

**DEPARTMENT OF CONSERVATION***Managing California's Working Lands***DIVISION OF OIL, GAS, & GEOTHERMAL RESOURCES**

5816 CORPORATE AVENUE • Suite 200 • CYPRESS, CALIFORNIA 90630-4731

PHONE 714 / 816-6847 • FAX 714 / 816-6853 • WEB SITE conservation.ca.gov

February 4, 2015

Mr. Scott Walker, Agent
Oxy USA Inc. (O2475)
111 W. Ocean Blvd., 8th FL
Long Beach, CA 90802

Subject: DOM-001 AND DOM-002 EXPIRATION OF CONFIDENTIAL STATUS

Dear Mr. Walker:

The confidential status of your wells DOM-001 (API No. 037-27124) and DOM-002 (API No. 037-27148) in the Dominguez field expired on November 20, 2014. All records associated with these wells will now be available to the public. Please contact Jack Collender at (714) 816-6847 if you have any questions regarding this letter.

Sincerely,



Chris McCullough
Supervising Area Engineer

cc: Well Files – DOM 001 (037-27124)
Well Files – DOM 002 (037-27148)



DEPARTMENT OF CONSERVATION

Managing California's Working Lands

Division of Oil, Gas, & Geothermal Resources

5816 CORPORATE AVENUE • SUITE 200 • CYPRESS, CALIFORNIA 90630-4731

PHONE 714 / 816-6847 • FAX 714 / 816-6853 • WEB SITE conservation.ca.gov

June 17, 2014

Scott Walker, Agent
Oxy USA, Inc
111 West Ocean Blvd, Suite 800
Long Beach, CA 90802

**Subject: Confidential Status Extension for Dominguez Oil Field Wells DOM-001
(API No. 037-27124) and DOM-002 (API No. 037-27148)**

Dear Mr. Walker:

Your request for extension of confidential status for the subject wells has been granted. All records pertaining to these wells will be held confidential until November 20, 2014. If you wish to continue the confidentiality status of these wells after November 20, 2014, please provide the Division written notification to Division and email a copy to DOGGRDist1Notices@conservation.ca.gov prior to November 10, 2014. If you have any questions regarding this matter, please feel free to contact Gary Ngo at Gary.Ngo@conservation.ca.gov or at (714) 816-6847.

Sincerely,

A handwritten signature in black ink, appearing to read "Daniel J. Dudak". The signature is written in a cursive style with a long horizontal flourish extending to the right.

Daniel J. Dudak, District Deputy

MAK:GN



OXY USA Inc.
LA Basin Asset
A subsidiary of Occidental Petroleum Corporation

111 West Ocean Blvd, Suite 800
Long Beach, CA 90802

May 14, 2014

California Department of Conservation – Division of Oil, Gas and Geothermal Resources
5816 Corporate Ave, Suite 200
Cypress, CA 90630-4731
Attention: Mr. Dan Dudak, Mr. John Huff

Re: Extension of CDOGGR Records Confidentiality for Wells DOM-001 (037-27124) and
DOM-002 (037-27148)
Dominguez Field
Section 33, T 3 S, R 13 W, San Bernardino B. & M.

Dear Mr. Dudak and Mr. Huff,

This letter is to request the extension of Confidentiality of CDOGGR Records for Wells
DOM-001 (037-27124) and DOM-002 (API 037-27148). The date the drilling equipment
was removed from the well site (PRC01, 3234 (e)) was May 20th, 2011.

Please extend the confidentiality status of all CDOGGR records for Wells DOM-001 (037-
27124) and DOM-002 another six months. We have extenuating circumstances defined by
Section 3234 (4) of PRC01 as follows:

1. Active competitive leasing and/or mineral rights sales in the immediate vicinity of
the well.
2. Governmental or judicial action inhibiting oil or gas development.

The first reason is self explanatory. The second reason is due to our waiting on the EIR
Certification from the City of Carson. The City of Carson is currently reviewing the EIR. We
are expecting the EIR to be finalized in late 2014.

Thank you.

Respectfully Submitted,

Scott Walker
Production Engineering Consultant/
Regulatory Advisor/DOGGR Agent
OXY Long Beach Business Unit
a subsidiary of Occidental Petroleum Corporation
562.624.3169

Huff, John@DOC

From: Chen, Weiru@DOC
Sent: Thursday, March 27, 2014 5:16 PM
To: Ngo, Gary@DOC; Huff, John@DOC
Subject: FW: Application for DOGGR Construction Approval - 1450 Charles Willard St., Carson, CA
Attachments: OLA-04-300-CVL-0002-03 03 SITE PLAN & SURVEY CONTROL.PDF; Well location comparison map with NAD83 coordinates.pdf; Aerial well location maps.pdf

Gary and John,

Chris Phillips, agent for Oxy, has confirmed the new NAD83 coordinates for the two confidential wells in Carson, Dominguez drillsite.

Please update the two well files and CalWIMS /DOMS accordingly for your records.

Thanks,

Weiru Chen
Well Review

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Please consider the environment before printing this e-mail

From: Chen, Weiru@DOC
Sent: Thursday, March 27, 2014 4:56 PM
To: 'Chris_Phillips@oxy.com'
Subject: RE: Application for DOGGR Construction Approval - 1450 Charles Willard St., Carson, CA

3-27-2014 Thursday

Mr. Phillips,

Thank you for the location confirmation. We will update our records accordingly with the revised coordinated in our system. Thanks for your time and effort in this.

Weiru Chen
Well Review Engineer

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Please consider the environment before printing this e-mail

From: Chris_Phillips@oxy.com [mailto:Chris_Phillips@oxy.com]
Sent: Thursday, March 27, 2014 4:39 PM

To: Chen, Weiru@DOC

Subject: RE: Application for DOGGR Construction Approval - 1450 Charles Willard St., Carson, CA

Wade,

The surveys you show below are correct. They are exactly in agreement with our Open Works data base.

Best Regards,

Chris Phillips
Senior Production Engineering and Operations Advisor
Central Team, Ranger 7 South
Oxy Long Beach - THUMS
111 West Ocean Blvd, Suite 700
Long Beach, CA 90802
Phone: (562) 624-3474
Cell: (562) 824-1759

From: Chen, Weiru@DOC [<mailto:Weiru.Chen@conservation.ca.gov>]

Sent: Thursday, March 27, 2014 11:19 AM

To: Phillips, Chris

Cc: Ngo, Gary@DOC; Huff, John@DOC

Subject: RE: Application for DOGGR Construction Approval - 1450 Charles Willard St., Carson, CA

3-27-2014 Thursday

RE: Corrected GPS NAD83 Latitude/Longitude coordinates for the two active Oxy wells at the Dominguez drillsite in Carson.

Good morning again, Mr. Phillips:

Per our telephone conversation, can you please verify that the new NAD83 coordinates provided on the siteplan by SPEC services (Oxy's contractor) are the latest and correct coordinates? They are for the two active OG wells, **DOM 001** (API#: 037-27124) and **DOM 002** (API#: 037-27148) located within the Dominguez production lease.

DOGGR's current NAD83 Lat./Long. Coordinates were entered in based on the Well Summary reports (see attached well info. Pages. Certain info has been blocked out due to confidentiality), when the wells were first completed. Our online mapping system still shows the incorrect well locations, same as on the Well Summary Reports (see maps) . If you could please verify that the correct coordinates are as follows, it would be much appreciated and we will then update our file records and our mapping system accordingly. Thank you for your help on this.

<u>Well Name</u>	<u>Latitude</u>	<u>Longitude</u>
DOM-001	N 33.863542	W 118.244068
DOM-002	N 33.863550	W 118.244037

Sincerely,

Weiru Chen
Well Review Engineer

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Please consider the environment before printing this e-mail

From: Chen, Weiru@DOC [mailto:Weiru.Chen@conservation.ca.gov]
Sent: Monday, March 24, 2014 3:54 PM
To: Tan, Wu
Cc: htalbott@specservices.com; Huff, John@DOC
Subject: RE: Application for DOGGR Construction Approval - 1450 Charles Willard St., Carson, CA

3-24-2014 Monday

RE: DOGGR Construction site well review for 1450 Charles Willard Street, Carson, CA (the true well surface locations)

Mr. Tan,

Having to look into the well locations for this project since last Friday, I think we found the source of the wrong well locations, and confusion.

I do concur that the wells W5 and W6 marked on the siteplan map should be where Wells W8 and W9 are plotted, respectively. The consultant's (Mr. Talbott's) updated siteplan map dated March 19, 2014 has the correct NAD83 coordinates for all the affected wells at the site. These are the two active wells that will be protected and won't be affected by this proposed construction project.

We have contacted the operator, Oxy USA, Inc., regarding the accurate NAD83 coordinates for these two wells. Wells W5 and W6 were plotted with the wrong coordinates. We will use the revised coordinates provided in Mr. Talbott's map and update our DOGGR online map. The true locations (of where W8 and W9 are) will soon be updated on our maps. Thank you for bringing this to our attention.

Please let me know if there are any more questions or if you notice more discrepancies. Have a good rest of the week.

Weiru Chen
Well Review Engineer

State of California
Department of Conservation
Division of Oil, Gas, & Geothermal Resources (DOGGR)
5816 Corporate Ave., Suite 200
Cypress, CA 90630

Well Review Engineer

From: Tan, Wu [mailto:WTAN@dpw.lacounty.gov]
Sent: Thursday, March 20, 2014 10:30 AM
To: Chen, Weiru@DOC
Subject: FW: Application for DOGGR Construction Approval - 1450 Charles Willard St., Carson, CA

Hi Weiru,

Do you concur with the location of wells W5 and W6 which should be located within Wells W8 and W9....?

Thanks

Wu F. Tan, P.E.
Environmental Programs Division
County of Los Angeles Department of Public Works
Phone: (626) 458-2193 | Fax: (626) 458-3569
wtan@dpw.lacounty.gov

SAVE TREES AND ENERGY: PLEASE PRINT E-MAIL ONLY WHEN NECESSARY.



From: htalbott@specservices.com [mailto:htalbott@specservices.com]
Sent: Thursday, March 20, 2014 9:00 AM
To: Tan, Wu
Cc: Naslund, Lisa; Weiru.Chen@conservation.ca.gov; Vazifdar, Kawsar
Subject: RE: Application for DOGGR Construction Approval - 1450 Charles Willard St., Carson, CA

Mr. Tan,

I've attached the well location drawing with note 4 that has been revised to say that wells W8 & W9 are active and will be protected during construction.

Per DOGGR review, the statuses of the wells are as follows:

1. W1 - API# 03706413 – Status: abandoned, NOT to current standards*
2. W2 - API# 03720740 – Status: abandoned, NOT to current standards
3. W3 - API# 03706867 – Status: abandoned to current standards
4. W4 - API# 03706544 – Status: abandoned, NOT to current standards
5. W5 – actually located at W8
6. W6 – actually located at W9
7. W7 - outside of project limits
8. W8 – API# 03727124 – Status: active
9. W9 – API# 03727148 – Status: active

*Current standards are those currently adopted and referenced by the Division of Oil, Gas, and Geothermal Resources (DOGGR).

Please let me know if additional information is needed.

Thank you,

Hazen Talbott, P.E.
Project Engineer - Civil
SPEC Services, Inc.
(714) 963-8077 x 1197
10540 Talbert Ave., Suite 100 East



DEPARTMENT OF CONSERVATION

Managing California's Working Lands

DIVISION OF OIL, GAS, & GEOTHERMAL RESOURCES

5816 CORPORATE AVENUE • Suite 200 • CYPRESS, CALIFORNIA 90630-4731

PHONE 714 / 816-6847 • FAX 714 / 816-6853 • WEB SITE conservation.ca.gov

October 30, 2013

Chris Phillips, Agent
Oxy USA, Inc.
301 East Ocean Blvd.
Long Beach, CA 90801

Subject: Confidential Status Extension for Well DOM-001 (API No. 037-27124)

Dear Mr. Phillips:

Your request for an initial extension of confidential status for the subject well is granted. All records pertaining to this well will be held confidential until May 20, 2014. If you have any questions, please feel free to contact me at (714) 816-6847.

Sincerely,

A handwritten signature in blue ink, appearing to read "Ali Khan".

Ali Khan
Operations and Permitting Supervisor

MAK:mak



OXY USA Inc.
LA Basin Asset
A subsidiary of Occidental Petroleum Corporation

301 East Ocean Blvd, Suite 300
Long Beach, CA 90802

October 14, 2013

California Department of Conservation – Division of Oil, Gas and Geothermal Resources
5816 Corporate Ave, Suite 200
Cypress, CA 90630-4731
Attention: Mr. Dan Dudak, Mr. John Huff

Re: Extension of CDOGGR Records Confidentiality for Wells DOM-001 (037-27124) and
DOM-002 (037-27148)
Dominguez Field
Section 33, T 3 S, R 13 W, San Bernardino B. & M.

Dear Mr. Dudak and Mr. Huff,

This letter is to request the extension of Confidentiality of CDOGGR Records for Wells
DOM-001 (037-27124) and DOM-002 (API 037-27148). The date the drilling equipment
was removed from the well site (PRC01, 3234 (e)) was May 20th, 2011. The first extension
expires November 20, 2013

Please extend the confidentiality status of all CDOGGR records for Wells DOM-001 (037-
27124) and DOM-002 another six months past November 20th, 2013. We have
extenuating circumstances defined by Section 3234 (4) of PRC01 as follows:

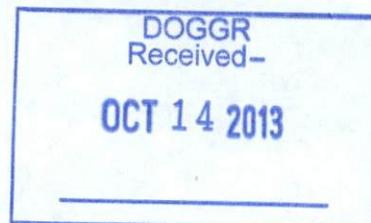
1. Active competitive leasing and/or mineral rights sales in the immediate vicinity of
the well.
2. Governmental or judicial action inhibiting oil or gas development.

The first reason is self explanatory. The second reason is due to our waiting on the EIR
Certification from the City of Carson. The City of Carson is currently reviewing the EIR. We
are expecting the EIR to be finalized in March, 2014.

Thank you.

Respectfully Submitted,

Chris Phillips
Senior Production and Operations Advisor, Agent
OXY USA Inc. | LA Basin Asset
562.495.9349





DEPARTMENT OF CONSERVATION

Managing California's Working Lands

DIVISION OF OIL, GAS, & GEOTHERMAL RESOURCES

5816 CORPORATE AVENUE • Suite 200 • CYPRESS, CALIFORNIA 90630-4731

PHONE 714 / 816-6847 • FAX 714 / 816-6853 • WEB SITE conservation.ca.gov

March 1, 2013

Chris Phillips, Agent
Oxy USA, Inc.
301 East Ocean Blvd.
Long Beach, CA 90801

**Subject: Confidential Status Extension for Wells DOM-001 (API No. 037-27124)
and DOM-002 (API No. 037-27148)**

Dear Mr. Phillips:

Your request for an initial extension of confidential status for the subject wells has been granted. All records pertaining to these wells will be held confidential until November 20, 2013. If you have any questions, please feel free to contact John Huff at John.C.Huff@conservation.ca.gov or at (714) 816-6847.

Sincerely,

A handwritten signature in black ink, appearing to read "Dudak".

For: Daniel J. Dudak, District Deputy

MAK:jch



OXY USA Inc.
LA Basin Asset
A subsidiary of Occidental Petroleum Corporation

301 East Ocean Blvd, Suite 300
Long Beach, CA 90802

February 4, 2013

California Department of Conservation – Division of Oil, Gas and Geothermal Resources
5816 Corporate Ave, Suite 200
Cypress, CA 90630-4731
Attention: Mr. Dan Dudak, Mr. John Huff

Re: Extension of CDOGGR Records Confidentiality for Well DOM-001 (037-24124)
Dominguez Field
Section 33, T 3 S, R 13 W, San Bernardino B. & M.

Dear Mr. Dudak and Mr. Huff,

John Huff kindly informed me that the confidentiality of CDOGGR records for Well DOM-001 expires today. I believe it actually expires May 20th, 2013. While drilling DOM-002, we did not have access to Well DOM-001 due to the drilling rig occupying the space above DOM-001. The drilling rig did not move off of Well DOM-001 until DOM-002 was completed. Therefore, we believe the confidentiality should be extended from the date the drilling equipment was removed from the well site (PRC01, 3234 (e)). That date was May 20th, 2011.

Please extend the confidentiality status of all CDOGGR records for Well DOM-001 another six months past May 20th, 2013. We have extenuating circumstances defined by Section 3234 (4) of PRC01 as follows:

1. Active competitive leasing and/or mineral rights sales in the immediate vicinity of the well.
2. Governmental or judicial action inhibiting oil or gas development.

The first reason is self explanatory. The second reason is due to our waiting on the EIR Certification from the City of Carson.

Thank you.

Respectfully Submitted,

Chris Phillips
Senior Geological Advisor, Agent
OXY USA Inc. | LA Basin Asset
562.495.9349



Aerial View from Google maps showing location of DOM-001 & DOM-002



2/4/2013

CHECK LIST – RECORDS RECEIVED AND WELL STATUS

Company:	Oxy USA LA Basin Unit	Well: DOM-1
API#:	037-27124	Sec. 8, T. 5S, R.13W. S. B. B. & M.
County:	Los Angeles	Field: Dominguez

RECORDS RECEIVED	DATE	STATUS
Well Summary (Form OG100)	9/26/2012 (2)	Producing <input checked="" type="checkbox"/> Drilling <input type="checkbox"/>
History (Form OG103)		Abandoned <input type="checkbox"/> Idle <input type="checkbox"/>
Core Record (Form OG101)		Reabandoned <input type="checkbox"/> Other <input type="checkbox"/>
Directional Survey		
Sidewall Samples		
Date final records received.		
Electric Logs:		
Other:		
		WELL TYPE
		Oil <input checked="" type="checkbox"/> Waterflood <input type="checkbox"/>
		Gas <input type="checkbox"/> Water Disposal <input type="checkbox"/>
		Water Source <input type="checkbox"/> Cyclic Steam <input type="checkbox"/>
		Observation <input type="checkbox"/> Steam Flood <input type="checkbox"/>
		Exploratory <input type="checkbox"/> Fire Flood <input type="checkbox"/>
		Dry Hole <input type="checkbox"/> Other <input type="checkbox"/>
		EFFECTIVE DATE: 6/19/2012
		REMARKS:

ENGINEERS CHECK LIST	CLERICAL CHECK LIST
<input checked="" type="checkbox"/> Summary, History & Core Record (Dupl.)	Location change
<input type="checkbox"/> Electric Log	Elevation change
<input checked="" type="checkbox"/> Operator's Name	Form OGD121
<input checked="" type="checkbox"/> Signature	Form OGD150b (Release of Bond)
<input checked="" type="checkbox"/> Well Designation	Duplicate logs to archives
<input type="checkbox"/> Location	Notice of Records Due
<input type="checkbox"/> Elevation	EDP
<input checked="" type="checkbox"/> Notices	District Date Base
<input type="checkbox"/> "T" Reports	Final Letter (OG159)
<input type="checkbox"/> Casing Record	Update Center
<input type="checkbox"/> Plugs	
<input type="checkbox"/> Directional Survey	
<input checked="" type="checkbox"/> Production/Injection (FAP Codes: 208 00 00)	
<input type="checkbox"/> E Well on Prod., enter EDP	
<input type="checkbox"/> Surface Inspection Required	FIELD CHECK LIST
<input type="checkbox"/> Surface inspection Waived (Island)	Date Surface Inspection Completed:
<input type="checkbox"/> Well site restoration deferred (common cellar)	Other:
<input type="checkbox"/> Final Letter Required AB: <input type="checkbox"/> REAB: <input type="checkbox"/>	
<input type="checkbox"/> Other:	

RECORDS NOT APPROVED	RECORDS APPROVED
(Reason:)	(Signature) SCH
	3/18/2013
	RELEASE BOND
	Date Eligible
	(Use date last needed records received.)
	MAP AND MAP BOOK

CONFIDENTIAL

JH

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

WELL SUMMARY REPORT

API NO. 04-037-27124

Operator OXY, USA LA Basin unit		Well DOM-1 Recompletion: Add perforations			
Field Dominguez	County Los angeles	Sec. 8	T. 5S	R. 13-W	B.&M. S. B.
Location (Give surface location from property or section corner, street center line)		Elevation of ground above sea level 168.71'			
California Coordinates (if known): NAD 83 format: Lat 33.863524N, Long: 118.243164W					
Was the well directionally drilled? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, show coordinates at total depth. N 4 064 077.19, E 4 231 884.50' / TVD 12,745'					

Commenced drilling (date) Recompletion May 3, 2012	(1st hole) 12,885'	Total depth (2nd)	(3rd)	Depth measurements taken from top of: <input checked="" type="checkbox"/> Derrick Floor <input type="checkbox"/> Rotary Table <input type="checkbox"/> Kelly Bushing																							
Completed drilling (date) Recompletion June 13, 2012	Present effective depth 10,810'			Which is 25.12' feet above ground																							
Commenced production/injection (date) Production June 19, 2012	Junk 5", 18# casing f/ 10,994' - 12,883' plugged w/ cement. Cement retainer @ 10,885'			<table border="1"> <tr><th colspan="2">GEOLOGICAL MARKERS</th></tr> <tr><td>AA</td><td>DEPTH</td></tr> <tr><td>AM</td><td>4058'</td></tr> <tr><td>BC</td><td>4425'</td></tr> <tr><td>BM</td><td>4701'</td></tr> <tr><td>BX</td><td>4985'</td></tr> <tr><td>CK</td><td>5294'</td></tr> <tr><td>CQ</td><td>6001'</td></tr> <tr><td>D</td><td>6446'</td></tr> <tr><td>DX</td><td>6900'</td></tr> <tr><td></td><td>8034'</td></tr> </table>		GEOLOGICAL MARKERS		AA	DEPTH	AM	4058'	BC	4425'	BM	4701'	BX	4985'	CK	5294'	CQ	6001'	D	6446'	DX	6900'		8034'
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CQ	6001'																										
D	6446'																										
DX	6900'																										
	8034'																										
Production mode: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas lift	Name of production/injection zone(s) Division F, Basement Callender			Formation and age at total depth Meta Sedimentary / Jurassic																							
				Base of fresh water 2159'																							

	Clean Oil (bbl per day)	API Gravity (clean oil)	Percent Water (including emulsion)	Gas (Mcf per day)	Tubing Pressure	Casing Pressure
Initial Production	7.5	27.4	98	33	220	75
Production After 30 days	13.3	27.4	90	31	13	23

CASING AND CEMENTING RECORD (Present Hole)

Size of Casing (API)	Top of Casing	Depth of Shoe	Weight of Casing	Grade and Type of Casing	New (N) or Used (U)	Size of Hole Drilled	Number of Sacks or Cubic Feet of Cement	Depth of Cementing (if through perforations)	Top(s) of Cement in Annulus
18-5/8"	31'	333'	87.5#	J-55 seamless	N	24"	704 cf / 422 sx		Surface
13-3/8"	31'	2000'	72#	L-80 seamless	N	17.5"	1999 CF / 1203 sx		Surface
9-5/8"	31'	8529'	53.5#	T-95 & P-110	N	12.25"	2649 cf / 1177 sx		2087'
7"	8181'	11103'	32#	P-110 seamless	N	8.75"	702 cf / 347 sx		8181'
5" Plugged w/ cement	10944'	12883'	18#	P-110 seamless	N	6"	Not Cemented		

PERFORATED CASING (Size, top, bottom, perforated intervals, size and spacing of perforations, and method.)

TC Jet perf'd w/ 0.47" entry hole f/ 6790'-6808', 6832'-6859', 6870'-6887', 6900'-6988', 7020'-7030', 7060'-7065', 7080-7089', 7135'-7144', 7165'-7190', 7224'-7255', 7262'-7274', 7361'-7378', 7406'-7410', 7422'-7522', 7530'-7545', 7550'-7558', 7570'-7623', 7631'-7655', 7669'-7707', 7720'-7777', 7800'-7820', 7828' - 7833', 7840' - 7855', 7881' - 7890', 7895' - 7955', 7986' - 7991', 8019' - 8051', 8133' - 8236', 8260' - 8313', 8430' - 8455', 8467' - 8478'

Logs/surveys run? Yes No If yes, list type(s) and depth(s).

DOGGR Received -
SEP 26 2012

In compliance with Sec. 3215, Division 3, of the Public Resources Code, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Name Chris Phillips	Title Chief Geologist
Address P. O. Box 1330	City/State Long Beach, CA
Zip Code 90801	
Telephone Number 562 495-9348	Signature <i>Chris Phillips</i>
	Date 9/26/2012

OG100 (1/98/GSR/1M)
Printed on recycled paper.

SUBMIT IN DUPLICATE

Work completed on Dominguez well DOM-001 as follows:

5-3-2012

Rigged up equipment. Filled 2 frac tanks with 1000 bbls of Calcium Chloride @ 11.5 ppg. Tested against PX plug to 3000 psi. Bleed off pressure. Installed Cameron tubing plug and tested to 3000 psi. Secured well.

5-4-2012

Rigged up kill line. Hooked up shipping pump and hoses to mud pump.

5-7-2012

Finished rigging up 3" steel lines and valves. Removed Cameron Tubing Hanger plug. No pressure. Changed the well over to 4% KCL w/ 4% Sin-Hib (600 bbls). Picked up a Weatherford Model "R" packer w/ H-valve and screwed into 2-7/8" tubing. Set packer 10' below well head. Pressure tested against packer to 5000 psi, good. Secured well.

5-8-2012

Rig crew nipped down the BOP and set out with crane. Precision Torque & Testing's truck broke down on the highway (showed up at 11:30 for a 6 AM call). Rigged up their equipment. As they were removing the 3rd well head nut, their tools broke. Secured well and area.

5-9-2012

Precision Torque & Testing removed cross over spool. Cameron removed the false bowl in the well head. Installed new well head, isolation sleeve and tubing hanger. Tested between sleeve and spool to 250 & 5000 psi, good. Installed 10K BOP and tested to 250 & 5000 psi, good. Unable to get a good test on the 4 way manifold. Will attempt to repair and retest in the AM.

5-10-2012

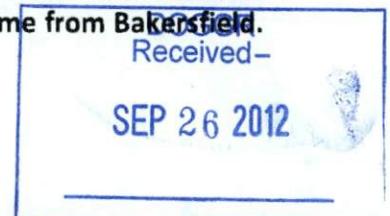
Precision Torque & Testing completed testing 10K BOP and all valves on manifold to 250 & 5000 psi. All tested good, all tests were charted. Removed Weatherford Model "R" packer. Lowered tail to 9040' and changed the well over to 11.5 ppg Calcium Chloride. Closed well in.

5-11-2012

Rigged up Western Wireline. Pressure tested lubricator and pack off to 2100 psi. Made 3 passes with retrieval tool, unable to recover 1st stage of plug at 9090'. Tool came out with a fine oily grit in the latch tool. Ran 1-1/4" bailer on slick line. Worked bailer 10 times. Recovered a fine oily grit in the bailer. Re-ran bailer. Recovered more fine oily grit in the bailer. Secured well. NOTE: CDOG was notified to do a BOP inspection, but waived inspection at this time.

5-12-2012

Using Western Wireline, ran in with PX retrieval tool to plug at 9090'. Unable to latch onto plug. Ran bailer which came out empty. Bottom of bailer came out with deep cuts gouged on the corners of the shoe. Tubing had a slight flow, no pressure, out of balance from the change over. Pumped 38 bbls of CC water down the tubing @ 2000 psi, when 1 of the tubing head rams started to spray out fluid. The packing rubber was being forced out between the jamb nut and the stem of the tubing hanger hold down washing out part of the rubber. Bled off the pressure. Picked up Weatherfords Model "R" packer and set 10' below the well head securing the well. Removed the packing rubber. Had to wait for a new rubber to come from Bakersfield. Replaced packing rubber. Pressure tested BOP to 3000 psi. No leaks. Secured well.



5-13-2012

Pulled tubing, measured out, filled the hole every 1400' of tubing pulled. NOTE: Performed BOP drill on the way out. Laid down seal bore seal assembly. RIH with Baker's HP-1 packer retrieval tool. Stopped just above the HP-1 packer at 9055'. Secured well.

5-14-2012

Rigged up Tiger Wireline and perforated the tubing with eight holes, 8' above the packer retrieving tool. Latched onto Baker Oil Tools HP-1 packer and released same. No pressure observed after the packer was released. Pumped 70 bbls of 11.5 ppg CaCl₂ down the annulus @ 2.2 bpm @ 2500 psi. Pushed the oil and water out into the formation. After pumping stopped, the pressure went to 1600 psi. After 30 minutes, the pressure subsided to 0 psi. Pulled out with the HP-1 packer. Filled the hole every 1240' of tubing pulled. Laid down packer and tail assembly. RIH with 45 degree collar on bottom of tubing to 4135'. Secured well.

5-15-2012

RIH to 8990'. Picked up 2-7/8" tubing from rack and lowered tail to 10,850'. Pulled out laying down all but 8700' of tubing. Pulled out to 4360'.

5-16-2012

Pulled out. Made up Weatherford's Ultra-Loc 7" packer w/ "H" valve and RIH. Set packer at 8680'. Pressure tested casing to 3100 psi. Changed the well over to 4% KCL water.

5-17-2012

Opened well, no pressure. Pulled out. Ran Schlumberger Gamma Ray/CCL from 8685' to 6000'. Picked up 34, Schlumberger 4-1/2" TCP guns and 300' of tubing.

5-18-2012

Opened well, no pressure. RIH with Schlumberger 4-1/2" TCP guns. Set bottom perf at 8478'. Rigged up Tiger Wireline loggers and ran Gamma Ray to set guns on depth. Adjusted guns on depth per Scott Walker's correlation. Closed BOP & put 1000 psi between the tubing and casing. Dropped bar and ignited perforating guns. Well was perforated as follows with 4505 PJHmx charges, 5 SPF. 46.6" penetration, 0.47" entry hole, 37 gram charges w/ 72 degree phasing: 7800' - 7820' (100 shots), 7828' - 7833' (25 shots), 7840' - 7855' (75 shots), 7881' - 7890' (45 shots), 7895' - 7955' (300 shots), 7986' - 7991' (25 shots), 8019' - 8051' (160 shots), 8133' - 8236' (515 shots), 8260' - 8313' (265 shots), 8430' - 8455' (125 shots), 8467' - 8478' (55 shots). After the guns were fired, the casing and tubing pressure dropped to 0 psi. Reversed out 100 bbls of 4% KCL fluid. Recovered perforating gases and no oil shows. Well was dead. Pulled out. Left bottom of tubing to 3000'.

5-19-2012

Opened well, no pressure. Pulled tubing. Laid down TCP guns. RIH with 9-5/8", 53.5# casing scraper set to drift to the 7" liner top at 8181'. Pulled scraper. RIH with 7", 32# casing scraper set to drift to 3000'.

5-20-2012

Opened well, no recordable pressure, small amount of gas to bleed off. RIH w/ 7" scraper. Tagged at 8511' (5' of fill). Reversed out some sand, perforating gases and perforating debris. Circulated well clean. Pulled scraper to 3000'.

5-21-2012

Opened well, no recordable pressure, small amount of gas to bleed off. Pulled 9-5/8" scraper. Picked up and ran Weatherford's 9-5/8" Ultra-Loc Packer w/ "H" valve and set at 7875'. Could not get a solid 3000 psi test against packer. Bled down to 2500 psi in 1 minute. Latched back onto packer which had slide down the hole 10'. Released the packer and moved up to 7873'. Set the packer and tested to 3000 psi. Bled off the same. Latched onto packer and pulled tail to 2000'. Secured well. NOTE: Packer will require Carbide slip segments due to the hardness of the P-110 casing.

5-22-2012

Opened well, no recordable pressure, small amount of gas to bleed off. Pulled out. Packer came out missing one rubber element. Picked up JMP 9-5/8" junk basket and RIH to the 7" liner top at 8181'. Reverse circulated and attempted to work rubber up inside. Started out. Well began to burp gas and flowed water from the tubing. Reversed out one tubing volume. Tubing still burping out gas and flowing. Closed the well in until the AM.

5-23-2012

0 psi on casing, 225 psi on tubing. Attempted to bled down tubing. Would not bleed down. Reversed out. Unable to kill tubing reversing out. Pumped 47 bbls (tbg volume) of 11.5 ppg Calcium Chloride down the tubing in 3 stages to kill tubing. Pulled 9-5/8" junk basket. No recovery. Made up and ran a 7" junk basket to the top of the 7". Secured the well. NOTE: The well is showing good oil and gas shows of a high gravity.

5-24-2012

Bled down casing. Lowered 7" junk basket to the top of the packer at 8516'. Reversed out 200 bbls. Recovered broken up pieces of rubber and some sand. Pulled junk basket. Recovered one large piece of rubber. Picked up Weatherford's 9-5/8" Ultra-Loc packer w/ "H" tool on top. Could not get packer through well head. Worked 9-5/8" casing scraper through well head with no problem. Attempted to work packer through well head w/ no success. Ran kill string to 3000'. Secured the well. NOTE: The well has been flowing a small amount of fluid after reversing out w/ junk basket. Estimated to be approximately 20 bbls in 4 hours. Rate seems consistent w/ no increase over time. Good oil in water. No gas. NOTE: Held weekly BOP drill with crew while pulling out.

5-25-2012

230 psi on casing, 0 psi on tubing. Bled down casing. Well still on slit flow. Pulled tubing. Picked up Weatherfords 9-5/8" Ultra-Loc packer equipped w/ Carbide slip segments and "H" valve. Set packer at 7840' and pressure tested casing to 3000 psi. Would not test, bled off slowly to 1500 psi in 2 minutes. No surface leaks were found. Re-tested with same result. Checked to see if packer slid down hole. Packer did not move. Moved the packer to 7820' and set same. No test. Pulled packer. Found a small chunk of rubber missing (approximately 25%) from the top element. Ran kill string to 3000'.

5-26-2012

240 psi on casing, 0 psi on tubing. Casing would not bled down. Circulated the well down tubing hung at 3000'. Pumped 200 bbls of 4% KCL water. Recovered oil and gas. Well was dead. Pulled tubing. Picked up re-dressed Weatherfords 9-5/8" Ultra-Loc packer equipped w/ Carbide slip segments and "H" valve. Set packer at 7791' and pressure tested casing to 3000 psi. Tested solid for 15 minutes. Using Weatherford's gravel pack machine, dumped 6 lineal feet of sand on top of the packer. Pulled up 300' and waited 1 hour. Lowered setting tool and tagged the gravel at 7786'. Pull out.

5-29-2012

Using Weatherford's 9-5/8" dual swab cups, tagged fluid at 402'. Lowered cups 300' inside fluid and swabbed out 4% KCL water and returned to frac tank for re-use. Estimated top of fluid, 1852'.

5-30-2012

Using Weatherford's 9-5/8" dual swab cups, swabbed out 4% KCL water and returned to frac tank for re-use f/ 1852' to 2907'.

5-31-2012

0 psi on casing. Ran in the hole with open ended tubing to 5200'. Rigged up to bail fluid through the tubing with sand line and swab cups. Bailed out KCL water from 2907' to 3250'. We will be bailing out to 4797'. NOTE: Took a Sonic Shot to verify swabbed depth.

6-1-2012

0 psi on casing. Swabbed out KCL water with sand line. After 4 runs with the sand line, the rig was shut down for a mechanic to do maintenance. With the swab cups and sinker bar hung in the tubing at surface, the sand line air brakes were set. With nobody around the rig, the brakes on the sand line drum released sending the sinker bars and sand line down the tubing until it hit the fluid at approximately 3300'. The sand line drum kept spinning, knotting itself up until it was wadded up so bad that it finally stopped. Line was also wadded up all over the rig floor in knots preventing the line from going down the tubing. Rigged up "T" clamps on the sand line and cut line loose. Pulled tubing until they came to sand.

6-2-2012

0 psi on casing. Pulled tubing cutting off sand line 60' at a time until they came to sinker bars. Shot Sonic fluid level. Found top of fluid at 3440'. Made up and ran 9-5/8" Weatherford swab tool to 3780'. Pulled cups. Swabbed approximately 35 bbls out. Re-ran cup tool to 4100'.

6-4-2012

0 psi on casing. Pulled cups. Swabbed approximately 50 bbls out. Shot Sonic which indicated fluid level at 4216'. Changed out cups. Ran 9-5/8" cup tool to 4250'. Pulled cups. No fluid. Ran cup tool to 4790'. Pulled cup tool. Recovered 45 bbls. Shot Sonic which indicated fluid level was at 4632'.

6-5-2012

0 psi on casing. Made up and ran Schlumberger 4-1/2" Tubing Conveyed Perforating guns to 7777'. Rigged up Tiger Wireline and ran a Gamma Ray correlation log to put guns on depth. Landed tail at 7777'. Dropped bar and ignited perforating guns. Perforated intervals as follows with 4505 PJHmx charges, 5 SPF. 46.6" penetration, 0.47" entry hole, 37 gram charges w/ 72 degree phasing: 6790'-6808' (90 shots), 6832'-6859' (135 shots), 6870'-6887' (85 shots), 6900'-6988' (440 shots), 7020'-7030' (50 shots), 7060'-7065' (25 shots), 7080'-7089' (45 shots), 7135'-7144' (45 shots), 7165'-7190' (125 shots), 7224'-7255' (155 shots), 7262'-7274' (60 shots), 7361'-7378' (85 shots), 7406'-7410' (20 shots), 7422'-7522' (500 shots), 7530'-7545' (75 shots), 7550'-7558' (40 shots), 7570'-7623' (265 shots), 7631'-7655' (120 shots), 7669'-7707' (190 shots), 7720'-7777' (285 shots). Pumped 200 bbls of 4% KCL water down the back side and 40 bbls down the tubing. Worked guns while pumping fluid. Opened tubing which went on a vacuum. Pulled tubing to 3000'.

6-6-2012

30 psi on casing. Bleed off casing pressure. Pumped 40 bbls of 4% KCL water down the casing, 20 bbls down the tubing. Pulled tubing. Laid down perforating guns. Made up and ran 7" junk basket in tandem with 9-5/8" casing scraper set to drift and tagged fill at 7780'. Rigged up BJ pump truck and pumped down the annulus at 9 BPM. After 40 bbls pumped, achieved circulation. Lowered pump rate to 3.5 BPM and reversed hole clean. Recovered oil and some gas. Cleaned out perforating debris and sand to the top of packer at 7792'. Circulated hole clean. Pulled tubing tail to 4000'.

6-7-2012

0 psi on casing. Pulled out. Made up and ran Weatherford's packer retrieval tool to the top of the 9-5/8" packer at 7792'. Pumped 45 bbls of 11.5 ppg CC water down the tubing. Latched onto packer and worked free. Pulled packer which was missing one rubber and a chunk out of the other. Ran retrieving tool to recover 7" packer set at 8516'. Secured well with tubing tail at 3000'.

6-8-2012

0 psi on casing. Ran retrieving tool to recover 7" packer set at 8516'. Reversed out 100 bbls of 4% KCL water over the top of the packer. Recovered some pieces of rubber and small amount of sand. Pumped 50 bbls of CC water down the tubing. Latched onto packer and recovered same. No sign of any pressure increase. Filled hole every 1200' of tubing pulled. Packer came out with both rubber elements. Ran kill string to 3000'.

6-9-2012

0 psi on casing. With the tubing tail hung at 3000', circulated 250 bbls of 4% KCL. Took 25 bbls to fill the hole. Pulled out. Held BOP drill while pulling out. Made up and serviced Centralift sub pump. Secured well.

6-11-2012

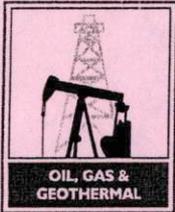
0 psi on casing. Filled the hole with 25 bbls of 4% KCL. Installed Weatherford's instrument tube to "Y" tool. Rigged up and banded in Centralift submersible pump. Placed 2 bands per joint. Landed the bottom of the pump at 6656' with the top of pump 6571'. Centralift Service man installed Taurus connector plug to cable. Landed tubing hanger and secured well.

6-12-2012

0 psi on casing and tubing. Nippled down BOP. Installed production tree.

6-13-2012

Precision Testing, tested all valves and tubing hanger to 3000 psi for 10 minutes. Found one tubing hanger set screw packing leaking. Called for a new one from Elco in Bakersfield. Retested to 3000 psi. Installed tubing hanger set screw and tested solid to 3000 psi.



NATURAL RESOURCES AGENCY OF CALIFORNIA
 DEPARTMENT OF CONSERVATION
 DIVISION OF OIL, GAS & GEOTHERMAL RESOURCES
 5816 Corporate Ave., Suite 200 Cypress, CA 90630 - 4731

No. P 112-0393

PERMIT TO CONDUCT WELL OPERATIONS

<u>Old</u>	<u>New</u>
208	208
FIELD CODE	
00	00
AREA CODE	
--	00
POOL CODE	

CONFIDENTIAL WELL
 CRITICAL WELL

Cypress, California
 May 14, 2012

Mr. Chris Phillips, Agent
 Oxy USA Inc. (O2475)
 301 E. Ocean Blvd
 Long Beach, CA 90802

Your **Supplementary** proposal to **REWORK** well **DOM-001**, A.P.I. No. **037-27124**, Section **33**, T. **03S**, R. **13W**, **SB B. & M.**, **Dominguez** field, -- area, **Callender 7**, **Callender 8**, **Miocene C**, and **Miocene D** pools, **Los Angeles** County, dated **5/9/2012**, received **5/9/2012** has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED:

1. In all other respects, the operations are to be conducted in accordance with provisions outlined in Permit **P112-0196**, dated **May 4, 2012**.
2. **THIS DIVISION SHALL BE NOTIFIED TO:**
 - a. Witness a test of the effectiveness of the **9 5/8"** shutoff above the **Callender 7** zone.

NOTE:

1. This well has been granted confidential status for two years from the cessation of drilling operations.

Blanket Bond
 cc: Update

Engineer John Huff
 Office (714) 816-6847

JCH/jch

 Tim Kustic
 State Oil and Gas Supervisor

By *[Signature]*
 Daniel J. Dudak, Acting District Deputy

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended. Issuance of this permit does not affect the Operator's responsibility to comply with other applicable state, federal, and local laws, regulations, and ordinances.



OXY USA Inc.
LA Basin Asset
A subsidiary of Occidental Petroleum Corporation

301 East Ocean Blvd, Suite 300
Long Beach, CA 90802

May 9, 2012

California Department of Conservation – Division of Oil, Gas and Geothermal Resources
5816 Corporate Ave, Suite 200
Cypress, CA 90630-4731
Attention: Mr. John Huff

Re: Supplementary Program for Well DOM-001
Dominguez Field
Section 33, T 3 S, R 13 W, San Bernardino B. & M.

Dear Ms. Moser,

Per your request please find the attached Supplementary notice and program to add perforations in Well DOM-001. You requested additional information as to wells that were completed below the Callender sands in the Dominguez Field. We found eight wells with perforations in the Miocene C and D and they are as follows:

Reyes 90 (03706587)	Callender 47 (03707109)	Callender 142 (03707510)
Reyes 95 (03706592)	Callender 79 (03707058)	Callender 152 (03721316)
Reyes 135 (03706878)	Callender 140 (03707508)	

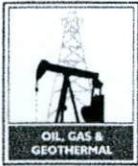
The histories indicate that all but Reyes 135 produced fluids from the Miocene C and D.

Thank you.

Respectfully Submitted,

Chris Phillips
Senior Geological Advisor, Agent
OXY USA Inc. | LA Basin Asset

562.495.9349



RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

P# 112-0393

FOR DIVISION USE ONLY			
Bond	Forms		
	OGD114	OGD121	
BB	5/12/12	5/10/12	D.T. OG/JH

SUPPLEMENTARY NOTICE

Detailed instructions can be found at: www.conservation.ca.gov/dog/

A notice to the Division of Oil, Gas, and Geothermal Resources, dated 09-May-2012, stating the intention to Add Perforations well DOM-001, API No. 037-27124,
(Drill, Rework, Abandon)
Sec. 33, T. 3 S, R. 13 W, S.B. B.&M., Dominguez Field, Los Angeles County
should be amended because of changed conditions.

The complete casing record of the well (present hole), including plugs and perforations, is as follows: (Attach wellbore schematics diagram also.)
See Attached

The total depth is: 12885 feet. The effective depth is: 10885 feet.
Present completion zone(s): Miocene C,D . Anticipated completion zone(s): Callendar 7,8 and Miocene C,D .
(Name) (Name)
Present zone pressure: 6060 psi. Anticipated/existing new zone pressure: 6060 psi.

We now propose: (A complete program is preferred and may be attached.)
See attached program

If well is to be redrilled or deepened, show proposed coordinates (from surface location) and true vertical depth at total depth: _____ feet _____ and _____ feet _____ Estimated true vertical depth: _____
(Direction) (Direction)

Will the Field and/or Area change? Yes No If yes, specify New Field: _____ New Area: _____

The Division must be notified immediately of changes to the proposed operations. Failure to provide a true and accurate representation of the well and proposed operations may cause rescission of the permit.

Name of Operator OXY USA Inc.			
Address 301 East Ocean Blvd., Suite 300		City/State Long Beach, California	Zip Code 90802
Name of Person Filing Notice Chris Phillips	Telephone Number: 562 495-9349	Signature 	Date 09-May-2012
Individual to contact for technical questions: Chris Parmelee	Telephone Number: 562 495-9355	E-Mail Address: Chris_Parmelee@oxy.com	

This notice must be filed, and approval given, before the operations begin. If operations have not commenced within one year of the Division's receipt of this supplementary notice, this notice will be considered cancelled.

OG123 (12/08)

RECEIVED MAY 09 2012

162

CRITICAL WELL DEFINITION

As defined in the California Code of Regulations, Title 14, Section 1720 (a), "Critical well" means a well within:

- (1) 300 feet of the following:
 - (A) Any building intended for human occupancy that is not necessary to the operation of the well; or
 - (B) Any airport runway.
- (2) 100 feet of the following:
 - (A) Any dedicated public street, highway or the nearest rail of an operating railway that is in general use;
 - (B) Any navigable body of water or watercourse perennially covered by water;
 - (C) Any public recreational facility such as a golf course, amusement park, picnic ground, campground or any other area of periodic high-density population; or
 - (D) Any officially recognized wildlife preserve.

WELL OPERATIONS REQUIRING BONDING

1. Drilling, redrilling, or deepening any well.
2. Milling out or removing a casing or liner.
3. Running and cementing casing or tubing.
4. Running and cementing liners and inner liners.
5. Perforating casing in a previously unperforated interval for production, injection, testing, observation, or cementing purposes.
6. Drilling out any type of permanent plug.
7. Reentering an abandoned well having no bond.

This form may be printed from the DOGGR website at www.conservation.ca.gov/dog/

PROGRAM TO ADD PERFORATIONS TO DOM-1

(All depths refer to KB, 25.1' above mat)

CASING RECORD:

30" conductor Cemented at 103'
18-5/8", 54.50 lb. 0' - 333', ETOC @ surface
13-3/8", 54.50 lb. 0' - 843', ETOC @ surface
9-5/8", 53.50 lb. 0' - 8529' ETOC at 1010'
7", 32.00 lb. 8181' - 11,103', cemented from 11,103' TO 8181'.
Perf's: Jet Perforated f/ 9307' - 9347'
Perf's: Jet Perforated f/ 10,770' - 10,810'

Bridge plug set @ 10,885'.

PLUGGED AND ABANDONED:

5", 18.00 lb. liner top @ 10,994', landed at 12,883'. Plugged w/ cement from 10,890' - 12,280' and squeezed w/ 33.7 cf of cement.
Perfs 11,080' - 12,883', 2" x 100 mesh

LOWER COMPLETION ASSEMBLY:

2-7/8" L-80 tubing hung at 8992'
7" HP-1 Retrievable Packer, Top @ 9055'.
20' of 3.25" Seal Bore Extension
2-7/8" cross over nipple (2.312" ID) @ 9090'
1 jt of 2-7/8", 6.5#, L-80 EUE
2-7/8" cross over nipple (2.312" ID) @ 9132' w/ PX plug. Installed 1-24-2012
1 jt of 2-7/8", 6.5#, L-80 EUE
Wireline Re-entry Guide, tail @ 9167'

TOTAL DEPTH: 12,885'

PROGRAM TO ADD PERFORATIONS TO DOM-1

PROGRAM:

1. Move in six 500 bbl clean frac tanks. Fill 2 with 1000 bbls of 4% KCL fresh water (PG 0.4436) treated with 4% Sin-Hib (Sinclair Drilling Fluids), 2 with 1000 bbls of 11.5 ppg CaCl₂ water (PG 0.5980) and 2 empties for returns. NOTE: Bring in KCL water in, in two loads a 22% concentrate and add fresh water to dilute back to 4%.
2. Contact Dan Kurtz with PROS incorporated (Cell 661 201-2122) to bleed down the tubing and casing 24 hours prior to moving in rig equipment.
3. Move in production rig and equipment.
4. After the rig up, lock open the MSSV and the pressure test against the PX plug to 3000 psi. Bleed off pressure after testing. Close the MSSV.
5. Set 2-way check valve (BPV) in the tubing hanger (Cameron w/ Cameron 661 706-6803). Remove production tree. Pressure test to 250 & 5000 PSI.
6. Install Class III, 11", 5000 psi or greater annular and double gate with 2-7/8" rams. Install a 3", 5000 psi choke manifold. Pressure test BOP @ 250 & 5000 psi for 15 minutes. Remove the 2 way check valve from tubing hanger.
7. Change the well over to 4% KCL fresh water treated with 4% Sin-Hib. Send Calcium Chloride to frac tanks for re-use.
8. Pull and lay down 30' of 2-7/8" tubing. Using a Weatherford Model "R" packer, hang the tubing string off 10' below the well head. Pressure test against packer to 5000 psi.
9. Remove the BOP and tubing hanger portion of the well head and replace with the New submersible style well head. Re-Install BOP and pressure test BOP @ 250 & 5000 psi for 15 minutes.
10. Remove the Weatherford Model "R" packer.
11. Pick up enough 2-7/8", L-80 tubing to lower the seal assembly just above the top of the seal bore at 9055'.

PROGRAM TO ADD PERFORATIONS TO DOM-1

12. Change the well over (from the annulus side) with 600 bbl of 11.5 ppg (PG 0.5980) Calcium Chloride. Includes some excess for the interface. After the change over, lower the seal assembly into the HP-1 Packer assembly. NOTE: Have the Baker Service tool representative on location to safely enter the seal bore above the HP-1 Packer.
13. Rig up Western Wireline Slick Line unit (805 641-0700) and 5000 psi BOPE lubricator/packoff. Pressure test to 250 and 5000 psi. Remove PX plug seated at 9132'.
14. Hook up to the tubing and using BJ Pump Truck (Give them 48 hours notice prior to commencement of operations) bullhead down the tubing 70 bbls of 11.5 ppg CaCl₂ to complete the change over down to the bottom set of perfs. Let the pressure subside from the squeezing away of fluids before checking to see if the well is dead. Estimated BHP at 10,680 TVD, 6060 psi. Kill fluid pressure, 6387 psi.
15. Pull out. Make sure that the well is dead before pulling out. KEEP HOLE FULL AT ALL TIMES.
16. Using the assistance of the Baker Service tools, run HP-1 packer retrieving tool and latch onto same.
17. Recover the HP-1 packer assembly. NOTE: Verify the well is dead before pulling out. KEEP HOLE FULL AT ALL TIMES.
18. Run open ended tubing and tag for fill. Clean out fill to 10,840' (30' below lower most perforation). If no fill above 10,840' pull out. NOTE: KEEP HOLE FULL AT ALL TIMES.
19. Run and set a 7", 32# Weatherford Ultra-Lok Packer w/ H Valve on top at 8685'. Release from packer and pressure test against same to 3500 psi. NOTE: This packer will be left in the hole while producing Calendar sands.
20. Change the well over to 4% KCL fresh water treated with 4% Sin-Hib. Send Calcium Chloride to frac tanks for re-use.
21. Rig up Tiger Wireline Unit and run a GR-CCL log from 8685' to 6000'. Rig down loggers.
22. Make up and run Schlumberger 4-1/2" TCP guns. Service man to be on location while picking up guns. Once guns are at the perforating depth, pressure up on the annulus to 1000 psi before setting off guns. Perforate the first set of perforations as follows:

PROGRAM TO ADD PERFORATIONS TO DOM-1

Marker Top mwd	Proposed Perforations mwd		Net Perfs (ft)	Pressure	Hydrostatic %	Comments
DV - 7873'	7881	7890	9	3330	99%	estimated pressure
DW - 7916'	7895	7955	60	3700	109%	estimated pressure
	7982	7990	8	3790	114%	estimated pressure
DX - 8034'	8019	8055	36	4096	119%	
	8133	8240	107			
	8255	8310	55			
Division C - 8300'	8422	8445	23	4242	121%	

23. Send at least 100 bbls of returns to frac tank. Wait at least 1 hour before pulling guns. After any pressure has been safely bled off, pull and lay down perforating guns. If the well will not bleed off, acquire closed in pressure and kill the well using Calcium Chloride.
24. Run a 9-5/8", 53.5# casing scraper set to drift to the 7" liner top at 8181'. Pull out filling hole.
25. Run a 7", 32# casing scraper set to drift to 8460'. Circulate the hole clean. Pull out filling hole.
26. Run and set a 9-5/8", 53.5# Weatherford Ultra-Lok Packer w/ H Valve on top at 7875'. Release from packer and pressure test casing to 3000 psi. Circulate out any oil that came in before swabbing.
27. Swab down the well thru tubing to 6481'. Use wire line tag as depth indicator. Send returns to circulating tank for re-use. Pull tubing.
28. Using Schlumberger 4-1/2" TCP guns and service man, perforate the second set of perforations as follows:

Marker Top	Proposed Perforations	Net Perfs	Pressure	Hydrostatic %	Comments
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PROGRAM TO ADD PERFORATIONS TO DOM-1

mwd	mwd		(ft)			
CV - 6749'	6790	to 6808	18	940	33%	
	6832	6859	27			
CY - 6835'	6870	to 6887	17	950	33%	
D - 6890'	6900	6910	10	961	33%	
	6940	6961	21			
	6968	6988	20			
DB - 6999'	7020	7030	10	1054	35%	
	7060	7065	5			
	7085	7089	4			
DD - 7130'	7135	7144	9	981	32%	
	7168	7178	10			
DE - 7224'	7224	7255	31	985	32%	
	7262	7274	12			
	7361	7378	17			
	7405	7409	4			
DJ - 7422'	7422	7510	88	986	31%	
DM - 7509'	7530	7541	11	1160	36%	estimated pressure
DN - 7561'	7570	7623	53	1660	51%	estimated pressure
DO - 7631'	7631	7655	24	1860	57%	estimated pressure
	7669	7680	11	2000	61%	estimated pressure
	7691	7707	16	2170	66%	estimated pressure
DP - 7716'	7720	7777	57	2221	68%	
DS - 7799'	7800	7820	20	2902	88%	
	7828	7833	5	3040	90%	estimated pressure

PROGRAM TO ADD PERFORATIONS TO DOM-1

DT - 7838' 7840 7865 25 3250 95% estimated pressure

29. Send at least 100 bbls of returns to frac tank. Wait at least 1 hour before pulling guns. After any pressure has been safely bled off, pull and lay down perforating guns.
30. Run in with Weatherford packer retrieval tool and a 9-5/8", 53.5# casing scraper set to drift. Tag fill and clean out using only 4% KCL fresh water treated with 4% Sin-Hib to the top of the retrievable packer. Work scraper past perforated intervals several times before recovering packer. Circulate hole clean. Recover packer at 7875'. **Fill hole while pulling out.**
31. Run in with Weatherford packer retrieval tool and a 7", 32# casing scraper set to drift. Tag fill and clean out using only 4% KCL fresh water treated with 4% Sin-Hib to the top of the retrievable packer. Work scraper past perforated intervals several times before recovering packer. Circulate hole clean. Open "H" valve on top of packer slowly to relieve the pressure below the packer. Recover packer from 8685'. **Fill hole while pulling out.**
32. Rig up Western Wireline Slick Line unit and 5000 psi BOPE lubricator/packoff. Pressure test to 250 and 5000 psi. Run and set a 9-5/8", 53.5# Weatherford Arrow Pak Retrievable Seal Bore Packer and tail assembly set up for WX Equalizing plug and wireline Entry guide. Set the packer at 7873'.
33. Make up and run ESP pump with Y Tool. Install the Tubing Retrievable Flapper Safety Valve (TE-5 or TE-SCSSV) at 100'+-. Land ESP Tail assembly at approximately 6740'. Nipple up well head and tree.
34. Rig up Western Wireline Slick Line unit and 5000 psi BOPE lubricator/packoff. Pressure test to 250 and 5000 psi. Remove the Equalizing Plug set below the Arrow Pak packer.
35. Return well to production.

CMP



DOM-1

API# 037-27124

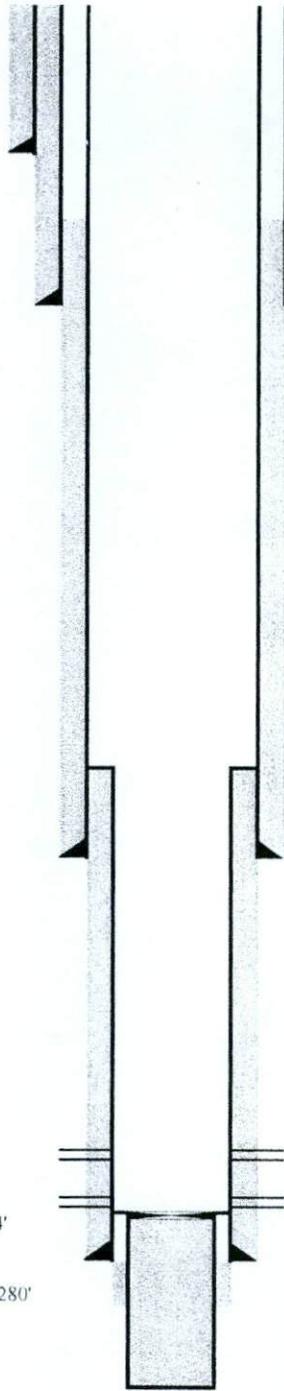
Field: Dominguez
 Sec: 33, T3 S, R 13 W, SBB&M
 Elevation: 168.7' above sea level, 25.1' KB
 Total Depth: 12,885'

30", 118.5#.	0' - 103'
18-5/8", 87.5#.	0' - 333'
13-3/8", 72.0#.	0' - 2000'
9-5/8", 53.5#.	0' - 8529'
7", 32.0#.	8181' - 11,103'
5", 18.0#.	10,994' - 12,883'

Hole Size:

24"	103' - 333'
17-1/2"	333' - 2000'
12-1/4"	2000' - 8529'
8-1/2"	8529' - 11,103'
6"	11,103' - 12,885'

DX @ 8034'
 Div-C @ 8300'
 Div-D @ 10063
 Calender 50 Fault @ 10530'
 Div-E @ 10853'



30", 118.6#. Gr welded cemented @ 103', TOC @ surface

18-5/8", 54.5#. J-55 cemented @ 333', TOC @ surface

TOC, 1010'

13-3/8", 72#. L-80 cemented @ 2000', TOC @ surface

"BFW", 2159'

NOTE: 9-5/8", 53.5#, T-95 from 5000' to surface.

7", 32#, P-110 liner top @ 8181'
Cemented in place

9-5/8", 53.5#, P-110 from 5000' to 8529', TOC @ 1010'.

Jet perf'd @ 10,770' - 10,810'

Jet perf'd @ 9307' - 9347'
Jet perf'd @ 10,770' - 10,810'

Bridge Plug @ 10,885'
7", 32#, P-110 cemented @ 11,103'

Perfs: Slotted P-110 @ 11,080' - 12,883', 2" x 100M

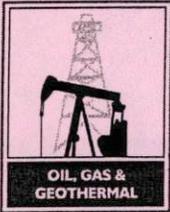
5", 18# liner hung @ 12,883'

5", 18#, P-110 liner top @ 10,994'

Liner cemented up @ 10,890' - 12,280'
Squeezed w/ 33.7 cf of cement.

Total Depth: 12,885'

CMP



PERMIT TO CONDUCT WELL OPERATIONS

CONFIDENTIAL WELL
 CRITICAL WELL

Old	New
208	208
FIELD CODE	
00	00
AREA CODE	
--	00
POOL CODE	

Cypress, California
 May 04, 2012

Mr. Chris Phillips, Agent
 Oxy USA Inc. (O2475)
 301 E. Ocean Blvd
 Long Beach, CA 90802

Your proposal to **Rework** well **DOM-001**, A.P.I. No. **037-27124**, Section **33**, T. **03S**, R. **13W**, **SB B. & M.**, **Dominguez** field, -- area, **8th Callender** pool, **Los Angeles** County, dated **3/7/2012**, received **3/7/2012** has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED:

1. Blowout prevention equipment, as defined by this Division's publication No. M07, shall be installed and maintained in operating condition and meet the following minimum requirements:
 - a. Class **III5M**, with hydraulic controls, during **rework** operations.
 - b. A **5M lubricator** for **lubricator** operations.
2. Blowout prevention practice drills are conducted at least weekly and recorded on the tour sheet. A practice drill may be required at the time of the test/inspection.
3. Hole fluid of a quality and in sufficient quantity to control all subsurface conditions in order to prevent blowouts shall be used.
4. Water shutoff effectiveness is demonstrated by a **production test** within **60** days of the well being placed on production.
5. No program changes are made without prior Division approval.
6. **THIS DIVISION SHALL BE NOTIFIED TO:**
 - a. Inspect the installed blowout prevention equipment prior to commencing **downhole** operations.
 - b. Witness a test of the effectiveness of the **9 5/8"** shutoff above the **8th Callender** zone.

NOTE:

1. This well has been granted confidential status for two years from the cessation of drilling operations on **February 4, 2011**.
2. This permit was held in abeyance pending receipt of well history for previous work.

Blanket Bond

cc: Update
 EDP

Engineer John Huff
 Office (714) 816-6847

JCH/jch

 Tim Kustic
 State Oil and Gas Supervisor

By *[Signature]*
 Daniel J. Dudak, Acting District Deputy

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended. Issuance of this permit does not affect the Operator's responsibility to comply with other applicable state, federal, and local laws, regulations, and ordinances.



RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

T# 112-0196

FOR DIVISION USE ONLY			
Bond	Forms		
	OGD114	OGD121	
BB	3-10-12	3-9-12	RF

OG/SH

NOTICE OF INTENTION TO REWORK / REDRILL WELL

Detailed instructions can be found at: www.conservation.ca.gov/dog/

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to rework / redrill well DOM-1 "DOM" OOI, API No. 037-27124
(Check one)

Sec. 33, T. 3, R. 13-W, S. B. B.&M., Dominquez Field, Los Angeles County.

The complete casing record of the well (present hole), including plugs and perforations, is as follows: (Attach wellbore schematics diagram also.)
See attached

The total depth is: 12,885 feet. The effective depth is: 10,810 feet.

Present completion zone(s): Division C & D (Name) Anticipated completion zone(s): Calendar 8 (Name)

Present zone pressure: 4900 psi. Anticipated/existing new zone pressure: 950 - 4100 psi.

Is this a critical well as defined in the California Code of Regulations, Title 14, Section 1720(a) (see next page)? Yes No

For redrilling or deepening only, is a California Environmental Quality Act (CEQA) document required by a local agency? Yes No If yes, see next page.

The proposed work is as follows: (A complete program is preferred and may be attached.)

Pull tubing and packer, jet perforate from 6870' - 8246'. Set packer above perforations and RTP.

If well is to be redrilled or deepened, show proposed coordinates (from surface location) and true vertical depth at total depth: _____ feet and _____ feet Estimated true vertical depth: _____
(Direction) (Direction)

Will the Field and/or Area change? Yes No If yes, specify New Field: _____ New Area: _____

The Division must be notified immediately of changes to the proposed operations. Failure to provide a true and accurate representation of the well and proposed operations may cause rescission of the permit.

Name of Operator <u>(Vintage Production California, LLC) Oxy USA Inc.</u>			
Address <u>P. O. Box 1330</u>		City/State <u>Long Beach, CA</u>	Zip Code <u>90801</u>
Name of Person Filing Notice <u>Chris Phillips</u>	Telephone Number: <u>562 495-9349</u>	Signature 	Date <u>3-7-12</u>
Individual to contact for technical questions: <u>Chris Parmelee</u>	Telephone Number: <u>562 254-7511</u>	E-Mail Address: <u>chris_parmelee@oxy.com</u>	

This notice and an indemnity or cash bond must be filed, and approval given, before the workover begins. (See the reverse side for bonding information.) If operations have not commenced within one year of the Division's receipt of the notice, this notice will be considered cancelled.



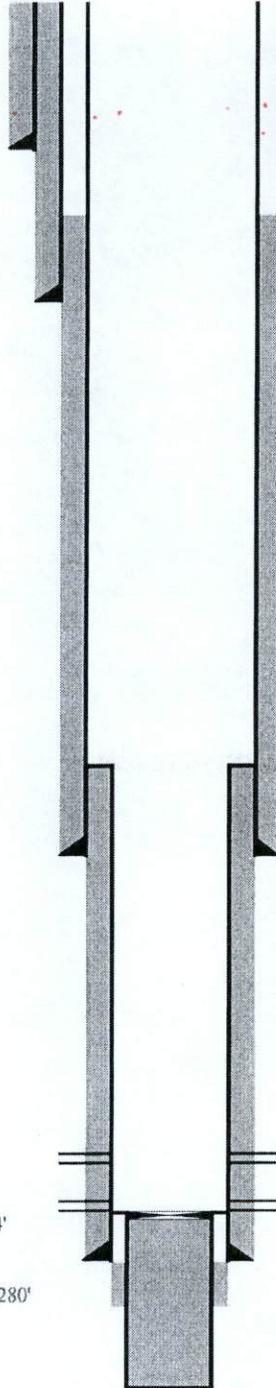
DOM-1

API# 037-27124

Field: Dominguez
 Sec: 33, T3 S, R 13 W, SBB&M
 Elevation: 168.7' above sea level, 25.1' KB
 Total Depth: 12,885'

30", 118.5#,	0' - 103'
18-5/8", 87.5#,	0' - 333'
13-3/8", 72.0#,	0' - 2000'
9-5/8", 53.5#,	0' - 8529'
7", 32.0#,	8181' - 11,103'
5", 18.0#,	10,994' - 12,883'

Hole Size:	24"	103' - 333'
	17-1/2"	333' - 2000'
	12-1/4"	2000' - 8529'
	8-1/2"	8529' - 11,103'
	6"	11,103' - 12,885'



30", 118.6#, Gr welded cemented @ 103', TOC @ surface

18-5/8", 54.5#, J-55 cemented @ 333', TOC @ surface

TOC, 1010'

13-3/8", 72#, L-80 cemented @ 2000', TOC @ surface

"BFW", 2159'

NOTE: 9-5/8", 53.5#, T-95 from 5000' to surface.

7", 32#, P-110 liner top @ 8181'
Cemented in place

9-5/8", 53.5#, P-110 from 5000' to 8529', TOC @ 1010'.

Jet perf'd f/ 10,770' - 10,810'

Jet perf'd f/ 9307' - 9347'
Jet perf'd f/ 10,770' - 10,810'

Bridge Plug @ 10,885'
7", 32#, P-110 cemented @ 11,103'

Perfs: Slotted P-110 f/ 11,080' - 12,883', 2" x 100M

5", 18# liner hung @ 12,883'

5", 18#, P-110 liner top @ 10,994'

Liner cemented up f/ 10,890' - 12,280'
Squeezed w/ 33.7 cf of cement.

Total Depth: 12,885'

CMP

PROGRAM TO ADD PERFORATIONS TO DOM-1

(All depths refer to KB, 25.1' above mat)

CASING RECORD:

30" conductor Cemented at 103'
18-5/8", 54.50 lb. 0' - 333', ETOC @ surface
13-3/8", 54.50 lb. 0' - 843', ETOC @ surface
9-5/8", 53.50 lb. 0' - 8529' ETOC at 1010'
7", 32.00 lb. 8181' - 11,103', cemented from 11,103' TO 8181'.
Perf's: Jet Perforated f/ 9307' - 9347'
Perf's: Jet Perforated f/ 10,770' - 10,810'

Bridge plug set @ 10,885'.

PLUGGED AND ABANDONED:

5", 18.00 lb. liner top @ 10,994', landed at 12,883'. Plugged w/ cement from 10,890' - 12,280' and squeezed w/ 33.7 cf of cement.
Perfs 11,080' - 12,883', 2" x 100 mesh

LOWER COMPLETION ASSEMBLY:

2-7/8" L-80 tubing hung at 8992'
7" HP-1 Retrievable Packer, Top @ 9055'.
20' of 3.25" Seal Bore Extension
2-7/8" cross over nipple (2.312" ID) @ 9090'
1 jt of 2-7/8", 6.5#, L-80 EUE
2-7/8" cross over nipple (2.312" ID) @ 9132' w/ PX plug. Installed 1-24-2012
1 jt of 2-7/8", 6.5#, L-80 EUE
Wireline Re-entry Guide, tail @ 9167'

TOTAL DEPTH: 12,885'

PROGRAM TO ADD PERFORATIONS TO DOM-1

PROGRAM:

1. Move in six 500 bbl clean frac tanks. Fill 2 with 1000 bbls of 4% KCL fresh water (PG 0.4436) treated with 4% Sin-Hib (Sinclair Drilling Fluids), 2 with 1000 bbls of 11.5 ppg CaCl₂ water (PG 0.5980) and 2 empties for returns. NOTE: Bring in KCL water in, in two loads a 22% concentrate and add fresh water to dilute back to 4%.
2. Contact Dan Kurtz with PROS incorporated (Cell 661 201-2122) to bleed down the tubing and casing 24 hours prior to moving in rig equipment.
3. Move in production rig and equipment.
4. After the rig up, lock open the MSSV and the pressure test against the PX plug to 3000 psi. Bleed off pressure after testing. Close the MSSV.
5. Set 2-way check valve (BPV) in the tubing hanger (Cameron w/ Cameron 661 706-6803). Remove production tree. Pressure test to 250 & 5000 PSI.
6. Install Class III, 11", 5000 psi or greater annular and double gate with 2-7/8" rams. Install a 3", 5000 psi choke manifold. Pressure test BOP @ 250 & 5000 psi for 15 minutes. Remove the 2 way check valve from tubing hanger.
7. Using a 3-1/2", 9.3# landing joint, pull the tubing hanger through the BOP and remove hanger. NOTE: Do Not loosen lockdown screws on the casing spool to pull the tubing hanger. Doing so will release the 13-5/8" false bowl.
8. Pick up enough 2-7/8", L-80 tubing to lower the seal assembly just above the top of the seal bore at 9055'.
9. Change the well over (from the annulus side) with 600 bbl of 11.5 ppg (PG 0.5980) Calcium Chloride. Includes some excess for the interface. After the change over, lower the seal assembly into the HP-1 Packer assembly. NOTE: Have the Baker Service tool representative on location to safely enter the seal bore above the HP-1 Packer.
10. Rig up Western Wireline Slick Line unit (805 641-0700) and 5000 psi BOPE lubricator/packoff. Pressure test to 250 and 5000 psi. Remove PX plug seated at 9132'.

PROGRAM TO ADD PERFORATIONS TO DOM-1

11. Hook up to the tubing and using BJ Pump Truck (Give them 48 hours notice prior to commencement of operations) bullhead down the tubing 70 bbls of 11.5 ppg CaCl₂ to complete the change over down to the bottom set of perms. Let the pressure subside from the squeezing away of fluids before checking to see if the well is dead. Estimated BHP at 10,680 TVD, 6060 psi. Kill fluid pressure, 6387 psi.
12. Rig up Western Wireline Slick Line unit and 5000 psi BOPE lubricator/packoff. Pressure test to 250 and 5000 psi. Re-install PX Plug at 9132'. Pressure test against plug to 3000 psi.
13. Pull and stand back 120' of 2-7/8" tubing. Using a Weatherford Model "R" packer, hang the tubing string off 10' below the well head. Pressure test against packer to 5000 psi.
14. Remove the BOP and tubing hanger portion of the well head and replace with the New submersible style well head. Re-Install BOP and pressure test BOP @ 250 & 5000 psi for 15 minutes.
15. Remove the Model "R" packer. Lower the seal assembly back into the seal bore.
16. Rig up Western Wireline Slick Line unit and 5000 psi BOPE lubricator/packoff. Pressure test to 250 and 5000 psi. Remove the PX Plug at 9132'.
17. Pull out. Make sure that the well is dead before pulling out. KEEP HOLE FULL AT ALL TIMES.
18. Using the assistance of the Baker Service tools, run HP-1 packer retrieving tool and latch onto same.
19. Recover the HP-1 packer assembly. NOTE: Verify the well is dead before pulling out. KEEP HOLE FULL AT ALL TIMES.
20. Run open ended tubing and tag for fill. Clean out fill to 10,840' (30' below lower most perforation). If no fill above 10,840' pull out. NOTE: KEEP HOLE FULL AT ALL TIMES.
21. Run and set a 7", 32# Weatherford Ultra-Lok Packer w/ H Valve on top at 8685'. Release from packer and pressure test against same to 3500 psi. NOTE: This packer will be left in the hole while producing Calendar sands.
22. Change the well over to 4% KCL fresh water treated with 4% Sin-Hib. Send Calcium Chloride to frac tanks for re-use.

PROGRAM TO ADD PERFORATIONS TO DOM-1

- 23. Swab down the well thru tubing to (to be determined). Use wireline tag as depth indicator. Send returns to circulating tank for re-use. Pull tubing.
- 24. Rig up Tiger Wireline Unit and run a GR-CCL log from 8685' to 6000'. Rig down loggers.
- 25. Using Schlumberger 4-1/2" TCP guns and service man, perforate the first set of perforations as follows:

Marker Top mwd	Proposed Perforations mwd		Net Perfs (ft)	Pressure	Hydrostatic %	Comments
DV - 7873'	7881	7890	9	3330	99%	estimated pressure
DW - 7916'	7895	7955	60	3700	109%	estimated pressure
	7982	7990	8	3790	114%	estimated pressure
DX - 8034'	8019	8055	36	4096	119%	
	8133	8240	107			
	8255	8310	55			
Division C - 8300'	8422	8445	23	4242	121%	

- 26. Send at least 100 bbls of returns to frac tank. Wait at least 1 hour before pulling guns. After any pressure has been safely bled off, pull and lay down perforating guns. If the well will not bleed off, acquire closed in pressure and kill the well using Calcium Chloride.
- 27. Run a 9-5/8", 53.5# casing scraper set to drift to the 7" liner top at 8181'. Pull out filling hole.
- 28. Run a 7", 32# casing scraper set to drift to 8460'. Circulate the hole clean. Pull out filling hole.
- 29. Run and set a 9-5/8", 53.5# Weatherford Ultra-Lok Packer w/ H Valve on top at 7875'. Release from packer and pressure test casing to 3000 psi. Circulate out any oil that came in before swabbing.
- 30. Swab down the well thru tubing to (to be determined). Use wire line tag as depth indicator. Send returns to circulating tank for re-use. Pull tubing.

PROGRAM TO ADD PERFORATIONS TO DOM-1

31. Using Schlumberger 4-1/2" TCP guns and service man, perforate the second set of perforations as follows:

Marker Top mwd	Proposed Perforations mwd	Net Perfs (ft)	Pressure	Hydrostatic %	Comments
CV - 6749'	6790 to 6808 6832 to 6859	18 27	940	33%	
CY - 6835'	6870 to 6887	17	950	33%	
D - 6890'	6900 to 6910 6940 to 6961 6968 to 6988	10 21 20	961	33%	
DB - 6999'	7020 to 7030 7060 to 7065 7085 to 7089	10 5 4	1054	35%	
DD - 7130'	7135 to 7144 7168 to 7178	9 10	981	32%	
DE - 7224'	7224 to 7255 7262 to 7274 7361 to 7378 7405 to 7409	31 12 17 4	985	32%	
DJ - 7422'	7422 to 7510	88	986	31%	
DM - 7509'	7530 to 7541	11	1160	36%	estimated pressure
DN - 7561'	7570 to 7623	53	1660	51%	estimated pressure
DO - 7631'	7631 to 7655	24	1860	57%	estimated pressure

RECEIVED MAR 14 2012

PROGRAM TO ADD PERFORATIONS TO DOM-1

	7669	7680	11	2000	61%	estimated pressure
	7691	7707	16	2170	66%	estimated pressure
DP - 7716'	7720	7777	57	2221	68%	
DS - 7799'	7800	7820	20	2902	88%	
	7828	7833	5	3040	90%	estimated pressure
DT - 7838'	7840	7865	25	3250	95%	estimated pressure

32. Send at least 100 bbls of returns to frac tank. Wait at least 1 hour before pulling guns. After any pressure has been safely bled off, pull and lay down perforating guns.
33. Run in with Weatherford packer retrieval tool and a 9-5/8", 53.5# casing scraper set to drift. Tag fill and clean out using only 4% KCL fresh water treated with 4% Sin-Hib to the top of the retrievable packer. Work scraper past perforated intervals several times before recovering packer. Circulate hole clean. Recover packer at 7875'. **Fill hole while pulling out.**
34. Rig up Western Wireline Slick Line unit and 5000 psi BOPE lubricator/packoff. Pressure test to 250 and 5000 psi. Run and set a 9-5/8", 53.5# Weatherford Arrow Pak Retrievable Seal Bore Packer and tail assembly set up for WX Equalizing plug and wireline Entry guide. Set the packer at 7873'.
35. Make up and run ESP pump with Y Tool. Install the Tubing Retrievable Flapper Safety Valve (TE-5 or TE-SCSSV) at 100'+-. Land ESP Tail assembly at approximately 6740'. Nipple up well head and tree.
36. Rig up Western Wireline Slick Line unit and 5000 psi BOPE lubricator/packoff. Pressure test to 250 and 5000 psi. Remove the Equalizing Plug set below the Arrow Pak packer.
37. Return well to production.

CMP

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CONFIDENTIAL

CONFIDENTIAL

CONFIDENTIAL

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

CHECK LIST - RECORDS RECEIVED AND WELL STATUS

Company:	OXY USA INC.	Well: DOM-001 Recompletion
API#:	037-27124	Sec. 8, T. 5S, R.13W. S. B. B. & M.
County:	Los Angeles	Field: Dominguez

RECORDS RECEIVED	DATE	STATUS
Well Summary (Form OG100)	05/01/2012 (2)	Producing <input type="checkbox"/> Drilling <input type="checkbox"/>
History (Form OG103)	05/01/2012 (2)	Abandoned <input type="checkbox"/> Idle <input type="checkbox"/>
Core Record (Form OG101)		Reabandoned <input type="checkbox"/> Other <input checked="" type="checkbox"/>
Directional Survey		
Sidewall Samples		
Date final records received.		
Electric Logs:		
Other:		

WELL TYPE	
Oil	<input checked="" type="checkbox"/> <input type="checkbox"/> Waterflood <input type="checkbox"/>
Gas	<input type="checkbox"/> Water Disposal <input type="checkbox"/>
Water Source	<input type="checkbox"/> Cyclic Steam <input type="checkbox"/>
Observation	<input type="checkbox"/> Steam Flood <input type="checkbox"/>
Exploratory	<input type="checkbox"/> Fire Flood <input type="checkbox"/>
Dry Hole	<input type="checkbox"/> Other <input type="checkbox"/>

EFFECTIVE DATE: 1/30/2012

REMARKS: Shut-in

ENGINEERS CHECK LIST	CLERICAL CHECK LIST
<input checked="" type="checkbox"/> Summary, History & Core Record (Dupl.)	Location change
<input type="checkbox"/> Electric Log	Elevation change
<input checked="" type="checkbox"/> Operator's Name	Form OGD121
<input checked="" type="checkbox"/> Signature	Form OGD150b (Release of Bond)
<input checked="" type="checkbox"/> Well Designation	Duplicate logs to archives
<input type="checkbox"/> Location	Notice of Records Due
<input type="checkbox"/> Elevation	EDP
<input checked="" type="checkbox"/> Notices	District Date Base
<input checked="" type="checkbox"/> "T" Reports	Final Letter (OG159)
<input checked="" type="checkbox"/> Casing Record	Update Center
<input checked="" type="checkbox"/> Plugs	
<input type="checkbox"/> Directional Survey	
<input checked="" type="checkbox"/> Production/Injection (FAP Codes: 20800 --)	
<input type="checkbox"/> E Well on Prod., enter EDP	
<input type="checkbox"/> Surface Inspection Required	
<input type="checkbox"/> Surface inspection Waived (Island)	
<input type="checkbox"/> Well site restoration deferred (common cellar)	
<input type="checkbox"/> Final Letter Required AB: <input type="checkbox"/> REAB: <input type="checkbox"/>	
<input type="checkbox"/> Other:	

FIELD CHECK LIST
Date Surface Inspection Completed:
Other:

RECORDS NOT APPROVED	RECORDS APPROVED
(Reason:)	Signature: SCH 5/3/2012
	RELEASE BOND
	Date Eligible
	(Use date last needed records received.)
	MAP AND MAP BOOK

NATURAL RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

WELL SUMMARY REPORT

API No. 04-037-27124-00

Operator OXY USA INC.		Well DOM-001 Recompletion			
Field (and Area, if applicable) DOMINGUEZ		County LOS ANGELES	Sec. 8	T. 5S	R. 13W B.&M. S.B.
Location of well (Give surface location from property or section corner, street center line)			Elevation of ground above sea level: 168.71'		
Lat./Long. in decimaldegrees, to six decimal places, NAD 83 format: Lat 33.863524N Long: 118.243164W					

Was the well directionally drilled? Yes No If yes, show coordinates (from surface location) and true vertical depth at total depth.
N 4 064 077.19 E 4 231 884.50 (TMD 12885' / TVD 12745')

Commenced REWORK (date) November 28, 2011	Total depth (1st hole) 12885'	(2nd)	(3rd)	Depth measurements taken from top of: <input type="checkbox"/> Derrick Floor <input type="checkbox"/> Rotary Table <input type="checkbox"/> Kelly Bushing	
Completed REWORK (date) January 28, 2012				Which is 25.12' feet above ground.	
Commenced production/injection (date) January 05, 2012	Present effective depth 10885'			GEOLOGICAL MARKERS	
Production mode: <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas lift	Junk? Describe: Work Done:			DEPTH	
Name of production/injection zone(s) DIVISION F, BASEMENT				Formation and age at total depth Meta Sedimentary Base / Jurassic	Base of fresh water 2159'

	Clean Oil (bbl per day)	API Gravity (clean oil)	Percent Water (including emulsion)	Gas (Mcf per day)	Tubing Pressure	Casing Pressure
Initial Production	0	27.4	100.0	0	1552	2000
Production After 30 days	3	27.4	96.9	0	80	0

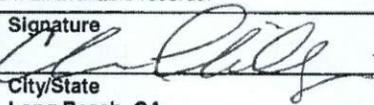
CASING AND CEMENTING RECORD (Present Hole)

Size of Casing (Inches API)	Top of Casing	Depth of Shoe	Weight of Casing	Grade and Type of Casing	New (N) or Used (U)	Size of Hole Drilled	Number of Sacks or Cubic Feet of Cement	Depth of Cementing (if through perforations)	Top(s) of Cement in Annulus
18-5/8"	31'	333'	87.5#	J-55 seamless	N	24"	422 sacks (704 cu ft)		surface
13-3/8"	31'	2000'	72#	L-80 seamless	N	17-1/2"	1203 sacks (1999 cu ft)		surface
9-5/8"	31'	8529'	53.5#	T-95 & P-110 seamless	N	12-1/4"	1177 sacks (2649 cu ft)		2087'
7"	8181'	11103'	32#	P-110 seamless	N	8-3/4"	347 sacks (702 cu ft)		8181'
5"	10944'	12883'	18"	P-110 seamless	N	6"	Not cemented		

PERFORATED CASING (Size, top, bottom, perforated intervals, size and spacing of perforations, and method.)
5" perforated 2" X 100 Mesh slots, 16 Rows, 6" Centers 11067'-11641', 11662'-12072', 12107'-12269', 12290'-12454', 12495'-12658', 12678'-12882' (Swell packers @ 11652' & 12280')
7" casing perforated with six (6) 0.48" HPF 10810'-10770', 9347'-9327' (fracture stimulated)

Logs/surveys run? Yes No If yes, list type(s) and depth(s).

In compliance with Sec. 3215, Division 3, of the Public Resources Code, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Name of person filling report Chris Phillips	Telephone Number (562) 824-1759	Signature 	Date 5/01/2012
Address PO Box 2900		City/State Long Beach, CA	Zip Code 90801
Individual to contact for technical questions: Mike McCarter	Telephone Number 562 624-3400	E-Mail Address: mlke_mccarter@oxy.com	

OG100 (3/09) SUBMIT IN DUPLICATE

RECEIVED MAY 01 2012

1A3

SUBMIT IN DUPLICATE
RESOURCES AGENCY OF CALIFORNIA
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES

HISTORY OF OIL OR GAS WELL

Operator: OXY USA INC.
Well: DOM-001

Field: DOMINGUEZ
Sec: 33 T: 3S R: 13W

County: LOS ANGELES
S.B.B. & M.

API#: 04-037-27124-00

Name: CHRIS PHILLIPS
(Person submitting report)

Title: Agent
(President, Secretary, or Agent)

Signature: _____

(Address)

Date: _____
(562) 495-1950
(Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items such as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, balling tests, and initial production data.

RECOMPLETION

Work Type	Primary Reason	Secondary Reason	Start Date	End Date
RECOMPLETION	ADD PAY NEW ZONE		11/28/2011	01/28/2012

11/28/2011 Midnight to Midnight

MONITORED PRESSURE BUILD-UP AFTER BLEED OFF. DECISION WAS MADE TO PULL WELL. PULLED 2-7/8 TBG & SEAL ASSEMBLY.

11/29/2011 Midnight to Midnight

RAN 2-7/8" X 2-3/8" COMBO WORK STRING. LOCATED TOP OF FILL INSIDE 5" LINER @ 12770' (113' OF FILL, ECOD @ 12885').

11/30/2011 Midnight to Midnight

CLEANED OUT FILL 12770'-12885' ECOD. CIRCULATED & MONITORED WELL.

12/01/2011 Midnight to Midnight

PLUGGED 5", 18#, SLOTTED LINER 12884'-10994' & 7", 32#, CSG 10994-10696' W/ 275 CF 15.8 PPG CLASS G CMT BLEND W/ 14.0 PPG ULTRA-FLUSH SPACERS AHEAD & BEHIND. DOWN SQUEEZED 6 BBLS.

12/02/2011 Midnight to Midnight

LOCATED TOP OF CMT 10683'. DOGGR WITNESSED PLACEMENT.

12/03/2011 Midnight to Midnight

RIG SHUTDOWN.

12/04/2011 Midnight to Midnight

RIG SHUTDOWN.

12/05/2011 Midnight to Midnight

RIG SHUTDOWN.

12/06/2011 Midnight to Midnight

RAN 7" SCRAPER ASSEMBLY. LOCATED TOP OF CMT @ 10605'.

12/07/2011 Midnight to Midnight

DRILLED OUT CMT STRINGERS 10608'-10653'. DRILLED OUT HARD CMT 10653'-10665'.

12/08/2011 Midnight to Midnight

DRILLED OUT CMT 10665'-10890'. CIRCULATED HOLE CLEAN. PRESSURE TEST CSG TO 4500# FOR 30 MINUTES.

HISTORY OF OIL OR GAS WELL

Operator: OXY USA INC.
Well: DOM-001

Field: DOMINGUEZ
Sec: 33 T: 3S R: 13W

County: LOS ANGELES
S.B.B. & M.

12/09/2011 Midnight to Midnight

SET 7", 32#, HI-TEMP 10K BRIDGE PLUG @ 10885'.

12/10/2011 Midnight to Midnight

RAN 7" X 9-5/8" BRUSH ASSEMBLY TO TOP OF 7" BRIDGE PLUG @ 10885'.

12/11/2011 Midnight to Midnight

TESTED BOPE. DISPLACED FLUID IN HOLE W/ 270 BBLS OF SPACER & 850 BBLS 4% KCL. MONITORED WELL.

12/12/2011 Midnight to Midnight

RAN HP-1 PKR ASSEMBLY. TOP OF ASSEMBLY @ 9097'. BOTTOM OF ASSEMBLY @ 9208'.

12/13/2011 Midnight to Midnight

TESTED BOPE. RAN STAB-IN ASSEMBLY. HYDROTESTED IN HOLE W/ 3-1/2', 8-RD EUE 9.3# P-110 TBG.

12/14/2011 Midnight to Midnight

CONTINUED RUNNING STAB-IN ASSEMBLY.

12/15/2011 Midnight to Midnight

RAN STAB-IN ASSEMBLY TO 9097' (TOP OF HP-1 PKR). ATTEMPTED TO TEST CSG. HAD COMMUNICATION @ 2000#. PULLED TOOL ASSEMBLY.

12/16/2011 Midnight to Midnight

FOUND HP-1 PKR @ 9163' (66' DEEPER THAN SETTING DEPTH @ 9097'). RAN PKR RETRIEVING TOOL. ENGAGED HP-1 PKR @ 9163'. UNABLE TO PULL. PKR ASSEMBLY SLID DOWN HOLE. PKR TOP @ 9193'.

12/17/2011 Midnight to Midnight

SHUT DOWN RIG.

12/18/2011 Midnight to Midnight

SHUT DOWN RIG.

12/19/2011 Midnight to Midnight

RAN PKR RETRIEVING TOOL BELOW FISHING ASSEMBLY FISHED & RECOVERED PKR ASSEMBLY.

12/20/2011 Midnight to Midnight

RAN 7" SCRAPER ASSEMBLY W/ IN-LINE MAGNETS 8800'-9200'. CIRCULATED HOLE CLEAN.

12/21/2011 Midnight to Midnight

WAITED ON REDRESSED HP-1 PKR ASSEMBLY.

12/22/2011 Midnight to Midnight

RAN 7" HP-1 PKR ASSEMBLY ON 3-1/2" P-110 FRAC STRING. TOP OF PKR @ 9050' W/ TAIL @ 9162'. SET PKR. PERFORMED ANCHOR & PRESSURE TEST.

12/23/2011 Midnight to Midnight

RAN STINGER ASSEMBLY ON 3-1/2", 9.3#, L-80 P-110 FRAC TBG. TAIL @ 9040'. PRESSURE TESTED 3-1/2" TBG TO 6500#. CIRCULATED & CONDITIONED FLUID.

12/24/2011 Midnight to Midnight

HISTORY OF OIL OR GAS WELL

Operator: OXY USA INC.
Well: DOM-001

Field: DOMINGUEZ
Sec: 33 T: 3S R: 13W

County: LOS ANGELES
S.B.B. & M.

REMOVED BOPE. INSTALLED & TESTED WELLHEAD TO 9000#.

12/25/2011 Midnight to Midnight

SHUT DOWN FOR CHRISTMAS.

12/26/2011 Midnight to Midnight

RAN SINKER BARS TO 10855' ECOD JET PERFORATED 7" CSG W/ SIX (6) 0.48" HPF 10790'-10810'.

12/27/2011 Midnight to Midnight

JET PERFORATED 7" CSG W/ SIX (6) 0.48" HPF 10770'-10790'.

12/28/2011 Midnight to Midnight

MONITORED WELL. NO FLOW. BEGAN INJECTIVITY TEST INTO NEW PERFORATIONS 10770'-10810' ONE (1) BPM. PRESSURED UP TO 5654#. BROKE DOWN @ 4756#. MAXED @ 8 BPM @ 6160#.

12/29/2011 Midnight to Midnight

MONITORED TBG & CSG PRESSURE (TBG @ 1435#, CSG @ 3254#).

12/30/2011 Midnight to Midnight

RIGGED UP FRACTURING EQUIPMENT.

12/31/2011 Midnight to Midnight

FRACTURE STIMULATED PERFS W/ 4000 LBS SINTER-BLAST & 95620 LBS 30/50 MG-LIGHT PROPPANT. ESTIMATED TOP OF SAND CAP @ 10621'.

01/01/2012 Midnight to Midnight

JET PERFORATED 7" CSG W/ SIX (6) 0.48" HPF 9347'-9327'. FRACTURE STIMULATED PERFS W/ 4950 LBS SINTER-BLAST & 89169 LBS OF MG-LIGHT 30/50 CERAMIC PROPPANT.

01/02/2012 Midnight to Midnight

MOVED IN & RIGGED UP 1-1/2" CCT UNIT.

01/03/2012 Midnight to Midnight

RAN 1-11/16" SCALE BLASTER WASHTOOL. LOCATED TOP FRAC SAND @ 10874'. CLEANED OUT FRAC SAND.

01/04/2012 Midnight to Midnight

RAN 1-1/2" COIL TO 10860' ECOD. CIRCULATED & CONDITIONED HOLE. DISPLACED FLUID IN HOLE W/ 4% KCL.

01/05/2012 Midnight to Midnight

MONITORED SHUT-IN WELL PRESSURE. BEGAN FLOW TEST @ 1/4 TO 1/3 BPM. TOTAL RECOVERY OF WELL = 50 BBLS FLUID. CLEAN WATER, NO SAND, NO HYDROCARBONS OR GAS. FLOWING PRESSURE @ 11/64 CHOKE = 1349# TBG & 2139# CSG PRESSURE.

01/06/2012 Midnight to Midnight

CONTINUED FLOW TEST (TBG PRESSURE @ 875#, CSG @ 1000#. 100% WATER RECOVERED (312 BBLS).

01/07/2012 Midnight to Midnight

CONTINUED FLOW TEST (TBG PRESSURE @ 300#, CSG @ 1000#). 100% WATER RECOVERED (950 BBLS).

01/08/2012 Midnight to Midnight

CONTINUED FLOW TEST (TBG PRESSURE @ 210#, CSG @ 500#). 100% WATER RECOVERED (1310 BBLS).

SUBMIT IN DUPLICATE
RESOURCES AGENCY OF CALIFORNIA
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES

HISTORY OF OIL OR GAS WELL

Operator: OXY USA INC.
Well: DOM-001

Field: DOMINGUEZ
Sec: 33 T: 3S R: 13W

County: LOS ANGELES
S.B.B. & M.

01/09/2012 Midnight to Midnight

CONTINUED FLOW TEST (TBG PRESSURE @ 195#, CSG @ 386#). 100% WATER RECOVERED (1493 BBLs W/ TRACE OIL).

01/10/2012 Midnight to Midnight

CONTINUED FLOW TEST (TBG PRESSURE @ 125#, CSG @ 261#). 99.5% WATER RECOVERED (1650 BBLs).

01/11/2012 Midnight to Midnight

CONTINUED FLOW TEST (TBG PRESSURE @ 118#, CSG @ 225#). 99.5% WATER RECOVERED (1827 BBLs).

01/12/2012 Midnight to Midnight

CONTINUED FLOW TEST (TBG PRESSURE @ 118#, CSG @ 225#). 99.5% WATER RECOVERED (1925 BBLs).

01/13/2012 Midnight to Midnight

CONTINUED FLOW TEST (TBG PRESSURE @ 137#, CSG @ 79#). 99.5% WATER RECOVERED (2031 BBLs).

01/14/2012 Midnight to Midnight

CONTINUED FLOW TEST (TBG PRESSURE @ 97#, CSG @ 14#). 98.5% WATER RECOVERED (2135 BBLs).

01/15/2012 Midnight to Midnight

CONTINUED FLOW TEST (TBG PRESSURE @ 97#, CSG @ 14#). 98.5% WATER RECOVERED (2135 BBLs).

01/16/2012 Midnight to Midnight

CONTINUED FLOW TEST (TBG PRESSURE @ 89#, CSG @ 0#). 98.5% WATER RECOVERED (2250 BBLs).

01/17/2012 Midnight to Midnight

SHUT WELL IN FOR PRESSURE BUILD UP.

01/18/2012 Midnight to Midnight

SHUT WELL IN FOR PRESSURE BUILD UP.

01/19/2012 Midnight to Midnight

MOVED IN WIRE LINE UNIT. RAN THERMOMETER & SAMPLE BAIER TO 10810' (BOTTOM PERF, ECOD @ 10885'). FOUND ALL ALL PERFS OPEN. TEMPERATURE @ 268 DEGREES ON BOTTOM. RECOVERED FRAC SAND & FLUID SAMPLE. RAN QUARTZ GAUGES. RECORDED MAX BHP OF 4865.6# @ 10790'.

01/20/2012 Midnight to Midnight

CONTINUED FLOW TEST (TBG PRESSURE @ 95#, CSG @ 0#). RECOVERED (2375 BBLs).

01/21/2012 Midnight to Midnight

SHUT IN WELL.

01/22/2012 Midnight to Midnight

WELL SHUT IN.

01/23/2012 Midnight to Midnight

SHUT IN WELL FOR PRESSURE BUILD-UP.

01/24/2012 Midnight to Midnight

HISTORY OF OIL OR GAS WELL

Operator: OXY USA INC.
 Well: DOM-001

Field: DOMINGUEZ
 Sec: 33 T: 3S R: 13W

County: LOS ANGELES
 S.B.B. & M.

SET 2-WAY CHECK VALVE IN BOTTOM X-NIPPLE @ 9130'. TESTED TBG TO 2500#.

01/25/2012 Midnight to Midnight

INSTALLED CLASS 4 BOPE.

01/26/2012 Midnight to Midnight

TESTED BOPE. PULLED CHECK VALVE. DISPLACED FLUID IN HOLE W/ 4% KCL.

01/27/2012 Midnight to Midnight

PULLED SEAL ASSEMBLY. CHANGED OUT UPPER & LOWER PIPE RAMS F/ 3-1/2" TO 2-7/8".

01/28/2012 Midnight to Midnight

RAN SEAL ASSEMBLY W/ STINGER TAIL @ 8992'. REMOVED BOPE. INSTALLED & TESTED WELLHEAD TO 5500#. RELEASED RIG @ 18:00 HRS ON 01/28/2012.

01/29/2012 Midnight to Midnight

CLEAN LOCATION. RELEASE RIG AND CREW AT 06:00 HRS. CONTINUE SITE CLEAN UP.

01/30/2012 Midnight to Midnight

DOM-001 WELL SHUT IN. PREP TO FLOW DOM-002

New Holes

Wellbore No.	Hole Size (in)	Top MD (ft)	Btm MD (ft)	Start Date	End Date
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New Casing/Liner Strings

Size	Assembly Name	Installed	Wellbore No	Top MD (ft)	Btm MD (ft)
------	---------------	-----------	-------------	-------------	-------------

New Perforated Intervals

Date Shot	Wellbore No.	Top MD (ft)	Btm MD (ft)	Length (ft)	SPF	Phasing (°)
12/26/2011	00	10,790	10,810	20	6	40.00
12/27/2011	00	10,770	10,790	20	6	40.00
01/01/2012	00	9,307	9,347	40	6	60.00
01/01/2012	00	9,327	9,347	-20	6	40.00



DOM-1

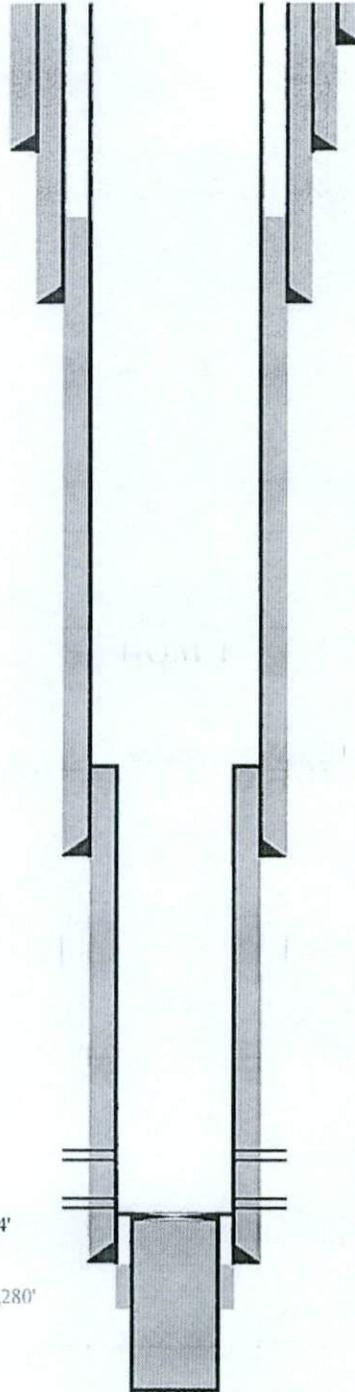
API# 037-27124

Field: Dominguez
 Sec: 33, T3 S, R 13 W, SBB&M
 Elevation: 168.7' above sea level, 25.1' KB
 Total Depth: 12,885'

30", 118.5#	0' - 103'
18-5/8", 87.5#	0' - 333'
13-3/8", 72.0#	0' - 2000'
9-5/8", 53.5#	0' - 8529'
7", 32.0#	8181' - 11,103'
5", 18.0#	10,994' - 12,883'

Hole Size:	24"	103' - 333'
	17-1/2"	333' - 2000'
	12-1/4"	2000' - 8529'
	8-1/2"	8529' - 11,103'
	6"	11,103' - 12,885'

DX @ 8034'
 Div-C @ 8300'
 Div-D @ 10063
 Calender 50 Fault @ 10530'
 Div-E @ 10853'



30", 118.6#, Gr welded cemented @ 103', TOC @ surface

18-5/8", 54.5#, J-55 cemented @ 333', TOC @ surface

TOC, 1010'

13-3/8", 72#, L-80 cemented @ 2000', TOC @ surface

"BFW", 2159'

NOTE: 9-5/8", 53.5#, T-95 from 5000' to surface.

7", 32#, P-110 liner top @ 8181'
Cemented in place

9-5/8", 53.5#, P-110 from 5000' to 8529', TOC @ 1010'.

Jet perf'd @ 10,770' - 10,810'

Jet perf'd @ 9307' - 9347'
Jet perf'd @ 10,770' - 10,810'

Bridge Plug @ 10,885'
7", 32#, P-110 cemented @ 11,103'

Perfs: Slotted P-110 @ 11,080' - 12,883', 2" x 100M

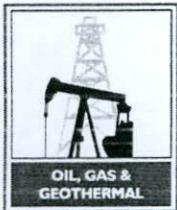
5", 18# liner hung @ 12,883'

5", 18#, P-110 liner top @ 10,994'

Liner cemented up @ 10,890' - 12,280'
Squeezed w/ 33.7 cf of cement.

Total Depth: 12,885'

CMP



DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS & GEOTHERMAL RESOURCES
5816 Corporate Ave., Suite 200 Cypress, CA 90630-4731
Phone:(714) 816-6847 Fax:(714) 816-6853

CONFIDENTIAL WELL

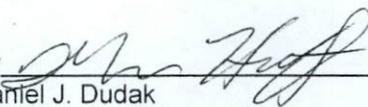
Cypress, California
March 15, 2012

Mr. Chris Phillips
Oxy USA Inc. (O2475)
301 E. Ocean Blvd
Long Beach, CA 90802

This Division has received your Notice of Intention to **Rework** dated **3/7/2012**, for **DOM-001**, API No. **037-27124**, **Dominguez** field, Sec. **33**, T. **03S**, R. **13W**, **SB B&M**, **Los Angeles** County.

In order to issue a permit for the proposed work, a history covering the work performed under permit **P111-0688** dated **10/19/2011** and supplementary permit **P111-0823** dated **12/09/2011** will need to be submitted. If you have any questions, please call John Huff at (714) 816-6847.

Tim Kustic
Acting State Oil and Gas Supervisor

By 
For: Daniel J. Dudak
Acting District Deputy

JCH:JCH

NATURAL RESOURCES AGENCY
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. T 111-0554

REPORT ON OPERATIONS
CONFIDENTIAL WELL

Cypress, California
December 12, 2011

Chris Phillips, Agent
OXY LONG BEACH, INC
301 E. Ocean Blvd
Long Beach, CA 90802

Your operations at well **DOM-001**, A.P.I. No. **037-27124**, Section **33**, T. **3S**, R. **13W**, S.B. **B & M.**, **Dominguez Field, Los Angeles** County, were witnessed on **11/20/2011**. **Zaheed Amilhussin**, representative of the supervisor, was present from **1700** to **1930**. There was also present **Jeff Thompson, Operator's Representative**.

The operations were performed for the purpose of testing the blowout prevention equipment and installation

DECISION: APPROVED

DEFICIENCIES: None.

DEFICIENCIES NOTED AND CORRECTED: None.

UNCORRECTABLE DEFICIENCIES: None.

CONTRACTOR: **Nabors**

Tim Kustic
Acting State Oil and Gas Supervisor

By: M. Ali Khan
M. Ali Khan, Acting District Deputy

JCH:dj

cc: Update

OG109 07-08-09

NATURAL RESOURCES AGENCY
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. T 111-0541

REPORT ON OPERATIONS
CONFIDENTIAL WELL

Cypress, California
December 12, 2011

Chris Phillips, Agent
→ USA, INC.
301 E. Ocean Blvd
Long Beach, CA 90802

Your operations at well **DOM-001**, A.P.I. No. **037-27124**, Section **33**, T. **3S**, R. **13W**, S.B. **B & M.**, **Dominguez Field**, Los Angeles County, were witnessed on **12/2/2011**. **Zaheed Amilhussin**, representative of the supervisor, was present from **1000** to **1100**. There was also present **Jeff Thompson**, **Operator's Representative**.

The operations were performed for the purpose of witnessing the plugging operations in the process of rework.

DECISION: APPROVED

DEFICIENCIES: None.

DEFICIENCIES NOTED AND CORRECTED: None.

UNCORRECTABLE DEFICIENCIES: None.

CONTRACTOR: **Nabors**

Tim Kustic

Acting State Oil and Gas Supervisor

By: 

M. Ali Khan, Acting District Deputy

JCH:dj

cc: Update

OG109 07-08-09

BLOWOUT PREVENTION EQUIPMENT MEMO

CONFIDENTIAL WELL

Operator Oxy USA Inc. Well DOM-001 Sec. 33 T. 03S R. 13W
 Field Dominguez County Los Angeles Spud Date _____
VISITS: Date Engineer Time Operator's Rep. Title
 1st 11/20/11 Z.Amilhussin (1700 to 1930) Jeff Thompson Company Rep
 2nd _____ (_____ to _____) _____ _____
 Contractor Nabors Rig # 1438 Contractor's Rep. & Title Jose Garcia, Contractor Rep.
 Casing record of well: _____

OPERATION: Testing (inspecting) the blowout prevention equipment and installation. Critical well? Y N
DECISION: The blowout prevention equipment and its installation on the 13 3/8 " casing are approved.

Proposed Well Opns: Rework . MACP: _____ psi **REQUIRED BOPE CLASS: IV 10M**
 Hole size: _____ " fr. _____ " to _____ " to _____ " & _____ " to _____ "

CASING RECORD OF BOPE ANCHOR STRING					Cement Details		Top of Cement	
Size	Weight(s)	Grade(s)	Shoe at	CP at			Casing	Annulus
13 3/8"	72#	L-80	2000'					

BOP STACK							TEST DATA						
API Symb.	Ram Size (in.)	Manufacturer	Model or Type	Vert. Bore Size (in.)	Press. Rtg.	Date Last Overhaul	Gal. to Close	Recov. Time (Min.)	Calc. GPM Output	psi Drop to Close	Secs. to Close	Test Date	Test Press.
A	cso	Hydril	Spheric	11	10M		25.10					11/20	3600
Rd	2 7/8	Cameron	U	11	10M		3.5					11/20	3600
Rd	cso	Cameron	U	11	10M		3.5			30 min.	chart	11/2	4000
Rs	2 7/8	Cameron	U	11	10M		3.5					11/20	3600

ACTUATING SYSTEM				TOTAL: 35.0		AUXILIARY EQUIPMENT						
Accumulator Unit(s) Working Pressure <u>2800</u> psi						Connections						
Total Rated Pump Output _____ gpm				Fluid Level ok		No.	Size (in.)	Rated Press	Weld	Flange	Thread	Test Press.
Distance from Well Bore <u>50</u> ft.				Precharge								
Accum. Manufacturer		Capacity		Precharge		Fill-up Line						
1	Koomey	110gal.	1000psi	x	Kill Line		2	10M		x		3600
2		gal.	psi	x	Control Valve(s)	2		10M		x		
CONTROL STATIONS				Elec.	Hyd.	Pneu.						
x	Manifold at accumulator unit				x			10M		x		3600
x	Remote at Driller's station					x		10M		x		3600
	Other:				x		3x4	10M		x		3600
	Other:				x		14	10M		x		3600
EMERG. BACKUP SYSTEM				Press.	Wkg. Fluid							
N ₂ Cylinders		1	L= 55 "	2150	6.77gal.	x						
Other:		2	L= 55 "	2200	7.10gal.	x				x		3600
7. L=51", 2450 psi, 7.70 gal.		3	L= 55 "	2150	6.77gal.							
8. L=51", 2350 psi 7.14 gal.		4	L= 55 "	2150	6.77gal.							
		5	L= 51 "	2350	7.14gal.							
		6	L= 51 "	2350	7.14gal.							
				TOTAL: 56.53	gal.	x						
						x		2.88	10M			3600
						x		2.88	10M			3600

HOLE FLUID MONITORING EQUIPMENT				Alarm Type		Class		Hole Fluid Type		Weight	Storage Pits (Type & Size)	
				Audible	Visual					ppg		
	Calibrated Mud Pit					A		Oil base mud	13.5		130 bbl, 80 bbl mud pump	
	Pit Level Indicator					B						
	Pump Stroke Counter											
	Pit Level Recorder											
	Flow Sensor					C						
	Mud Totalizer											
	Calibrated Trip Tank											
	Other:											

REMARKS AND DEFICIENCIES:

CONTRACTOR:

Nabors

UNCORRECTABLE DEFICIENCIES:

none

DEFICIENCIES NOTED AND TO BE CORRECTED:

none

DEFICIENCIES NOTED AND CORRECTED:

none

111-0541

CEMENTING/PLUGGING MEMO

CONFIDENTIAL WELL

Operator Oxy USA Inc. Well No. DOM-001
 API No. 037-27124 Sec. 33 T. 03S R. 13W SB B&M
 Field Dominguez, County Los Angeles On 12/2/11
 Mr. / Ms. Z.Amilhussin representative of the supervisor, was present from 1000 to 1100

There were also present Jeff Thompson, Company Representative

Casing record of well: 30" cem 103'; 18 5/8" cem 333'; 13 3/8" cem 2,000'; 9 5/8" cem 8,529'; 7" cem 8181'-11,103'; 5" ld 10,994'-12,885', perfs 10,994'-12,882'. TD 12,885'. Plugged w/ cem 12,884'-10,530'

The operations were performed for the purpose of: Rework

- The plugging/cementing operations as witnessed and reported are approved.
- The location and hardness of the cement plug @ _____ are approved.

Hole size: 24 " fr. 103 ' to 335 ', 17 1/2 " to 2,000 ' & 12 1/4 " to 8529 '

Casing				Cemented			Top of Fill		Squeezed Away	Final Pressure	Perforations
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Casing/tubing recovered: _____ " Shot/cut at _____ ' , _____ ' , _____ ' , Pulled fr. _____ ' ;
 _____ " Shot/cut at _____ ' , _____ ' , _____ ' , Pulled fr. _____ ' ;
 _____ " Shot/cut at _____ ' , _____ ' , _____ ' , Pulled fr. _____ ' ;

Junk (in hole): _____
 Hole fluid (bailed to) at _____ ' . Witnessed by _____

Mudding	Date	bbls	Displaced	Poured	Fill	Engineer

K-IV 10M 11/20/11

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engineer	Depth	Wt/Sample	Date & Time	Engineer
12/1/11	277 cf	tbg@12,884'	Rpt'd by	Jeff Thompson	10,530'	10,000#	12/2/11 10:30	Z.Amilhussin

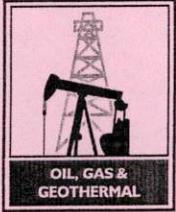
CONFIDENTIAL

CONTRACTOR: Nabors

UNCORRECTABLE DEFICIENCIES: none

DEFICIENCIES NOTED AND TO BE CORRECTED: none

DEFICIENCIES NOTED AND CORRECTED: none



NATURAL RESOURCES AGENCY OF CALIFORNIA
 DEPARTMENT OF CONSERVATION
 DIVISION OF OIL, GAS & GEOTHERMAL RESOURCES
 5816 Corporate Ave., Suite 200 Cypress, CA 90630 - 4731

No. **P 111-0823**

Old	New
208	208
FIELD CODE	
00	00
AREA CODE	
--	--
POOL CODE	

PERMIT TO CONDUCT WELL OPERATIONS

**CRITICAL WELL
 CONFIDENTIAL WELL**

Cypress, California
 December 09, 2011

Mr Chris Phillips, Agent
 Oxy USA Inc. (O2475)
 301 E. Ocean Blvd
 Long Beach, CA 90802

Your **Supplementary** proposal to **REWORK** well **DOM-001**, A.P.I. No. **037-27124**, Section **33**, T. **03S**, R. **13W**, **SB B. & M.**, **Dominguez** field, -- area, **Division C** and **Division D** pools, **Los Angeles** County, dated **12/9/2011**, received **12/9/2011** has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED:

1. No program changes are made without prior Division approval.
2. In all other respects, the operations are to be conducted in accordance with provisions outlined in Permit **P111-0688**, dated **October 19, 2011**.

NOTE:

1. This well has been granted confidential status for two years from the cessation of drilling operations on **February 4, 2011**.

Blanket Bond
 cc: Update

Engineer John Huff
 Office (714) 816-6847

JCH/jch

 Tim Kustic
 Acting State Oil and Gas Supervisor

By *M. Ali Khan*
 M. Ali Khan, Acting District Deputy

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended. Issuance of this permit does not affect the Operator's responsibility to comply with other applicable state, federal, and local laws, regulations, and ordinances.



NATURAL RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

P#111-0823

FOR DIVISION USE ONLY			
Bond	Forms		
	OGD114	OGD121	
BB	12/12/11	12/9/11	DT. 09/JH

CONFIDENTIAL WELL

SUPPLEMENTARY NOTICE

Detailed instructions can be found at: www.conservation.ca.gov/dog/

A notice to the Division of Oil, Gas, and Geothermal Resources, dated 10/14/2011, stating the intention to rework well DOM-001, API No. 037-27124, (Drill, Rework, Abandon)
Sec. 33, T. 03S, R. 13W, S.B. B.&M., Dominguez Field, Los Angeles County should be amended because of changed conditions.

The complete casing record of the well (present hole), including plugs and perforations, is as follows: (Attach wellbore schematics diagram also.)

30" 118.6# conductor cemented @ 103' (78' BGL), TOC @ surface. 18-5/8" 87.5# J-55 BTC @ 333', TOC @ surface.
13-3/8" 72# L-80 BTC @ 2000', TOC @ surface. 9-5/8" 53.5# T-95 & P-110 LTC @ 8529', TOC @ 1010'.
7" 32# P-110 BTC cemented liner @ 11103', TLH @ 8181', ETOC @ 8181'.
5" 18# P-110 BTC slotted liner @ 12883', TLH @ 10994', slotted 2" X 0.100", 16 rows, 6" o.c., 11067'-11641', 11662'-12072', 12107'-12269', 12290'-12454', 12495'-12658', 12678'-12882'. (Swell packers @ 11652', 12280'). Cement plug 12,883'-10,890'.

The total depth is: 12,885 feet. The effective depth is: 10,890 feet.

Present completion zone(s): Div. F, Basement (P&A'd) Anticipated completion zone(s): Division C/D
(Name) (Name)

Present zone pressure: 8580 psi. Anticipated/existing new zone pressure: 6090 psi.

We now propose: (A complete program is preferred and may be attached.)

Set bridge plug at 10,885'+/-. Revise completion procedure (attached).

If well is to be redrilled or deepened, show proposed coordinates (from surface location) and true vertical depth at total depth: _____ feet and _____ feet Estimated true vertical depth: _____
(Direction) (Direction)

Will the Field and/or Area change? Yes No If yes, specify New Field: _____ New Area: _____

The Division must be notified immediately of changes to the proposed operations. Failure to provide a true and accurate representation of the well and proposed operations may cause rescission of the permit.

Name of Operator Oxy USA Inc.			
Address 301 East Ocean Blvd.		City/State Long Beach, CA	Zip Code 90801
Name of Person Filing Notice Chris Phillips	Telephone Number: (562) 624-3400	Signature <i>Chris Phillips</i>	Date 12/09/2011
Individual to contact for technical questions: Jim Chaconas	Telephone Number: (805) 705-3342	E-Mail Address: jim_chaconas@oxy.com	

This notice must be filed, and approval given, before the operations begin. If operations have not commenced within one year of the Division's receipt of this supplementary notice, this notice will be considered cancelled.

REC'D DEC 09 2011

CRITICAL WELL DEFINITION

As defined in the California Code of Regulations, Title 14, Section 1720 (a), "Critical well" means a well within:

- (1) 300 feet of the following:
 - (A) Any building intended for human occupancy that is not necessary to the operation of the well; or
 - (B) Any airport runway.
- (2) 100 feet of the following:
 - (A) Any dedicated public street, highway or the nearest rail of an operating railway that is in general use;
 - (B) Any navigable body of water or watercourse perennially covered by water;
 - (C) Any public recreational facility such as a golf course, amusement park, picnic ground, campground or any other area of periodic high-density population; or
 - (D) Any officially recognized wildlife preserve.

WELL OPERATIONS REQUIRING BONDING

1. Drilling, re-drilling, or deepening any well.
2. Milling out or removing a casing or liner.
3. Running and cementing casing or tubing.
4. Running and cementing liners and inner liners.
5. Perforating casing in a previously unperforated interval for production, injection, testing, observation, or cementing purposes.
6. Drilling out any type of permanent plug.
7. Reentering an abandoned well having no bond.

This form may be printed from the DOGGR website at www.conservation.ca.gov/dog/

Oxy USA Inc.
DOM-001
Revised Plugback & Recompletion Procedure

Steps 1 through 8 are completed as of 12/8/11.

1. Move in and rig up production rig. Kill well by bullheading 13.5 ppg mud. Set 2-way check valve in tubing hanger. Remove xmas tree. Install & test 11" 10000 psi BOPE.
2. Unstring tubing. Circulate hole. Verify well is dead. POOH with tubing.
3. Run bit & scrapper to ECOD (12,883' md). Circulate and condition hole. POOH.
4. Run 2-3/8" open-ended tubing tail on 2-7/8" work string.
5. Spot balanced cement plugs from 12,883' to 10,600' in 5 stages (450'+/- each).
6. Pick up and bradenhead squeeze 6 bbls cement into the slotted liner/formation.
7. Reverse circulate tubing clean. Pick up. WOC.
8. RIH and tag TOC for DOGGR witness at or above 10,894' (100' above 5" liner top).
 - a. If TOC is below 10,894', spot additional balanced cement plug and tag for DOGGR witness.
 - b. If TOC is above 10,894', run 6" bit & 7" 32# casing scrapper and clean/drill out cement to 10,890'.

Revised completion procedure

9. Pressure test casing to 4500 psi.
10. Set bridge plug at 10885'+/-.
11. Changeover to 4% KCl brine.
12. Run packer and completion string.
13. Remove BOPE. Install and test xmas tree.
14. Install and test 10,000 psi lubricator.
15. Selectively perforate Division C/D in the following intervals:
 - a. 10570' - 10811'
 - b. 9979' - 10200'
 - c. 9240' - 9508'
16. Production test Division C/D interval.

Notes:

- *Maximum anticipated bottom hole pressure gradient in Division C/D is 0.598 psi/ft (11.5 ppg EMW) @ 9240' md (9117' tvd) and 0.570 psi/ft (11.0 ppg EMW) @ 10811' md (10681' tvd), based on wireline pressure measurements.*
- *Upon completion of the proposed work, a "Well Summary Report" and "History" will be submitted to the CDOGGR.*

12/9/2011

Well: DOM-001 Field: Dominguez - Proposed Plugback / Recompletion

Depths are measured from
H&P Rig 236 Drill Floor
@ 193.8' (25.1' AGL, GL @ 168.7')

Operator: Oxy USA Inc.
API No.: 037-27124
S 33, T3S, R 13W, SB B&M

30", 118.6#, Gr. B Welded Conductor cmt'd at 103' MD/
103' vd (78' BGL). TOC @ surface (cmt returns to surface).

18-5/8", 87.5#, J-55 BTC Structural Csg cmt'd at 333' MD/ 333'vd
in 24" hole. TOC @ surface (10 bbls cement returns).

13-3/8", 72#, L-80 BTC Surface Csg cmt'd at 2,000' MD/ 1987' vd
in 17-1/2" hole. TOC @ surface (40 bbls cement returns).
Base of Fresh Water @ 2159' md, 2139' vd.

Drilling MW: 10.0 ppg (WBM)

9-5/8", 53.5# T-95 LTC Int Csg Surf - 5,000+/- MD

8.5 ppg KCl brine,
Casing pressure tested to 4500 psi.

7" HSR II LH at 8,181'MD/
8,091'VD with ZXP Liner Top
Packer (tested to 6600 psi
1/7/11) & 10' Tieback Recepta-

Drilling MW: 10.7 ppg (WBM)

9-5/8", 53.5#, P-110 LTC Int Csg 5,000-8,529 MD
Cemented @ 8529'md, 8409' vd in 12-1/4" hole.
TOC @ 1010' (1/25/2011 USIT log)

Selectively perforated 9240'-9508', 9979'-10200',
10570'-10811'

Bridge plug @ 10,885'+/-

5" HyFlo II Liner Hngr at
10,994'+/-MD/ 10,863' VD with
ZXP Liner Top Packer (tested
to 5700 psi 1/30/11) & 20' 5.25"
P-110 Tieback Receptacle

Drilling MW: 11.5 ppg (WBM)

7", 32#, P-110 BTC Prod Liner at 11,103' MD/ 10,972' VD
Cmt'd @ 11,103' in 8.5" hole. TOC @ 8181'.

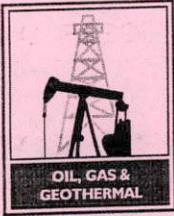
Cement Plug 12,883'-10,890'

5" x 6" Swell Packers @ 11652' & 12280' (COE)

Drilling MW: 13.5 ppg (SOBM)

5", 18#, P-110 BTC 100 mesh slotted liner at 12,883' MD in
6" hole. TD @ 12,885' MD / 12,745' VD.

JC 12/9/2011



NATURAL RESOURCES AGENCY OF CALIFORNIA
 DEPARTMENT OF CONSERVATION
 DIVISION OF OIL, GAS & GEOTHERMAL RESOURCES
 5816 Corporate Ave., Suite 200 Cypress, CA 90630 - 4731

No. P 111-0688

Old	New
208	208
FIELD CODE	
00	00
AREA CODE	
--	--
POOL CODE	

PERMIT TO CONDUCT WELL OPERATIONS
CRITICAL WELL
CONFIDENTIAL WELL

Cypress, California
 October 19, 2011

Mr Chris Phillips, Agent
 Oxy USA Inc. (O2475)
 301 E. Ocean Blvd
 Long Beach, CA 90802

Your proposal to **Rework** well **DOM-001**, A.P.I. No. **037-27124**, Section **33**, T. **03S**, R. **13W**, **SB B. & M.**, **Dominguez** field, -- area, **Division C** and **Division D** pools, **Los Angeles** County, dated **10/14/2011**, received **10/14/2011** has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED:

- Blowout prevention equipment, as defined by this Division's publication No. M07, shall be installed and maintained in operating condition and meet the following minimum requirements:
 - Class **IV10M**, on the **7"** casing.
 - A **10M lubricator** for **perforating** operations.
- Hole fluid of a quality and in sufficient quantity to control all subsurface conditions in order to prevent blowouts shall be used.
- Water shutoff effectiveness is demonstrated by a **production test** within **60** days of the well being placed on production.
- The well is plugged with cement from **12,883'** to **10,894'**.
- No program changes are made without prior Division approval.
- THIS DIVISION SHALL BE NOTIFIED TO:**
 - Witness a test of the installed blowout prevention equipment prior to commencing **downhole** operations.
 - Witness the location and hardness of the cement plug at **10,894'**.
 - Witness a test of the effectiveness of the **7"** shutoff above the **Division C** zone.

NOTE:

- A crew drill may be required at the time of the blowout prevention equipment test.
- This well has been granted confidential status for two years from the cessation of drilling operations on **February 4, 2011**.
- The base of the freshwater zone is at **2189'±**.

Blanket Bond
 cc: Update
 EDP

Engineer John Huff
 Office (714) 816-6847

AA/aa

Elena M. Miller
 State Oil and Gas Supervisor

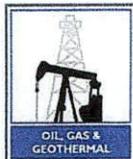
By *M. Ali Khan*
 M. Ali Khan, Acting District Deputy

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended. Issuance of this permit does not affect the Operator's responsibility to comply with other applicable state, federal, and local laws, regulations, and ordinances.

REC'D OCT 14 2

CONFIDENTIAL

54111-0688



NATURAL RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

FOR DIVISION USE ONLY			
Bond	Forms		
	OGD114	OGD121	
BB	10/15/11	10/17/11	DJ.

OG/JH.

NOTICE OF INTENTION TO REWORK / REDRILL WELL

Detailed instructions can be found at: www.conservation.ca.gov/dog/

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to rework / redrill well "DOM-001", API No. 037-27124,
(Check one)

Sec. 33, T. 3S, R. 13W, S.B. B.&M., Dominguez Field, Los Angeles County.

The complete casing record of the well (present hole), including plugs and perforations, is as follows: (Attach wellbore schematics diagram also.)

30" 118.6# conductor cemented @ 103' (78' BGL), TOC @ surface.

18-5/8" 87.5# J-55 BTC @ 333', TOC @ surface.

13-3/8" 72# L-80 BTC @ 2000', TOC @ surface

9-5/8" 53.5# T-95 & P-110 LTC @ 8529', TOC @ 1010'.

7" 32# P-110 BTC cemented liner @ 11103', TLH @ 8181', ETOC @ 8181'.

5" 18# P-110 BTC slotted liner @ 12883', TLH @ 10994', slotted 2" X 0.100", 16 rows, 6" o.c., 11067'-11641', 11662'-12072', 12107'-12269', 12290'-12454', 12495'-12658', 12678'-12882' (Swell packers @ 11652' & 12280')

The total depth is: 12,885 feet. The effective depth is: 12,883 feet.

Present completion zone(s): Division F, Basement Anticipated completion zone(s): Division C/D
(Name) (Name)

Present zone pressure: 8580 psi. Anticipated/existing new zone pressure: 6090 psi.

Is this a critical well as defined in the California Code of Regulations, Title 14, Section 1720(a) (see next page)? Yes No

For redrilling or deepening only, is a California Environmental Quality Act (CEQA) document required by a local agency?
Yes No If yes, see next page.

The proposed work is as follows: (A complete program is preferred and may be attached.)

Plug and abandon 5" slotted liner interval, and recomplete to Division C/D. See attached procedure.

Maximum anticipated bottom hole pressure gradient in Division C/D is 0.598 psi/ft (11.5 ppg EMW) @ 9240' md (9117' tvd) and 0.570 psi/ft (11.0 ppg EMW) @ 10811' md (10681' tvd), based on wireline pressure measurements.

If well is to be redrilled or deepened, show proposed coordinates (from surface location) and true vertical depth at total depth: _____ feet and _____ feet Estimated true vertical depth: _____
(Direction) (Direction)

Will the Field and/or Area change? Yes No If yes, specify New Field: _____ New Area: _____

The Division must be notified immediately of changes to the proposed operations. Failure to provide a true and accurate representation of the well and proposed operations may cause rescission of the permit.

Name of Operator

Oxy USA Inc.

Address

301 East Ocean Blvd.

City/State

Long Beach, CA

Zip Code

90801

Name of Person Filing Notice

Chris Phillips

Telephone Number:

(562) 624-3400

Signature

Chris Phillips

Date

10/14/2011

Individual to contact for technical questions:

Jim Chaconas

Telephone Number:

(805) 705-3342

E-Mail Address:

jim_chaconas@oxy.com

This notice and an indemnity or cash bond must be filed, and approval given, before the workover begins. (See the reverse side for bonding information.) If operations have not commenced within one year of the Division's receipt of the notice, this notice will be considered cancelled.

INFORMATION FOR COMPLIANCE WITH THE CALIFORNIA ENVIRONMENTAL QUALITY ACT OF 1970 (CEQA)

If an environmental document has been prepared by the lead agency, submit a copy of the **Notice of Determination** or **Notice of Exemption** with this notice. Please note that a CEQA determination by a local jurisdiction, if required, must be complete, or the Division may not issue a permit.

CRITICAL WELL DEFINITION

As defined in the California Code of Regulations, Title 14, Section 1720 (a), "Critical well" means a well within:

- (1) 300 feet of the following:
 - (A) Any building intended for human occupancy that is not necessary to the operation of the well; or
 - (B) Any airport runway.
- (2) 100 feet of the following:
 - (A) Any dedicated public street, highway or the nearest rail of an operating railway that is in general use;
 - (B) Any navigable body of water or watercourse perennially covered by water;
 - (C) Any public recreational facility such as a golf course, amusement park, picnic ground, campground or any other area of periodic high-density population; or
 - (D) Any officially recognized wildlife preserve.

WELL OPERATIONS REQUIRING BONDING

1. Drilling, re-drilling, or deepening any well.
2. Milling out or removing a casing or liner.
3. Running and cementing casing or tubing.
4. Running and cementing liners and inner liners.
5. Perforating casing in a previously unperforated interval for production, injection, testing, observation, or cementing purposes.
6. Drilling out any type of permanent plug.
7. Reentering an abandoned well having no bond.

This form may be printed from the DOGGR website at www.conservation.ca.gov/dog/

Attachment to Notice of Intention to Rework Well

Oxy USA Inc.
DOM-001
Plugback & Recompletion Procedure

1. Move in and rig up production rig. Kill well by bullheading 13.5 ppg mud. Set 2-way check valve in tubing hanger. Remove xmas tree. Install & test 11" 10000 psi BOPE.
2. Unstring tubing. Circulate hole. Verify well is dead. POOH with tubing.
3. Run bit & scrapper to ECOD (12,883' md). Circulate and condition hole. POOH.
4. Run 2-3/8" open-ended tubing tail on 2-7/8" work string.
5. Spot balanced cement plugs from 12,883' to 10,600' in 5 stages (450'+/- each).
6. Pick up and bradenhead squeeze 6 bbls cement into the slotted liner/formation.
7. Reverse circulate tubing clean. Pick up. WOC.
8. RIH and tag TOC for DOGGR witness at or above 10,894' (100' above 5" liner top).
 - a. If TOC is below 10,894', spot additional balanced cement plug and tag for DOGGR witness.
 - b. If TOC is above 10,894', run 6" bit & 7" 32# casing scrapper and clean/drill out cement to 10,875'.
9. Changeover to 11.7 ppg CaCl₂/CaBr₂ brine.
10. Selectively perforate Division C/D in the following intervals:
 - a. 10570' – 10811'
 - b. 9979' – 10200'
 - c. 9240' – 9508'
11. Run completion string and production test Division C/D interval.

Notes:

- *Maximum anticipated bottom hole pressure gradient in Division C/D is 0.598 psi/ft (11.5 ppg EMW) @ 9240' md (9117' tvd) and 0.570 psi/ft (11.0 ppg EMW) @ 10811' md (10681' tvd), based on wireline pressure measurements.*
- *Upon completion of the proposed work, a "Well Summary Report" and "History" will be submitted to the CDOGGR.*

10/14/11

Well: DOM-001 Field Dominguez - Current Condition prior to Recompletion

Depths are measured from
H&P Rig 236 Drill Floor
@ 193.8' (25.1' AGL, GL @ 168.7')

Operator: Oxy USA Inc.
API No.: 037-27124
S 33, T3S, R 13W, SB B&M

30", 118.6#, Gr. B Welded Conductor cmt'd at 103' MD/
103' vd (78' BGL). TOC @ surface (cmt returns to surface).

Tubing Hanger landed in 13-5/8" 10k B-section.
(2-piece tubing hanger w/ false bowl to allow pulling
tubing through 11" 10k BOP)

Tubinghead Adapter and 3-1/16" 10k xmas tree.

Hanger seals, tubinghead adapter connections &
master valve tested to 10,000 psi.

3-1/2" 9.3# Hyd533 pin x 2-7/8" 6.5# 8rd pin L-80 X-O

18-5/8", 87.5#, J-55 BTC Structural Csg cmt'd at 333' MD/ 333'vd
in 24" hole. TOC @ surface (10 bbls cement returns).

13-3/8", 72#, L-80 BTC Surface Csg cmt'd at 2,000' MD/ 1987' vd
in 17-1/2" hole. TOC @ surface (40 bbls cement returns).

Base of Fresh Water @ 2159' md, 2139' vd.

Drilling MW: 10.0 ppg (WBM)

2-7/8" 6.5# L-80 EUE 8rd Tubing w/ seal
assembly stabbed into 5" Liner Hanger
Tieback Receptacle.
(Annulus tested to 4000 psi 1/30/11)

9-5/8", 53.5# T-95 LTC Int Csg Surf - 5,000+/- MD

8.4 ppg Formation fluid

13.5 ppg Syn. Oil-Based Mud

7" HSR II LH at 8,181' MD/
8,091' VD with ZXP Liner Top
Packer (tested to 6600 psi
1/7/11) & 10' Tieback Recepta-

Drilling MW: 10.7 ppg (WBM)

9-5/8", 53.5#, P-110 LTC Int Csg 5,000-8,529 MD

Cemented @ 8529' md, 8409' vd in 12-1/4" hole.

TOC @ 1010' (1/25/2011 USIT log)

5" HyFlo II Liner Hngr at
10,994'+/-MD/ 10,863' VD with
ZXP Liner Top Packer (tested
to 5700 psi 1/30/11) & 20' 5.25"
P-110 Tieback Receptacle

2-7/8" X Nipple (9Cr L-80, 2.312" ID)

One (1) joint 2-7/8" 6.5# L-80 EUE Tubing

2-7/8" XN Nipple (13Cr L-80, 2.259" ID)

Drilling MW: 11.5 ppg (WBM)

7", 32#, P-110 BTC Prod Liner at 11,103' MD/ 10,972' VD

Cmt'd @ 11,103' in 8.5" hole. TOC @ 8181'.

5" x 6" Swell Packers @ 11652' & 12280' (COE)

Drilling MW: 13.5 ppg (SOBM)

5", 18#, P-110 BTC 100 mesh slotted liner at 12,883' MD in
6" hole. TD @ 12,885' MD / 12,745' VD.

Well: DOM-001 Fictitious Dominguez - Proposed Plugback / Recompletion

Depths are measured from
H&P Rig 236 Drill Floor
@ 193.8' (25.1' AGL, GL @ 168.7')

Operator: Oxy USA Inc.
API No.: 037-27124
S 33, T3S, R 13W, SB B&M

30", 118.6#, Gr. B Welded Conductor cmt'd at 103' MD/
103' vd (78' BGL). TOC @ surface (cmt returns to surface).

18-5/8", 87.5#, J-55 BTC Structural Csg cmt'd at 333' MD/ 333'vd
in 24" hole. TOC @ surface (10 bbls cement returns).

13-3/8", 72#, L-80 BTC Surface Csg cmt'd at 2,000' MD/ 1987' vd
in 17-1/2" hole. TOC @ surface (40 bbls cement returns).

Base of Fresh Water @ 2159' md, 2139' vd.

Drilling MW: 10.0 ppg (WBM)

9-5/8", 53.5# T-95 LTC Int Csg Surf - 5,000+/- MD

11.7 ppg CaCl2 brine

7" HSR II LH at 8,181' MD/
8,091' VD with ZXP Liner Top
Packer (tested to 6600 psi
1/7/11) & 10' Tieback Recepta-

Drilling MW: 10.7 ppg (WBM)

9-5/8", 53.5#, P-110 LTC Int Csg 5,000-8,529 MD
Cemented @ 8529' md, 8409' vd in 12-1/4" hole.
TOC @ 1010' (1/25/2011 USIT log)

Selectively perforated 9240'-9508', 9979'-10200',
10570'-10811'

5" HyFlo II Liner Hngr at
10,994'+/-MD/ 10,863' VD with
ZXP Liner Top Packer (tested
to 5700 psi 1/30/11) & 20' 5.25"
P-110 Tieback Receptacle

Drilling MW: 11.5 ppg (WBM)

7", 32#, P-110 BTC Prod Liner at 11,103' MD/ 10,972' VD
Cmt'd @ 11,103' in 8.5" hole. TOC @ 8181'.

Cement Plug 12,883'-10,894'

5" x 6" Swell Packers @ 11652' & 12280' (COE)

Drilling MW: 13.5 ppg (SOBM)

5", 18#, P-110 BTC 100 mesh slotted liner at 12,883' MD in
6" hole. TD @ 12,885' MD / 12,745' VD.

CHECK LIST – RECORDS RECEIVED AND WELL STATUS

Company:	Oxy Long Beach, Inc.	Well: DOM-001
API#:	037-27124	Sec. 33, T. 3S, R.13W. S. B. B. & M.
County:	Los Angeles	Field: DOMINGUEZ

RECORDS RECEIVED	DATE	STATUS
Well Summary (Form OG100)	10/14/2011 (2)	Producing <input checked="" type="checkbox"/> Drilling <input type="checkbox"/>
History (Form OG103)	10/14/2011 (2)	Abandoned <input type="checkbox"/> Idle <input type="checkbox"/>
Core Record (Form OG101)		Reabandoned <input type="checkbox"/> Other <input type="checkbox"/>
Directional Survey		
Sidewall Samples		
Date final records received.		
Electric Logs:		
Other: Survey Report	10/14/2011 (2)	
Electron Capture Spectroscopy	10/14/2011 (4)	
Formation Micro Imager	10/14/2011 (4)	
Combinable Magnetic Resonance	10/14/2011 (4)	
Express Pressure Tester	10/14/2011 (4)	
Sonic Scanner	10/14/2011 (2)	
Gamma Ray Spectroscopy	10/14/2011 (2)	
Sonic Scanner (Field Print)	10/14/2011 (2)	
Platform Express Laterlog	10/14/2011 (2)	
Dual Oil Based Mud Imager	10/14/2011 (2)	
Pressure Express Tool	10/14/2011 (2)	
Ultrasonic Borehole Imager	10/14/2011 (2)	
Rt Scanner	10/14/2011 (2)	
		WELL TYPE
		Oil <input checked="" type="checkbox"/> Waterflood <input type="checkbox"/>
		Gas <input type="checkbox"/> Water Disposal <input type="checkbox"/>
		Water Source <input type="checkbox"/> Cyclic Steam <input type="checkbox"/>
		Observation <input type="checkbox"/> Steam Flood <input type="checkbox"/>
		Exploratory <input checked="" type="checkbox"/> Fire Flood <input type="checkbox"/>
		Dry Hole <input type="checkbox"/> Other <input type="checkbox"/>
		EFFECTIVE DATE: 8-29-11
		REMARKS: Drilled footage 12,885'

ENGINEERS CHECK LIST	CLERICAL CHECK LIST
<input checked="" type="checkbox"/> Summary, History & Core Record (Dupl.)	Location change
<input checked="" type="checkbox"/> Electric Log	Elevation change
<input checked="" type="checkbox"/> Operator's Name	Form OGD121
<input checked="" type="checkbox"/> Signature	Form OGD150b (Release of Bond)
<input checked="" type="checkbox"/> Well Designation	Duplicate logs to archives
<input checked="" type="checkbox"/> Location	Notice of Records Due
<input checked="" type="checkbox"/> Elevation	EDP
<input checked="" type="checkbox"/> Notices	District Date Base
<input checked="" type="checkbox"/> "T" Reports	Final Letter (OG159)
<input checked="" type="checkbox"/> Casing Record	Update Center
<input type="checkbox"/> Plugs	
<input checked="" type="checkbox"/> Directional Survey	
<input checked="" type="checkbox"/> Production/Injection (FAP Codes: 20800/--)	
<input type="checkbox"/> E Well on Prod., enter EDP	
<input type="checkbox"/> Surface Inspection Required	FIELD CHECK LIST
<input type="checkbox"/> Surface inspection Waived (Island)	Date Surface Inspection Completed:
<input type="checkbox"/> Well site restoration deferred (common cellar)	Other:

Final Letter Required

Other:

RECORDS NOT APPROVED	RECORDS APPROVED
<i>(Reason:)</i>	<i>(Signature)</i> <i>[Handwritten Signature]</i>
	RELEASE BOND <i>10-19-11</i>
	Date Eligible
	<i>(Use date last needed records received.)</i>
	MAP AND MAP BOOK

CONFIDENTIAL WELL
F

NATURAL RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

WELL SUMMARY REPORT

API No. 04-037-27124-00

Operator OXY USA INC.	Well DOM-001	Sec. 33	T. 3S	R. 13W	B.&M. S.B.
Field (and Area, if applicable) DOMINGUEZ	County Los Angeles				

Location of well (Give surface location from property or section corner, street center line) Lambert Coordinates Zone 7 N 4 062 754.21 E 4 214 066.92 (NAD 27)	Elevation of ground above sea level: 168.71'
Lat./Long. in decimal degrees, to six decimal places, NAD 83 format: Lat 33.863524N Long: 118.243164W	

Was the well directionally drilled? Yes No If yes, show coordinates (from surface location) and true vertical depth at total depth.
N 4 064 077.19 E 4 213 884.50 (TMD 12885'/TVD, 12745')

Commenced drilling (date) November 02, 2010	(Orig hole) 12885'	Total depth	Depth measurements taken from top of: <input checked="" type="checkbox"/> Derrick Floor <input type="checkbox"/> Rotary Table <input type="checkbox"/> Kelly Bushing
Completed drilling (date) January 20, 2011			Which is 25.12' feet above ground.
Commenced production (date) August 29, 2011	Present effective depth 12882'		GEOLOGICAL MARKERS
Production mode: <input type="checkbox"/> Flowing	Junk? Describe: None		DEPTH
<input checked="" type="checkbox"/> Producing <input type="checkbox"/> Gas lift	Work Done: New Completion		AA 4058'
Name of production/injection zone(s) DIVISION F, BASEMENT			AM 4425'
			BC 4701'
			BM 4985'
			BX 5294'
			CK 6001'
			CQ 6446'
			D 6900'
			DX 8034'
			Div_E 10853'
			Div_F 11012'
			Basement 12635'
			Formation and age at total depth Meta Sedimentary Base/ Jurrassic
			Base of fresh water 2159' MD

	Clean Oil (bbl per day)	API Gravity (clean oil)	Percent Water (including emulsion)	Gas (Mcf per day)	Tubing Pressure	Casing Pressure
Initial Production	4	33.0	98.00	0.3	255	1100
Production After 30 days	SHUT-IN	--	--	--	--	--

CASING AND CEMENTING RECORD (Present Hole)

Size of Casing (Inches API)	Top of Casing	Depth of Shoe	Weight of Casing	Grade and Type of Casing	New (N) or Used (U)	Size of Hole Drilled	Number of Sacks or Cubic Feet of Cement	Depth of Cementing (if through perforations)	Top(s) of Cement in Annulus
18-5/8"	31'	333'	87.5#	J-55 seamless	N	24"	422 sacks (704 cu ft)		surface
13-3/8"	31'	2000'	72#	L-80 seamless	N	17-1/2"	1203 sacks (1999 cu ft)		surface
9-5/8"	31'	8529'	53.5#	T-95 & P-110 seamless	N	12-1/4"	1177 sacks (2649 cu ft)		1010'
7"	8181'	11103'	32#	P-110 seamless	N	8-3/4"	347 sacks (702 cu ft)		8181'
5"	10994'	12883'	18#	P-110 seamless	N	6"	Not Cemented		

PERFORATED CASING (Size, top, bottom, perforated intervals, size and spacing of perforations, and method.)
5" perforated 2" X 100 MESH, 16 ROWS, 6" Centers 11067'-11641', 11662'-12072', 12107'-12269', 12290'-12454', 12495'-12658', 12678'-12882' (Swell packers @ 11652' & 12280')

Logs/surveys run? Yes No If yes, list type(s) and depth(s) **PEX/RT/SONIC 2010'-330', TRIPLE COMBO 12885'-2010', LWD 300'-12885'**
(See attached file)

In compliance with Sec. 3215, Division 3, of the *Public Resources Code*, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Name of person filing report C. Phillips	Telephone Number (562) 624-3400	Signature <i>C. Phillips</i>	Date 10/13/2011
Address 301 E. Ocean Blvd		City/State Long Beach, CA	Zip Code 90801
Individual to contact for technical questions: Mike McCarter	Telephone Number (562) 624-3400	E-Mail Address: mike_mccarter@oxy.com	

OG100 (3/09)

SUBMIT IN DUPLICATE

REC'D OCT 21 2011

Attachment to Well Summary Report

WELL No. DOM-001
 API No. 037-27124
 Total Depth: 12885

Depth	Geological Markers
2159	BFW
4058	AA
4425	AM
4701	BC
4985	BM
5294	BX
6001	CK
6446	CQ
6900	D
8034	DX
10853	Div_E
11012	Div_F
12635	Basement

Logs and Surveys Run:

MWD/LWD Surveys

Hole Size	Top	Bottom	Comments
12-1/4"		330 2010	Underreamed to 17-1/2"
12-1/4"		2010 8508	
8-1/2"		8508 11114	
6"		11114 12885	

Note: LWD includes Resistivity and Gamma Ray

Open Hole Logs

Hole Size	Top	Bottom	Logs
12-1/4"		330 2010	PEX, Rt Scanner, Sonic Scanner
12-1/4"		2010 8508	Triple Combo (HRLT), HNGS, ECS, Sonic Scanner, FMI, CMR, XPT, Sidewall Cores
8-1/2"		8508 11114	Triple Combo (HRLT), Sonic Scanner, FMI, CMR, ECS, HNGS, XPT, Sidewall Cores
6"		11114 12885	Triple Combo (HRLT), OBMI, Dipole Sonic, XPT, UBI, Rotary Sidewall Cores

Cased Hole Logs

9-5/8" Casing	194	8181	USIT
7" Liner	8206	11113	USIT
5" Liner	11066	12883	Production Logs

REC'D OCT 14 2011

HISTORY OF OIL OR GAS WELL

Operator: OXY USA INC.
Well: DOM-001 (Western Prospect)

Field: DOMINGUEZ
Sec: 33 T: 3S R: 13W

County: LOS ANGELES
S.B.B. & M.

API#: 04-037-27124

Name: C. PHILLIPS
(Person submitting report)

Title: Agent
(President, Secretary, or Agent)

Signature: _____

Date: 10/13/2011

(Address)

(Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items such as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, and initial production data.

New Well Completion Report

Work Type	Primary Reason	Secondary Reason	Start Date	End Date
MAJOR RIG MOVE	MOVE INTO CONCESSION		10/20/2010	11/06/2010
EXPL DRILLING	ORIG DRILL DIR		10/28/2010	02/04/2011
EXPL COMPLETION	ORIG COMPI OH	PRODUCTION TESTING	08/24/2011	

11/02/2010 Midnight to Midnight

BEGAN H&P RIG #236 DRILLING OPERATIONS @ 00:00 HRS ON 11/02/2010.

11/03/2010 Midnight to Midnight

CONTINUED RIGGING UP.

11/04/2010 Midnight to Midnight

REPAIRED TOP DRIVE. SERVICED PUMPS.

11/05/2010 Midnight to Midnight

INSTALLED 30" CONDUCTOR RISER.

11/06/2010 Midnight to Midnight

CONTINUED RIGGING UP.

11/07/2010 Midnight to Midnight

CONTINUED RIGGING UP.

11/08/2010 Midnight to Midnight

RAN 24" DRILLING ASSEMBLY. LOCATED TOP OF CMT @ 71'. DRILLED OUT CMT INSIDE 30" CONDUCTOR. DRILLED OUT CMT 71'-103'. SPUDDED WELL @ 07:00 HRS ON 11/08/2010. DRILLED 24" HOLE 103'-219'.

11/09/2010 Midnight to Midnight

DRILLED 24" HOLE 219'-340' (18-5/8" CSG PT). PUMPED HIGH VISC SWEEP. RAN TO 340'. SPOTTED 100 BBL HIGH VISC PILL.

11/10/2010 Midnight to Midnight

RAN 18-5/8", 87.5#, J-55, BTC CSG @ 333' (FLOAT @ 281'). CMTD 18-5/8" CSG W/ 185 SX (305 CF) OF LEAD CMT & 238 SX (400 CF) OF TAIL CMT. HAD 10 BBLS CMT TO SURFACE. REMOVED 30" CONDUCTOR PIPE.

11/11/2010 Midnight to Midnight

CUT-OFF 18-5/8" CSG & WELDED ON 16-3/4", 2M FLANGE & 6" OUTLET. INSTALLED & 16-3/4" BOPE.

11/12/2010 Midnight to Midnight

DOGGR APPROVED DIVERTER INSTALLATION. RAN 14-3/4" CLEAN-OUT ASSEMBLY. DRILLED OUT FLOAT COLLAR @ 281', FLOAT SHOE @ 333', & CMT TO 340'. DRILLED 12-1/4" VERTICAL PILOT HOLE 340'-1070'.

HISTORY OF OIL OR GAS WELL

Operator: OXY USA INC.

Field: DOMINGUEZ

County: LOS ANGELES

Well: DOM-001 (Western Prospect)

Sec: 33

T: 3S

R: 13W

S.B.B. & M.

11/13/2010 Midnight to Midnight

DIRECTIONALLY DRILLED & MWD SURVEYED 12-1/4" PILOT HOLE 1070'-2010' (13-3/8" CSG PT). MADE WIPER TRIP TO CSG SHOE @ 340' & BACK TO BOTTOM. CIRC & COND MUD.

11/14/2010 Midnight to Midnight

RAN WIRELINE PLATFORM EXPRESS LOG W/ LATEROLOG (HRLA), SP, GR, DENSITY, NEUTRON, & RT SCANNER TOOLS STACKED W/ SONIC SCANNER TOOL 2010'-332'. OPENED 12-1/4" HOLE TO 17-1/2" 340'-760'.

11/15/2010 Midnight to Midnight

OPENED 12-1/4" HOLE TO 17-1/2" 760'-1911'.

11/16/2010 Midnight to Midnight

OPENED 12-1/4" HOLE TO 17-1/2" 1911'-2010'. CIRCULATED & CONDITIONED MUD. PUMPED HIGH VISC PILL. RAN 46 JTS OF 13-3/8", 72#, L-80, BTC CSG @ 2000' (FLOAT COLLAR @ 1913').

11/17/2010 Midnight to Midnight

CMT'D 13-3/8" CSG @ 2000' W/ 461SX (762 CF) CLASS G LEAD CMT W/ 2% BWOC SMS+2 GPHS FP-6L & 742 SX (1237 CF) OF CLASS G TAIL CMT W/ 2% BWOC SMS+2%CACL2+2 GPHS FP-6L TAIL. DISPLACED W/ 34 BBLs OF FRESH WTR.

11/18/2010 Midnight to Midnight

WELDED ON 13-5/8", 5M WELLHEAD. INSTALLED 13-5/8", 5M X 13-5/8", 10M TIE-BACK SPOOL & 13-5/8", 10M X 13-5/8", 10M SPACER SPOOL. INSTALLED BOPE, KILL LINE & CHOKE LINES. INSTALLED DESANDER, FLARE, GAS BUSTER, & SUPER CHOKE.

11/19/2010 Midnight to Midnight

TEST CSG W/ BLIND RAMS TO 1200# FOR 30 MINUTES. INSPECTED BY DOGGR. LOCATED TOP OF CMT @ 1907'. CIRCULATED & CONDITIONED MUD.

11/20/2010 Midnight to Midnight

REPLACED KILL LINE (PER DOGGR).

11/21/2010 Midnight to Midnight

PRE-TESTED KILL LINE TO 7500#. TESTED KILL LINE & NITROGEN BACKUP ON ACCUMULATOR. INSPECTED BY DOGGR. DRILLED OUT CMT, FLOAT COLLAR & SHOE 1907'-2010'. DRILLED 12-1/4" HOLE 2010'-2020'. RAN FIT TO 12.3 PPG EMW. CIRCULATED & CONDITIONED MUD.

11/22/2010 Midnight to Midnight

DIRECTIONALLY DRILLED & MWD/LWD SURVEYED 12-1/4" HOLE 2020'-2848'. MWD SURVEYS APPEARING HOT. TOOK CHECK SHOTS. DOWNLOADED MWD.

11/23/2010 Midnight to Midnight

CHANGED OUT MWD TOOL. RAN IN HOLE 490'-4828' TAKING CHECK SHOTS @ 2094', 2313', 2596' & 2755'. SAFETY REAMED 12-1/4" HOLE 2756'-2848'. DIRECTIONALLY DRILLED & MWD/LWD SURVEYED 12-1/4" HOLE 2848'-3869'.

11/24/2010 Midnight to Midnight

DIRECTIONALLY DRILLED & MWD/LWD SURVEYED 12-1/4" HOLE 3869'-4770'. WIPED HOLE. PULLED DRILLING ASSEMBLY.

11/25/2010 Midnight to Midnight

RAN 90' OF CORE BARREL TO 4670'. WASHED TO 4770'. CUT CORE #1 (5-1/4" OD) 4770'-4860' (90'). CIRCULATED HOLE. PULLED CORE PER CORELAB RECOMMENDED TRIP TIME PER STAND. PULLED TO 1500' @ 4 MIN /STAND. PULLED TO 500' @ 6 MIN /STAND.

11/26/2010 Midnight to Midnight

PULLED CORING ASSEMBLY. CORE #1-CUT 90', RECOVERED 90'=100%. RAN 12-1/4" DRILLING ASSEMBLY TO 4760'. SAFETY REAMED & LOGGED 12-1/4" HOLE 4760'-4860'. DIRECTIONALLY DRILLED & MWD/LWD SURVEYED 12-1/4" HOLE 4860'-5318'.

11/27/2010 Midnight to Midnight

DIRECTIONALLY DRILLED & MWD/LWD SURVEYED 12-1/4" HOLE 5318'-6061'. CIRCULATED POLYMER SWEEP. WIPED HOLE 6061'-4700'. RAN IN HOLE TO 6061'. PULLED 12-1/4" DRILLING ASSEMBLY.

REC'D OCT 14 2011

HISTORY OF OIL OR GAS WELL

Operator: OXY USA INC.
Well: DOM-001 (Western Prospect)

Field: DOMINGUEZ
Sec: 33 T: 3S R: 13W

County: LOS ANGELES
S.B.B. & M.

11/28/2010 Midnight to Midnight

RAN 12-1/4" CORE ASSEMBLY. REAMED 12-1/4" HOLE 3771'-3965'. WASHED & REAMED 12-1/4" HOLE 5626'-6061'. CUT CORE #2 6061'-6146' (85'). CORE BBL JAMMED. PULLED CORING ASSEMBLY.

11/29/2010 Midnight to Midnight

CORE #2 CUT 85' & RECOVERED 85' =100%. RAN 12-1/4" DRILLING ASSEMBLY. SAFETY REAMED 12-1/4" HOLE 6061'-6146'. DIRECTIONALLY DRILLED & MWD/LWD SURVEYED 12-1/4" HOLE 6146'-6459'.

11/30/2010 Midnight to Midnight

PULLED 12 1/4" DRILLING ASSEMBLY. RAN 12-1/4" CORING ASSEMBLY TO 6459'. CUT CORE #3 6459'-6550' (91')-CORING TOOL JAMMED. CIRCULATED BOTTOMS UP.

12/01/2010 Midnight to Midnight

PULLED CORING ASSEMBLY. CORE #3-CUT 91' & RECOVERED 91'= 100%). RAN 12-1/4" CORING ASSEMBLY. CUT CORE #4 6550'-6646' (96'). CORE BARREL JAMMED. CIRCULATED & CONDITIONED MUD.

12/02/2010 Midnight to Midnight

PULLED CORING ASSEMBLY. CORE #4-CUT 96' & RECOVERED 96'=100%. RAN 12-1/4" DRILLING ASSEMBLY. SAFETY REAMED & LOGGED 12-1/4" 6330'-6603'. CLEANED OUT FILL 6603'-6646'. DIRECTIONALLY DRILLED & MWD/LWD SURVEYED 12-1/4" HOLE 6646'-6880'.

12/03/2010 Midnight to Midnight

DIRECTIONALLY DRILLED & MWD/LWD SURVEYED 12-1/4" HOLE 6880'-6905'. RAN 12-1/4" CORING ASSEMBLY. WASHED DOWN 5900'-6905'. CUT CORE #5 6905'-6994' (89'). CORE BARREL JAMMED.

12/04/2010 Midnight to Midnight

PULLED CORING ASSEMBLY. CORE #5-CUT 89' & RECOVERED 89'=100%. RAN 12-1/4" DRILLING ASSEMBLY. SAFETY REAMED & LOGGED 12-1/4" HOLE 6905'-6994'. DIRECTIONALLY DRILLED & MWD/LWD SURVEYED 12-1/4" HOLE 6994'-7254'.

12/05/2010 Midnight to Midnight

DIRECTIONALLY DRILLED & MWD/LWD SURVEYED 12-1/4" HOLE 7254'-7425'. RAN CORING ASSEMBLY 7425'-7437'. RIG COMPUTER CAUSED EXCESSIVE WT ON BIT @ 7435'. ROP REDUCED F/ 12'/HR TO 3'/HR WHILE CORING 7435'-7437'.

12/06/2010 Midnight to Midnight

PULLED CORING ASSEMBLY. CORE #6-CUT 12' OF CORE, RECOVERED 11.3'). INSPECTED CORE BIT. RE-RAN CORE BIT & 12-1/4" CORING ASSEMBLY 7437'-7534' (97').

12/07/2010 Midnight to Midnight

PULLED CORING ASSEMBLY. CORE #7-CUT 99' & RECOVERED 99.7'. CORES #6 & #7-CUT 111' W/ 100% RECOVERY. RAN 12-1/4" DRILLING ASSEMBLY. SAFETY REAMED & LOGGED 12-1/4" HOLE 7200'-7536'.

12/08/2010 Midnight to Midnight

DIRECTIONALLY DRILLED & MWD/LWD SURVEYED 12-1/4" HOLE 7536'-7720'. RAN 12-1/4" CORING ASSEMBLY 7720'-7779' (59').

12/09/2010 Midnight to Midnight

PULLED CORING ASSEMBLY. CORE #8-CUT 59' & RECOVERED 59'=100%. DIRECTIONALLY DRILLED & MWD/LWD SURVEYED 12-1/4" HOLE 7779'-7867'.

12/10/2010 Midnight to Midnight

DIRECTIONALLY DRILLED & MWD/LWD SURVEYED 12-1/4" HOLE 7867'-8508' (CSG PT). MADE WIPER TRIP TO 7720'. PUMPED HIGH VISCOSITY SWEEPS.

12/11/2010 Midnight to Midnight

RAN TRIPLE-COMBO (HRLA), SP, HNGS, ECS WIRELINE LOGS 8508'-1998' ON FIRST TRIP. RAN FMI, DIPOLE SHEAR SONIC WIRELINE LOGS 8508'-1998' ON SECOND TRIP.

12/12/2010 Midnight to Midnight

RAN XPT & CMR WIRELINE LOGS 8508'-1998'. TOOK THIRTY (30) PRESSURE READINGS 3520'-8306'.

EC'D OCT 14 2011

HISTORY OF OIL OR GAS WELL

Operator: OXY USA INC.
Well: DOM-001 (Western Prospect)

Field: DOMINGUEZ
Sec: 33 T: 3S R: 13W

County: LOS ANGELES
S.B.B. & M.

12/13/2010 Midnight to Midnight

RAN SIDEWALL CORE SAMPLER TOOL. OBTAINED SIDEWALL CORES 8306'-3503'. RAN BULLNOSE CLEANOUT ASSEMBLY TO 4525'. CIRCULATED & CONDITIONED MUD.

12/14/2010 Midnight to Midnight

REAMED TIGHT HOLE 7880'-8508'. MADE WIPER TRIP TO 7720'. PUMPED HIGH VISC SWEEPS.

12/15/2010 Midnight to Midnight

RAN 130 JTS 9-5/8", 53.5#, P-110 & T-95, LTC CSG W/ FLAG JT PUPS @ 7002', 5978' & 4478'. LANDED CSG @ 8498' (FLOAT COLLAR @ 8404').

12/16/2010 Midnight to Midnight

CMT'D 9-5/8" CSG @ 8498' W/ 577 SX (1431CF) 13.6 PPG CLASS G LEAD CMT & 600 SX (1220 CF) 14.5 PPG CLASS G TAIL CMT. INSTALLED 9-5/8" PACKOFF. TESTED BOPE.

12/17/2010 Midnight to Midnight

RAN 8-1/2" DRILLING ASSEMBLY. LOCATED TOP OF CMT @ 8391' (FC @ 8403'). INCREASED MUD WT TO 10.7 PPG.

12/18/2010 Midnight to Midnight

TESTED 9-5/8" CSG TO 5325#. TESTED BOPE. INSPECTED BY DOGGR. DRILLED OUT CMT, FLOAT, CSG SHOE 8391'-8508'. DRILLED 8-1/2" HOLE 8508'-8518'. RAN FIT TO 11.7 PPG EMW. DIRECTIONALLY DRILLED & MWD/LWD SURVEYED 8-1/2" HOLE 8518'-8701'.

12/19/2010 Midnight to Midnight

DIRECTIONALLY DRILLED & MWD/LWD SURVEYED 8-1/2" HOLE 8701'-8710'. RAN 8-1/2" CORING ASSEMBLY 8710'-8731' (21').

12/20/2010 Midnight to Midnight

PULLED CORING ASSEMBLY. CORE #9-CUT 21' & RECOVERED 20'=95%. RAN 8-1/2" DRILLING ASSEMBLY. REAMED & LOGGED 8-1/2" HOLE 8710'-8731'. DIRECTIONALLY DRILLED & MWD/LWD SURVEYED 8-1/2" HOLE 8731'-8810'.

12/21/2010 Midnight to Midnight

DIRECTIONALLY DRILLED & MWD/LWD SURVEYED 8-1/2" HOLE 8810'-9373'. WIPED HOLE 9373'-8714'. PUMPED SWEEP. FOUND RUNNING SHALE & SILTSTONE. INCREASED MUD WEIGHT TO 11.1 PPG.

12/22/2010 Midnight to Midnight

SPOTTED HIGH VISC PILL 9373'-9000'. PULLED DRILLING ASSEMBLY.

12/23/2010 Midnight to Midnight

REPAIRED DRILLING RIG.

12/24/2010 Midnight to Midnight

RAN 8-1/2" CLEANOUT ASSEMBLY. SAFETY REAMED 8-1/2" HOLE 9169'-9373'. CIRCULATED & CONDITIONED MUD. INCREASED MUD WT TO 11.5 PPG.

12/25/2010 Midnight to Midnight

WIPED HOLE. WORKED TIGHT HOLE @ 9285', 9255', 9165' & 8665'. PUMPED SWEEP. CIRCULATED HOLE CLEAN. PULLED 8-1/2" CLEANOUT ASSEMBLY.

12/26/2010 Midnight to Midnight

RAN 8-1/2" CORING ASSEMBLY 9373'-9400' (27'). PULLED CORE BARREL. CORE #10-CUT 27' & RECOVERED 27'=100%.

12/27/2010 Midnight to Midnight

RAN 8-1/2" CORING ASSEMBLY TO 8498'. SAFETY WASHED 9296'-9400'. CUT CORE #11 9400'-9416' (16').

12/28/2010 Midnight to Midnight

PULLED CORING ASSEMBLY. CORE #11-CUT 16' & RECOVERED 16'=100%. RAN 8-1/2" DRILLING ASSEMBLY. SAFETY REAMED 8-1/2" HOLE 9280'-9416'. DIRECTIONALLY DRILLED & MWD/LWD SURVEYED 8-1/2" HOLE 9416'-10040'.

112

HISTORY OF OIL OR GAS WELL

Operator: OXY USA INC.
Well: DOM-001 (Western Prospect)

Field: DOMINGUEZ
Sec: 33 T: 3S R: 13W

County: LOS ANGELES
S.B.B. & M.

12/29/2010 Midnight to Midnight

DIRECTIONALLY DRILLED & MWD/LWD SURVEYED 8-1/2" HOLE 10040'-10833'.

12/30/2010 Midnight to Midnight

DIRECTIONALLY DRILLED & MWD/LWD SURVEYED 8-1/2" HOLE 10822'-11113' (7" LINER DEPTH). PUMPED SWEEP. MADE WIPER TRIP TO 9-5/8" SHOE @ 8498'. SAFETY REAMED 10984'-11113'. CIRCULATED & CONDITIONED MUD.

12/31/2010 Midnight to Midnight

RAN PLATFORM EXPRESS LOG W/ LATEROLOG, SP, GR, DEN, & NEUTRON 11113'-8498'. RAN FMI-SONIC SCANNER LOG 11113'-8498'. RAN XPT-CMR LOG 11113'-8498'.

01/01/2011 Midnight to Midnight

TOOK PRESSURE SURVEYS 11113'-8498'. RAN ECS & HNGS LOGS 11113'-8498'. RAN TWO SIDEWALL CORE GUNS. RECOVERED 36 SIDEWALL CORES OUT OF 60 SHOT = 60% RECOVERY. RAN 8-1/2" REAMING ASSEMBLY.

01/02/2011 Midnight to Midnight

REAMED TIGHT HOLE 9608'-11113'. CIRCULATED & CONDITIONED MUD. MADE WIPER TRIP TO 9-5/8" SHOE @ 8498'. RAN IN HOLE TO 11113'. CIRCULATED & CONDITIONED MUD. PULLED REAMING ASSEMBLY.

01/03/2011 Midnight to Midnight

MADE UP 7", 32#, P-110 LINER (2921') ASSEMBLY. RAN IN HOLE WITH 7" LINER. CIRCULATED BOTTOMS UP W/ 7" LINER SHOE @ 8498' (9-5/8" CSG SHOE).

01/04/2011 Midnight to Midnight

LANDED 7" LINER @ 11103' W/ TOP @ 8181'. SET LINER HGR. CMT'D 7" LINER W/ 222 SX (448 CF) CLASS G LEAD CMT & 125 SX (254 CF) CLASS G TAIL CMT.

01/05/2011 Midnight to Midnight

DRILLED OUT CMT 8150'-8181' (TOP OF 7" LINER). RAN 6" SCRAPER ASSEMBLY TO 8211'. PRESSURE TESTED 7" LINER LAP TO 1000#. APPROVED BY DOGGR. RIGGED DOWN GAS BUSTER & 5M ANNULAR PREVENTER.

01/06/2011 Midnight to Midnight

INSTALLED NEW MUD/GAS SEPARATOR & 10M ANNULAR PREVENTER.

01/07/2011 Midnight to Midnight

PRESSURE TESTED BOPE & TOP DRIVE VALVES TO 3000#. TESTED 9-5/8" CSG & 7" LINER LAP TO 6600#. TESTS WITNESSED & APPROVED BY DOGGR.

01/08/2011 Midnight to Midnight

PERFORMED NEGATIVE PRESSURE TEST ON 7" LINER LAP @ 8181'. TEST APPROVED BY DOGGR.

01/09/2011 Midnight to Midnight

RAN 6" CLEANOUT ASSEMBLY W/ JUNK BSKTS TO 10910'. CLEANED OUT 10910'-10920'. DISPLACED FLUID IN HOLE W/ 11.5 PPG SYNTHETIC OIL BASE MUD.

01/10/2011 Midnight to Midnight

CIRCULATED & CONDITIONED MUD. DRILLED OUT CMT IN 7" LINER 10192'-11032'. DRILLED OUT FLOAT COLLAR, SHOE & CMT TO 11113'. DRILLED 6" HOLE 11113'-11115'. CIRCULATED & CONDITIONED MUD.

01/11/2011 Midnight to Midnight

RECOVERED 6-8 SIDE WALL CORES IN JUNK BSKT. FOUND BIT DAMAGED. RAN REVERSE CIRCULATING JUNK BSKT. CIRCULATED INTO 7" CSG F/ 8181'.

01/12/2011 Midnight to Midnight

CLEANED OUT FILL 11000'-11115'. PULLED CLEANOUT ASSEMBLY. RAN 6" DRILLING ASSEMBLY. SAFETY REAMED 6" HOLE 11103'-11115'. DIRECTIONALLY DRILLED & MWD/LWD SURVEYED 6" HOLE 11115'-11141'.

01/13/2011 Midnight to Midnight

DIRECTIONALLY DRILLED & MWD/LWD SURVEYED 6" HOLE 11339'-11730'.

REC'D OCT 14 2011

HISTORY OF OIL OR GAS WELL

Operator: OXY USA INC.
Well: DOM-001 (Western Prospect)

Field: DOMINGUEZ
Sec: 33 T: 3S R: 13W

County: LOS ANGELES
S.B.B. & M.

01/14/2011 Midnight to Midnight

DIRECTIONALLY DRILLED & MWD/LWD SURVEYED 6" HOLE 11730'-12041'.

01/15/2011 Midnight to Midnight

DIRECTIONALLY DRILLED & MWD/LWD SURVEYED 6" HOLE 12041'-12316'. CONDITIONED MUD TO LOWER FLUID LOSS & INCREASED MUD WT TO 13.2 PPG.

01/16/2011 Midnight to Midnight

INCREASED MUD WT TO 13.4 PPG TO HOLD BACK CONNECTION GAS. PULLED DRILLING ASSEMBLY. CHANGED OUT MUD MOTOR & DRILLING BIT.

01/17/2011 Midnight to Midnight

RAN TO 11187'. CIRCULATED OUT GAS BUBBLE. INCREASED MUD WT TO 13.5 PPG. SPOT LCM PILL ON BOTTOM.

01/18/2011 Midnight to Midnight

REAMED 6" HOLE 12300'-12316'. DIRECTIONALLY DRILLED & MWD/LWD SURVEYED 6" HOLE 12316'-12527'.

01/19/2011 Midnight to Midnight

DIRECTIONALLY DRILLED & MWD/LWD SURVEYED 6" HOLE 12527'-12821'.

01/20/2011 Midnight to Midnight

DIRECTIONALLY DRILLED & MWD/LWD SURVEYED 6" HOLE 12821'-12885' TD. WIPED HOLE. WORKED TIGHT SPOTS @ 12725', 12695', & 12570'. SAFETY REAMED 12556'-12885'. PUMPED SWEEP. CIRCULATED & SPOTTED LCM.

01/21/2011 Midnight to Midnight

PULLED 6" DRILLING ASSEMBLY. RAN TRIPLE COMBO (RT SCANNER, SP & HNGS) / ECS TOOL ON LOG 11103'-12885'.

01/22/2011 Midnight to Midnight

RAN OBMI (DUAL IMAGE) / DIPOLE SHEAR SONIC TOOL ON LOGGING RUN #2, UBI / XPT TOOL ON LOGGING RUN #3. RE-RAN AIT ON LOGGING RUN #4 IN 6" HOLE 12885'-11103'. RAN USIT/GR ON LOGGING RUN #5 11103'-8181'.

01/23/2011 Midnight to Midnight

RAN USIT/GR TOOL ON LOGGING RUN #6 IN 9-5/8" CSG 8181'-SURFACE. RAN 6" BNHO CLEANOUT ASSEMBLY. CIRCULATED OUT GAS @ 11318'. SAFETY REAMED 6" HOLE 11318'-12185'. REAMED TIGHT HOLE 12186'-12370'.

01/24/2011 Midnight to Midnight

REAMED DOGLEGS & LEDGES 12370'-12885' W/ 5500-9500 FT/LB OF TORQUE. CIRCULATED & PUMPED SWEEP. SPOTTED LCM IN OPEN HOLE. PULLED/ 6" BNHO ASSEMBLY. RE-RAN UBI / XPT TOOL ON LOGGING RUN #7 12885'-11103'.

01/25/2011 Midnight to Midnight

TOOK NINE (9) PRESSURE STATIONS. RAN MSCT ROTARY SW CORING TOOL ON LOGGING RUN #9. TOOK 22 SIDEWALL CORES 12327'-11103'.

01/26/2011 Midnight to Midnight

RAN BULLNOSE REAMER ASSEMBLY. REAMED 6" HOLE 12319'-12885' TD. CIRCULATED & CONDITIONED MUD (ADDED VERSA-MOD & VG SUPREME TO REDUCE BARITE SAG).

01/27/2011 Midnight to Midnight

CIRCULATED & CONDITIONED MUD. MADE WIPER TRIP 12885'-11103'.

01/28/2011 Midnight to Midnight

RAN 43 JTS OF 5", 18#, P-110, BTC SLOTTED & BLANK LINER W/ TWO ISOLATION SWELL PKRS W/ BOTTOM OF LINER @ 12882'. TOP @ 10994'. (SWELL PKRS @ 12280' & 11652'). UNABLE TO TEST LINER TOP PKR SEAL.

01/29/2011 Midnight to Midnight

PULLED LINER RUNNING TOOL. FOUND SEALS DAMAGED. RAN TEST SEAL ASSEMBLY TO TOP OF 5" LINER @ 10994'. RAN SEAL ASSEMBLY INTO PBR @ 11000'. PRESSURE TESTED LINER TOP PKR TO 2000#.

REC'D OCT 14 2011

HISTORY OF OIL OR GAS WELL

Operator: OXY USA INC.
Well: DOM-001 (Western Prospect)

Field: DOMINGUEZ
Sec: 33 T: 3S R: 13W

County: LOS ANGELES
S.B.B. & M.

01/30/2011 Midnight to Midnight

PRESSURE TESTED LINER TOP PACKER SEAL @ 10992' TO 5700#. CIRCULATED & CONDITIONED MUD.

01/31/2011 Midnight to Midnight

RAN PRODUCTION SEAL ASSEMBLY ON 2-7/8" TBG @ 11012'. PRESSURE TESTED SEAL ASSEMBLY, ANNULUS, & 2-7/8" TBG TO 4000#.

02/01/2011 Midnight to Midnight

UNABLE TO TEST 2-7/8" TBG (BPV IN X-N MIPPLE ABOVE SEAL ASSEMBLY). INSTALLED BPV VALVE IN TBG HANGER.

02/02/2011 Midnight to Midnight

REMOVED CATCH TRAY & BELL NIPPLE. PRESSURE WASHED BOPE. REMOVED 10K ANNULAR PREVENTER.

02/03/2011 Midnight to Midnight

INSTALLED 5K ANNULAR PREVENTER. INSTALLED WELLHEAD & TESTED @ 250# LOW/ 10000# HIGH.

02/04/2011 Midnight to Midnight

RELEASED H&P RIG #236 @ 06:00 HRS ON 02/04/2011.

08/18/2011 Midnight to Midnight

INSTALLED LUBRICATOR. REMOVED BPV IN WELLHEAD HANGER. INSTALLED 2-WAY CHECK VALVE IN HANGER. INSTALLED 10K WELLHEAD.

08/24/2011 Midnight to Midnight

MOVED IN & RIGGED 1.50" CCT UNIT. TESTED SURFACE LINES.

08/25/2011 Midnight to Midnight

TESTED CCT BOPE COMPONENTS.

SHUT DOWN COIL OPERATION FOR NIGHT

08/26/2011 Midnight to Midnight

RAN 1-11/16" COMBO WASH TOOL. LOCATED SOLIDS @ 7700'. CIRCULATED DOWN TO 11015'.

08/27/2011 Midnight to Midnight

RAN 1.50' COIL W/ G-S PULLING TOOL. RECOVERED BPV FROM X-N NIPPLE. INSTALLED WASH TOOL. UNABLE TO GET PUMP RATE W/ TOOL.

08/28/2011 Midnight to Midnight

RAN JET WASH TOOL ON 1.50" COIL. WASHED 11015'-12885' TD. PUMPED 8.3 PPG SOBM @ 0.8 BPM @ 5200#. WASHED THRU SOLIDS @ 11255' & 11368'. CIRCULATED HOLE CLEAN. RIGGED DOWN CCT UNIT.

08/29/2011 Midnight to Midnight

FOUND 2900# ON TBG. FLOWED SOLIDS TO CROWN TANK. OPENED WELL TO TEST SEPARATOR @ 09:00 HRS ON 08/29/2011.

HISTORY OF OIL OR GAS WELL

Operator: OXY USA INC.
 Well: DOM-001 (Western Prospect)

Field: DOMINGUEZ
 Sec: 33 T: 3S R: 13W

County: LOS ANGELES
 S.B.B. & M.

08/30/2011 Midnight to Midnight

TESTED WELL. WELL FLOWING 283 GROSS, 19 NET OIL W/ 4.8 MCF GAS. WELL FLOWING 160 GROSS, 4.8 NET OIL W/ 0.4 MCF GAS AT END OF DAY.

08/31/2011 Midnight to Midnight

TESTED WELL. WELL FLOWING.

09/01/2011 Midnight to Midnight

TESTED WELL. WELL FLOWED 51 HRS: 13 BO, 512 BW, ONE (1) MCF.

09/16/2011 Midnight to Midnight

MOVED IN & RIGGED UP WIRELINE UNIT. ATTEMPTED TO RUN SINKER BARS. UNABLE TO GET SINKER BARS THROUGH WELLHEAD DUE TO TBG PRESSURE. RIGGED DOWN.

09/17/2011 Midnight to Midnight

RIGGED UP LUBRICATOR. ATTEMPT TO WORK SINKER BARS DOWN HOLE. LOWERED WELLHEAD PRESSURE 3100# TO 2600#. ATTEMPTED TO RUN SINKER BARS.

09/18/2011 Midnight to Midnight

RIGGED UP WIRELINE UNIT. RAN 507 LB, 2" SINKER BARS TO 12855'. RIGGED DOWN.

09/19/2011 Midnight to Midnight

MADED UP & TESTED PRODUCTION TOOLS.

09/20/2011 Midnight to Midnight

RIGGED UP WIRELINE UNIT. UNABLE TO GET TOOLS PAST WELLHEAD.

09/21/2011 Midnight to Midnight

RE-CONFIGURED TOOLS. RAN SONDEX ARRAY PRODUCTION LOGGING TOOLS. LOGGED 5' SLOTTED LINER 10863'-12886'.

New Holes

Wellbore No.	Hole Size (in)	Top MD (ft)	Btm MD (ft)	Start Date	End Date
00	24.000	103	340	11/08/2010 07:00	11/09/2010 18:00
00	17.500	340	2,010	11/13/2010 14:30	11/16/2010 04:30
00	12.250	2,010	8,508	11/21/2010 19:30	12/10/2010 14:30
00	8.500	8,508	11,113	12/18/2010 11:00	12/30/2010 09:30
00	6.000	11,113	12,885	01/10/2011 23:00	01/20/2011 10:00

New Casing/Liner Strings

Size	Assembly Name	Installed	Wellbore No	Top MD (ft)	Btm MD (ft)
18.625	STRUCTURAL CASING	11/10/2010	00	31	333
13.375	SURFACE CASING	11/16/2010	00	31	2,000
9.625	INTERMEDIATE CASING	12/15/2010	00	31	8,529
7.000	INTERMEDIATE LINER	01/04/2011	00	8,181	11,103
5.000	SCREEN / SLOTTED LINER	01/30/2011	00	10,994	12,883

REC'D OCT 14 2011

HISTORY OF OIL OR GAS WELL

Operator: OXY LA BASIN
 Well: DOM-001 (Western Prospect)

Field: DOMINGUEZ
 Sec: 33 T: 3S R: 13W

County: LOS ANGELES
 S.B.B. & M.

Logs/surveys run? Yes No If yes, list type(s) and depth(s)

Log Date	Wellbore No.	Top MD (ft)	Btm MD (ft)	Distance Logged (ft)	Logging Tools
11/14/2010	00	332	2,010	1,678	SP-PLATEXP-SONIC-CDL-CNL-LL-GR-AIT
12/11/2010	00	1,998	8,508	6,510	TC
12/11/2010	00	1,998	8,508	6,510	DPSONIC-FMI
12/12/2010	00	1,998	8,508	6,510	RFT-MRIL
12/13/2010	00	1,998	8,505	6,507	SCG
12/31/2010	00	8,498	11,113	2,615	MCFL-CNL-GR-SP-PLATEXP-CDL-LL
12/31/2010	00	8,498	11,131	2,633	NGST-RCI
12/31/2010	00	8,498	11,113	2,615	FMI-SONIC
12/31/2010	00	8,498	11,113	2,615	RFT-MRIL
01/01/2011	00	8,525	9,846	1,321	SCG
01/01/2011	00	9,866	11,113	1,247	SCG
01/21/2011	00	11,103	12,885	1,782	PLATEXP-AIT-GR-DL-NEUT
01/22/2011	00	11,103	12,885	1,782	DPNL
01/22/2011	00	11,103	12,885	1,782	URS
01/22/2011	00	11,103	12,885	1,782	USIT
01/22/2011	00	8,181	11,103	2,922	USIT
01/23/2011	00	33	8,181	8,149	URS
01/24/2011	00	11,103	12,885	1,782	USIT
01/25/2011	00	8,181	11,103	2,922	USIT
01/25/2011	00	1,782	8,181	6,399	RFT

Well: DOM-001 Id: Dominguez - Current Wellbore Condition

Depths are measured from
H&P Rig 236 Drill Floor
@ 193.8' (25.1' AGL, GL @ 168.7')

Operator: Oxy USA Inc.
API No.: 037-27124
S 33, T3S, R 13W, SB B&M

30", 118.6#, Welded Conductor cmt'd at 100' MD/ 100' vd.
TOC @ surface (cement returns to surface).

Tubing Hanger landed in 13-5/8" 10k B-section.
(2-piece tubing hanger w/ false bowl to allow pulling
tubing through 11" 10k BOP)
Tubinghead Adapter and 3-1/16" 10k xmas tree.
Hanger seals, tubinghead adapter connections &
master valve tested to 10,000 psi.

3-1/2" 9.3# Hyd533 pin x 2-7/8" 6.5# 8rd pin L-80 X-O
18-5/8", 87.5#, J-55 BTC Structural Csg cmt'd at 333' MD/
333'vd in 24" hole. TOC @ surface (10 bbls cement returns).
13-3/8", 72#, L-80 BTC Surface Csg cmt'd at 2,000' MD/ 1987' vd
in 17-1/2" hole. TOC @ surface (40 bbls cement returns).
Base of Fresh Water @ 2159' md, 2139' vd.

Drilling MW: 10.0 ppg (WBM)

2-7/8" 6.5# L-80 EUE 8rd Tubing w/ seal
assembly stabbed into 5" Liner Hanger
Tieback Receptacle.
(Annulus tested to 4000 psi 1/30/11)

9-5/8", 53.5# T-95 LTC Int Csg Surf - 5,000+/- MD

13.5 ppg Syn. Oil-Based Mud

7" HSR II LH at 8,181' MD/
8,091' VD with ZXP Liner Top
Packer (tested to 6600 psi
1/7/11) & 10' Tieback Recepta-

Drilling MW: 10.7 ppg (WBM)
9-5/8", 53.5#, P-110 LTC Int Csg 5,000-8,529 MD
Cemented @ 8529' md, 8409' vd in 12-1/4" hole.
TOC @ 1010' (1/25/2011 USIT log)

5" HyFlo II Liner Hngr at
10,994'+/-MD/ 10,863' VD with
ZXP Liner Top Packer (tested
to 5700 psi 1/30/11) & 20' 5.25"
P-110 Tieback Receptacle

2-7/8" X Nipple (9Cr L-80, 2.312" ID)
One (1) joint 2-7/8" 6.5# L-80 EUE Tubing
2-7/8" XN Nipple (13Cr L-80, 2.259" ID)

Drilling MW: 11.5 ppg (WBM)
7", 32#, P-110 BTC Prod Liner at 11,103' MD/ 10,972' VD
Cmt'd @ 11,103' in 8.5" hole. TOC @ 8181'.

5" x 6" Swell Packers @ 11652' & 12280' (COE)

Drilling MW: 13.5 ppg (SOBM)

5", 18#, P-110 BTC 100 mesh slotted liner at 12,883' MD in
6" hole. TD @ 12,885' MD / 12,745' VD.

☉ CHARLES WILLARD ST.

DOM 002	DOM 002
NAD 83/NGVD 29	NAD 83
N:1,772,814.9583	LAT: N 33° 51' 48.77803"
E:6,487,577.3668	LONG: W 118° 14' 38.54358"
RIG 236 DRILL FLOOR ELEV: 193.81	
PAD ELEV: 168.72	
DOM 002	DOM 002
NAD 27/NGVD 29	NAD 27
N:4,062,757.0953	LAT: N 33° 51' 48.71700"
E:4,214,075.9996	LONG: W 118° 14' 35.28448"
RIG 236 DRILL FLOOR ELEV: 193.81	
PAD ELEV: 168.72	

DOM 001	DOM 001
NAD 83/NGVD 29	NAD 83
N:1,772,811.8019	LAT: N 33° 51' 48.74955"
E:6,487,568.2787	LONG: W 118° 14' 38.65126"
RIG 236 DRILL FLOOR ELEV: 193.80	
PAD ELEV: 168.71	
DOM 001	DOM 001
NAD 27/NGVD 29	NAD 27
N:4,062,754.2087	LAT: N 33° 51' 48.68852"
E:4,214,066.9211	LONG: W 118° 14' 35.39217"
RIG 236 DRILL FLOOR ELEV: 193.80	
PAD ELEV: 168.71	

EXISTING CATCH BASIN
TG=170.38
INV.=165.60

EXISTING STORM DRAIN
MANHOLE

CONTAINMENT
WALL

EXISTING
UNDERGROUND
2' STORM DRAIN

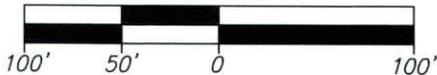
CONTAINMENT
WALL

EXISTING CATCH BASIN
TG=162.49
INV.=157.69

EXISTING CATCH BASIN
TG=165.35
INV.=163.23



SCALE: 1" = 100'



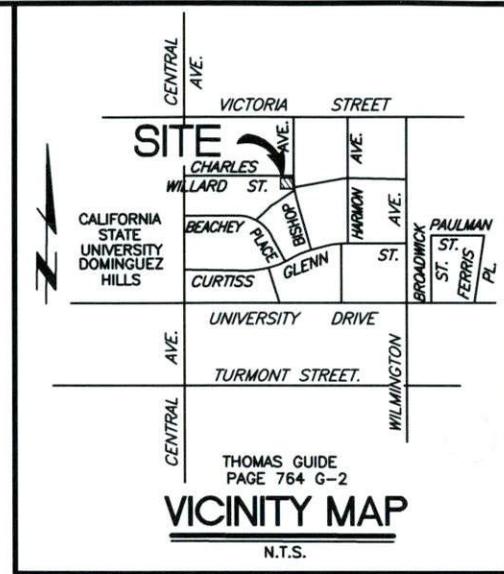
EXISTING CHAINLINK
FENCE
524.0'

533.6'

EXISTING CHAINLINK
FENCE

CONTAINMENT
WALL

☉ BISHOP AVE.



DATE: 4-14-2011

OXY USA INC.



JONES, CAHL & ASSOCIATES

CONSULTING ENGINEERS

18090 Beach Boulevard · Huntington Beach
California 92648 · (714) 848-0566

**WELLS
DOM-001 AND DOM-002
DRILL SITE PLAT
DOMINGUEZ OIL FIELD**

CARSON CALIFORNIA

DWG. NO. 10-1901	SHEET NO. 1 OF 1	REV.
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LEGEND

- LEASE LINE
- CENTERLINE
- FINAL WELL LOCATION

REC'D OCT 14 2011

CONFIDENTIAL
WELL

OXY USA LA BASIN

DOMINGUEZ

REYES LANDS LEASE

DOM-001 (Western Prospect) - Slot Slot D

DOM-001 (Western Prospect)

ORIG HOLE

Design: Actual

Survey Report - Geographic

13 October, 2011

RECD OCT 14 2011

OXY

Survey Report - Geographic

Company:	OXY USA LA BASIN	Local Co-ordinate Reference:	Well DOM-001 (Western Prospect) - Slot Slot D
Project:	DOMINGUEZ	TVD Reference:	H&P 236 @ 194.1ft (RF Elev: 25.12', GL: 168.97')
Site:	REYES LANDS LEASE	MD Reference:	H&P 236 @ 194.1ft (RF Elev: 25.12', GL: 168.97')
Well:	DOM-001 (Western Prospect)	North Reference:	Grid
Wellbore:	ORIG HOLE	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	LGPSPP

Project	DOMINGUEZ, NORTH AMERICA, DOMINGUEZ		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	MEAN SEA LEVEL
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	California VII 407		

Site	REYES LANDS LEASE				
Site Position:		Northing:	4,062,745.00 uss	Latitude:	33° 51' 48.600 N
From:	Map	Easting:	4,213,783.00 uss	Longitude:	118° 14' 38.759 W
Position Uncertainty:	0.0 ft	Slot Radius:	0.000 in	Grid Convergence:	0.05 °

Well	DOM-001 (Western Prospect) - Slot Slot D					
Well Position	+N/-S	0.0 ft	Northing:	4,062,754.21 uss	Latitude:	33° 51' 48.688 N
	+E/-W	0.0 ft	Easting:	4,214,066.92 uss	Longitude:	118° 14' 35.392 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	164.3 ft	Ground Level:	169.0 ft

Wellbore	ORIG HOLE				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	User Defined	11/4/2010	12.61	58.73	47,451

Design	Actual				
Audit Notes:					
Version:	Phase:	ACTUAL	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	350.20	

Survey Program	Date	10/13/2011			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
50.0	12,885.0	Survey #1 (ORIG HOLE)	MWD - LongNM		

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (uss ft)	Map Easting (uss ft)	Latitude	Longitude	
0.0	0.00	0.00	0.0	0.0	0.0	4,062,754.21	4,214,066.92	33° 51' 48.688 N	118° 14' 35.392 W	
1.4	0.01	54.53	1.4	0.0	0.0	4,062,754.21	4,214,066.92	33° 51' 48.688 N	118° 14' 35.392 W	
Reyes N of plan Lease										
50.0	0.24	54.53	50.0	0.1	0.1	4,062,754.27	4,214,067.01	33° 51' 48.689 N	118° 14' 35.391 W	
100.0	0.25	107.24	100.0	0.1	0.3	4,062,754.30	4,214,067.20	33° 51' 48.689 N	118° 14' 35.389 W	
153.0	0.32	69.47	153.0	0.1	0.5	4,062,754.32	4,214,067.45	33° 51' 48.690 N	118° 14' 35.386 W	
200.0	0.49	140.33	200.0	0.0	0.8	4,062,754.21	4,214,067.70	33° 51' 48.688 N	118° 14' 35.383 W	
332.8	0.25	142.64	332.8	-0.7	1.3	4,062,753.54	4,214,068.24	33° 51' 48.682 N	118° 14' 35.377 W	
STRUCTURAL CASING										
360.0	0.20	143.80	360.0	-0.8	1.4	4,062,753.46	4,214,068.30	33° 51' 48.681 N	118° 14' 35.376 W	

OXY
Survey Report - Geographic

Company:	OXY USA LA BASIN	Local Co-ordinate Reference:	Well DOM-001 (Western Prospect) - Slot Slot D
Project:	DOMINGUEZ	TVD Reference:	H&P 236 @ 194.1ft (RF Elev: 25.12', GL: 168.97')
Site:	REYES LANDS LEASE	MD Reference:	H&P 236 @ 194.1ft (RF Elev: 25.12', GL: 168.97')
Well:	DOM-001 (Western Prospect)	North Reference:	Grid
Wellbore:	ORIG HOLE	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	LGPSP

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (uss ft)	Map Easting (uss ft)	Latitude	Longitude
422.0	0.30	53.30	422.0	-0.7	1.6	4,062,753.47	4,214,068.49	33° 51' 48.681 N	118° 14' 35.374 W
515.0	0.40	102.80	515.0	-0.7	2.1	4,062,753.54	4,214,069.01	33° 51' 48.682 N	118° 14' 35.367 W
609.0	0.30	80.50	609.0	-0.7	2.6	4,062,753.51	4,214,069.57	33° 51' 48.681 N	118° 14' 35.361 W
704.0	0.60	81.60	704.0	-0.6	3.4	4,062,753.62	4,214,070.31	33° 51' 48.683 N	118° 14' 35.352 W
798.0	0.60	81.20	798.0	-0.4	4.4	4,062,753.77	4,214,071.28	33° 51' 48.684 N	118° 14' 35.341 W
892.0	0.40	145.80	892.0	-0.6	5.0	4,062,753.57	4,214,071.95	33° 51' 48.682 N	118° 14' 35.333 W
987.0	0.30	139.00	987.0	-1.1	5.4	4,062,753.11	4,214,072.30	33° 51' 48.678 N	118° 14' 35.328 W
1,050.0	0.00	272.80	1,050.0	-1.2	5.5	4,062,752.99	4,214,072.41	33° 51' 48.676 N	118° 14' 35.327 W
1,113.0	0.70	290.70	1,113.0	-1.1	5.1	4,062,753.12	4,214,072.05	33° 51' 48.678 N	118° 14' 35.331 W
1,175.0	1.20	300.10	1,175.0	-0.6	4.2	4,062,753.58	4,214,071.13	33° 51' 48.682 N	118° 14' 35.342 W
1,239.0	1.90	303.10	1,239.9	0.3	2.7	4,062,754.50	4,214,069.66	33° 51' 48.691 N	118° 14' 35.360 W
1,302.0	2.80	305.30	1,301.9	1.7	0.6	4,062,755.96	4,214,067.53	33° 51' 48.706 N	118° 14' 35.385 W
1,364.0	3.60	303.10	1,363.8	3.7	-2.3	4,062,757.90	4,214,064.67	33° 51' 48.725 N	118° 14' 35.419 W
1,427.0	5.20	302.30	1,426.6	6.3	-6.3	4,062,760.50	4,214,060.60	33° 51' 48.751 N	118° 14' 35.467 W
1,490.0	6.40	302.00	1,489.3	9.7	-11.7	4,062,763.89	4,214,055.21	33° 51' 48.784 N	118° 14' 35.531 W
1,522.0	7.10	300.50	1,521.1	11.6	-14.9	4,062,765.84	4,214,051.99	33° 51' 48.804 N	118° 14' 35.569 W
1,553.0	7.50	300.40	1,551.8	13.6	-18.3	4,062,767.83	4,214,048.59	33° 51' 48.823 N	118° 14' 35.609 W
1,585.0	8.10	300.50	1,583.5	15.8	-22.1	4,062,770.03	4,214,044.85	33° 51' 48.845 N	118° 14' 35.654 W
1,616.0	8.70	301.60	1,614.2	18.2	-26.0	4,062,772.37	4,214,040.97	33° 51' 48.868 N	118° 14' 35.700 W
1,648.0	9.40	302.20	1,645.8	20.8	-30.2	4,062,775.03	4,214,036.70	33° 51' 48.895 N	118° 14' 35.750 W
1,679.0	10.20	302.50	1,676.3	23.6	-34.7	4,062,777.85	4,214,032.24	33° 51' 48.923 N	118° 14' 35.803 W
1,711.0	11.00	302.70	1,707.8	26.8	-39.6	4,062,781.03	4,214,027.28	33° 51' 48.954 N	118° 14' 35.862 W
1,742.0	11.60	304.10	1,738.2	30.2	-44.7	4,062,784.37	4,214,022.21	33° 51' 48.987 N	118° 14' 35.922 W
1,774.0	12.40	303.40	1,769.5	33.9	-50.2	4,062,788.07	4,214,016.68	33° 51' 49.024 N	118° 14' 35.988 W
1,838.0	14.20	303.90	1,831.8	42.0	-62.5	4,062,796.23	4,214,004.43	33° 51' 49.105 N	118° 14' 36.133 W
1,902.0	16.00	303.40	1,893.6	51.3	-76.4	4,062,805.46	4,213,990.55	33° 51' 49.196 N	118° 14' 36.297 W
1,943.0	16.20	303.00	1,932.9	57.5	-85.9	4,062,811.69	4,213,981.03	33° 51' 49.258 N	118° 14' 36.410 W
1,999.7	16.91	303.53	1,987.3	66.3	-99.4	4,062,820.55	4,213,967.53	33° 51' 49.346 N	118° 14' 36.570 W
SURFACE CASING									
2,031.0	17.30	303.80	2,017.2	71.4	-107.1	4,062,825.65	4,213,959.86	33° 51' 49.396 N	118° 14' 36.661 W
2,124.0	17.90	304.00	2,105.9	87.1	-130.4	4,062,841.34	4,213,936.52	33° 51' 49.552 N	118° 14' 36.938 W
2,159.0	17.79	304.15	2,139.2	93.1	-139.3	4,062,847.35	4,213,927.64	33° 51' 49.611 N	118° 14' 37.043 W
BFW									
2,218.0	17.60	304.40	2,195.4	103.2	-154.1	4,062,857.44	4,213,912.82	33° 51' 49.711 N	118° 14' 37.218 W
2,313.0	17.40	304.30	2,286.0	119.4	-177.7	4,062,873.56	4,213,889.24	33° 51' 49.871 N	118° 14' 37.498 W
2,453.0	17.00	305.10	2,419.7	142.9	-211.7	4,062,897.13	4,213,855.20	33° 51' 50.104 N	118° 14' 37.901 W
2,596.0	16.60	304.70	2,556.6	166.6	-245.6	4,062,920.77	4,213,821.30	33° 51' 50.338 N	118° 14' 38.303 W
2,691.0	16.50	304.80	2,647.7	182.0	-267.9	4,062,936.20	4,213,799.07	33° 51' 50.491 N	118° 14' 38.567 W
2,786.0	16.20	305.20	2,738.8	197.3	-289.8	4,062,951.54	4,213,777.16	33° 51' 50.643 N	118° 14' 38.826 W
2,880.0	15.70	306.20	2,829.2	212.4	-310.7	4,062,966.61	4,213,756.18	33° 51' 50.792 N	118° 14' 39.075 W
2,975.0	16.50	305.40	2,920.5	227.8	-332.1	4,062,982.01	4,213,734.81	33° 51' 50.945 N	118° 14' 39.328 W
3,070.0	16.70	302.60	3,011.5	243.0	-354.6	4,062,997.18	4,213,712.32	33° 51' 51.095 N	118° 14' 39.595 W
3,165.0	16.30	302.20	3,102.6	257.4	-377.4	4,063,011.64	4,213,689.54	33° 51' 51.238 N	118° 14' 39.865 W
3,259.0	16.10	302.20	3,192.9	271.4	-399.6	4,063,025.61	4,213,667.34	33° 51' 51.377 N	118° 14' 40.128 W
3,322.0	15.60	303.90	3,253.5	280.8	-414.0	4,063,034.99	4,213,652.92	33° 51' 51.470 N	118° 14' 40.299 W
3,385.0	14.20	308.70	3,314.4	290.3	-427.1	4,063,044.55	4,213,639.86	33° 51' 51.564 N	118° 14' 40.453 W
3,448.0	13.20	311.50	3,375.6	299.9	-438.5	4,063,054.15	4,213,628.44	33° 51' 51.660 N	118° 14' 40.589 W
3,511.0	12.10	316.80	3,437.1	309.5	-448.4	4,063,063.73	4,213,618.53	33° 51' 51.754 N	118° 14' 40.706 W
3,574.0	11.50	321.60	3,498.7	319.3	-456.8	4,063,073.46	4,213,610.11	33° 51' 51.851 N	118° 14' 40.806 W
3,637.0	11.10	325.10	3,560.5	329.1	-464.2	4,063,083.36	4,213,602.74	33° 51' 51.949 N	118° 14' 40.893 W
3,700.0	10.60	330.30	3,622.4	339.2	-470.5	4,063,093.37	4,213,596.40	33° 51' 52.048 N	118° 14' 40.968 W
3,763.0	9.90	336.80	3,684.4	349.2	-475.5	4,063,103.38	4,213,591.39	33° 51' 52.147 N	118° 14' 41.027 W
3,826.0	8.80	342.60	3,746.5	358.7	-479.1	4,063,112.96	4,213,587.82	33° 51' 52.242 N	118° 14' 41.070 W



OXY

Survey Report - Geographic

Company:	OXY USA LA BASIN	Local Co-ordinate Reference:	Well DOM-001 (Western Prospect) - Slot Slot D
Project:	DOMINGUEZ	TVD Reference:	H&P 236 @ 194.1ft (RF Elev: 25.12', GL: 168.97')
Site:	REYES LANDS LEASE	MD Reference:	H&P 236 @ 194.1ft (RF Elev: 25.12', GL: 168.97')
Well:	DOM-001 (Western Prospect)	North Reference:	Grid
Wellbore:	ORIG HOLE	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	LGPSP

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (uss ft)	Map Easting (uss ft)	Latitude	Longitude	
3,889.0	8.10	352.50	3,808.9	367.7	-481.1	4,063,121.95	4,213,585.80	33° 51' 52.331 N	118° 14' 41.094 W	
3,952.0	7.60	3.20	3,871.3	376.3	-481.5	4,063,130.52	4,213,585.45	33° 51' 52.415 N	118° 14' 41.098 W	
4,015.0	7.60	9.00	3,933.7	384.6	-480.6	4,063,138.79	4,213,586.34	33° 51' 52.497 N	118° 14' 41.087 W	
4,025.3	7.60	9.23	3,944.0	385.9	-480.4	4,063,140.14	4,213,586.55	33° 51' 52.511 N	118° 14' 41.085 W	
DOM_001 T1 6-11-10 Rev1										
4,031.0	7.60	9.36	3,949.6	386.7	-480.3	4,063,140.88	4,213,586.67	33° 51' 52.518 N	118° 14' 41.083 W	
DOM_001 T1 6-11-10 Rev										
4,058.8	7.60	9.98	3,977.2	390.3	-479.6	4,063,144.51	4,213,587.29	33° 51' 52.554 N	118° 14' 41.076 W	
DOM_001 T1 10-18-10										
4,109.0	7.60	11.10	4,026.9	396.8	-478.4	4,063,151.03	4,213,588.50	33° 51' 52.618 N	118° 14' 41.061 W	
4,204.0	7.50	12.30	4,121.1	409.0	-475.9	4,063,163.25	4,213,591.03	33° 51' 52.739 N	118° 14' 41.031 W	
4,299.0	7.50	13.16	4,215.3	421.1	-473.2	4,063,175.35	4,213,593.77	33° 51' 52.859 N	118° 14' 40.999 W	
4,393.0	7.60	13.20	4,308.4	433.2	-470.3	4,063,187.37	4,213,596.58	33° 51' 52.978 N	118° 14' 40.965 W	
4,488.0	7.60	12.70	4,402.6	445.4	-467.5	4,063,199.62	4,213,599.40	33° 51' 53.099 N	118° 14' 40.932 W	
4,582.0	7.60	13.50	4,495.8	457.5	-464.7	4,063,211.72	4,213,602.22	33° 51' 53.219 N	118° 14' 40.898 W	
4,677.0	7.50	14.50	4,590.0	469.6	-461.7	4,063,223.84	4,213,605.23	33° 51' 53.338 N	118° 14' 40.862 W	
4,705.0	7.50	14.20	4,617.7	473.2	-460.8	4,063,227.38	4,213,606.14	33° 51' 53.373 N	118° 14' 40.851 W	
4,771.0	7.50	14.50	4,683.2	481.5	-458.6	4,063,235.72	4,213,608.28	33° 51' 53.456 N	118° 14' 40.826 W	
4,773.3	7.50	14.50	4,685.4	481.8	-458.6	4,063,236.01	4,213,608.35	33° 51' 53.459 N	118° 14' 40.825 W	
Western - BM										
4,866.0	7.60	14.70	4,777.3	493.6	-455.5	4,063,247.80	4,213,611.42	33° 51' 53.575 N	118° 14' 40.788 W	
4,960.0	7.50	16.30	4,870.5	505.5	-452.2	4,063,259.70	4,213,614.72	33° 51' 53.693 N	118° 14' 40.749 W	
5,055.0	7.40	16.70	4,964.7	517.3	-448.7	4,063,271.51	4,213,618.22	33° 51' 53.810 N	118° 14' 40.708 W	
5,150.0	7.30	17.10	5,058.9	528.9	-445.2	4,063,283.14	4,213,621.75	33° 51' 53.925 N	118° 14' 40.666 W	
5,244.0	7.30	18.30	5,152.2	540.3	-441.5	4,063,294.52	4,213,625.38	33° 51' 54.037 N	118° 14' 40.622 W	
5,339.0	7.90	17.00	5,246.3	552.3	-437.7	4,063,306.49	4,213,629.19	33° 51' 54.156 N	118° 14' 40.577 W	
5,434.0	8.10	15.40	5,340.4	565.0	-434.1	4,063,319.19	4,213,632.87	33° 51' 54.281 N	118° 14' 40.533 W	
5,528.0	8.20	15.80	5,433.5	577.8	-430.5	4,063,332.02	4,213,636.46	33° 51' 54.408 N	118° 14' 40.491 W	
5,623.0	8.10	15.80	5,527.5	590.8	-426.8	4,063,344.98	4,213,640.12	33° 51' 54.537 N	118° 14' 40.447 W	
5,717.0	8.00	16.90	5,620.6	603.4	-423.1	4,063,357.61	4,213,643.83	33° 51' 54.662 N	118° 14' 40.403 W	
5,812.0	8.00	17.40	5,714.7	616.0	-419.2	4,063,370.25	4,213,647.73	33° 51' 54.786 N	118° 14' 40.357 W	
5,907.0	7.10	13.60	5,808.8	628.1	-415.8	4,063,382.26	4,213,651.08	33° 51' 54.905 N	118° 14' 40.317 W	
5,990.0	6.90	13.60	5,891.2	637.9	-413.5	4,063,392.09	4,213,653.46	33° 51' 55.003 N	118° 14' 40.288 W	
6,095.0	7.20	15.00	5,995.4	650.4	-410.3	4,063,404.58	4,213,656.65	33° 51' 55.126 N	118° 14' 40.251 W	
6,190.0	7.20	15.70	6,089.7	661.9	-407.1	4,063,416.06	4,213,659.80	33° 51' 55.240 N	118° 14' 40.213 W	
6,284.0	7.50	15.80	6,182.9	673.4	-403.9	4,063,427.64	4,213,663.06	33° 51' 55.354 N	118° 14' 40.174 W	
6,378.0	7.60	17.40	6,276.1	685.3	-400.3	4,063,439.47	4,213,666.59	33° 51' 55.471 N	118° 14' 40.132 W	
6,473.0	7.80	17.10	6,370.2	697.4	-396.6	4,063,451.63	4,213,670.37	33° 51' 55.591 N	118° 14' 40.087 W	
6,568.0	7.80	17.80	6,464.3	709.7	-392.7	4,063,463.93	4,213,674.23	33° 51' 55.713 N	118° 14' 40.041 W	
6,662.0	7.90	18.30	6,557.5	721.9	-388.7	4,063,476.13	4,213,678.21	33° 51' 55.834 N	118° 14' 39.994 W	
6,757.0	7.50	15.00	6,651.6	734.1	-385.1	4,063,488.32	4,213,681.87	33° 51' 55.954 N	118° 14' 39.951 W	
6,851.0	7.50	14.00	6,744.8	746.0	-382.0	4,063,500.20	4,213,684.94	33° 51' 56.072 N	118° 14' 39.914 W	
6,946.0	7.50	15.10	6,839.0	758.0	-378.9	4,063,512.20	4,213,688.05	33° 51' 56.190 N	118° 14' 39.877 W	
7,040.0	7.60	15.40	6,932.2	769.9	-375.6	4,063,524.12	4,213,691.30	33° 51' 56.308 N	118° 14' 39.838 W	
7,135.0	7.70	16.00	7,026.3	782.1	-372.2	4,063,536.29	4,213,694.72	33° 51' 56.429 N	118° 14' 39.798 W	
7,223.5	7.70	16.84	7,114.0	793.4	-368.9	4,063,547.66	4,213,698.07	33° 51' 56.541 N	118° 14' 39.758 W	
DOM_001 T2 6-11-10 rev										
7,230.0	7.70	16.90	7,120.5	794.3	-368.6	4,063,548.50	4,213,698.33	33° 51' 56.549 N	118° 14' 39.755 W	
7,262.9	7.70	17.77	7,153.1	798.5	-367.3	4,063,552.70	4,213,699.64	33° 51' 56.591 N	118° 14' 39.739 W	
DOM_001 T2 6-11-10 rev1										
7,324.0	7.70	19.40	7,213.6	806.3	-364.7	4,063,560.46	4,213,702.25	33° 51' 56.668 N	118° 14' 39.708 W	
7,512.0	7.80	15.20	7,399.9	830.4	-357.1	4,063,584.65	4,213,709.78	33° 51' 56.907 N	118° 14' 39.619 W	

OXY

Survey Report - Geographic

Company:	OXY USA LA BASIN	Local Co-ordinate Reference:	Well DOM-001 (Western Prospect) - Slot Slot D
Project:	DOMINGUEZ	TVD Reference:	H&P 236 @ 194.1ft (RF Elev: 25.12', GL: 168.97')
Site:	REYES LANDS LEASE	MD Reference:	H&P 236 @ 194.1ft (RF Elev: 25.12', GL: 168.97')
Well:	DOM-001 (Western Prospect)	North Reference:	Grid
Wellbore:	ORIG HOLE	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	LGPSP

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (uss ft)	Map Easting (uss ft)	Latitude	Longitude
7,605.0	7.70	16.30	7,492.1	842.5	-353.7	4,063,596.72	4,213,713.18	33° 51' 57.026 N	118° 14' 39.578 W
7,699.0	7.50	17.40	7,585.2	854.4	-350.1	4,063,608.62	4,213,716.78	33° 51' 57.144 N	118° 14' 39.535 W
7,799.0	7.50	13.00	7,684.4	867.0	-346.7	4,063,621.21	4,213,720.20	33° 51' 57.269 N	118° 14' 39.495 W
7,894.0	7.60	12.30	7,778.6	879.2	-344.0	4,063,633.39	4,213,722.94	33° 51' 57.389 N	118° 14' 39.462 W
7,989.0	7.40	13.00	7,872.7	891.3	-341.3	4,063,645.49	4,213,725.65	33° 51' 57.509 N	118° 14' 39.430 W
8,082.0	7.50	13.00	7,965.0	903.0	-338.6	4,063,657.24	4,213,728.36	33° 51' 57.625 N	118° 14' 39.398 W
8,176.0	7.60	14.10	8,058.1	915.0	-335.7	4,063,669.24	4,213,731.26	33° 51' 57.744 N	118° 14' 39.363 W
8,271.0	7.80	13.10	8,152.3	927.4	-332.7	4,063,681.61	4,213,734.25	33° 51' 57.866 N	118° 14' 39.327 W
8,365.0	6.80	13.20	8,245.5	939.0	-330.0	4,063,693.24	4,213,736.96	33° 51' 57.981 N	118° 14' 39.295 W
8,407.0	5.40	15.60	8,287.3	943.4	-328.9	4,063,697.57	4,213,738.06	33° 51' 58.024 N	118° 14' 39.282 W
8,529.1	4.71	15.16	8,408.9	953.7	-326.0	4,063,707.95	4,213,740.92	33° 51' 58.126 N	118° 14' 39.248 W
INTERMEDIATE CASING									
8,567.0	4.50	15.00	8,446.7	956.7	-325.2	4,063,710.88	4,213,741.71	33° 51' 58.156 N	118° 14' 39.239 W
8,625.7	4.36	16.16	8,505.3	961.0	-324.0	4,063,715.25	4,213,742.93	33° 51' 58.199 N	118° 14' 39.224 W
DOM_001 T3 6-11-10									
8,652.0	4.30	16.70	8,531.4	962.9	-323.4	4,063,717.16	4,213,743.49	33° 51' 58.218 N	118° 14' 39.218 W
8,682.0	4.40	17.00	8,561.4	965.1	-322.8	4,063,719.33	4,213,744.15	33° 51' 58.239 N	118° 14' 39.210 W
8,748.0	4.00	15.80	8,627.2	969.8	-321.4	4,063,723.97	4,213,745.52	33° 51' 58.285 N	118° 14' 39.193 W
8,842.0	5.80	10.80	8,720.8	977.6	-319.6	4,063,731.79	4,213,747.30	33° 51' 58.362 N	118° 14' 39.172 W
8,937.0	6.20	12.30	8,815.3	987.3	-317.6	4,063,741.52	4,213,749.29	33° 51' 58.459 N	118° 14' 39.148 W
9,003.0	6.20	10.98	8,881.0	994.3	-316.2	4,063,748.50	4,213,750.73	33° 51' 58.528 N	118° 14' 39.131 W
DOM_001 T3 6-11-10 rev									
9,032.0	6.20	10.40	8,909.8	997.4	-315.6	4,063,751.58	4,213,751.31	33° 51' 58.558 N	118° 14' 39.124 W
9,126.0	6.30	9.30	9,003.2	1,007.4	-313.9	4,063,761.66	4,213,753.06	33° 51' 58.658 N	118° 14' 39.104 W
9,220.0	5.80	5.60	9,096.7	1,017.3	-312.6	4,063,771.48	4,213,754.36	33° 51' 58.755 N	118° 14' 39.088 W
9,310.0	5.30	4.60	9,186.2	1,025.9	-311.8	4,063,780.14	4,213,755.14	33° 51' 58.841 N	118° 14' 39.079 W
9,410.0	5.00	3.80	9,285.8	1,034.9	-311.1	4,063,789.10	4,213,755.80	33° 51' 58.929 N	118° 14' 39.071 W
9,504.0	5.50	19.80	9,379.5	1,043.2	-309.3	4,063,797.42	4,213,757.59	33° 51' 59.011 N	118° 14' 39.049 W
9,599.0	5.10	16.10	9,474.0	1,051.6	-306.6	4,063,805.76	4,213,760.31	33° 51' 59.094 N	118° 14' 39.017 W
9,693.0	4.50	12.00	9,567.7	1,059.2	-304.7	4,063,813.38	4,213,762.23	33° 51' 59.169 N	118° 14' 38.994 W
9,788.0	6.00	14.10	9,662.3	1,067.6	-302.7	4,063,821.85	4,213,764.22	33° 51' 59.253 N	118° 14' 38.971 W
9,882.0	5.60	10.30	9,755.8	1,076.9	-300.7	4,063,831.12	4,213,766.23	33° 51' 59.345 N	118° 14' 38.947 W
9,977.0	4.80	17.60	9,850.4	1,085.3	-298.7	4,063,839.47	4,213,768.26	33° 51' 59.427 N	118° 14' 38.922 W
10,072.0	4.30	14.70	9,945.1	1,092.5	-296.6	4,063,846.71	4,213,770.37	33° 51' 59.499 N	118° 14' 38.897 W
10,166.0	3.90	12.70	10,038.9	1,099.0	-295.0	4,063,853.23	4,213,771.97	33° 51' 59.563 N	118° 14' 38.878 W
10,261.0	3.50	8.40	10,133.7	1,105.0	-293.8	4,063,859.25	4,213,773.10	33° 51' 59.623 N	118° 14' 38.865 W
10,355.0	3.80	5.00	10,227.5	1,111.0	-293.1	4,063,865.20	4,213,773.79	33° 51' 59.682 N	118° 14' 38.857 W
10,413.0	4.20	8.30	10,285.4	1,115.0	-292.7	4,063,869.21	4,213,774.26	33° 51' 59.722 N	118° 14' 38.851 W
10,450.0	4.30	8.80	10,322.3	1,117.7	-292.3	4,063,871.92	4,213,774.67	33° 51' 59.748 N	118° 14' 38.846 W
10,544.0	5.60	10.70	10,415.9	1,125.7	-290.9	4,063,879.91	4,213,776.06	33° 51' 59.827 N	118° 14' 38.830 W
10,639.0	5.90	23.30	10,510.4	1,134.7	-288.1	4,063,888.95	4,213,778.85	33° 51' 59.917 N	118° 14' 38.796 W
10,733.0	5.60	22.60	10,604.0	1,143.4	-284.4	4,063,897.62	4,213,782.53	33° 52' 0.003 N	118° 14' 38.753 W
10,830.0	5.30	19.30	10,700.5	1,152.0	-281.1	4,063,906.22	4,213,785.83	33° 52' 0.088 N	118° 14' 38.714 W
10,925.0	5.10	19.80	10,795.1	1,160.1	-278.2	4,063,914.34	4,213,788.71	33° 52' 0.168 N	118° 14' 38.679 W
11,019.0	4.80	20.60	10,888.8	1,167.7	-275.4	4,063,921.95	4,213,791.51	33° 52' 0.243 N	118° 14' 38.646 W
11,102.5	5.73	20.03	10,971.9	1,174.9	-272.8	4,063,929.13	4,213,794.16	33° 52' 0.314 N	118° 14' 38.614 W
INTERMEDIATE LINER									
11,127.0	6.00	19.90	10,996.3	1,177.3	-271.9	4,063,931.49	4,213,795.02	33° 52' 0.337 N	118° 14' 38.604 W
11,222.0	5.90	18.10	11,090.8	1,186.6	-268.7	4,063,940.79	4,213,798.22	33° 52' 0.429 N	118° 14' 38.566 W
11,317.0	5.90	17.40	11,185.3	1,195.9	-265.7	4,063,950.10	4,213,801.20	33° 52' 0.521 N	118° 14' 38.531 W
11,411.0	5.70	16.90	11,278.8	1,205.0	-262.9	4,063,959.17	4,213,804.00	33° 52' 0.611 N	118° 14' 38.497 W
11,505.0	5.70	12.10	11,372.4	1,214.0	-260.6	4,063,968.20	4,213,806.34	33° 52' 0.701 N	118° 14' 38.470 W
11,600.0	6.70	15.90	11,466.8	1,223.9	-258.1	4,063,978.15	4,213,808.85	33° 52' 0.799 N	118° 14' 38.440 W

Company:	OXY USA LA BASIN	Local Co-ordinate Reference:	Well DOM-001 (Western Prospect) - Slot Slot D
Project:	DOMINGUEZ	TVD Reference:	H&P 236 @ 194.1ft (RF Elev: 25.12', GL: 168.97')
Site:	REYES LANDS LEASE	MD Reference:	H&P 236 @ 194.1ft (RF Elev: 25.12', GL: 168.97')
Well:	DOM-001 (Western Prospect)	North Reference:	Grid
Wellbore:	ORIG HOLE	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	LGPSP

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (uss ft)	Map Easting (uss ft)	Latitude	Longitude
11,695.0	6.40	22.90	11,561.2	1,234.1	-254.5	4,063,988.35	4,213,812.42	33° 52' 0.900 N	118° 14' 38.397 W
11,789.0	6.70	24.10	11,654.6	1,244.0	-250.2	4,063,998.18	4,213,816.70	33° 52' 0.997 N	118° 14' 38.346 W
11,884.0	6.90	26.60	11,748.9	1,254.1	-245.4	4,064,008.35	4,213,821.52	33° 52' 1.098 N	118° 14' 38.289 W
11,978.0	5.90	30.00	11,842.3	1,263.4	-240.5	4,064,017.58	4,213,826.46	33° 52' 1.189 N	118° 14' 38.230 W
12,073.0	6.20	30.70	11,936.8	1,272.0	-235.4	4,064,026.22	4,213,831.52	33° 52' 1.274 N	118° 14' 38.170 W
12,167.0	6.20	27.80	12,030.2	1,280.9	-230.4	4,064,035.07	4,213,836.48	33° 52' 1.362 N	118° 14' 38.111 W
12,256.0	6.60	26.10	12,118.7	1,289.7	-226.0	4,064,043.92	4,213,840.97	33° 52' 1.449 N	118° 14' 38.058 W
12,274.0	6.80	27.70	12,136.6	1,291.6	-225.0	4,064,045.79	4,213,841.92	33° 52' 1.468 N	118° 14' 38.047 W
12,369.0	6.90	41.40	12,230.9	1,300.8	-218.6	4,064,055.05	4,213,848.31	33° 52' 1.559 N	118° 14' 37.971 W
12,463.0	3.90	56.60	12,324.5	1,306.8	-212.2	4,064,061.05	4,213,854.72	33° 52' 1.619 N	118° 14' 37.895 W
12,558.0	4.50	55.60	12,419.2	1,310.7	-206.4	4,064,064.93	4,213,860.49	33° 52' 1.657 N	118° 14' 37.826 W
12,605.0	4.44	58.52	12,466.1	1,312.7	-203.4	4,064,066.93	4,213,863.56	33° 52' 1.677 N	118° 14' 37.790 W
DOM_001 T4 6-11-10									
12,652.0	4.40	61.50	12,512.9	1,314.5	-200.2	4,064,068.74	4,213,866.70	33° 52' 1.695 N	118° 14' 37.753 W
12,699.8	4.54	64.67	12,560.6	1,316.2	-196.9	4,064,070.42	4,213,870.03	33° 52' 1.711 N	118° 14' 37.713 W
Western - Schist Basement +500' vd (TD)									
12,701.5	4.55	64.78	12,562.2	1,316.3	-196.8	4,064,070.48	4,213,870.14	33° 52' 1.712 N	118° 14' 37.712 W
DOM_001 T4 8-31-10									
12,705.4	4.56	65.03	12,566.2	1,316.4	-196.5	4,064,070.61	4,213,870.43	33° 52' 1.713 N	118° 14' 37.709 W
Western - Schist Basement (TD)									
12,747.0	4.70	67.60	12,607.6	1,317.7	-193.4	4,064,071.96	4,213,873.50	33° 52' 1.726 N	118° 14' 37.672 W
12,823.0	5.20	63.50	12,683.3	1,320.5	-187.5	4,064,074.68	4,213,879.46	33° 52' 1.753 N	118° 14' 37.601 W
12,882.7	5.20	63.50	12,742.8	1,322.9	-182.6	4,064,077.09	4,213,884.30	33° 52' 1.777 N	118° 14' 37.544 W
SCREEN / SLOTTED LINER									
12,885.0	5.20	63.50	12,745.1	1,323.0	-182.4	4,064,077.19	4,213,884.49	33° 52' 1.778 N	118° 14' 37.542 W

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
332.8	332.8	STRUCTURAL CASING	18.625	24.000
1,999.7	1,987.3	SURFACE CASING	13.375	24.000
8,529.1	8,408.9	INTERMEDIATE CASING	9.625	12.250
11,102.5	10,971.9	INTERMEDIATE LINER	7.000	8.500
12,882.7	12,742.8	SCREEN / SLOTTED LINER	5.000	24.000

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,159.0	2,139.2	BFW		0.00	

Checked By: _____ Approved By: _____ Date: _____

98

REC'D OCT 14 2011

NATURAL RESOURCES AGENCY
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. T 111-0115

REPORT ON OPERATIONS

CONFIDENTIAL WELL

Cypress, California
April 6, 2011

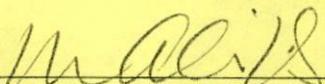
Chris Phillips, Agent
OXY USA INC.
301 E Ocean Blvd., Ste 300
Long Beach CA 90802

Your operations at well **DOM-001**, A.P.I. No. **037-27124**, Section **33**, T. 3S, R. 13W, S.B. B & M., **Dominguez Field, Los Angeles County**, were witnessed on **01/08/2011**. **Emily Reader**, representative of the supervisor, was present from **2000** to **2030**. There was also present **Bob Allen, Rig Supervisor**.

The operations were performed for the purpose of demonstrating the effectiveness of the seal between 9 5/8" and 7".

DECISION: APPROVAL
DEFICIENCIES: None.
CONTRACTOR: H&P

Elena Miller
State Oil and Gas Supervisor

By: 
For: M, Ali Khan, Acting District Deputy

JCH: dj

cc: Update

OG109 07-08-09

CONFIDENTIAL WELL
DIVISION OF OIL AND GAS

WATER SHUTOFF TEST

No. T 0111-045

Operator Oxy USA Inc

Well designation Dom-001 Sec. 33, T. 3S, R. 13W, SB B.&M.

Field Dominguez, County Los Angeles was tested for water shutoff on 1/8/2011. (Name) E. Allen, representative of the supervisor, was present from 2000 to 2030. Also present were Bob Allen, Rig Supervisor

Casing record of well: _____

The operations were performed for the purpose of Drilling (E) 9 5/8" and 7"

- The _____ " shutoff at _____ ' is approved.
- The seal between the 7 " and 9 5/8 " casings is approved.

Hole size: _____ " fr. _____ ' to _____ ' ; _____ " to _____ ' ; & _____ " to _____ '

Casing				Cemented			Top of Fill		Sqd. Away	Final Press	Test psi/min. Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			
9 5/8"	53.5	0'	8498'	12/16/10	_____	Lead 5775X Tail 6003X	2100'	8455'	—	—	—
7"	32	8181'	11103'	1/4/11	_____	Lead 7225X Tail 1255X	80'	7077'	—	—	—

Depth or interval tested 8110' - 11030'
The hole was open to 1130 ' for test.

FORMATION TEST:

Packer(s) 8110 ' & _____ ' Tail 8131 ' Bean size 5/8 " Cushion 5592 ' mud
IHP 4744.90 IFP 3326.90 FFP 3326.90 FHP 4787.80 11.5 lb

Blow
Open for test _____ Hr. 0 min. Fluid entry 40' (normal)

BAILING TEST:

The hole fluid was bailed to _____ ' , at _____ on _____ 19 .
The hole fluid was found at _____ ' , at _____ on _____ 19 .
(time)

PRODUCTION TEST:

Gauge/meter reading _____ on _____ 19 , at _____ pump depth _____ ' Engr. _____
Gauge/meter reading _____ on _____ 19 , at _____ Engr. _____
Fluid level _____ ' surveyed on _____ 19 , reviewed (witnessed) by _____
Total fluid produced, Bbls. _____ Net oil _____ Water _____
Rate: _____ B/D oil, _____ B/D water, _____ % water cut

CONTRACTOR:

H&P / Halibutson

UNCORRECTABLE DEFICIENCIES:

Ø

DEFICIENCIES NOTED AND TO BE CORRECTED:

Ø

DEFICIENCIES NOTED AND TO BE CORRECTED:

Ø

CONFIDENTIAL WELL

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

No. T _____

Report on Operations

Oxy USA Inc

Dominguez Hills Calif.

Your operations at well Dom-001, API No. 037-27124,
Sec. 33, T. 3S, R. 13W, S.B. B. & M. Dominguez
Field, in Los Angeles County,
were witnessed on 1/5/11 by E. Allen, representative of
the supervisor, was present from 1300 to 1415.
There were also present Scott Cheeseman, Rig Super
Present condition of well: _____

Drilling

MEMO

The operations were performed for the purpose of pressure testing the casing.
The casing was pressure tested with 1026 psig for 15 minutes.
There was psig pressure drop.

DECISION:

The pressure test (is) / is not approved.

Positive lap test b/w 9 5/8" & 7" CSG

Time: 1334 @ 1026 psig
1349 @ 1044 psig

Interval tested 8181' - 8498'

By _____
State Oil and Gas Supervisor
Deputy Supervisor

CONTRACTOR:

HBP

UNCORRECTABLE DEFICIENCIES:

Ø

DEFICIENCIES NOTED AND TO BE CORRECTED:

Ø

DEFICIENCIES NOTED AND CORRECTED:

Ø

NATURAL RESOURCES AGENCY
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. T 111-0114

REPORT ON OPERATIONS

CONFIDENTIAL WELL

Cypress, California
April 6, 2011

Chris Phillips, Agent
OXY USA INC.
301 E Ocean Blvd., Ste 300
Long Beach CA 90802

Your operations at well **DOM-001**, A.P.I. No. **037-27124**, Section **33**, T. **3S**, R. **13W**, S.B. **B & M.**, **Dominguez Field, Los Angeles** County, were witnessed on **01/07/2011**. **Emily Reader**, representative of the supervisor, was present from **0210** to **1245**. There was also present **Bob Allen, Rig Supervisor**.

The operations were performed for the purpose of testing the blowout prevention equipment and installation.

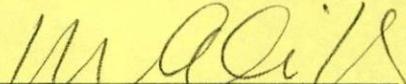
DECISION: APPROVAL

DEFICIENCIES NOTES AND CORRECTED:

- 1) Not enough Nitrogen backup- corrected-added tank 01/18/11

CONTRACTOR: H&P

Elena Miller
State Oil and Gas Supervisor

By: 
For: M, Ali Khan, Acting District Deputy

JCH: dj

cc: Update

OG109 07-08-09

BLOWOUT PREVENTION EQUIPMENT MEMO

CONFIDENTIAL WELL

Operator Oxy USA Inc Well Dom-001 Sec. 33 T. 3S R. 13W
 Field Dominquez County Los Angeles Spud Date 11/7/2010

VISITS: Date Engineer Time Operator's Rep. Title
 1st 1/7/2011 E. Allen (210 to 1245) Bob Allen Rig Supervisor
 2nd _____ (_____ to _____) _____ _____
 Contractor H & B Rig # 236 Contractor's Rep. & Title _____
 Casing record of well: 13 3/8" cem 2000'; 9 5/8" cem 8492'; 7" Id 8181'-11103'. TD 11113' (drilling)

OPERATION: Testing (inspecting) the blowout prevention equipment and installation. Critical well? Y N
DECISION: The blowout prevention equipment and its installation on the 9 5/8" casing are approved.

Proposed Well Opns: Drill . MACP: _____ psi **REQUIRED BOPE CLASS: IVB10M**
 Hole size: _____ " fr. _____ ' to _____ ' & _____ " to _____ ' .

CASING RECORD OF BOPE ANCHOR STRING					Cement Details		Top of Cement	
Size	Weight(s)	Grade(s)	Shoe at	CP at	Lead	222 sks	Casing	Annulus
9 5/8"	53.5	P-110	8498'		Tail	125 sks		0
7"	32	P-110	11103'		returns	15 bbls		

BOP STACK							TEST DATA						
API Symb.	Ram Size (in.)	Manufacturer	Model or Type	Vert. Bore Size (in.)	Press. Rtg.	Date Last Overhaul	Gal. to Close	Recov. Time (Min.)	Calc. GPM Output	psi Drop to Close	Secs. to Close	Test Date	Test Press.
A	CSO	Hydril	GK	13 5/8	10M		37.18						3500
Rd	var.	Cameron	UM	13 5/8	10M		7.5						7250
Rd	CSO	Cameron	UM	13 5/8	10M		7.5						3200
S	3 1/2	Cameron	UM	13 5/8	10M		7.5						7250
HCR					10M		0.15						7250

ACTUATING SYSTEM				TOTAL: 59.68		AUXILIARY EQUIPMENT						
Accumulator Unit(s) Working Pressure <u>3000</u> psi						Connections						
Total Rated Pump Output _____ gpm Fluid Level _____						No.	Size (in.)	Rated Press	Weld	Flange	Thread	Test Press.
Distance from Well Bore <u>50</u> ft. OK												
Accum. Manufacturer		Capacity	Precharge	X	Fill-up Line							
1	Koomey	200gal.	1000psi	X	Kill Line		2"	10M	X			7250
2		gal.	psi	X	Control Valve(s)	2		10M	X			-----

CONTROL STATIONS				Elec.	Hyd.	Pneu.								
X	Manifold at accumulator unit			X	X	X	X	Check Valve(s)	1		10M	X		7250
X	Remote at Driller's station			X			X	Aux. Pump Cnct.			10M	X		7250
	Other:						X	Choke Line		3"	10M	X		7250
	Other:						X	Control Valve(s)	12		10M	X		7250

EMERG. BACKUP SYSTEM				Press.	Wkg. Fluid									
7	N ₂ Cylinders	1	L= 55 "	2350	8.07gal.	X	Pressure Gauge						X	
	Other:	2	L= 55 "	2400	8.39gal.	X	Adjstble Choke(s)	2	3"	10M	X			-----
		3	L= 55 "	2450	8.71gal.	X	Bleed Line		3"		X			
		4	L= 55 "	2500	9.03gal.	X	Upper Kelly Cock							3000
		5	L= 55 "	2500	9.03gal.	X	Lower Kelly Cock		4.5	10M				3000
		6	L= 55 "	2500	9.03gal.	X	Standpipe Valve							3500
		6	L= 55 "	2500	9.03gal.	X	Stndpipe Pres. Gau.							
	7. L=55"	2300 psi	7.75 gal	TOTAL: 60.01 gal.		X	Pipe Safety Valve		4.5	10M				7250

HOLE FLUID MONITORING EQUIPMENT				Alarm Type								
				Audible	Visual	Class	Hole Fluid Type		Weight	Storage Pits (Type & Size)		
X	Calibrated Mud Pit	X	X	X	X	A	mud		11.5	1700 bbls		
X	Pit Level Indicator	X	X			B						
X	Pump Stroke Counter	X	X			C	REMARKS AND DEFICIENCIES: 1. not sufficient Nitrogen backup- corrected 1/8/2011					
X	Pit Level Recorder	X	X									
X	Flow Sensor	X	X									
X	Mud Totalizer	X	X									
X	Calibrated Trip Tank	X	X									
	Other:											

CONTRACTOR:

HBP

UNCORRECTABLE DEFICIENCIES:

Ø

DEFICIENCIES NOTED AND TO BE CORRECTED:

Ø

DEFICIENCIES NOTED AND CORRECTED:

1. Not enough Nitrogen backup - corrected - added tank 1-8-11

CONFIDENTIAL WELL

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

No. T _____

Report on Operations

Oxy USA Inc

Dominguez Calif.

Your operations at well Dom - 001, API No. 037-27124
Sec. 33, T. 3S, R. 13W, S.B. B. & M. Dominguez
Field, in Los Angeles County,
were witnessed on 1/8/11 by E. Allen, representative of
the supervisor, was present from 100 to 1300.
There were also present Scott Cheeseman, Rig Supervisor
Present condition of well: _____

Pressure tested casing separately from
MEMO BOPE Stack

The operations were performed for the purpose of pressure testing the 7" casing.
The casing was pressure tested with 6600 psig for 15 minutes.
There was 200 psig pressure drop.

DECISION:
The pressure test is / is not approved.

Start:
1224 @ 6600 psi

End:
1239 @ 6400 psi

State Oil and Gas Supervisor
By _____
Deputy Supervisor

Handwritten notes and scribbles at the top of the page, including the word "CONTRACTOR" and various illegible markings.

CONTRACTOR:

H & P

UNCORRECTABLE DEFICIENCIES:

Ø

DEFICIENCIES NOTED AND TO BE CORRECTED:

Ø

DEFICIENCIES NOTED AND CORRECTED:

Ø

JCH

NATURAL RESOURCES AGENCY
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. T 111-0116

REPORT ON OPERATIONS

CONFIDENTIAL WELL

Cypress, California
April 6, 2011

Chris Phillips, Agent
OXY USA INC.
301 E Ocean Blvd., Ste 300
Long Beach CA 90802

Your operations at well **DOM-001**, A.P.I. No. **037-27124**, Section **33**, T. **3S**, R. **13W**, S.B. **B & M.**, **Dominguez Field**, **Los Angeles County**, were witnessed on **12/18/2011**. **Kathleen Andrews**, representative of the supervisor, was present from **0130** to **0600**. There was also present **Eric Burchard**, **Company Supervisor**.

The operations were performed for the purpose of testing the blowout prevention and equipment and installation.

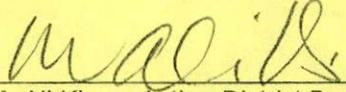
DECISION: APPROVAL

DEFICIENCIES NOTES AND CORRECTED:

- 1) Brought IOM annular preventer to drill site.

CONTRACTOR: H&P

Elena Miller
State Oil and Gas Supervisor

By: 
For: M, Ali Khan, Acting District Deputy

JCH: dj

cc: Update

OG109 07-08-09

7-11-00
0110

CONTRACTOR:

Helmerich & Payne

UNCORRECTABLE DEFICIENCIES:

Ø

DEFICIENCIES NOTED AND TO BE CORRECTED:

Ø

DEFICIENCIES NOTED AND CORRECTED:

* Ø brought 10M annular preventer to drillsite

Scit

NATURAL RESOURCES AGENCY
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. T 111-0117

REPORT ON OPERATIONS

CONFIDENTIAL WELL

Cypress, California
April 6, 2011

Chris Phillips, Agent
OXY USA INC.
301 E Ocean Blvd., Ste 300
Long Beach CA 90802

Your operations at well **DOM-001**, A.P.I. No. **037-27124**, Section **33**, T. **3S**, R. **13W**, S.B. **B & M.**, **Dominguez Field, Los Angeles** County, were witnessed on **11/21/10**. **Noel Saito**, representative of the supervisor, was present from **1130** to **1200**. There was also present **Francisco Ramirez, Driller**.

The operations were performed for the purpose of testing the blowout prevention and equipment and installation.

DECISION: APPROVAL

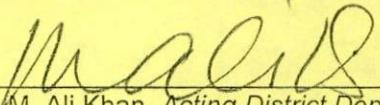
DEFICIENCIES NOTES AND CORRECTED:

- 1) Kill line was threaded, but was changed to flanged.
- 2) No gauge above standpipe valve, but was added.

CONTRACTOR: **H&P**

Elena Miller

State Oil and Gas Supervisor

By: 
For: M, Ali Khan, Acting District Deputy

JCH: dj

cc: Update

OG109 07-08-09

API NO. 037-27124

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

T 111-0017
0117

BLOWOUT PREVENTION EQUIPMENT MEMO

Operator OXY USA, INC Well DOM-001 Sec. 33 T. 35 R. 13W
 Field DOMINGUEZ County LOS ANGELES Spud Date 11/8/10
 VISITS: Date Engineer Time Operator's Rep. Title
 1st 11/19/10 N. SAITO (1500 to 1600) RUDY ROSETTE DRILLER
 2nd 11/21/10 N. SAITO (1130 to 1200) FRANCISCO RAMIREZ "
 Contractor H & P Rig# 236 Contractor's Rep. & Title ERIC BRUCHARD - OPERATOR REP
 Casing record of well: _____

OPERATION: Testing (inspecting) the blowout prevention equipment and installation. Critical well? Y X N _____

DECISION: The blowout prevention equipment and its installation on the 13 3/8 " casing are approved.

Proposed Well Opns: NEW DRILL MACP: _____ psi
 Hole size: 17 1/2 " fr. 300 ' to 2010 ' , _____ " to _____ ' & _____ " to _____ '

REQUIRED BOPECLASS: IV B 5M

CASING RECORD OF BOPE ANCHOR STRING					Cement Details		Top of Cement	
Size	Weight(s)	Grade(s)	Shoe at	CP at			Casing	Annulus
<u>13 3/8</u>	<u>72#</u>	<u>K-55</u>	<u>2000</u>		<u>LEAD CMT 761 CF</u>		<u>1915</u>	<u>Ø</u>
					<u>TAIL CMT 1789 CF</u>			
					<u>RRLS RETURN 38 BBLs</u>			

BOPSTACK							TEST DATA						
API Symb.	Ram Size (in.)	Manufacturer	Model or Type	Vert. Bore Size (in.)	Press. Rtg.	Date Last Overhaul	Gal. to Close	Recovery Time (Min.)	Calc. GPM Output	psi Drop to Close	Secs. to Close	Test Date	Test Press.
<u>A</u>	<u>CSO</u>	<u>HYDRIL</u>	<u>GIC</u>	<u>13 5/8</u>	<u>10 M</u>		<u>29.35</u>						<u>1200</u>
<u>RD</u>	<u>5</u>	<u>CAMERON</u>	<u>U</u>	<u>↓</u>	<u>↓</u>		<u>5.8</u>						<u>1200</u>
<u>RD</u>	<u>CSO</u>	<u>"</u>	<u>U</u>	<u>↓</u>	<u>↓</u>		<u>5.8</u>						<u>1257</u>
<u>SD</u>	<u>5</u>	<u>"</u>	<u>U</u>	<u>↓</u>	<u>↓</u>		<u>5.8</u>						<u>1200</u>

ACTUATING SYSTEM				TOTAL: <u>46.75</u>			AUXILIARY EQUIPMENT							
Accumulator Unit(s) Working Pressure <u>300</u> psi							Connections							
Total Rated Pump Output _____ gpm				Fluid Level _____			No.	Size (in.)	Rated Press.	Weld	Flange	Thread	Test Press.	
Distance From Well Bore <u>50</u> ft.														
Accum. Manufacturer		Capacity	Precharge	<input checked="" type="checkbox"/>	Fill-up Line									
<u>1</u>	<u>KOOMEY</u>	<u>200</u> gal.	<u>1000</u> psi	<input checked="" type="checkbox"/>	Kill Line				<u>2</u>	<u>10M</u>		<input checked="" type="checkbox"/>	<u>1200</u>	
<u>2</u>				<input checked="" type="checkbox"/>	Control Valve(s)			<u>2</u>				<input checked="" type="checkbox"/>		
CONTROL STATIONS				Elec.	Hyd.	Pneu.	<input checked="" type="checkbox"/>	Check Valve(s)						
<input checked="" type="checkbox"/>	Manifold at accumulator unit			<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Aux. Pump Connect.						
<input checked="" type="checkbox"/>	Remote at Driller's station			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	Choke Line				<u>1200</u>		
	Other:						<input checked="" type="checkbox"/>	Control Valve(s) <u>2+8</u>			<u>10</u>	<u>10M</u>	<input checked="" type="checkbox"/>	<u>↓</u>
EMERG. BACKUP SYSTEM				Press.	Wkg. Fluid	<input checked="" type="checkbox"/>	Pressure Gauge							
<u>6</u>	N ₂ Cylinders			<u>1</u>	<u>L=55"</u>	<u>2300</u>	<u>7.75</u> gal.	<input checked="" type="checkbox"/>	Adjustable Choke(s)					
	Other:			<u>2</u>	<u>L=55"</u>	<u>2400</u>	<u>8.39</u> gal.	<input checked="" type="checkbox"/>	Bleed Line					
				<u>3</u>	<u>L=55"</u>	<u>2500</u>	<u>9.0</u> gal.	<input checked="" type="checkbox"/>	Upper Kelly Cock				<u>1200</u>	
				<u>4</u>	<u>L=55"</u>	<u>2600</u>	<u>9.65</u> gal.	<input checked="" type="checkbox"/>	Lower Kelly Cock					
				<u>5</u>	<u>L=55"</u>	<u>2600</u>	<u>9.0</u> gal.	<input checked="" type="checkbox"/>	Standpipe Valve					
				<u>6</u>	<u>L=55"</u>	<u>2500</u>	<u>9.0</u> gal.	<input checked="" type="checkbox"/>	Standpipe Press. Gauge					
								<input checked="" type="checkbox"/>	Pipe Safety Valve				<u>1200</u>	
								<input checked="" type="checkbox"/>	Internal Preventer				<u>1200</u>	
HOLEFLUID				TOTAL: <u>61.79</u> gal.										

MONITORING EQUIPMENT			Alarm Type		Class	Hole Fluid Type	Weight	Storage Pits (Type & Size)
	Audible	Visual						
<input checked="" type="checkbox"/>	Calibrated Mud Pit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		A	<u>KCL GEL LIGHT</u>	<u>10.2</u>	<u>600 BBL</u>
<input checked="" type="checkbox"/>	Pit Level Indicator	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		B			
<input checked="" type="checkbox"/>	Pump Stroke Counter	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		B			
<input checked="" type="checkbox"/>	Pit Level Recorder	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		B			
<input checked="" type="checkbox"/>	Flow Sensor	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		C			
<input checked="" type="checkbox"/>	Mud Totalizer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		C			
<input checked="" type="checkbox"/>	Calibrated Trip Tank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		C			
	Other:					REMARKS AND DEFICIENCIES:		
						<u>- THREADED KILL LINE</u>		
						<u>- NO GAUGE ABOVE STANDPIPE VALVE</u>		

CONTRACTOR:

H & P

UNDERCONTACT'S DEFICIENCIES:

DEFICIENCIES NOTED AND TO BE CORRECTED:

1. KILL LINE WAS THREADED, BUT WAS CHANGED TO FLANGED
2. NO GAUGE ABOVE STANDPIPE VALVE, BUT WAS ADDED.

DEFICIENCIES NOTED AND CORRECTED:

544

NATURAL RESOURCES AGENCY
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. T 111-0118

REPORT ON OPERATIONS

CONFIDENTIAL WELL

Cypress, California
April 6, 2011

Chris Phillips, Agent
OXY USA INC.
301 E Ocean Blvd., Ste 300
Long Beach CA 90802

Your operations at well **DOM-001**, A.P.I. No. **037-27124**, Section **33**, T. **3S**, R. **13W**, S.B. **B & M.**, **Dominguez Field**, **Los Angeles** County, were witnessed on **11/11/2010**. **Kathleen Andrews**, representative of the supervisor, was present from **2345** to **0100**. There was also present **Bob Allen**, Rig **Supervisor**.

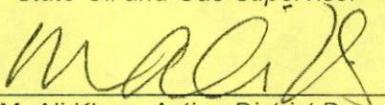
The operations were performed for the purpose of inspecting the blowout prevention equipment and installation.

DECISION: APPROVAL

DEFICIENCIES: None.

CONTRACTOR: **H&P**

Elena Miller
State Oil and Gas Supervisor

By: 
For: M, Ali Khan, Acting District Deputy

JCH: dj

cc: Update

OG109 07-08-09

BLOWOUT PREVENTION EQUIPMENT MEMO

CONFIDENTIAL WELL

Operator Oxy USA, Inc. Well DOM-001 Sec. 33 T. 3S R. 13W
 Field Dominguez County Los Angeles Spud Date 11/8/2010
VISITS: Date Engineer Time Operator's Rep. Title
 1st 11/11/2010 K. M. Andrews (2345 to 0100) Bob Allen drill site manager
 2nd () to)
 Contractor Helmerich & Payne Rig # 236 Contractor's Rep. & Title Steve rig supervisor
 Casing record of well: 30' grouted 100'; 18 5/8" cem 333'

OPERATION: Testing (inspecting) the blowout prevention equipment and installation. Critical well? Y N
DECISION: The blowout prevention equipment and its installation on the 18 5/8 " casing are approved.

Proposed Well Opns: drill . MACP: _____ psi **REQUIRED BOPE CLASS:**
 Hole size: 24 " fr. 0 ' to 340 ' " to ' & " to ' **diverter**

CASING RECORD OF BOPE ANCHOR STRING					Cement Details		Top of Cement	
Size	Weight(s)	Grade(s)	Shoe at	CP at			Casing	Annulus
18 5/8	87.5 #	J-55	333'		lead 184 sx (yield 1.65) 300 cf			
					tail 238 sx (yield 1.68) 400 cf			
					10 bbl returns to surface			

BOP STACK						TEST DATA							
API Symb.	Ram Size (in.)	Manufacturer	Model or Type	Vert. Bore Size (in.)	Press. Rtg.	Date Last Overhaul	Gal. to Close	Recov. Time (Min.)	Calc. GPM Output	psi Drop to Close	Secs. to Close	Test Date	Test Press.
A	CSO	Hydril	GK	13 5/8	3M		15.28						

ACTUATING SYSTEM				TOTAL: 15.28		AUXILIARY EQUIPMENT						
Accumulator Unit(s) Working Pressure _____ psi						Connections						
Total Rated Pump Output _____ gpm						No.	Size (in.)	Rated Press	Weld	Flange	Thread	Test Press.
Distance from Well Bore >50 ft.				Fluid Level ok								
Accum. Manufacturer		Capacity		Precharge								
1	Koomey	200 gal.	1000 psi	x	Fill-up Line							
2		gal.	psi	x	Kill Line <i>Diverter</i>	6	3M		x	x		
					Control Valve(s)	1	3M		x	x		

CONTROL STATIONS			Elec.	Hyd.	Pneu.							
x	Manifold at accumulator unit		x	x	x	x	Check Valve(s)					
x	Remote at Driller's station		x	x			Aux. Pump Cnct.					
	Other:						200					

EMERG. BACKUP SYSTEM				Press.	Wkg. Fluid						
6	N ₂ Cylinders	1	L= 55 "	2200	7.10gal.	Pressure Gauge					
	Other:	2	L= 55 "	2100	6.43gal.	Adjstble Choke(s)					
		3	L= 55 "	2500	9.00gal.	Bleed Line					
		4	L= 55 "	2550	9.32gal.	Upper Kelly Cock					
		5	L= 55 "	2550	9.32gal.	Lower Kelly Cock					
		6	L= 55 "	2550	9.32gal.	Standpipe Valve					
						2 Stndpipe Pres. Gau.					
						Pipe Safety Valve					
						5	10M				
						5	10M				
						x Internal Preventer					

HOLE FLUID MONITORING EQUIPMENT			Alarm Type			Hole Fluid Type			Weight			Storage Pits (Type & Size)		
	Audible	Visual	Class											
Calibrated Mud Pit	x	x	A				mud			10# 500 bbl				
Pit Level Indicator	x	x	B											
Pump Stroke Counter	x	x	C											
Pit Level Recorder	x	x												
Flow Sensor	x	x												
Mud Totalizer	x	x												
Calibrated Trip Tank	x	x												
Other:														

REMARKS AND DEFICIENCIES: Notes: Valve on diverter opens automatically upon closure of annular ram. One 6-inch bleed line to scrubber. Gas would be vented upward, and liquid would be discharged to mud pits.

CONTRACTOR:

Helmerich & Payne

UNCORRECTABLE DEFICIENCIES:

∅

DEFICIENCIES NOTED AND TO BE CORRECTED:

∅

DEFICIENCIES CORRECTED AND CORRECTED:

∅

NATURAL RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. P 110-0842

PERMIT TO CONDUCT WELL OPERATIONS

208
Field Code

00
Area Code

--
(New Pool Code)

--
(Old Pool Code)

CONFIDENTIAL WELL
EXPLORATORY WELL

Chris Phillips, Agent
Oxy USA, Inc.
301 East Ocean Blvd.
Long Beach, CA 90801

Cypress, California
December 27, 2010

Your supplementary proposal to drill well DOM-001, A.P.I. No. 037-27124, Section 33, T. 3S, R. 13W, S.B. B. & M., Dominguez Field, -- area, Division C, Division D, Division E, Division F, and Schist Basement pools, Los Angeles County, dated 12/6/2010, received 12/6/2010 has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED:

1. Blowout prevention equipment, as defined by this Division's publication No. M07, shall be installed and maintained in operating condition and meet the following minimum requirements:
 - a. Class **IVB5M**, with hydraulic controls, on the **13 3/8"** casing **prior** to setting the **7"** casing.
 - c. Class **IVB10M**, with hydraulic controls, on the **13 3/8"** casing **after** setting the **7"** casing.
2. Drilling fluid in sufficient quantity and quality to control all subsurface conditions in order to prevent blowouts shall be used.
3. Sufficient material to control lost circulation of hole fluid shall be available for immediate use at the well site.
4. A **fluid-entry** test shall be performed to demonstrate that no fluid has access to the well between the **9 5/8"** and **7"** casings after cleaning out below the top of the **7"** casing.
5. A directional survey shall be made and filed with this Division within **15** days of completion of drilling.
6. This Division shall be consulted and a Supplementary Notice may be required before making any changes in the proposed program.
7. **THIS DIVISION SHALL BE NOTIFIED TO:**
 - a. Witness a test to demonstrate there is no fluid access to the well between the **9 5/8"** and **7"** casings, after cleaning out below the top of the casing lap.
 - b. Witness a test of the installed blowout prevention equipment prior to drilling out cement in the shoe of the **7"** casing.
 - c. Witness a production water shutoff test within **60** days after the well is placed on production.

NOTE:

1. A crew drill may be required at the time of the blowout prevention equipment test.
2. This well has been granted confidential status for two years from the cessation of drilling operations.
4. This permit was held in abeyance pending review of additional engineering data.

JCH:jch

cc: Update
EDP

BLANKET BOND

Engineer: John Huff

Phone: 714/816-6847

Elena M. Miller

State Oil and Gas Supervisor

By

M. Carlson
For Kenneth M. Carlson, Acting Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended. Issuance of this permit does not affect the Operator's responsibility to comply with other applicable state, federal and local laws, regulations and ordinances.

CONFIDENTIAL



NATURAL RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

P# 110-0842

FOR DIVISION USE ONLY			
Bond	Forms		
	OGD114	OGD121	
BB	/	12-7-10 KJ	J

SUPPLEMENTARY NOTICE

Detailed instructions can be found at: www.conservation.ca.gov/dog/

A notice to the Division of Oil, Gas, and Geothermal Resources, dated 12/06/10, stating the intention to Drill well DOM-001, API No. 037-27124,
(Drill, Rework, Abandon)

Sec. 33, T. 3S, R. 13W, S.B. B.&M., Dominguez Field, Los Angeles County

should be amended because of changed conditions.

The complete casing record of the well (present hole), including plugs and perforations, is as follows: (Attach wellbore schematics diagram also.)

- 30", 118.6#, Grade B, welded conductor cemented at 103' with cement to surface.
- 18-5/8", 87.5#, J-55, BTC casing cemented at 333', with 644 cf of cement.
- 13-3/8", 72#, L-80, BTC casing cemented at 1,998', with 1,808 cf of cement.
- 12-1/4" open hole drilled to 7,245'.

The total depth is: 7,245 feet.

The effective depth is: 7,245 feet.

Present completion zone(s): none
(Name)

Anticipated completion zone(s): Div C/D/E/F & Schist
(Name)

Present zone pressure: none psi.

Anticipated/existing new zone pressure: 8,580 psi.

We now propose: (A complete program is preferred and may be attached.)

See Summary Page Attachment for proposed drilling and casing work.

If well is to be redrilled or deepened, show proposed coordinates (from surface location) and true vertical depth

at total depth: 1,321.8 feet North and 228.2 feet West Estimated true vertical depth: 12,563'
(Direction) (Direction)

Will the Field and/or Area change? Yes No If yes, specify New Field: _____ New Area: _____

The Division must be notified immediately of changes to the proposed operations. Failure to provide a true and accurate representation of the well and proposed operations may cause rescission of the permit.

Name of Operator Oxy USA Inc.			
Address 301 East Ocean Blvd.		City/State Long Beach, CA	Zip Code 90801
Name of Person Filing Notice Chris Phillips	Telephone Number: (562) 495-9349	Signature <i>Chris Phillips</i>	Date 12/6/2010
Individual to contact for technical questions: Mike McCarter	Telephone Number: (562) 624-3247	E-Mail Address: mike_mccarter@oxy.com	

This notice must be filed, and approval given, before the operations begin. If operations have not commenced within one year of the Division's receipt of this supplementary notice, this notice will be considered cancelled.

CRITICAL WELL DEFINITION

As defined in the California Code of Regulations, Title 14, Section 1720 (a), "Critical well" means a well within:

- (1) 300 feet of the following:
 - (A) Any building intended for human occupancy that is not necessary to the operation of the well; or
 - (B) Any airport runway.
- (2) 100 feet of the following:
 - (A) Any dedicated public street, highway or the nearest rail of an operating railway that is in general use;
 - (B) Any navigable body of water or watercourse perennially covered by water;
 - (C) Any public recreational facility such as a golf course, amusement park, picnic ground, campground or any other area of periodic high-density population; or
 - (D) Any officially recognized wildlife preserve.

WELL OPERATIONS REQUIRING BONDING

1. Drilling, re-drilling, or deepening any well.
2. Milling out or removing a casing or liner.
3. Running and cementing casing or tubing.
4. Running and cementing liners and inner liners.
5. Perforating casing in a previously unperforated interval for production, injection, testing, observation, or cementing purposes.
6. Drilling out any type of permanent plug.
7. Reentering an abandoned well having no bond.

This form may be printed from the DOGGR website at www.conservation.ca.gov/dog/

CONFIDENTIAL

**Supplemental Notice to Original DOGGR
"Notice of Intention to Drill New Well"
ATTACHMENT**

DOM-001**NEW OPEN HOLE SLOTTED LINER PRODUCER**

Depths refer to the DF of 194.09' ASL

(Drill Floor elevation of 25.12' plus ground elevation of 168.97')

30", 118.6#, Grade B, welded conductor cemented at 103' md/ 103' vd
18-5/8", 87.5#, J-55, BTC structural casing cemented at 333' md/ 333' vd

13-3/8", 72#, L-80, BTC surface casing cemented at 1,998' md/ 1,986' vd

12-1/4" Open hole drilled from 1,998' to 7,245'.

(Proposed BFW at 2,187' md/ 2,164.1' vd/ 1,970.0' vss)

Drilling Rig Operations:

Directionally drill, survey, and log 12-1/4" hole from 7,254' to 8,510' md/ 8,381' vd. (Core 12-1/4" hole 7,497'-7,587' and 7,814'-7,904', as directed by Geologist.) Scheduled mud weight is 9.9 ppg, or as needed to prevent flow or tight hole. Wipe hole. Circulate and condition mud for logs, POH. Rig up Schlumberger high tension logging wireline truck. Run wireline tools (HNGS/ECS/Density/Neutron/HRLA/GR/SP) to 8,510' and log up to 1,800'. Run wireline tools (FMI/Sonic Scanner) to 8,510' and log up to 1,800'. Run wireline tools (CMR/XPT) to 8,510' and log up to 4,000', taking pressure stations as directed. Run MDT tool on drill pipe and condition mud on bottom. Take 5 fluid samples as directed. Run wireline tools (Sidewall Core Gun) and take 24 to 48 SWC's as directed. Pickup BNHO and ream 12-1/4" hole from 2000' to 8,510', as needed. Circulate and condition hole for casing, POH. Run 9-5/8", 53.5#, P-110 (8,500'-5,000') and T95 (5,000'-Surface) LTC intermediate casing. Land casing in wellhead with 9-5/8" shoe at 8,500'. Cement 9-5/8" casing around shoe, bringing TOC to 2,087' (100' above BFW). Install test plug and pressure test BOPE to 5,825 psi.

Pickup 8-1/2" tricone bit and NB stab on cleanout assembly with 9-5/8" casing scraper 30' up. Pressure test casing and BOPE to 5,325 psi. Drill out float collar at 8,416' and cement down to 8,480' (20' above shoe). Drill out 9-5/8" casing shoe at 8,500', 10' of cement, and 10' of new formation to 8,520'. Perform FIT to 15.8 ppg EMW. Pickup 8-1/2" PDC bit on Rotary Steerable System with 6-3/4" OnTrak MWD/LWD (GR/Resistivity/ECD)/6-3/4" NMDC's/5" HWDP on 5" drill pipe. Directionally drill, survey, and log 8-1/2" hole from 8,520' to 11,402' md/ 11,271' vd. (Core 8-1/2" hole 8,608'-8,668', 9,289'-9,349', 9,679'-9,739', and 10,201'-10,261', as directed by Geologist.) Scheduled mud weight will build from 9.9 ppg to 10.7 ppg, or as needed to prevent flow or tight hole. Wipe hole. Circulate and condition mud for logs, POH. Rig up Schlumberger high tension logging wireline truck. Run wireline tools (HNGS/ECS/Density/Neutron/HRLA/GR/SP) to 11,402' and log up to 8,300'. Run wireline tools (FMI/Sonic Scanner) to 11,402' and log up to 8,300'. Run wireline tools (CMR/XPT) to 11,402' and log up to 8,300', taking pressure stations as directed. Make cleanout run with 12-1/4" BNHO to 11,402' and condition mud. Run wireline tools (Sidewall Core Gun) and take 24 SWC's as directed. Run BNHO assembly and ream 12-1/4" hole from 8,500' to 11,402', as needed. Circulate and condition hole for liner, POH.

Supplemental Notice to Original DOGGR
“Notice of Intention to Drill New Well”
ATTACHMENT

Run 7", 32#, P-110, BTC production liner on 5" drill pipe to 11,400 (2' off bottom) and set BOT HSR II liner hanger/ZXP liner top packer at 8,200' md/ 8,083' vd (300' lap inside 9-5/8" casing). Release from hanger, but keep cementing cups stung into liner top. Cement 7" liner around shoe and bring cement to 7,700' (500' over liner top). Set 7" liner top packer and test. Reverse out excess cement and pull liner setting tool. Install test plug and pressure test BOPE to 7,780 psi.

Pickup 6" tricone bit on one joint of 3-1/2" drill pipe, hanging below 8-1/2" wheel type hole opener and 9-5/8" casing scraper. RIH on 5" drill pipe. Clean out cement down to 7" liner top at 8,200' and 30' inside 7" liner top to 8230'. Lay down 3,300' of 5" drill pipe. Run 9-5/8" Howco test packer, with downhole pressure gauge, on 5" drill pipe and set 100' above 7" liner top. Perform negative pressure test on lap section, to prove there is no fluid access to the well between the 9-5/8" casing and 7" liner. Pull packer. Pickup 6" tricone bit with 7" casing scraper, on 3,300' of 3-1/2" drill pipe. Continue in hole on 5" drill pipe and cleanout to landing collar at 11,316'. Pressure test 9-5/8" casing, 7" lap, and 7" liner to 6,600 psi. Drill out insert landing collar at 11,316', float collar at 11,358' and cement down to 11,380' (20' above shoe). Change over to fresh water and then to 11.2 ppg LVT 200 Synthetic Oil Based Mud. Drill out 7" liner shoe at 11,400'. (Will not perform FIT below shoe, because 6" hole section is the completion interval.) Pickup 6" PDC bit on Ultra X-treme mud motor with 4-3/4" OnTrak MWD/LWD tool (GR /Resistivity/ECD)/ 4-3/4" NMDC's /3-1/2" HWDP on combination of 3-1/2" x 5" drill pipe string. Directionally drill, survey, and log 6" hole from 11,400' to planned TD of 12,699' tmd/ 12,563' tvd. Scheduled mud weight will build from 10.7 ppg to 13.7 ppg, or as needed to prevent flow or tight hole. Wipe hole. Circulate and condition mud for logs, POH. Rig up Schlumberger high tension logging wireline truck. Run wireline tools (HNGS/ECS /Density/Neutron/AIT/GR/SP) to 12,699' and log up to 11,200'. Run wireline tools (OBMI/Sonic Scanner) to 12,699' and log up to 11,200'. Run MDT tool with packers and take pressure stations as directed. Run USI/GR/CBL tool and log 7" liner from 11,400' to 8200'. Run USI/GR/CBL tool and log 9-5/8" casing from 8200' to surface. Rig down Schlumberger wireline. (Analyze the USI log immediately to determine if the 7", 32#, L-80, LTC tieback string needs to be run to cover up casing wear in the 9-5/8" casing. The tieback is heavy enough that if needed, it will be run with the drilling rig.) Rig up Halliburton wireline. Run wireline MRIL tool (NMR) to 12,690' and log up to 11,200'. Run wireline tool (Sidewall Core Gun), taking 24 SWC's as directed. Rig down Halliburton wireline. Pickup BNHO and ream 6" hole from 11,400' to 12,690', as needed. Circulate and condition hole for liner, POH. Pickup 5", 18#, P-110, BTC liner (slotted 100M x 2", 16 R x 6" C). RIH on combination 3-1/2" x 5" drill pipe to 12,699 and set in 13.7 ppg LVT 200 Synthetic Oil Based Mud. Set BOT HSR II liner hanger/ZXP liner top packer at 11,300' md/ 11,170' vd (100' lap inside 7" liner) and release from hanger. POH, laying down 5" drill pipe, 3-1/2" drill pipe, and liner setting tools.

Supplemental Notice to Original DOGGR
“Notice of Intention to Drill New Well”
ATTACHMENT

Pickup 7" BOT HP completion packer and 2-7/8", 6.5 #, L-80 completion tubing string. RIH and set tail inside 5" liner at 11,300', landing tubing hanger at surface. Rig up wireline and set tubing plug in profile nipple above packer. Set BPV in tubing hanger. Nipple down 13-5/8", 10M BOPE. (If tieback string was run earlier, will need to set BP and install 13-5/8", 10M x 7-1/16", 10M tubing head spool, then pull BP before running tubing string.) Install 7-1/16", 10M x 3-1/16", 10M tree. Pressure test spool and production tree to 7780 psi. Rig down and move out H&P 236 drilling rig. Clean location.

Notes:

- *This "Supplementary Notice" is written to revise the drilling plans below 8500', as stated in the original "Notice of Intention to Drill New Well".*
- *Upon completion of the proposed work, a "Well Summary Report" will be submitted to the CDOGGR.*

Well: DOM-001 (Well in Prospect) Field: Domingu

Wellbore Schematic

12/05/10

MLM
30", 18-5/8", & 13-3/8" Csg - Cement to Surf

30", 118.6#, Welded Conductor grouted at 103' MD/ 103' VD

24" Conductor Hole Section
Install 16-3/4" Flange & N/U Diverter

MW: 10.0 ppg (WBM)

18-5/8", 87.5#, J-55 BTC Structural Csg cmt'd at 333' MD/ 333' VD

MW: 10.0 ppg (WBM)

(KOP at 1,100')

17-1/2" Surface Hole Section
(Build to 17.3° at 2°/100' DLS)

13-3/8", 72#, L-80 BTC Surface Csg cmt'd at 1,998' MD/ 1,986' VD

BFW - 2,187' MD / 2,164' VD

Potential Shallow Gas Sands below BFW at 2906' MD/ 2850' VD

Install 13-5/8" WH & N/U 10M BOPE

FIT Min: 12.3 ppg

9-5/8" Csg TOC at 2,087' (100' above BFW)

MW: 9.6 ppg at 3,000' MD / 2,940' VD

Base of Potential Gas Sands - 3,916' MD/ 3,829' VD

(Hold 17.3° from 1,963' to 3,295')

(Drop to 6.0° at 2°/100' DLS)

Target #1 at 4,011' MD/ 3,924' VD

Callender 1 (AA) - 4,018' MD/ 3,930' VD

12-1/4" Intermediate Hole Section

MW: 9.7 ppg at 4,500' MD / 4,410' VD

(Hold at 7.7° from 4,054' to 8,380')

(Drop f/ 7.7° to 5.1° at 2°/100' DLS)

Target #2 at 7,249' MD/ 7,144' VD

9-5/8", 53.5# T-95 LTC Int Csg Surf - 5,000 MD/ 4,907' VD

MW: 9.7 ppg at 5,500' MD / 5,404' VD

Callender 8 (D) - 6,917' MD / 6,814' VD

7" Liner TOC at 7700' (500' over 7" liner top)/
then cleanout cement to liner top & test lap
7" TLH at 8,200' MD/ 8,083' VD with
ZXP Liner Top Packer

MW: 9.9 ppg at 7,500' MD / 7,394' VD

9-5/8", 53.5#, P-110 LTC Int Csg 5,000 - 8,500 MD/ 8,381' VD

FIT Min: 15.8 ppg

MW: 9.9 ppg at 8,500' MD / 8,390' VD

Division C - 8,646' MD / 8,527' VD

(Hold at 5.1° from 8,509' to 12,699')

Division D - 9,418' MD / 9,295' VD

MW: 9.9 ppg at 10,100' MD / 9,984' VD

Division E - 10,204' MD / 10,078' VD

8-1/2" Production Hole Section

C50 Thrust Fault - 10,411' MD / 10,284' VD

Division D (repeat) - 10,463' MD / 10,336' VD

MW: 10.6 ppg at 11,000' MD / 10,880' VD

Division E (repeat) - 11,163' MD / 11,033' VD

5" TLH at 11,300' MD/ 11,170' VD

with SLP Liner Top Packer

MW: 10.7 ppg at 11,300' MD / 11,170' VD

FIT Min: 17.4 ppg

7", 32#, P-110 BTC Prod Liner at 11,400' MD/ 11,269' VD

Division F (Volcanics) - 11,409' MD / 11,278' VD

5" x 6" Swell Packer for Isolation

MW: 11.2 ppg at 11,800' MD / 11,677' VD

6" Production Hole Section

MW: 12.1 ppg at 12,000' MD / 11,876' VD

Schist Basement - 12,200' MD / 12,066' VD

5" x 6" Swell Packer for Isolation

MW: 12.9 ppg at 12,300' MD / 12,175' VD

Target #4 at 12,699' MD/ 12,563' TVD

MW: 13.7 ppg at 12,600' MD / 12,474' VD

Planned TD 12,699' MD / 12,563' TVD

5", 18#, P-110 BTC Slotted Lnr at 12,699' MD/ 12,563' VD

Occidental Petroleum Corporation



OXY USA Inc. LA Basin Asset

A subsidiary of Occidental Petroleum Corporation
301 E. Ocean Boulevard, Suite 300
Long Beach, CA. 90802

Fax Cover Sheet

Office:

Fax: (562) 495-1950

CONFIDENTIAL

From: CHRIS PHILLIPS

To: JOHN HUFF

Fax: _____

Number of pages including cover sheet: 7

Comments: Mike McCarter will email
casing diagram after this fax
is sent.

Well: DOM-001 (Western Prospect) Field: Dominguez - Wellbore Schematic

12/05/10

MLM

30", 18-5/8", & 13-3/8" Csg - Cement to Surf

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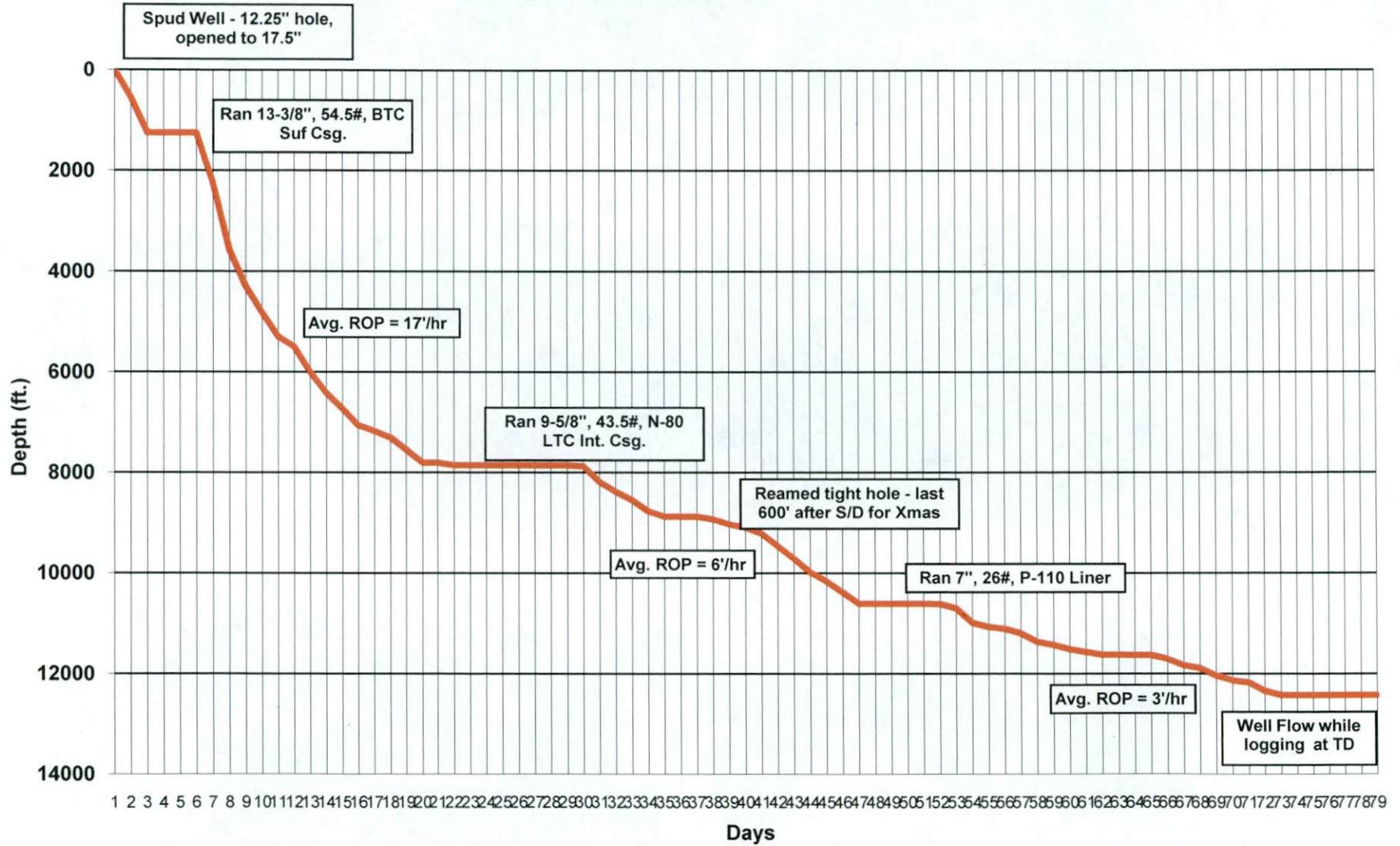
Planned TD 12,699' MD / 12,563' TVD

5", 18#, P-110 BTC Slotted Lnr at 12,699' MD/ 12,563' VD

Days	depth	Remarks		
0	0	Spud Well	8.5	
1	548	Spud 12-1/4" hole	9.5	
2	1250	Drill 12-1/4" hole	9.5	
3	1250	Opened hole to 17-1/2	9.5	
4	1250	Installed casing head / NU BOP	9.5	
5	1250	Test BOP	9.5	
6	2253	Drill 12-1/4" hole	9.5	
7	3568	Drill 12-1/4" hole	9.5	
8	4292	Drill 12-1/4" hole	9.5	
9	4817	Drill 12-1/4" hole	9.5	
10	5294	Drill 12-1/4" hole	9.5	
11	5494	Drill 12-1/4" hole	9.5	
12	6000	Drill 12-1/4" hole	9.5	
13	6412	Drill 12-1/4" hole	9.5	
14	6727	Drill 12-1/4" hole	9.5	
15	7056	Drill 12-1/4" hole	9.5	
16	7171	Drill 12-1/4" hole	9.5	
17	7303	Drill 12-1/4" hole	9.5	
18	7542	Drill 12-1/4" hole	9.5	
19	7802	Drill 12-1/4" hole	9.5	
20	7802	Drill 12-1/4" hole ran logs	9.5	
21	7852	Drill 12-1/4" hole	9.5	Hole Section Avg. ROP 17.19
22	7852	Ran 9-5/8", 43.5#, N80, LTC casing	9.5	
23	7852	Cementing	9.5	
24	7852	Testing casing / holes in casing?	9.5	
25	7852	Testing casing	9.5	
26	7852	Installing BOP	9.5	
27	7852	Testing casing	9.5	
28	7852	C/O float collar	9.5	
29	7873	Drill 8-1/2" hole	9.5	
30	8187	Drill 8-1/2" hole	9.6	
31	8376	Drill 8-1/2" hole	9.6	
32	8541	Drill 8-1/2" hole	9.6	
33	8765	Drill 8-1/2" hole	9.8	
34	8873	Drill 8-1/2" hole. POOH to shoe. Shut down for Xmas	9.8	
35	8873	Crews back. Circulated	9.8	
36	8873	Reamed tight hole	10.4	
37	8921	Reamed tight hole	10.7	
38	9023	Drill 8-1/2" hole	10.7	
39	9088	Drill 8-1/2" hole	10.7	
40	9206	Drill 8-1/2" hole	10.7	
41	9457	Drill 8-1/2" hole	10.7	
42	9708	Drill 8-1/2" hole	10.7	
43	9978	Drill 8-1/2" hole	11.2	
44	10156	Drill 8-1/2" hole	11.2	
45	10379	Drill 8-1/2" hole	11.2	
46	10600	Drill 8-1/2" hole	11.2	
47	10600	Ran logs - Decrease MW	10.8	Hole Section Avg. ROP 6.03
48	10600	Ran 7", 26#, P-110 LTC Liner (TLH @ 7088)	10.8	
49	10600	D/O cement and test lap	10.8	
50	10600	Installed Cameron gate. P/U 3-1/2" DP	10.8	
51	10605	D/O float	10.8	
52	10690	Drill 6-1/8" hole	10.8	
53	10980	Drill 6-1/8" hole	10.7	
54	11061	Drill 6-1/8" hole	10.7	
55	11100	Drill 6-1/8" hole	10.7	
56	11190	Drill 6-1/8" hole	10.7	
57	11360	Drill 6-1/8" hole	10.7	
58	11420	Drill 6-1/8" hole	10.7	
59	11508	Drill 6-1/8" hole	10.7	
60	11562	Drill 6-1/8" hole	10.7	
61	11619	Drill 6-1/8" hole	11.1	
62	11619	Circulated - Inc MW	11.5	
63	11620	Ran core barrel - twisted off DC	11.8	
64	11620	Fished and recovered	11.8	
65	11695	Drill 6-1/8" hole	11.8	
66	11828	Drill 6-1/8" hole	12.7	11840 Top of Schist
67	11881	Drill 6-1/8" hole	12.7	
68	12030	Drill 6-1/8" hole	12.7	
69	12128	Drill 6-1/8" hole	13.5	
70	12167	Drill 6-1/8" hole	13.5	
71	12332	Drill 6-1/8" hole	13.5	
72	12417	Drill 6-1/8" hole	13.5	
73	12417	Ran logs	13.5	Hole Section Avg. ROP 3.43
74	12417	Well Flowing - SIDPP-1100, SICP-1450 Circulated 14.4ppg MW)	14.4	
75	12417	Circulated and condition mud - well Dead	14.4	
76	12417	Circ. And cond mud - ran logs	14.4	
77	12417	Ran 5", 18#, N80 LTC Liner	14.4	
78	12417	Cement Liner	14.4	

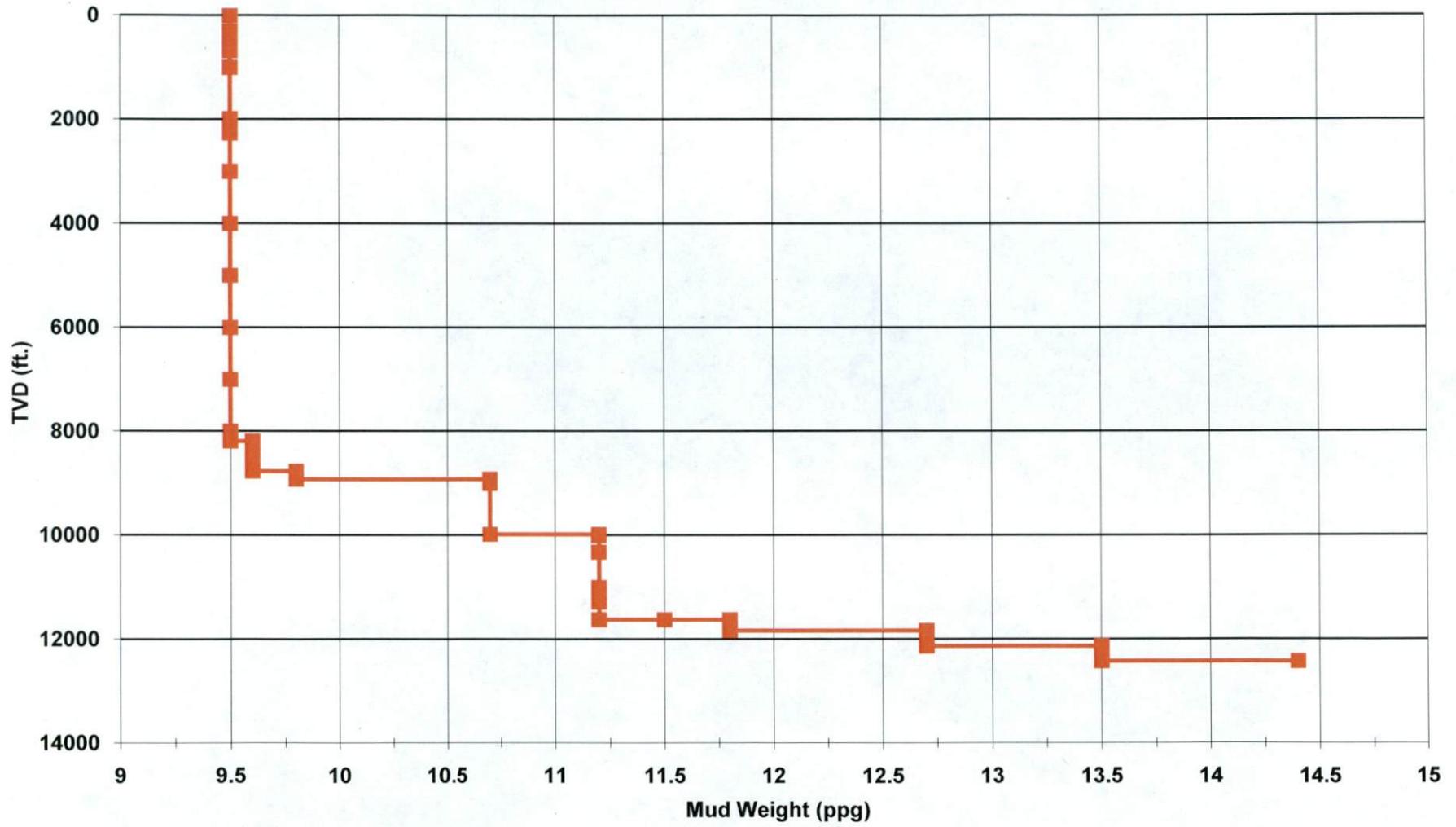
Callender 152

Days vs. Depth



70

Callender 152 Mud Weight History



69

Huff, John C.

From: Mike_McCarter@oxy.com
Sent: Wednesday, December 22, 2010 5:21 PM
To: Huff, John C.; Khan, Ali
Cc: Philip_Krueger@oxy.com; Max_Oyola@oxy.com; Dale_VanAelstyn@oxy.com; Scott_Cheeseman@oxy.com; Chris_Phillips@oxy.com; Ronald_Morse@oxy.com
Subject: RE: DOM-001
Attachments: DOM-001 Wellbore Schematic 12-05-10 DOG.PUB; Callender 152_Vs_DOM-001_MW_Plot_DP.xls

John,
Here is the additional information you requested regarding the proposed 5" liner.

Attached is the latest schematic. There are no significant changes from the version you have been working with.

Also attached is the original spreadsheet specifying the estimated reservoir pressures and the proposed mud weights.

The swell packer locations will be picked from the wireline open hole log, taken after the 6" hole is drilled. There wouldn't be a problem setting a swell packer at the interface between the Volcanics and the Schist at 12,200' md, but our intent for completion would be to attempt to flow the well with both zones open. The swell packers were proposed in an attempt to have isolation points throughout the completion, in case one interval or another is wet and produces too much water, potentially preventing the well from flowing. Being there are no other wells around this area producing from either of these two deep intervals, we don't see a problem producing them together.

We will be leaving 13.7 ppg oil base mud in the hole for the completion. The swell packers we are using are made to swell in oil within 2 days. So they will swell in the oil base mud while we have moved off and are drilling the next well. We don't need oil production from the zone to make them swell.

There are no plans to place cement in the production interval. We believe the production from these two lower intervals will be from fractures. Putting cement across the interval will just plug the fractures and make it harder to get the production out. Even if you perforate later, there is no guarantee you would reconnect back up to the fractures. That is the reason for the open hole completion.

If you have any other immediate questions, please contact Max Oyola. I will be out of the office until January 2nd, but will gladly answer any other questions at that time. Thanks.
-Mike

Mike McCarter
Senior Drilling Engineering Advisor
Thums Long Beach Company
Oxy Long Beach, Inc.
562-624-3247 (office)
562-900-1473 (cell)
mike mccarter@oxy.com

From: Huff, John C. [mailto:John.C.Huff@conservation.ca.gov]
Sent: Wednesday, December 22, 2010 3:32 PM
To: McCarter, Mike
Cc: Khan, Ali
Subject: DOM-001

Mike,

The 5M rated annular preventer on the BOPE stack will need to be upgraded to a 10M rated annular preventer prior to drilling below the shoe of the 7" liner. In this case, we will need to witness another BOPE test after the 10M annular preventer is installed but before drilling out the shoe of the 7" liner.

I also need additional information regarding the proposed 5" liner. The diagram shows the liner opposite Division F (Volcanics) and Schist Basement zones. The Division needs to insure that all zones are isolated from each other, especially in an exploratory well. Where will the swell packers be located to isolate these bottom two zones from each other? What fluid will trigger the expansion of the swell packers? If the packers do fail in the future, will any cement also be present behind the 5" liner to ensure adequate zonal isolation?

Thanks,

John Huff

Associate Oil & Gas Engineer

Department of Conservation

Division of Oil, Gas & Geothermal Resources

5816 Corporate Ave., Suite 200

Cypress, CA 90630-4731

(714) 816-6847

Callender 152		Callender 152		DOM-001			DOM-001		DOM-001		DOM-001	
Actual		Actual		Assumed			DOGGR		Assumed		Planned	
Depth	MW	Mud Gradient	Mud BHP	Resv Press	Resv Grad	Resv EMW	Frac Grad	Frac EMW	Frac Grad	Frac EMW	MW	OverBalance
0	9.5	0.494	0	0	#DIV/0!	#DIV/0!	0.600	11.5	0.570	11.0	#DIV/0!	0
300	9.5	0.494	148	133	0.444	8.5	0.610	11.7	0.580	11.2	10.0	23
500	9.5	0.494	247	222	0.444	8.5	0.615	11.8	0.585	11.3	10.0	37
680	9.5	0.494	336	302	0.444	8.5	0.620	11.9	0.590	11.3	10.0	50
1000	9.5	0.494	494	444	0.444	8.5	0.630	12.1	0.600	11.5	10.0	75
1985	9.5	0.494	981	881	0.444	8.5	0.655	12.6	0.625	12.0	10.0	148
2000	9.5	0.494	988	888	0.444	8.5	0.660	12.7	0.630	12.1	10.0	150
2263	9.5	0.494	1118	1005	0.444	8.5	0.665	12.8	0.635	12.2	10.0	170
3000	9.5	0.494	1482	1332	0.444	8.5	0.690	13.3	0.660	12.7	9.8	200
4000	9.5	0.494	1976	1776	0.444	8.5	0.720	13.8	0.690	13.3	9.5	200
5000	9.5	0.494	2470	2220	0.444	8.5	0.750	14.4	0.720	13.8	9.3	200
6000	9.5	0.494	2964	2664	0.444	8.5	0.780	15.0	0.750	14.4	9.2	200
7000	9.5	0.494	3458	3108	0.444	8.5	0.810	15.6	0.780	15.0	9.1	200
8000	9.5	0.494	3952	3552	0.444	8.5	0.840	16.2	0.810	15.6	9.0	200
8141	9.5	0.494	4022	3617	0.444	8.5	0.845	16.3	0.815	15.7	9.0	200
8187	9.5	0.494	4044	3634	0.444	8.5	0.845	16.3	0.815	15.7	9.0	200
8187	9.6	0.499	4087	3677	0.449	8.6	0.845	16.3	0.815	15.7	9.1	200
8390	9.6	0.499	4188	3768	0.449	8.6	0.850	16.3	0.820	15.8	9.1	200
8517	9.6	0.499	4252	3827	0.449	8.6	0.855	16.4	0.825	15.9	9.1	200
8765	9.6	0.499	4375	3940	0.450	8.6	0.860	16.5	0.830	16.0	9.1	200
8765	9.8	0.510	4467	4032	0.460	8.8	0.860	16.5	0.830	16.0	9.3	200
8800	9.8	0.510	4484	4044	0.460	8.8	0.860	16.5	0.830	16.0	9.3	200
8921	9.8	0.510	4546	4101	0.460	8.8	0.865	16.6	0.835	16.1	9.3	200
8921	10.7	0.556	4964	4519	0.507	9.7	0.865	16.6	0.835	16.1	10.2	200
9000	10.7	0.556	5008	4558	0.506	9.7	0.870	16.7	0.840	16.2	10.2	200
9978	10.7	0.556	5552	5052	0.506	9.7	0.895	17.2	0.865	16.6	10.1	200
9978	11.2	0.582	5811	5311	0.532	10.2	0.895	17.2	0.865	16.6	10.6	200
10000	11.2	0.582	5824	5324	0.532	10.2	0.900	17.3	0.870	16.7	10.6	200
10323	11.2	0.582	6012	5497	0.533	10.2	0.910	17.5	0.880	16.9	10.6	200
11000	11.2	0.582	6406	5846	0.531	10.2	0.930	17.9	0.900	17.3	10.6	200
11277	11.2	0.582	6568	6068	0.538	10.3	0.935	18.0	0.905	17.4	10.7	200
11619	11.2	0.582	6767	6187	0.532	10.2	0.950	18.3	0.920	17.7	10.6	200
11619	11.5	0.598	6948	6368	0.548	10.5	0.950	18.3	0.920	17.7	10.9	200
11620	11.5	0.598	6949	6369	0.548	10.5	0.950	18.3	0.920	17.7	10.9	200
11620	11.8	0.614	7130	6550	0.564	10.8	0.950	18.3	0.920	17.7	11.2	200
11828	11.8	0.614	7258	6668	0.564	10.8	0.955	18.4	0.925	17.8	11.2	200
11828	12.7	0.660	7811	7221	0.611	11.7	0.955	18.4	0.925	17.8	12.1	200
12000	12.7	0.660	7925	7325	0.610	11.7	0.960	18.5	0.930	17.9	12.1	200
12128	12.7	0.660	8009	7404	0.611	11.7	0.965	18.6	0.935	18.0	12.1	200
12128	13.5	0.702	8514	7909	0.652	12.5	0.965	18.6	0.935	18.0	12.9	200
12417	13.5	0.702	8717	8097	0.652	12.5	0.970	18.7	0.940	18.1	12.8	200
12417	14.4	0.749	9298	8678	0.699	13.4	0.970	18.7	0.940	18.1	13.7	200
12564	14.4	0.749	9408	8783	0.699	13.4	0.975	18.8	0.945	18.2	13.7	200

Callender 152 Actual		Callender 152 Actual		DOM-001 Assumed			DOM-001 DOGGR		DOM-001 Assumed		DOM-001 Planned			
Depth	MW	Mud Gradie	Mud BHP	Resv Pres	Resv Grad	Resv EMW	Frac Grad	Frac EMW	Frac Grad	Frac EMW	MW	OverBalance		
				0	#DIV/0!	#DIV/0!	0.600	11.5	0.570	11.0	#DIV/0!	0		
300	9.5	0.494	148	133	0.444	8.5	0.610	11.7	0.580	11.2	10.0	23		
500	9.5	0.494	247	222	0.444	8.5	0.615	11.8	0.585	11.3	10.0	37		
680	9.5	0.494	336	302	0.444	8.5	0.620	11.9	0.590	11.3	10.0	50		
1000	9.5	0.494	494	444	0.444	8.5	0.630	12.1	0.600	11.5	10.0	75		
2000	9.5	0.494	988	888	0.444	8.5	0.660	12.7	0.630	12.1	10.0	150		
2263	9.5	0.494	1118	1005	0.444	8.5	0.665	12.8	0.635	12.2	10.0	175		
3000	9.5	0.494	1482	1332	0.444	8.5	0.690	13.3	0.660	12.7	9.8	200		
4000	9.5	0.494	1976	1776	0.444	8.5	0.720	13.8	0.690	13.3	9.5	200		
5000	9.5	0.494	2470	2220	0.444	8.5	0.750	14.4	0.720	13.8	9.3	200		
6000	9.5	0.494	2964	2664	0.444	8.5	0.780	15.0	0.750	14.4	9.2	200		
7000	9.5	0.494	3458	3108	0.444	8.5	0.810	15.6	0.780	15.0	9.1	200		
8000	9.5	0.494	3952	3552	0.444	8.5	0.840	16.2	0.810	15.6	9.0	200		
8187	9.5	0.494	4044	3639	0.445	8.5	0.845	16.3	0.815	15.7	9.0	200		
8187	9.6	0.499	4087	3682	0.450	8.6	0.845	16.3	0.815	15.7	9.1	200		
8765	9.6	0.499	4375	3940	0.450	8.6	0.860	16.5	0.830	16.0	9.1	200		
8765	9.8	0.510	4467	4032	0.460	8.8	0.860	16.5	0.830	16.0	9.3	200		
8800	9.8	0.510	4484	4044	0.460	8.8	0.865	16.6	0.835	16.1	9.3	200		
8921	9.8	0.510	4546	4101	0.460	8.8	0.865	16.6	0.835	16.1	9.3	200		
8921	10.7	0.556	4964	4519	0.507	9.7	0.865	16.6	0.835	16.1	10.2	200		
9000	10.7	0.556	5008	4558	0.506	9.7	0.870	16.7	0.840	16.2	10.2	200		
9978	10.7	0.556	5552	5052	0.506	9.7	0.895	17.2	0.865	16.6	10.1	200		
9978	11.2	0.582	5811	5311	0.532	10.2	0.895	17.2	0.865	16.6	10.6	200		
11619	11.2	0.582	6767	6187	0.532	10.2	0.950	18.3	0.920	17.7	10.6	200		
11619	11.5	0.598	6948	6368	0.548	10.5	0.950	18.3	0.920	17.7	10.9	200		
11620	11.5	0.598	6949	6369	0.548	10.5	0.950	18.3	0.920	17.7	10.9	200		
11620	11.8	0.614	7130	6550	0.564	10.8	0.950	18.3	0.920	17.7	11.2	200		
11828	11.8	0.614	7258	6668	0.564	10.8	0.955	18.4	0.925	17.8	11.2	200		
11828	12.7	0.660	7811	7221	0.611	11.7	0.955	18.4	0.925	17.8	12.1	200		
12128	12.7	0.660	8009	7404	0.611	11.7	0.965	18.6	0.935	18.0	12.1	200		
12128	13.5	0.702	8514	7909	0.652	12.5	0.965	18.6	0.935	18.0	12.9	200		
12417	13.5	0.702	8717	8097	0.652	12.5	0.975	18.8	0.945	18.2	12.8	200		
12417	14.4	0.749	9298	8678	0.699	13.4	0.975	18.8	0.945	18.2	13.7	200		

9-5/8" Casing to be set at
Gradient at Casing Shoe 8786 Feet TVD
0.460 psi/ft

Casing	Grad at Shoe	TVD	Planned Mud Gradient	Over Balance at Shoe
8786	0.460	8800	0.482	196.54
8786	0.460	8921	0.482	197.54
8786	0.460	8921	0.528	614.63
8786	0.460	9000	0.528	617.24
8786	0.460	9978	0.526	661.51
8786	0.460	9978	0.552	920.68
8786	0.460	11619	0.549	1041.46
8786	0.460	11619	0.565	1222.54
8786	0.460	11620	0.565	1222.67
8786	0.460	11620	0.580	1403.76
8786	0.460	11828	0.580	1425.70
8786	0.460	11828	0.627	1978.69
8786	0.460	12128	0.626	2023.78
8786	0.460	12128	0.668	2527.80
8786	0.460	12417	0.668	2582.69
8786	0.460	12417	0.714	3163.22

65

NATURAL RESOURCES AGENCY
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

Cypress, California
December 17, 2010

CONFIDENTIAL WELL

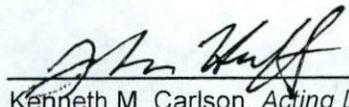
Chris Phillips, Agent
OXY USA, INC.
301 East Ocean Blvd.
Long Beach, CA 90801

I have received your **supplementary** notice dated **12/6/2010**, of your intention to **drill** well **DOM-001**,
API# **037-27124**, Sec. **33**, T. **3S**, R. **13W**, **SB B. & M.**, **Dominguez** Field.

In order to process your notice, the depths of the swell packers on the proposed 5" liner are needed. If
you have any questions, please call John Huff at (714) 816-6847.

Elena M. Miller

State Oil and Gas Supervisor

By: 
For: Kenneth M. Carlson, Acting District Deputy

JCH:jch

cc: well file

CRITICAL WELL DEFINITION

As defined in the California Code of Regulations, Title 14, Section 1720 (a), "Critical well" means a well within:

- (1) 300 feet of the following:
 - (A) Any building intended for human occupancy that is not necessary to the operation of the well; or
 - (B) Any airport runway.
- (2) 100 feet of the following:
 - (A) Any dedicated public street, highway or the nearest rail of an operating railway that is in general use;
 - (B) Any navigable body of water or watercourse perennially covered by water;
 - (C) Any public recreational facility such as a golf course, amusement park, picnic ground, campground or any other area of periodic high-density population; or
 - (D) Any officially recognized wildlife preserve.

WELL OPERATIONS REQUIRING BONDING

1. Drilling, re-drilling, or deepening any well.
2. Milling out or removing a casing or liner.
3. Running and cementing casing or tubing.
4. Running and cementing liners and inner liners.
5. Perforating casing in a previously unperforated interval for production, injection, testing, observation, or cementing purposes.
6. Drilling out any type of permanent plug.
7. Reentering an abandoned well having no bond.

This form may be printed from the DOGGR website at www.conservation.ca.gov/dog/

CONFIDENTIAL

**Supplemental Notice to Original DOGGR
"Notice of Intention to Drill New Well"
ATTACHMENT**

DOM-001**NEW OPEN HOLE SLOTTED LINER PRODUCER**

Depths refer to the DF of 194.09' ASL

(Drill Floor elevation of 25.12' plus ground elevation of 168.97')

30", 118.6#, Grade B, welded conductor cemented at 103' md/ 103' vd
18-5/8", 87.5#, J-55, BTC structural casing cemented at 333' md/ 333' vd
13-3/8", 72#, L-80, BTC surface casing cemented at 1,998' md/ 1,986' vd

12-1/4" Open hole drilled from 1,998' to 7,245'.

(Proposed BFW at 2,187' md/ 2,164.1' vd/ 1,970.0' vss)

Drilling Rig Operations:

Directionally drill, survey, and log 12-1/4" hole from 7,254' to 8,510' md/ 8,381' vd. (Core 12-1/4" hole 7,497' - 7,587' and 7,814' - 7,904', as directed by Geologist.) Scheduled mud weight is 9.9 ppg, or as needed to prevent flow or tight hole. Wipe hole. Circulate and condition mud for logs, POH. Rig up Schlumberger high tension logging wireline truck. Run wireline tools (HNGS/ECS/Density/Neutron/HRLA/GR/SP) to 8,510' and log up to 1,800'. Run wireline tools (FMI/Sonic Scanner) to 8,510' and log up to 1,800'. Run wireline tools (CMR/XPT) to 8,510' and log up to 4,000', taking pressure stations as directed. Run MDT tool on drill pipe and condition mud on bottom. Take 5 fluid samples as directed. Run wireline tools (Sidewall Core Gun) and take 24 to 48 SWC's as directed. Pickup BNHO and ream 12-1/4" hole from 2000' to 8,510', as needed. Circulate and condition hole for casing, POH. Run 9-5/8", 53.5#, P-110 (8,500'-5,000') and T95 (5,000'-Surface) LTC intermediate casing. Land casing in wellhead with 9-5/8" shoe at 8,500'. Cement 9-5/8" casing around shoe, bringing TOC to 2,087' (100' above BFW). Install test plug and pressure test BOPE to 5,825 psi.

Pickup 8-1/2" tricone bit and NB stab on cleanout assembly with 9-5/8" casing scraper 30' up. Pressure test casing and BOPE to 5,325 psi. Drill out float collar at 8,416' and cement down to 8,480' (20' above shoe). Drill out 9-5/8" casing shoe at 8,500', 10' of cement, and 10' of new formation to 8,520'. Perform FIT to 15.8 ppg EMW. Pickup 8-1/2" PDC bit on Rotary Steerable System with 6-3/4" OnTrak MWD/LWD (GR/Resistivity/ECD)/6-3/4" NMDC's/5" HWDP on 5" drill pipe. Directionally drill, survey, and log 8-1/2" hole from 8,520' to 11,402' md/ 11,271' vd. (Core 8-1/2" hole 8,608' - 8,668', 9,289' - 9,349', 9,679' - 9,739', and 10,201' - 10,261', as directed by Geologist.) Scheduled mud weight will build from 9.9 ppg to 10.7 ppg, or as needed to prevent flow or tight hole. Wipe hole. Circulate and condition mud for logs, POH. Rig up Schlumberger high tension logging wireline truck. Run wireline tools (HNGS/ECS /Density/Neutron/HRLA/GR/SP) to 11,402' and log up to 8,300'. Run wireline tools (FMI/Sonic Scanner) to 11,402' and log up to 8,300'. Run wireline tools (CMR/XPT) to 11,402' and log up to 8,300', taking pressure stations as directed. Make cleanout run with 12-1/4" BNHO to 11,402' and condition mud. Run wireline tools (Sidewall Core Gun) and take 24 SWC's as directed. Run BNHO assembly and ream 12-1/4" hole from 8,500' to 11,402', as needed. Circulate and condition hole for liner, POH.

Supplemental Notice to Original DOGGR
“Notice of Intention to Drill New Well”
ATTACHMENT

Run 7", 32#, P-110, BTC production liner on 5" drill pipe to 11,400 (2' off bottom) and set BOT HSR II liner hanger/ZXP liner top packer at 8,200' md/ 8,083' vd (300' lap inside 9-5/8" casing). Release from hanger, but keep cementing cups stung into liner top. Cement 7" liner around shoe and bring cement to 7,700' (500' over liner top). Set 7" liner top packer and test. Reverse out excess cement and pull liner setting tool. Install test plug and pressure test BOPE to 7,780 psi.

Pickup 6" tricone bit on one joint of 3-1/2" drill pipe, hanging below 8-1/2" wheel type hole opener and 9-5/8" casing scraper. RIH on 5" drill pipe. Clean out cement down to 7" liner top at 8,200' and 30' inside 7" liner top to 8230'. Lay down 3,300' of 5" drill pipe. Run 9-5/8" Howco test packer, with downhole pressure gauge, on 5" drill pipe and set 100' above 7" liner top. Perform negative pressure test on lap section, to prove there is no fluid access to the well between the 9-5/8" casing and 7" liner. Pull packer. Pickup 6" tricone bit with 7" casing scraper, on 3,300' of 3-1/2" drill pipe. Continue in hole on 5" drill pipe and cleanout to landing collar at 11,316'. Pressure test 9-5/8" casing, 7" lap, and 7" liner to 6,600 psi. Drill out insert landing collar at 11,316', float collar at 11,358' and cement down to 11,380' (20' above shoe). Change over to fresh water and then to 11.2 ppg LVT 200 Synthetic Oil Based Mud. Drill out 7" liner shoe at 11,400'. (Will not perform FIT below shoe, because 6" hole section is the completion interval.) Pickup 6" PDC bit on Ultra X-treme mud motor with 4-3/4" OnTrak MWD/LWD tool (GR /Resistivity/ECD)/ 4-3/4" NMDC's /3-1/2" HWDP on combination of 3-1/2" x 5" drill pipe string. Directionally drill, survey, and log 6" hole from 11,400' to planned TD of 12,699' tmd/ 12,563' tvd. Scheduled mud weight will build from 10.7 ppg to 13.7 ppg, or as needed to prevent flow or tight hole. Wipe hole. Circulate and condition mud for logs, POH. Rig up Schlumberger high tension logging wireline truck. Run wireline tools (HNGS/ECS /Density/Neutron/AIT/GR/SP) to 12,699' and log up to 11,200'. Run wireline tools (OBMI/Sonic Scanner) to 12,699' and log up to 11,200'. Run MDT tool with packers and take pressure stations as directed. Run USI/GR/CBL tool and log 7" liner from 11,400' to 8200'. Run USI/GR/CBL tool and log 9-5/8" casing from 8200' to surface. Rig down Schlumberger wireline. Analyze the USI log immediately to determine if the 7", 32#, L-80, LTC tieback string needs to be run to cover up casing wear in the 9-5/8" casing. The tieback is heavy enough that if needed, it will be run with the drilling rig. Rig up Halliburton wireline. Run wireline MRIL tool (NMR) to 12,690' and log up to 11,200'. Run wireline tool (Sidewall Core Gun), taking 24 SWC's as directed. Rig down Halliburton wireline. Pickup BNHO and ream 6" hole from 11,400' to 12,690', as needed. Circulate and condition hole for liner, POH. Pickup 5", 18#, P-110, BTC liner (slotted 100M x 2", 16 R x 6" C). RIH on combination 3-1/2" x 5" drill pipe to 12,699 and set in 13.7 ppg LVT 200 Synthetic Oil Based Mud. Set BOT HSR II liner hanger/ZXP liner top packer at 11,300' md/ 11,170' vd (100' lap inside 7" liner) and release from hanger. POH, laying down 5" drill pipe, 3-1/2" drill pipe, and liner setting tools.

Supplemental Notice to Original DOGGR
“Notice of Intention to Drill New Well”
ATTACHMENT

Pickup 7” BOT HP completion packer and 2-7/8”, 6.5 #, L-80 completion tubing string. RIH and set tail inside 5” liner at 11,300’, landing tubing hanger at surface. Rig up wireline and set tubing plug in profile nipple above packer. Set BPV in tubing hanger. Nipple down 13-5/8”, 10M BOPE. (If tieback string was run earlier, will need to set BP and install 13-5/8”, 10M x 7-1/16”, 10M tubing head spool, then pull BP before running tubing string.) Install 7-1/16”, 10M x 3-1/16”, 10M tree. Pressure test spool and production tree to 7780 psi. Rig down and move out H&P 236 drilling rig. Clean location.

Notes:

- This “Supplementary Notice” is written to revise the drilling plans below 8500’, as stated in the original “Notice of Intention to Drill New Well”.
- Upon completion of the proposed work, a “Well Summary Report” will be submitted to the CDOGGR.

Well: DOM-001 (Well in Prospect) Field: Domingu

Wellbore Schematic

12/05/10

MLM
30", 18-5/8", & 13-3/8" Csg - Cement to Surf

24" Conductor Hole Section
Install 16-3/4" Flange & N/U Diverter

(KOP at 1,100')

17-1/2" Surface Hole Section
(Build to 17.3° at 2°/100' DLS)

Install 13-5/8" WH & N/U 10M BOPE

FIT Min: 12.3 ppg

9-5/8" Csg TOC at 2,087' (100' above BFW)

(Hold 17.3° from 1,963' to 3,295')

(Drop to 6.0° at 2°/100' DLS)

Target #1 at 4,011' MD/ 3,924' VD

12-1/4" Intermediate Hole Section

(Hold at 7.7° from 4,054' to 8,380')

(Drop f/ 7.7° to 5.1° at 2°/100' DLS)

Target #2 at 7,249' MD/ 7,144' VD

7" Liner TOC at 7700' (500' over 7" liner top)/
then cleanout cement to liner top & test lap

7" TLH at 8,200' MD/ 8,083' VD with
ZXP Liner Top Packer

FIT Min: 15.8 ppg

(Hold at 5.1° from 8,509' to 12,699')

8-1/2" Production Hole Section

5" TLH at 11,300' MD/ 11,170' VD

with SLP Liner Top Packer

FIT Min: 17.4 ppg

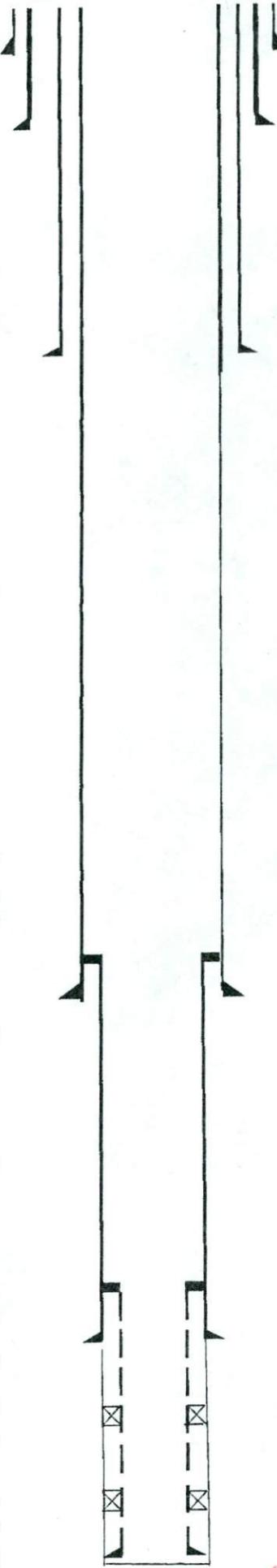
5" x 6" Swell Packer for Isolation

6" Production Hole Section

5" x 6" Swell Packer for Isolation

Target #4 at 12,699' MD/ 12,563' TVD

Planned TD 12,699' MD / 12,563' TVD



30", 118.6#, Welded Conductor grouted at 103' MD/ 103' VD

MW: 10.0 ppg (WBM)

18-5/8", 87.5#, J-55 BTC Structural Csg cmt'd at 333' MD/ 333' VD

MW: 10.0 ppg (WBM)

13-3/8", 72#, L-80 BTC Surface Csg cmt'd at 1,998' MD/ 1,986' VD

BFW - 2,187' MD / 2,164' VD

Potential Shallow Gas Sands below BFW at 2906' MD/ 2850' VD

MW: 9.6 ppg at 3,000' MD / 2,940' VD

Base of Potential Gas Sands - 3,916' MD/ 3,829' VD

Callender 1 (AA) - 4,018' MD/ 3,930' VD

MW: 9.7 ppg at 4,500' MD / 4,410' VD

9-5/8", 53.5# T-95 LTC Int Csg Surf - 5,000 MD/ 4,907' VD

MW: 9.7 ppg at 5,500' MD / 5,404' VD

Callender 8 (D) - 6,917' MD / 6,814' VD

MW: 9.9 ppg at 7,500' MD / 7,394' VD

9-5/8", 53.5#, P-110 LTC Int Csg 5,000 - 8,500 MD/ 8,381' VD

MW: 9.9 ppg at 8,500' MD / 8,390' VD

Division C - 8,646' MD / 8,527' VD

Division D - 9,418' MD / 9,295' VD

MW: 9.9 ppg at 10,100' MD / 9,984' VD

Division E - 10,204' MD / 10,078' VD

C50 Thrust Fault - 10,411' MD / 10,284' VD

Division D (repeat) - 10,463' MD / 10,336' VD

MW: 10.6 ppg at 11,000' MD / 10,880' VD

Division E (repeat) - 11,163' MD / 11,033' VD

MW: 10.7 ppg at 11,300' MD / 11,170' VD

7", 32#, P-110 BTC Prod Liner at 11,400' MD/ 11,269' VD

Division F (Volcanics) - 11,409' MD / 11,278' VD

MW: 11.2 ppg at 11,800' MD / 11,677' VD

MW: 12.1 ppg at 12,000' MD / 11,876' VD

Schist Basement - 12,200' MD / 12,066' VD

MW: 12.9 ppg at 12,300' MD / 12,175' VD

MW: 13.7 ppg at 12,600' MD / 12,474' VD

5", 18#, P-110 BTC Slotted Lnr at 12,699' MD/ 12,563' VD

NATURAL RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. P 110-0286

PERMIT TO CONDUCT WELL OPERATIONS

208
Field Code

00
Area Code

--
(New Pool Code)

--
(Old Pool Code)

CONFIDENTIAL WELL
EXPLORATORY WELL

Chris Phillips, Agent
Oxy USA, Inc.
301 East Ocean Blvd.
Long Beach, CA 90801

Cypress, California
September 16, 2010

Your proposal to drill well DOM-001, A.P.I. No. 037-27124, Section 33, T. 3S, R. 13W, S.B. B. & M., Dominguez Field, -- area, Division C, Division D, Division E, Division F, and Schist Basement pools, Los Angeles County, dated 4/14/2010, received 4/15/2010 has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED:

1. Blowout prevention equipment, as defined by this Division's publication No. M07, shall be installed and maintained in operating condition and meet the following minimum requirements:
 - a. A 6" diverter system on the 18 5/8" casing.
 - b. Class IVB5M, with hydraulic controls, on the 13 3/8" casing prior to setting the 9 5/8" casing.
 - c. Class IVB10M, with hydraulic controls, on the 13 3/8" casing after setting the 9 5/8" casing.
2. Drilling fluid in sufficient quantity and quality to control all subsurface conditions in order to prevent blowouts shall be used.
3. Sufficient material to control lost circulation of hole fluid shall be available for immediate use at the well site.
4. The 13 3/8" casing shall be set prior to drilling below 2000' TVD, and cemented with sufficient cement to fill behind the casing from the casing shoe to the surface.
5. The 9 5/8" casing is cemented with sufficient cement to fill behind the casing to at least 500' above all oil, gas zones and/or anomalous pressure intervals and to at least 100' above the base of freshwater zone.
6. A fluid-entry test shall be performed to demonstrate that no fluid has access to the well between the 9 5/8" and 7" casings after cleaning out below the top of the 7" casing.
7. A directional survey shall be made and filed with this Division within 15 days of completion of drilling.
8. A Supplementary Notice shall be filed with this Division prior to completion of the well.
9. This Division shall be consulted and a Supplementary Notice may be required before making any changes in the proposed program.
10. **THIS DIVISION SHALL BE NOTIFIED TO:**
 - a. Inspect the diverter system prior to drilling out cement in the shoe of the 18 5/8" casing.
 - b. Witness a test of the installed blowout prevention equipment prior to drilling out cement in the shoe of the 13 3/8" casing.
 - c. Witness a test of the installed blowout prevention equipment prior to drilling out cement in the shoe of the 9 5/8" casing.
 - c. Witness a test to demonstrate there is no fluid access to the well between the 9 5/8" and 7" casings, after cleaning out below the top of the casing lap.

(Continued on Page 2)

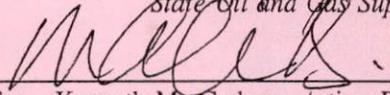
JCH:jch
cc: Update
EDP
L.A. County Fire Department
BLANKET BOND

Engineer: John Huff

Phone: 714/816-6847

Elena M. Miller

State Oil and Gas Supervisor

By 
For Kenneth M. Carlson, Acting Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended. Issuance of this permit does not affect the Operator's responsibility to comply with other applicable state, federal and local laws, regulations and ordinances.

NOTE:

1. A crew drill may be required at the time of the blowout prevention equipment test.
2. The base of the freshwater zone is at 2189' +/- MD (2163' +/- TVD).
3. This well has been granted confidential status for two years from the cessation of drilling operations.
4. This permit was held in abeyance pending CEQA review, and review of additional geologic and engineering data.



NATURAL RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

FOR DIVISION USE ONLY		
Bond	Forms	
	OGD114	OGD121
bb	4-24-10 Rf	4-19-10 Kf

REC'D APR 15 2010
P# 110-0286

REC'D APR 15 2010

OG/
SCH

NOTICE OF INTENTION TO DRILL NEW WELL

Detailed instructions can be found at: www.conservation.ca.gov/dog/

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to drill well DOM-001, well type Producer, API No. 037-27124 (Assigned by Division)

Sec. 33, T.3S, R. 13W, S.B. B.&M., Dominguez Field, Los Angeles County.

Legal description of mineral-right lease, consisting of 530+/- acres (attach map or plat to scale), is as follows:
See attached Mineral Lease Legal Description and Lease Map

Do mineral and surface leases coincide? Yes No . If answer is no, attach legal description of both surface and mineral leases, and map or plat to scale.

Location of well _____ feet _____ along section / property line and _____ feet _____ (Direction) (Check one)

at right angles to said line from the _____ corner of section / property and (Check one)

Lat./Long. in decimal degrees, to six decimal places, NAD 83 format: Latitude: 33.863500 Longitude: -118.244100

If well is to be directionally drilled, show proposed coordinates (from surface location) and true vertical depth at total depth:

956.8 feet North and 87.3 feet East. Estimated true vertical depth 12,557. Elevation of ground above sea level 168' feet. All depth measurements taken from top of Drill Floor that is 25 feet above ground. (Derrick Floor, Rotary Table, or Kelly Bushing)

Is this a critical well as defined in the California Code of Regulations, Title 14, Section 1720(a) (see next page)? Yes No

Is a California Environmental Quality Act (CEQA) document required by a local agency? Yes No . If yes, see next page.
Oil & gas drilling was evaluated by the City of Carson in the Dominguez Technology Centre Specific Plan/Environmental Impact Report (SCH #1989010150).

PROPOSED CASING PROGRAM

SIZE OF CASING (Inches API)	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS	FORMATION PRESSURE (Estimated Maximum)	CALCULATED FILL BEHIND CASING (Linear Feet)
13-3/8"	72#	L-80	Surface	2000'	2000'	1,040 psi	2000' (to Surface)
9-5/8"	53.5#	T95 & P110	Surface	10,000'	10,000'	5,824 psi	10,000' to 2,063'
7"	32#	P110	9,800'	12,716'	12,716'	8,880 psi	12,714' to 9,400'

(Attach a complete drilling program including wellbore schematics in addition to the above casing program.)

Estimated depth of base of fresh water: 2,163' Anticipated geological markers: Callender 1 to 8, Div. C to F (Name, depth)

Intended zone(s) of completion: Div. C to F, 12,138' TVD, 8,580 psi Estimated total depth: 12,716.2' (Name, depth and expected pressure)

The Division must be notified immediately of changes to the proposed operations. Failure to provide a true and accurate representation of the well and proposed operations may cause rescission of the permit.

Name of Operator
OXY USA Inc.

Address: 301 East Ocean Blvd. City/State: Long Beach, CA Zip Code: 90801

Name of Person Filing Notice: Chris Phillips Telephone Number: (562) 495-9349 Signature: Chris Phillips Date: 4/14/2010

Individual to contact for technical questions: Max Oyola Telephone Number: 562-624-3239 E-Mail Address: Max_Oyola@oxy.com

This notice and an indemnity or cash bond shall be filed, and approval given, before drilling begins. If operations have not commenced within one year of the Division's receipt of the notice, this notice will be considered cancelled.

Confidential
NB: Update on map. (did not enter on 114) ss

INFORMATION FOR COMPLIANCE WITH THE CALIFORNIA ENVIRONMENTAL QUALITY ACT OF 1970 (CEQA)

If an environmental document has been prepared by the lead agency, submit a copy of the **Notice of Determination** or **Notice of Exemption** with this notice. Please note that a CEQA determination by a local jurisdiction, if required, must be complete, or the Division may not issue a permit.

CRITICAL WELL DEFINITION

As defined in the California Code of Regulations, Title 14, Section 1720 (a), "Critical well" means a well within:

- (1) 300 feet of the following:
 - (A) Any building intended for human occupancy that is not necessary to the operation of the well; or
 - (B) Any airport runway.
- (2) 100 feet of the following:
 - (A) Any dedicated public street, highway or the nearest rail of an operating railway that is in general use;
 - (B) Any navigable body of water or watercourse perennially covered by water;
 - (C) Any public recreational facility such as a golf course, amusement park, picnic ground, campground or any other area of periodic high-density population; or
 - (D) Any officially recognized wildlife preserve.

This form may be printed from the DOGGR website at www.conservation.ca.gov/dog/

New Well: DOM-001

REC'D APR 15 2010

New Cased Hole Single Producer
 Proposed BFW at 2163' md/2163 vd/1970' vss
 Depths refer to the DF of 193' ASL
 (Drill Floor elevation of 25' plus ground elevation of 168')

Drilling Operation -

Move in drilling rig. Take on 10 PPG Claybase mud. Pickup 17-1/2" bit on 5" Drill Pipe and cleanout 20" conductor (Pre-set) to 200'. POOH and P/U 17-1/2" Packed Drilling Assembly with MWD and 8" Drill Collars. Drill 17-1/2" Hole vertically to 2000' MD. Wipe hole and POOH. Run 13-3/8", 72#, L-80 BTC surface casing to 1990' MD. Run stab-in on 5" drillpipe and cement, with returns to surface. WOC and install 10K Wellhead and nipple up 13-5/8"-10M BOPE. Test BOPE and 9-5/8" casing to 1,800 psi. Pickup 12-1/4" bit and cleanout assembly. Drill out float at 1948' and cement down to 1995' (5' above casing shoe). Changeover to new 10.0 ppg KCL/Gelite/SP101 clay-based mud. Drill out 13-3/8" casing shoe at 1990', 10' of cement, and 10' of new 12-1/4" hole to 2010'. Perform FIT / LOT test. POOH. Pickup 12-1/4" PDC bit on Rotary Steerable BHA. Directionally drill, survey, log, and core 12-1/4" hole to 10,000' MD / 9854'. Increase mud weight as needed and per mud program. Wipe hole. POOH. Run Wireline Logs (Density, Neutron, GR/RES, pressures). Pickup BNHO and ream 12-1/4" hole to TD; ream hole as needed. POOH. Run 9-5/8", 53.5#, P-110 and T95, LT&C 8rd intermediate casing to 9990' and cement. WOC. Test BOPE and 9-5/8" casing to 8900 psi. Pickup 8-1/2" bit and 9-5/8" scraper on 5" drill pipe. Drill out float collar at 9,948' and cement down to 9980' (10' above shoe). Condition mud. Drill out casing shoe to shoe at 9990', 10' of cement, and 10' of new formation. Conduct FIT/LOT. POOH. Pickup 8-1/2" PDC bit on Rotary Assembly BHA with MWD/LWD (GR, Res, ECD). Drill, log, and core 8-1/2" hole, holding angle at 5 degrees and 50 degrees azimuth to planned TD at 12716' MD (12557' TVD). Wipe hole. POOH and lay down BHA. Rig up and run wireline logs to TD as needed per Geology. Rig down wireline logs and run 8-1/2" BNHO to TD, reaming as necessary. Condition mud for casing run. POOH. Run 7", 32#, P-110 Liner on 5" Drill Pipe to 12711 (5' off bottom) and set liner hanger 200' inside 9-5/8" casing at approximately 9800' MD (9655' TVD). Release from hanger. Test cementing lines. Cement 7" liner. Set 7" packer and test. Rig down cement head. Pump wiper plug. POOH. L/D 5" Drill Pipe and N/D BOPE. Install and test production tree. Rig down drilling rig. Clean location.

***** Completion Program & Supplemental Notice to follow *****

Well: DOM 01 Field: Dominguez - Well Schematic

13-3/8" Csg. TOC - Returns to Surface

26" Hole Section

Install Diverter

17-1/2" Hole Section
(Vertical Hole)

N/U 10k BOP
TOC - 2,063' (100' above BFW)

12-1/4" Intermediate Hole Section
Build to 23.83° at 3.0°/100' to 2,994' MD

Hold at 23.83° to 37,83' MD

Drop and Hold to 5.7° at 2.5°/100' to
TD

8-1/2" Production Hole Section
Hold at 5.7° to TD

Planned TD 12,716' MD / 12,557' TVD

DF: 193' ASL, Rotary Table = 25' above ground

REC'D APR 15 2010

20", 94#, K-55 Conductor - 200' MD / 200' TVD (Pre-Set)

MW: 10.0 ppg

MW: 10.0 ppg

13-3/8", 72#, L-80 BTC Surface Casing - 2000' MD / 2000' TVD

Estimated BFW - 2,163' MD / 2,163' TVD

MW: 10.0 ppg

9-5/8", 53.5#, T-95 LTC Int. Casing 5,000 MD / 4,879' TVD

MW: 10.5 ppg

Estimated 7" TLH - 9800' MD / 9,655' TVD

MW: 10.7 ppg @ 8,962' MD / 8,822' TVD

MW: 10.9 ppg - 9,992' MD / 9,847' TVD

9-5/8", 53.5#, P-110 LTC Int. Casing to 5,000 - 10,000 MD / 9,854' TVD

MW: 11.2 ppg - 10,061' MD / 10,000' TVD

MW: 13.6 ppg - 12,062' MD / 11,906' TVD

MW: 14.4 ppg - 12,558' MD / 12,400' TVD

7", 32#, P-110 Production Liner to 12711' / 12,551' TVD

REC'D APR 15 2010

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

BOND NO. 022028570

BLANKET OIL AND GAS WELL INDEMNITY BOND

Public Resources Code Sections 3205, 3205.1, and 3207
FOR ONSHORE WELLS
(ONSHORE OR OFFSHORE)

(INSTRUCTIONS ON REVERSE SIDE)

The premium on the bond
is \$ 3,500.00 per annum.

Know All Persons by These Presents:

That OXY USA Inc.
(or) *(Partners or Corporation)*
That I, _____
(Individual)

as principal, having an address for service of 9600 Ming Avenue, Suite 300, Bakersfield, CA 93311
and Liberty Mutual Insurance Company, a corporation
(Surety)

organized under the laws of the STATE OF Massachusetts and
authorized to transact surety business in the STATE OF CALIFORNIA, as surety, having an address for service of
175 Berkeley Street, Boston, MA 02116, are held and firmly
bound to the STATE OF CALIFORNIA in the sum of One Million AND NO/100 DOLLARS
(\$ 1,000,000.00) lawful money of the United States of America, to be paid to the State of California, for which payment we
bind ourselves, our heirs, executors, and successors, jointly and severally, firmly by these presents.

WHEREAS, said principal is about to acquire, drill, redrill, deepen, or permanently alter oil or gas wells in CALIFORNIA and is
required to file this bond in accordance with Sections 3205, 3205.1, and/or 3207 of the California Public Resources Code;

NOW, THEREFORE, the conditions of the foregoing obligation are that if the principal shall comply with all the provisions of
Division 3 (commencing with Section 3000) of the Public Resources Code and shall obey all lawful orders of the State Oil and Gas
Supervisor or district deputy or deputies, subject to subsequent appeal as provided in Division 3, and shall pay all charges, costs, and
expenses incurred by the Supervisor or district deputy or deputies with respect to a well and attendant facilities of the principal, in
pursuance of the provisions of Division 3, then this obligation shall be void; otherwise, it shall remain in full force and effect.

FURTHERMORE, the aggregate liability of the Surety hereunder on all claims whatsoever shall not exceed the penal sum of this
bond in any event. This bond may be terminated and cancelled only in accordance with the provisions of Section 3207 of the Public
Resources Code. This bond is executed by the Surety to comply with the provisions of Division 3, Chapter 1 of the Public Resources
Code and of Chapter 2, Title 14, Part 2 of the Code of Civil Procedure and the bond shall be subject to the terms and provisions
thereof.

This bond is to become effective on January 7, 2010
(Date)



(SEAL OF PRINCIPAL)

[Principal] OXY USA Inc.
Address 9600 Ming Avenue, Suite 300
Bakersfield, CA 93311

Executed for principal by: William E. Albrecht
(Signature)

William E. Albrecht
(Printed or typed name)
President

January 21, 2010
(Date)

I certify (or declare) under penalty of perjury under the laws of the State of California that I have executed the foregoing bond under
an unrevoked power of attorney.

Executed at Denver, Colorado on January 12, 2010
(City and State) *(Date)*



(SEAL OF SURETY)

[Surety] Liberty Mutual Insurance Company
Address 175 Berkeley Street
Boston, MA 02116

By: Jennifer L. Sperlak
(Signature of Attorney-in-Fact)

Jennifer L. Sperlak, Attorney-in-Fact
(Printed or typed name of Attorney-in-Fact)

OG160B (11-00)UCP/1M

THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

LIBERTY MUTUAL INSURANCE COMPANY
BOSTON, MASSACHUSETTS
POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS: That Liberty Mutual Insurance Company (the "Company"), a Massachusetts stock insurance company, pursuant to and by authority of the By-law and Authorization hereinafter set forth, does hereby name, constitute and appoint

LEON F. HILL, JENNIFER L. SPERLAK, SCOTT RONS, RYAN BIEGEN, ALL OF THE CITY OF DENVER, STATE OF COLORADO.....

....., each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations in the penal sum not exceeding **TWENTY FIVE MILLION AND 00/100**..... DOLLARS (\$ **25,000,000.00**.....) each, and the execution of such undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents, shall be as binding upon the Company as if they had been duly signed by the president and attested by the secretary of the Company in their own proper persons.

That this power is made and executed pursuant to and by authority of the following By-law and Authorization:

ARTICLE XIII - Execution of Contracts: Section 5. Surety Bonds and Undertakings.

Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

By the following instrument the chairman or the president has authorized the officer or other official named therein to appoint attorneys-in-fact:

Pursuant to Article XIII, Section 5 of the By-Laws, Garnet W. Elliott, Assistant Secretary of Liberty Mutual Insurance Company, is hereby authorized to appoint such attorneys-in-fact as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

That the By-law and the Authorization set forth above are true copies thereof and are now in full force and effect.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Company and the corporate seal of Liberty Mutual Insurance Company has been affixed thereto in Plymouth Meeting, Pennsylvania this 3rd day of September 2009.

LIBERTY MUTUAL INSURANCE COMPANY

By Garnet W. Elliott
Garnet W. Elliott, Assistant Secretary



COMMONWEALTH OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 3rd day of September, 2009, before me, a Notary Public, personally came Garnet W. Elliott, to me known, and acknowledged that he is an Assistant Secretary of Liberty Mutual Insurance Company; that he knows the seal of said corporation; and that he executed the above Power of Attorney and affixed the corporate seal of Liberty Mutual Insurance Company thereto with the authority and at the direction of said corporation.

IN TESTIMONY WHEREOF I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Plymouth Twp., Montgomery County
My Commission Expires March 28, 2013
Member, Pennsylvania Association of Notaries

By Teresa Pastella
Teresa Pastella, Notary Public

CERTIFICATE

I, the undersigned, Assistant Secretary of Liberty Mutual Insurance Company, do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy, is in full force and effect on the date of this certificate; and I do further certify that the officer or official who executed the said power of attorney is an Assistant Secretary specially authorized by the chairman or the president to appoint attorneys-in-fact as provided in Article XIII, Section 5 of the By-laws of Liberty Mutual Insurance Company.

This certificate and the above power of attorney may be signed by facsimile or mechanically reproduced signatures under and by authority of the following vote of the board of directors of Liberty Mutual Insurance Company at a meeting duly called and held on the 12th day of March, 1980.

VOTED that the facsimile or mechanically reproduced signature of any assistant secretary of the company, wherever appearing upon a certified copy of any power of attorney issued by the company in connection with surety bonds, shall be valid and binding upon the company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the said company, this 12th day of January, 2010.



By David M. Carey
David M. Carey, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, bank deposit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.

REC'D APR 15 2010

OXY USA Inc.
DOM-001
Surface Lease
Legal Description

Those portions of Lots 18 and 19 of Parcel map No. 21929 and of Lot "B" of Lot Line Adjustment No. 169-02, in the City of Carson, Los Angeles County, California, as shown on Certificate of Compliance recorded September 9, 2002 as Instrument No. 02-2106620 of Official Records.

Beginning at the intersection of the north line of a City of Carson storm drain easement with the westerly line of Bishop Avenue, 80 feet wide, also being in the easterly line of said Lot 19; thence S 72° 27' 50" W 139 feet to the true point of beginning. Thence S 72° 27' 50" W 523 feet to a point in the westerly line of Lot 18; thence N 0° 29' 16" W 173.39 feet more or; thence N 87° E 478.45 feet more or less; thence southeasterly 44.47 feet more or less to the true point of beginning. Comprising approximately 1.4 acres.

The Premises include all depths from the surface down to five hundred (500) feet below the surface.

APN: 7319-039-118 portion

OXY USA Inc.
DOM-001
Mineral Lease
Legal Description

EXHIBIT "A-2"
The "Reyes" Lands

That portion of the Rancho San Pedro partially in the City of Carson, partially in the City of Compton, and partially in the Unincorporated Territory of the County of Los Angeles, State of California, described as follows:

Commencing at a post in the South East corner of the 200 acre tract known as the "Homestead of Guadalupe, Susana and Reyes Dominguez", as shown upon a map filed by the Commissioners in Partition in Case No. 3204, files of the Superior Court of Los Angeles County (the "**200-Acre Reyes Dominguez Homestead Tract**"), and running thence along the Southern boundary thereof South 88° West 45.69 chains to the post in the South West corner of said tract; thence along the West boundary thereof North 8¼° 44.73 chains to the post in the North West corner of said 200-acre tract and in the South West corner of the Homestead Tract of Victoria D. de Carson; thence along the Western boundary of the latter North 8¼° E. 3.45 chains to a post in the South line of Victoria Street; thence along said line South 88 ° West 114.39 chains to a post in the North East corner of the Highland Tract of 500 acres of Victoria D. de Carson; thence along the same South 50.18 chains to the South East corner thereof; thence South 3.14 chains along the Highland Tract of Guadalupe Dominguez to a post; thence along the same Tract North 88 ° East 152.20 chains to the West line of Railroad Avenue, a point 100 feet Westerly from the middle of the Los Angeles and San Pedro Railroad; thence parallel to said Railroad North 8¼° East 6.04 chains to the place of beginning, containing 616.40 acres, excepting however, so much of Wilmington Avenue as runs over this tract, being a strip of land 53.52 chains long, and one chain wide, and containing 5.35 acres, having a balance of 611.05 acres in this allotment, being the tract of land known as the "Highland Tract", allotted to Maria de Los Reyes Dominguez, as shown upon a map filed by the Commissioners in Partition in Case No. 3284, files of the Superior Court of Los Angeles County (the "**611.05-Acre Reyes Dominguez Highland Tract**"), to which map and the record of the final decree therein reference is hereby made; except the portions of that land included within the following described exceptions 1st through 3rd , inclusive:

- 1st – Beginning at the intersection of the Southerly boundary line of the 611.05-Acre Reyes Dominguez Highland Tract with the Westerly boundary line of the right-of-way of the Pacific Electric Railway Company, thence Northerly along said Westerly boundary line a distance of 398.64 feet more or less to the Southerly boundary line of the 200-Acre Reyes Dominguez Homestead Tract; thence Westerly along said Southerly boundary line of said 200-Acre Reyes Dominguez Homestead Tract a distance of 2895.54 feet more or less to the Southwest corner thereof; thence Southerly and parallel to the right-of-way of the Pacific Electric Railway Company above referred to, a distance of 398.64 feet more or less to the Southerly boundary line of the said 611.05-Acre Reyes Dominguez Highland Tract; thence Easterly along said Southerly boundary line a distance of 2895.54 feet more or less to the point of beginning, containing 26.22 acres.

2nd – A portion of the 611.05-Acre Reyes Dominguez Highland Tract, now described as Parcel 7, in the City of Carson, County of Los Angeles, State of California, as shown on Parcel Map No. 13473, filed in Book 167, Pages 3 and 4 of Parcel Maps, in the office of the County Recorder of said county, containing 4.78 acres.

3rd – 50 acres of land situate in the Southeast corner of said 611.05-Acre Reyes Dominguez Highland Tract described as follows:

Bounded on the South by the South lines of said 611.05-acre tract; bounded on the East by the West line of the 200-Acre Reyes Dominguez Homestead Tract extended so as to intersect the said South line of the said 611.05 acre tract; bounded on the North by a line running East and West through the center of said 611.05 acre tract; bounded on the West by a line parallel to the West line of the 200-Acre Reyes Dominguez Homestead Tract and at such a distance therefrom as to include 50 acres of land.

CHARLES WILLARD STREET

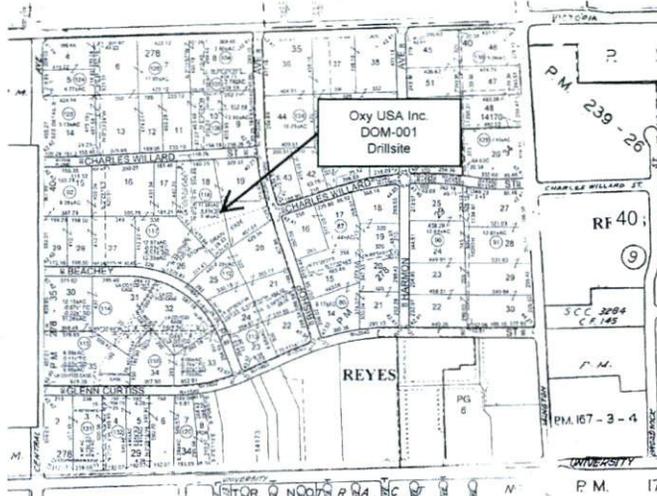
BISHOP

PROPOSED BUILDING
DTCW LOT 12
77,653 SF FOOTPRINT
4,240 SF MEZZANINE
B / S-1 / F OCCUPANCY
TYPE III-N

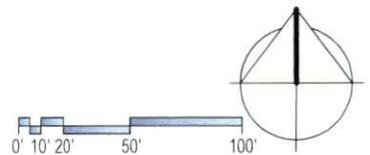
1/2% SLOPE

AC PAVED YARD AREA

EXISTING DETENTION BASIN



SITE PLAN DTCW LOT 12



Huff, John C.

From: Mike_McCarter@oxy.com
Sent: Wednesday, August 25, 2010 1:00 PM
To: Huff, John C.
Cc: Chris_Phillips@oxy.com; Max_Oyola@oxy.com; Jim_Chacomas@oxy.com
Subject: Shallow Gas on the Dominguez Project
Attachments: Reyes Lease Shallow Gas Development.pdf

John,

We have been looking at the shallow gas sands on the Dominguez project, to decide if we can set the 13-3/8" casing below the BFW without encountering the gas sands. Here is the response from the Geologist:

"The gas appears to be isolated to the East Block (location of DOM-003). However, if drilled, the DOM-003 well will intersect the same sand in the central block which would be below the GWC (Non gas bearing). Where present, the sand is gas bearing around 2850-2900. Refer to pages 7 and 8 for location map. Don't pay attention to the depths on the map, they have gas limits superimposed on a 1st CALLENDER map (not the actual gas sand mapped which would yield a different depth at limits)."

Attached is the backup information supplied by the Geologist.

Both the DOM-001 and the DOM-002 wells would be located west of the DOM-003 location mentioned above, so we do not anticipate hitting any shallow gas at all. If in the small chance a gas sand is encountered, it should be below 2850' VSS and significantly below the BFW.

If you have any questions, please call.

Thanks.

-Mike

Mike McCarter
Senior Drilling Engineering Advisor
Thums Long Beach Company
562-624-3247 (office)
562-900-1473 (cell)
mike_mccarter@oxy.com

DOMINGUEZ ENERGY, L.P.

Memorandum

To: Gerald C. Weeks
From: Charles A. Champion *C.A. Champion*
Date: May 18, 2000
Subject: Gas Volumes from Reyes 136 & Shallow gas wells response to request dated May 3, 2000

Summary

The response to your question relating to the potential sale of gas from the recompleted Reyes 136 and the shallow gas extraction wells in the vicinity of Reyes 27, we submit the following:

Reyes 136 – The sale of this gas does not make economic sense because of the high capital costs necessary to transport the gas to the Rosecrans field. For Dominguez Energy, the economic benefit would be negligible. For any potential buyer, the risk was too high; Pacific Energy Resources researched this and couldn't make economic sense of it. At this time, Reyes 136 is within 60-90 days of estimated depletion. This is a recompleted oil well in a gas sand at a depth of about 2000'.

Shallow Extraction Wells near Reyes 27 – The economics of the sale of this gas is also very poor. The total volume of air and methane produced is estimated to be about 323MCF/D of which 85MCF/D or 26% is methane. The depth of these wells is about 50' – 100'. The gas has no pressure. No one to date has been able to make economic sense of this gas because of the excessive air concentration.

The response to your question us twofold.

First, the issue of the sale of gas from Reyes 136 the gas well:

Reyes 136 has been producing from a 2000' shallow gas well about 195 MCF/D since July 15, 1999. This gas has been flared through the Dominguez Energy burner under a permit from the AQMD which limits the production and flaring to 195 MCF/D. The total volume extracted from Reyes 136 has been about 60,000 MCF (60 million cubic feet). We expect depletion to be reached sometime between now and mid-July.

The value of this gas has ranged probably closer to \$2.00/MCF, but is currently higher. The border price is currently slightly over \$3.00 /MCF.

In our dealings with Dick Young of Pacific Energy Resources (PER), we discussed generally that P.E.R. would assume all up-front costs and would then retain 100% of the revenue until payout. Following payout, the revenue would be split 50-50 with Dominguez with all costs borne by P.E.R.

If we assume that depletion of this gas sand will occur mid-July, the economic benefit to Dominguez Energy would have been as follows:

Capital Investment by P.E.R.	\$100,000
Production reserves @ \$2.00/MCF	50,000MCF
Remaining reserves @ payout	20,000MCF
Value of Reserves	\$40,000
Dominguez/Unocal (50%)	\$20,000
Dominguez Net	\$10,000

The foregoing economics presume that the potential buyer Breitburn Energy would be willing to pay \$2.00/MCF, that \$100,000 would cover the capital costs to transport the gas from the flare site to the corner of Victoria and Central and any necessary improvement to the Rosecrans pipeline. At best, the economics are poor. There would have been no significant income, if any, to Dominguez. Dick Young could not find an available pipeline in Victoria to make it feasible and in fact, could not make economic sense of the gas purchase.

One minor advantage would have to accelerate the rate of depletion for Reyes 136 which could have augmented the DTC construction schedule.

In summary, the economic advantage of selling the Reyes 136 produced gas was insufficient to warrant the expenditure, even if an available pipeline could be found.

The second issue is that of the methane extraction from the vicinity of Reyes 27. Currently, we have four (4) shallow wells extracting methane. They are:

Well No.	Gross Volume (MCF/D)	Methane Conc. (ppm)	Oxygen Conc.(ppm)	Net Methane Volume(MCF/D)	Net Oxygen Volume(MCF/D)
R27 MW2	288.0	100,000	180,000	58	52
R27 MW3A	1.4	506,000	1,000	1	—
R27 MW3B	15.8	800,000	2,000	13	—
R27 MW1	17.3	738,000	800	13	—
Total	323			85	52

The total shallow vapor extractions from the foregoing wells in the vicinity of Reyes 27 is 323MCF/D including 85 MCF/D methane and 52 MCF/D oxygen. The remaining unaccounted for contents are likely nitrogen, carbon dioxide and volatile in situ vapors (air is primarily nitrogen, oxygen plus other gases).

The concentration of methane is 26%. This has no market value except perhaps for use as on-site power generation. However in the past, no one has been able to make any economic reuse of a power generation /co-generation system on the former Reyes lease.

October 7, 1999

To: ~~T.M. Gloege~~
~~R.M. Cannon~~
~~G.C. Weeks~~
~~B.A. Choate~~
~~J.P. Flynn~~

Dick Young
Pacific Energy Resources

From: C.A. Champion *C.A. Champion*

Re: Estimate of Producible Reserves
Shallow Gas Wells Reyes 125 & 136

Attached is an estimate of producible gas based on the reservoir characteristics of the shallow gas sand (2000' ±) that is being produced by Reyes 125 and Reyes 136. The reserves are based on electric log analyses (Dual-induction logs, etc), TDT-P logs and correlations, core data and various PVT data. Because of limited data, the results are necessarily a "rough" estimate but probably should be, conservatively, a maximum value.

The summary of results is:

Original gas in place	90,000 MSCF
Produced gas to date	35,000 MSCF
Reserves as of 10/1/99	55,000 MSCF

Maximum allowable flare rate per AQMD	195 MCF/D
Time of depletion @ 195 MCF/D	282 Days
	or
	9.25 Months
Estimated depletion date	July 1 - September 30, 2000

Therefore, allowing for decline in producing rate as reservoir pressure declines, we can assume that depletion should occur with a year or less.

Based on the foregoing, I do not feel that spending \$150,000 - \$200,000 to connect to the SoCal Gas line is economically feasible, unless Carson Estates Company has an overwhelming need to develop this portion of the Reyes Lease in less than one year.

now producing ≈ 195 MCF/D

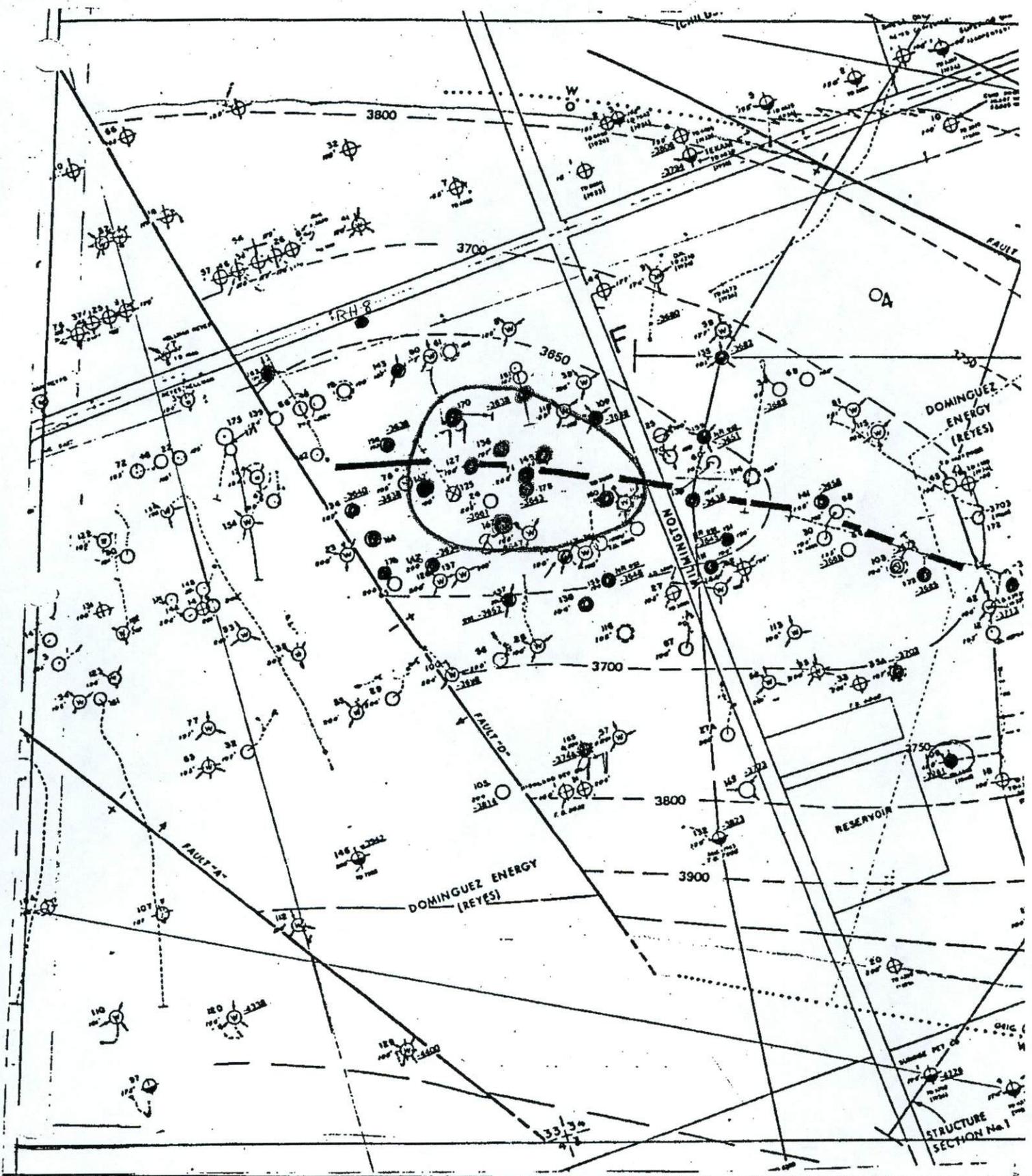
CHARLES CAMPION
310-638-1345

SUMMARY OF PERTINENT RESERVOIR CHARACTERISTICS

DOMINGUEZ
SHALLOW GAS
REYES 125 + 136

ECB 10-6-97

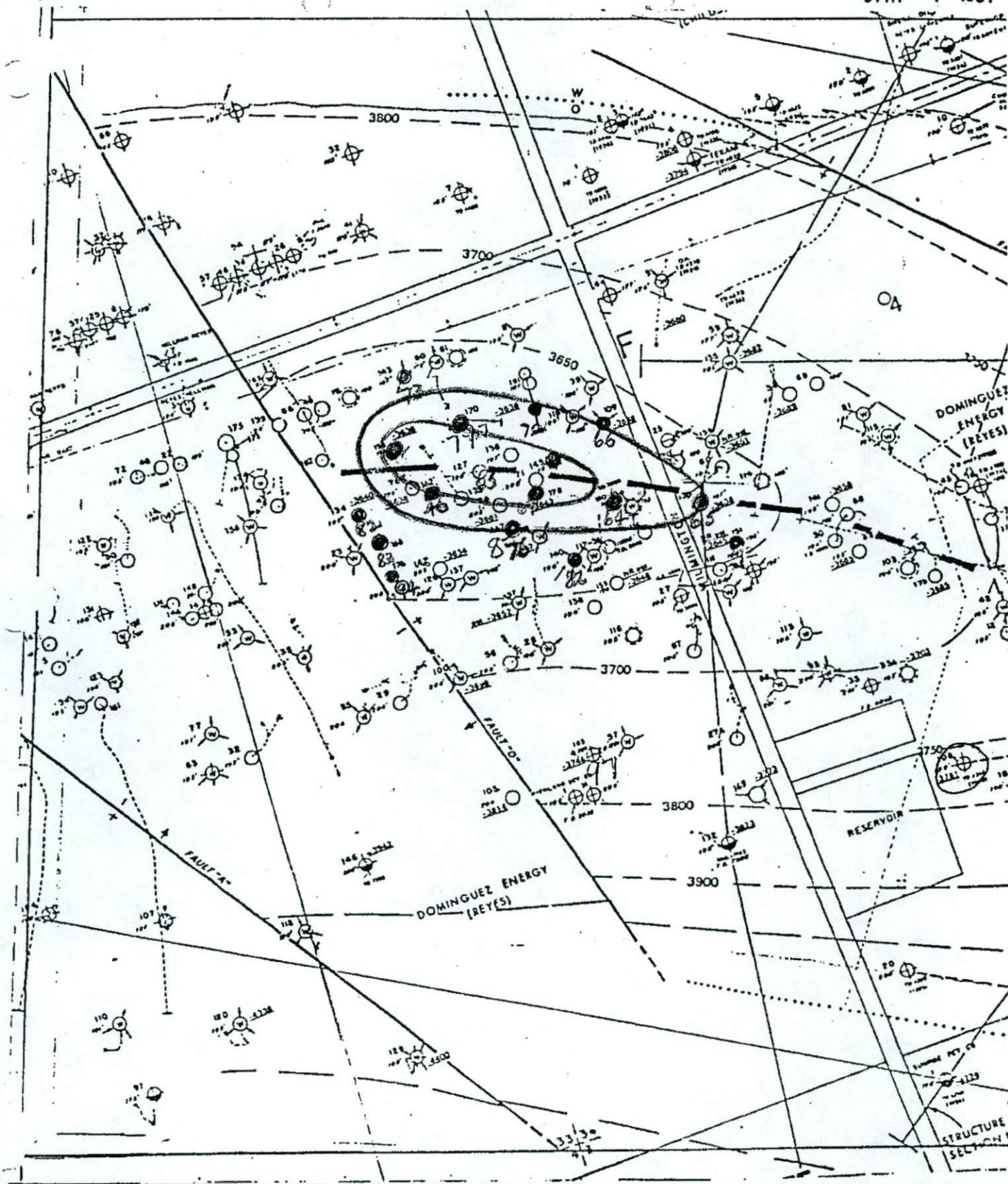
FIELD				
Zone & Age		V		
PHYSICAL PROPERTIES OF RESERVOIR ROCK				
Porosity - % p.s.		29		
Permeability - mds.				
Interstitial Water Saturation - % p.s.		35		
STRUCTURAL FEATURES				
Average Depth - ft.		2200		
Reservoir Area - acres		29.6		
Net Sand Thickness - ft.		10		
Net Sand Volume - ac. ft.		296		
CHARACTERISTICS OF RESERVOIR FLUID				
Gravity of Gas (air = 1)		.65		
Gravity of Condensate - °A.R.I.				
Original Reservoir Pressure - p.s.i.g.		945		
Compressibility Factor - Z		.88		
Reservoir Temperature - °F		115		
RESERVE ESTIMATE				
Gas Formation Volume Factor - cu. ft. / cu. ft.		67.1		
Gas Originally in Place - Mcf / ac. ft.		551		
Gas Originally in Place - MMcf		163		
Ultimate Gas Recovery - % G.O.I.P.		55		
Ultimate Gas Recovery - MMcf		90		
Past Production - MMcf		35		
RESERVE - MMCF		55		
Condensate in Place - bbls. / MMcf				
Condensate in Place - M bbls.				
Ultimate Condensate Recovery - % C.I.P.				
Ultimate Condensate Recovery - M bbls.				
Past Production - M bbls.				



V

● SHOW ON E. LOG
 ● NO SHOW ON E. LOG,
 CONTOURS ON AA (TOP OF 1ST ZONE)

RECEIVED
JAN 7 1991



BASAL VH

- SHOW ON E LOG
- NO SHOW ON E LOG.

70 VSS DEPTH TO TOP OF SAND - 2600

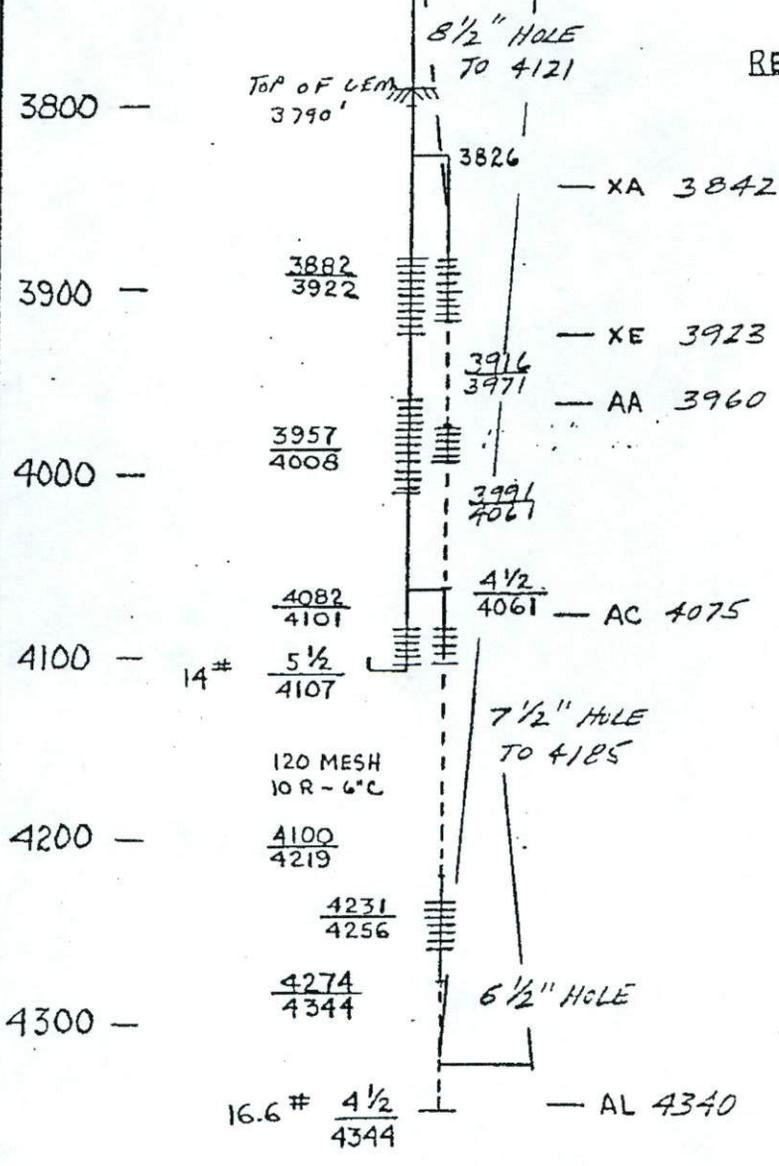
CONTOURS ON AA
(TOP OF 1ST ZONE.)

TOP PLUG
 5 1/2" CSG cut @ 70'
 9 5/8" Plug wt 1 1/4 yds
 Redi-Mix 70' to 8'
 36 # 9 5/8" / 718

ELEV 199

CAV. SHOT @ 1600'
 Plug 1610' / 1499'
 wt 28 ft³ 6" cmt.

PLUG 3679' / 4303
 3700 - wt 155 ft³ 6" cmt.



COMPLETED VIII-40 1ST ZONE
 PROD. INT. 4107 - 4345
 I.P. P 252 BDO, 108 BDW
 AVG. 1ST 30 DAYS 201 BDO, 132 BDW

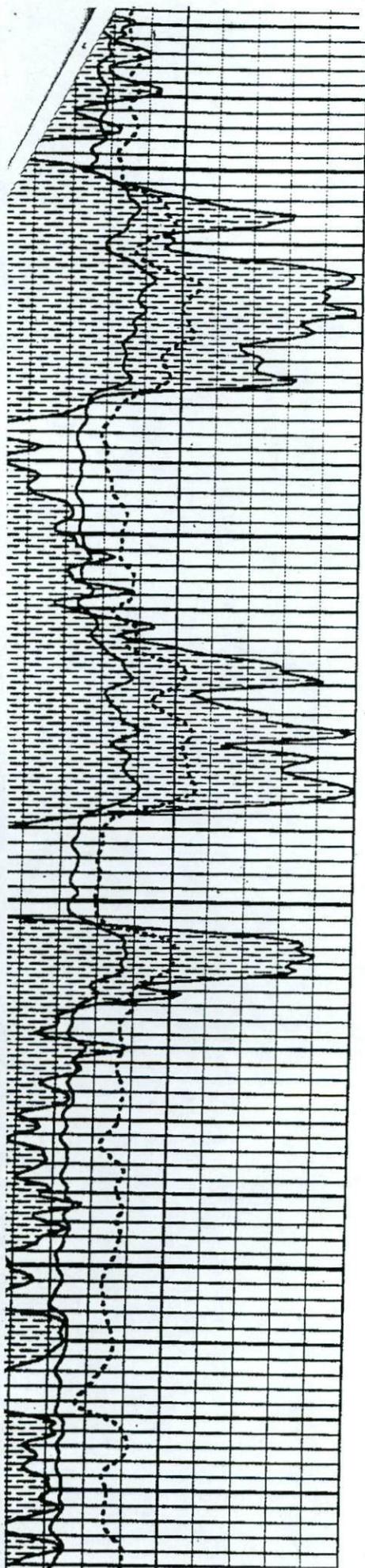
RECOMPLETED XII-53 1ST ZONE
 PLUG 3940
 PERF. 3882-3922 4 1/2" HOLES/FT.
 PROD. 17 BDO, 49 BDW
 REPERF. 3894-3922 2 5/16" HOLES/FT.
 I.P. 35 BDO, 65 BDW
 AVG. 30 DAYS - 5 BDO, 41 BDW

RECOMPLETED III-54
 DROVE BRIDGE PLUG TO 4344
 PERF. 3957-4008 4 1/2" H/F
 4082-4101 4 3/8" H/F
 4231-4256 2- 1/2" H/F
 3971-3991 2 1/2" H/F
 3894-3914 2 1/2" H/F
 3882-3894 2 3/8" H/F
 PROD: 30 B/D OIL

5-13-70 TOP OF cmt @ 3790.
 T.A.

16.6 # 4 1/2 4344 — AL 4340
 TD 4345

REYES 108



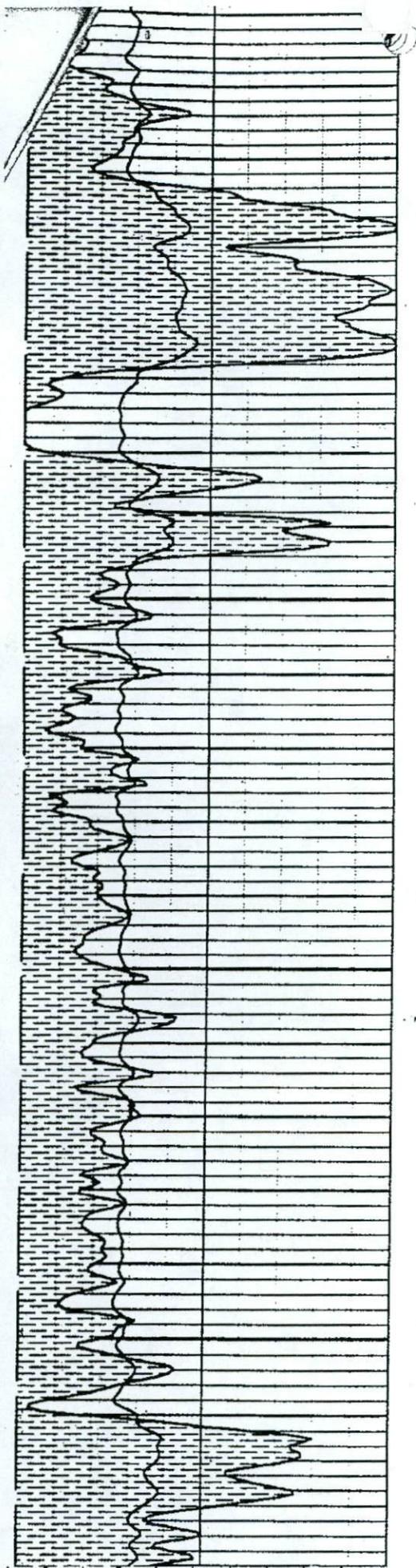
C

2800

2900

REYES-138

REMNANT OF
GAS SAND
EQUINOR-178

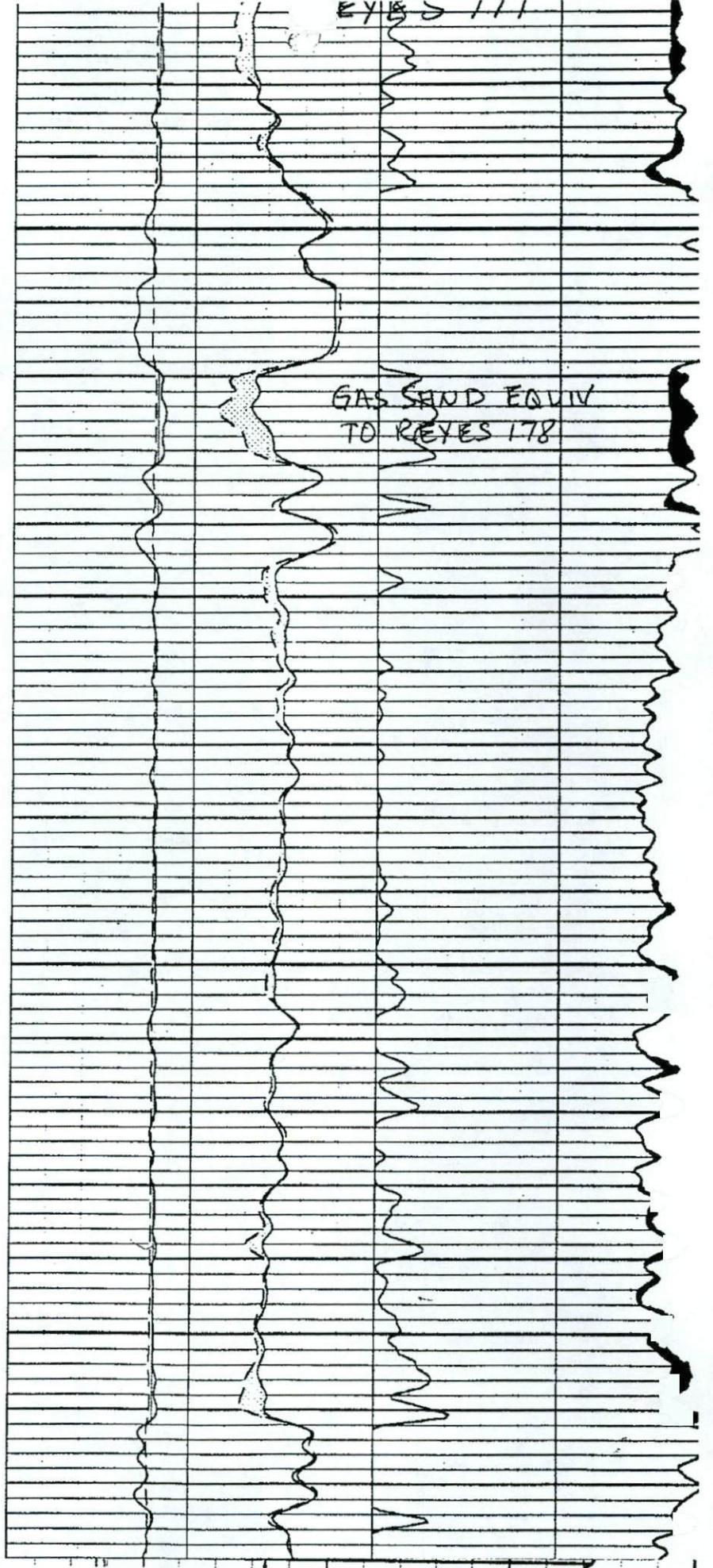


2900

3000

EYES 111

GAS SAND EQUIV
TO REYES 178



KEYES 17th

*CC 2747

*CC 2890

2800

*CC 2824

2867.5

2875

*CC 2878

2888

2900

GAS SAND

2875
2888

0.10
0.10

0.10

March 30, 2000

To: R.M. Cannon
G.W. Weeks
B.A. Choate
T.M. Gloege
M.J. Vanderhorst

From: C.A. Champion



Re: Shallow Gas Sands Depletion
Reyes Lease

As you are aware, we have been producing a shallow gas sand (depth 2000'-2100') on the Reyes Lease attempting to deplete the sand to minimize or prevent any possible future upward gas migration. The predicted depletion was estimated, based on volumetric calculations and the AQMD allowable production rate, to be mid-summer 2000. We have two wells currently completed in this sand. They are Reyes 136 and Reyes 125. We have already depleted and watered out the down-structure portion of this sand. We have used Reyes 136 solely as the producing well (at 195 MCF/D as limited by the AQMD permit) and Reyes 125 as a pressure monitoring well. A rapid decrease in surface tubing pressure on Reyes 125 would indicate the gas-water interface had advanced to that well which is structurally slightly lower, and between the interface and Reyes 136.

This week the surface tubing pressure on Reyes 125 decreased from 875 psig to 260 psig. We have also re-confirmed this pressure decrease. This indicates that Reyes 136 should be depleting sometime in the near future, as originally predicted. Once the water advances to the well bore, the gas production very rapidly decreases to near zero.

Final well abandonment will then be done immediately. Actually, as soon as a rig becomes available after completion of the current reabandonments, we might as well rig up and complete the abandonment of Reyes 125, leaving Reyes 136 as the only unabandoned well remaining in the Reyes Lease.

REC'D AUG 25 2010

BABSON AND SHEPPARD

PETROLEUM ENGINEERS

15605 CARMENITA ROAD, SUITE 107
SANTA FE SPRINGS, CALIFORNIA 90670

E. C. BABSON
JAMES C. SHEPPARD
JOHN F. BERGQUIST

April 2, 1990

Telephone: (213) 921-9970

Mr. Charles A. Champion
Dominguez Energy
P.O. Box 4505
Carson, CA 90749

Dear Mr. Champion:

In response to your request a brief review of the possibility of obtaining commercial gas production from shallow gas sands in the East block on the Reyes lease.

Reyes 178 is currently producing gas at the rate of 800 MCF per day from an 8 foot sand at 2850 feet. Cumulative gas production is 70 MMCF. We believe that this well will deplete this particular sand member based on the performance of Reyes 145 which apparently depleted a considerably larger accumulation at 3250 feet. Since there is undoubtedly a strong water drive in the interval being produced in Reyes 178, the remaining gas reserves of this completion are uncertain, and it is probable that commercial production will end rather suddenly when water encroaches into the well bore.

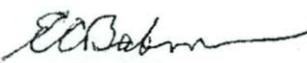
The only remaining idle well which is comparable in structural position to Reyes 178 is Reyes 127. The casing detail sheet shows a 2387 foot fish with the top at 3482. This condition would not interfere with completion work in the shallow gas sands above this level, but there is a note that a Dialog spudding tool would not go below 2225 feet in the 7 inch casing. If the casing is collapsed below this point, it would not be feasible to complete the well in any sand below the V sand which is encountered at 2191 feet.

All other idle wells in the area are believed to be less favorably located for shallow gas production than Reyes 178.

Yours truly,

BABSON AND SHEPPARD

By


E. C. Babson

REC'D AUG 25 2010

Huff, John C.

From: Mike_McCarter@oxy.com
Sent: Wednesday, August 18, 2010 10:56 AM
To: Huff, John C.
Cc: Max_Oyola@oxy.com; Max_Juprasert@oxy.com; Chris_Phillips@oxy.com;
Jim_Chacomas@oxy.com
Subject: DOM-001 Permit (Request for Additional Information)
Attachments: DOM-001 DOG Attachment Rev.doc

John,

Here is the revised attachment to the DOM-001 "Notice of Intention to Drill New Well" that you requested.

I've added more detail to program and changed several casing depths, as seen on the new schematic and new directional plan submitted to you last week. We have added a shallow 30" conductor drilled to 100', that is grouted in place before the drilling rig moves on location. We have deepened the original conductor depth to 300' (now 2nd conductor) and are cementing that 18-5/8" casing through drillpipe. An annular preventer has been added on top of the 18-5/8" conductor and is set up as a diverter. The 13-3/8" surface casing is still planned at 2000' md/ 1985' vd. The 9-5/8" intermediate casing has been raised up to 9000' md/ 8787' vd, to cement it in place before we see the BHP start ramping up. Proposed mud weights match the schedule sent to you last week. The Total Depth has shortened up slightly with the new directional course and is now at 12,692' md/ 12,478' vd. The 7' production liner will be cemented from 12690' to 8700'.

If you have any questions, don't hesitate to call. Thanks.

-Mike

Mike McCarter
Senior Drilling Engineering Advisor
Thums Long Beach Company
562-624-3247 (office)
562-900-1473 (cell)
mike_mccarter@oxy.com

New Well: DOM-001

New Cased Hole Producer

Depths refer to the DF of 193' ASL

(Drill Floor elevation of 25' plus ground elevation of 168')

30", 118.6# Welded conductor grouted at 100' md/ 100' vd

(Conductor bottom 76' below ground level, top 1' above cellar floor)

Proposed BFW at 2189' md/ 2189' vd/ 1970' vss

Drilling Rig Operations:

Move in and rig up H&P 236 drilling rig. Install riser on 30" conductor and connect flowline to mud pits. Take on 10 ppg KCl/Gelite/SP101 clay base mud into mud pits.

Pickup 24" tricone bit on 5" drill pipe and cleanout 30" conductor to 100' md. Circulate and condition 10.0 ppg KCl/Gelite/SP101 clay base mud. Pickup 24" Packed Hole drilling assembly with 8" MWD/8" DC's on 6-5/8" HWDP. Drill and survey 24" vertical hole from 100' to 310' md. Wipe hole to conductor at 100' and run back to bottom. Circulate and condition mud for casing. Run 18-5/8", 87.5#, J-55, ERW, BTC casing (2nd conductor) to 300' md and land in elevators on rotary table. Run stinger on 5" drill pipe and stab into float collar. Cement 18-5/8" casing, watching for cement returns at surface and then displace with mud. Pull 5" drill pipe and stinger. While WOC, washout and remove riser, and cut off 18-5/8" casing. Weld 21-1/4", 2M starter head with 6" diverter outlet onto the 18-5/8" casing. Nipple up 21-1/4", 2M annular preventer and bell nipple with flowline. Run 6" diverter line, with 6" full opening valve, to the mud pits.

Pickup 17-1/2" tricone bit and NB stab on cleanout assembly. Cleanout 18-5/8" conductor casing to float collar at 258'. Pressure test casing to 300 psi. Circulate and condition 10.0 ppg KCl/Gelite/SP101 clay base mud. Drill out float collar, cement, and shoe at 300'. Pickup 12-1/4" Conventional Steerable BHA with 8" MM/8" MWD/8" NMDC/6-5/8" HWDP/5" HWDP on 5" drill pipe. Directionally drill and survey 12-1/4" hole from 300' to 2,010' md. Wipe hole. Circulate and condition mud for logs, POH. Rig up Schlumberger wireline. Run wireline tools (Density, Neutron, GR/AIT, & Dipole Sonic) to 2,010' and log to surface. Pickup 17-1/2" BNHO and open 12-1/4" hole to 17-1/2" from 300' to 2,010'. Circulate and condition hole for casing, POH. Run 13-3/8", 72#, L-80, BTC surface casing to 2,000' md and land in elevators on rotary table. Run stab-in on 5" drill pipe and cement, with returns to surface. While WOC, remove 21-1/4", 2M annular preventer and bell nipple. Cut 21-1/4", 2M starting head off 18-5/8" casing and weld 13-5/8", 5M wellhead onto 13-3/8" casing. Install 13-5/8", 5M x 13-3/8", 10M tieback spool, and 13-5/8", 10M spacer spool. Nipple up 13-5/8", 10M BOPE and bell nipple with flowline. Install test plug and pressure test BOPE.

Pickup 12-1/4" tricone bit and NB stab on cleanout assembly, with 13-3/8" casing scraper 30' up. Pressure test casing and BOPE to 3,150 psi. Drill out float collar at 1916' and cement down to 1,990' (10' above casing shoe). Circulate and condition 10.0 ppg KCl/Gelite/SP101 clay base mud. Drill out 13-3/8" casing shoe at 2,000', 10' of cement, and 10' of new 12-1/4" hole to 2,020'. Perform FIT to 12.1 ppg EMW. Pickup 12-1/4" PDC bit on a Rotary Steerable System with 8" MWD/OnTrak LWD/8" NMDC's/6-5/8"

DOGGR Notice of Intention to Drill New Well - ATTACHMENT

HWDP/5" HWDP on 5" drill pipe. Directionally drill, survey, and log 12-1/4" hole from 2020' to 9,010' md / 8,787' vd. Core 12-1/4" hole as directed. Scheduled mud weight is between 9.3 and 9.8 ppg, or as needed to prevent flow. Wipe hole. Circulate and condition mud for logs, POH. Rig up Schlumberger wireline. Run wireline tools (Density, Neutron, GR/AIT, & Dipole Sonic) to 9,010' and log up to 1,800'. Run RFT tool on drill pipe and take pressure stations as directed. Pickup BNHO and ream 12-1/4" hole from 2000' to 9,010', as needed. Circulate and condition hole for casing, POH. Run 9-5/8", 53.5#, P-110 (9,000'-5,000') and T95 (5,000'-Surface) LTC intermediate casing. Land casing on hanger with 9-5/8" shoe at 9,000'. Cement 9-5/8" casing around shoe, with TOC at 2,075'. Install test plug and pressure test BOPE.

Pickup 8-1/2" tricone bit and NB stab on cleanout assembly with 9-5/8" casing scraper 30' up. Pressure test casing and BOPE to 7,450 psi. Drill out float collar at 8,916' and cement down to 8,980' (20' above shoe). Change over 10.2 ppg LVT 200 Synthetic Oil Based Mud. Drill out 9-5/8" casing shoe at 9,000', 10' of cement, and 10' of new formation to 9,020'. Perform FIT to 16.1 ppg EMW. Pickup 8-1/2" PDC bit on Rotary Steerable System with 6-3/4" MWD/OnTrak LWD (GR, Res, ECD)/6-3/4" NMDC's/5" HWDP on 5" drill pipe. Directionally drill, survey, and log 8-1/2" hole from 9,020' to planned TD of 12,692' TMD/ 12,478' TVD. Core 8-1/2" hole as directed. Scheduled mud weight is between 10.2 and 13.7 ppg, or as needed to prevent flow. Wipe hole. Circulate and condition mud for logs, POH. Rig up Schlumberger wireline. Run wireline tools (Density, Neutron, GR/AIT, & Dipole Sonic) to 12,692' and log up to 8,800'. Run RFT tool on drill pipe and take pressure stations as directed. Pickup BNHO and ream 12-1/4" hole from 9000' to 12,692', as needed. Circulate and condition hole for liner, POH. Run 7", 32#, P-110 LTC production liner on 5" drill pipe to 12,690' (2' off bottom) and set BOT Hyflo III liner hanger at 8,700' md/ 8,490' vd (300' lap inside 9-5/8" casing). Release from hanger. Cement 7" liner around shoe and bring cement to 8,200' (500' over liner top). Set 7" liner top packer and test. Reverse out excess cement and pull liner setting tool.

Pickup 8-1/2" tricone bit and 9-5/8" casing scraper on 5" drill pipe. Clean out cement to 7" liner top at 8,700'. Lay down 3,800' of 5" drill pipe. Pickup 6" tricone bit and 7" casing scraper on 3,800' of 3-1/2" drill pipe tail. Run in on 5" drill pipe and pressure test 9-5/8" casing to 7,450 psi. Clean out cement at 7" liner top. Pressure test 9-5/8" casing and 7" lap to 7,450 psi. Continue in hole and cleanout to landing collar at 12,606'. Pressure test 9-5/8" casing, 7" lap, and 7" liner to 7,450 psi. Laydown tools, 3-1/2" drillpipe, and 5" drill pipe. Run 2-7/8", 6.5 #, N-80 tubing kill string and land at 7,500'. Nipple down 13-5/8", 10M BOPE. Install 13-5/8", 10M x 7-1/16", 10M tubing head spool. Install 7-1/16", 10M x 3-1/16", 10M tree. Pressure test spool and production tree to 7450 psi. Rig down and move out H&P 236 drilling rig. Clean location.

Notes:

- This "Notice of Intention to Drill New Well" is strictly for drilling and casing the well. A "Supplementary Notice" will be submitted later to complete the well.
- Upon completion of the proposed work, a "Well Summary Report" will be submitted to the CDOGGR.

REC'D AUG 18 2010

Huff, John C.

From: Mike_McCarter@oxy.com
Sent: Tuesday, August 10, 2010 3:40 PM
To: Huff, John C.
Cc: Max_Oyola@oxy.com; Max_Juprasert@oxy.com
Subject: RE: DOM-001 Permit (Request for Additional Information)
Attachments: DOM-001 Plan #3 8-3-10 - Geographic.pdf; Callender 152_Vs_DOM-001_MW_Plot_MLM DOGGR.xls; DOM-001 Wellbore Schematic 8-10-10 DOGGR.PUB

John,

Since Max Oyola has moved into the Drilling Engineering Supervisor position, I will be taking over as the Drilling Engineer on the Dominguez project.

Attached are the additional items you requested to process the permit on the 1st well, DOM-001.

- 1) The Revised Directional Course "Plan #3 8-3-10",
- 2) An Assumed Mud Weight Schedule for drilling the well,
- 3) A Wellbore Schematic showing the casing string depths, the expected marker depths, and the cement tops.

If you have any questions don't hesitate to call.

Thanks.

Mike McCarter

Senior Drilling Engineering Advisor
Thums Long Beach Company
Oxy Long Beach, Inc.
562-624-3247 (office)
562-900-1473 (cell)
mike mccarter@oxy.com

From: Oyola, Max T
Sent: Tuesday, August 10, 2010 11:50 AM
To: McCarter, Mike
Subject: DOM-001 Permit
Importance: High

Mike,

I just got a call from John Huff, and he would like a couple of things sent to him.

When you have a chance, see me so I can discuss the information needed, but basically an updates MW vs. Depth curve, Wellbore Schematic, and Directional path.

He needs that ASAP in order to process the permit.

Thanks

Max

Max T. Oyola

Drilling Engineering Supervisor
Occidental Oil & Gas Corporation
Oxy Long Beach / Oxy LA Basin
Office: 562-624-3239
Mobile: 562-900-2465
E-mail: Max_Oyola@oxy.com

OXY USA LA BASIN

DOMINGUEZ FIELD

REYES LANDS LEASE

DOM-001 (Western Prospect) - Slot Slot D

ORIG HOLE

Plan: Plan #3 8-3-10

Standard Planning Report - Geographic

10 August, 2010

REC'D AUG 10 2010

OXY
Planning Report - Geographic

Database:	LGPSPP	Local Co-ordinate Reference:	Well DOM-001 (Western Prospect) - Slot Slot D
Company:	OXY USA LA BASIN	TVD Reference:	H&P 380 @ 193.0ft (RF Elev: 25', GL:168')
Project:	DOMINGUEZ FIELD	MD Reference:	H&P 380 @ 193.0ft (RF Elev: 25', GL:168')
Site:	REYES LANDS LEASE	North Reference:	Grid
Well:	DOM-001 (Western Prospect)	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIG HOLE		
Design:	Plan #3 8-3-10		

Project	DOMINGUEZ FIELD, NORTH AMERICA, DOMINGUEZ		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	MEAN SEA LEVEL
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	California VII 407		

Site	REYES LANDS LEASE				
Site Position:		Northing:	4,062,745.00 uss ft	Latitude:	33° 51' 48.600 N
From:	Map	Easting:	4,213,783.00 uss ft	Longitude:	118° 14' 38.759 W
Position Uncertainty:	0.0 ft	Slot Radius:	0.000 in	Grid Convergence:	0.05 °

Well	DOM-001 (Western Prospect) - Slot Slot D					
Well Position	+N/-S	0.0 ft	Northing:	4,062,754.38 uss ft	Latitude:	33° 51' 48.690 N
	+E/-W	0.0 ft	Easting:	4,214,067.32 uss ft	Longitude:	118° 14' 35.387 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	164.1 ft	Ground Level:	168.7 ft

Wellbore	ORIG HOLE				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	4/5/2010	12.72	58.73	47,520

Design	Plan #3 8-3-10			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	346.29

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,149.2	20.98	326.36	2,125.9	158.2	-105.2	2.00	2.00	0.00	326.36	
2,975.2	20.98	326.36	2,897.1	404.4	-269.1	0.00	0.00	0.00	0.00	
4,024.4	0.00	0.00	3,923.0	562.6	-374.3	2.00	-2.00	0.00	180.00	DOM_001 T1 6-11-11
7,244.4	0.00	0.00	7,143.0	562.6	-374.3	0.00	0.00	0.00	0.00	DOM_001 T2 6-11-11
8,098.8	32.71	11.35	7,951.7	795.3	-327.6	3.83	3.83	0.00	11.35	
8,226.5	32.71	11.35	8,059.3	863.0	-314.0	0.00	0.00	0.00	0.00	
9,080.9	0.00	0.00	8,868.0	1,095.6	-267.3	3.83	-3.83	0.00	180.00	DOM_001 T3 6-11-11
12,690.9	0.00	0.00	12,478.0	1,095.6	-267.3	0.00	0.00	0.00	0.00	DOM_001 T4 6-11-11

OXY
Planning Report - Geographic

Database: LGPSPP
Company: OXY USA LA BASIN
Project: DOMINGUEZ FIELD
Site: REYES LANDS LEASE
Well: DOM-001 (Western Prospect)
Wellbore: ORIG HOLE
Design: Plan #3 8-3-10

Local Co-ordinate Reference: Well DOM-001 (Western Prospect) - Slot Slot D
TVD Reference: H&P 380 @ 193.0ft (RF Elev: 25', GL:168')
MD Reference: H&P 380 @ 193.0ft (RF Elev: 25', GL:168')
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (uss ft)	Map Easting (uss ft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	4,062,754.38	4,214,067.32	33° 51' 48.690 N	118° 14' 35.387 W
100.0	0.00	0.00	100.0	0.0	0.0	4,062,754.38	4,214,067.32	33° 51' 48.690 N	118° 14' 35.387 W
200.0	0.00	0.00	200.0	0.0	0.0	4,062,754.38	4,214,067.32	33° 51' 48.690 N	118° 14' 35.387 W
300.0	0.00	0.00	300.0	0.0	0.0	4,062,754.38	4,214,067.32	33° 51' 48.690 N	118° 14' 35.387 W
18 5/8" Conductor Casing									
400.0	0.00	0.00	400.0	0.0	0.0	4,062,754.38	4,214,067.32	33° 51' 48.690 N	118° 14' 35.387 W
500.0	0.00	0.00	500.0	0.0	0.0	4,062,754.38	4,214,067.32	33° 51' 48.690 N	118° 14' 35.387 W
600.0	0.00	0.00	600.0	0.0	0.0	4,062,754.38	4,214,067.32	33° 51' 48.690 N	118° 14' 35.387 W
700.0	0.00	0.00	700.0	0.0	0.0	4,062,754.38	4,214,067.32	33° 51' 48.690 N	118° 14' 35.387 W
800.0	0.00	0.00	800.0	0.0	0.0	4,062,754.38	4,214,067.32	33° 51' 48.690 N	118° 14' 35.387 W
900.0	0.00	0.00	900.0	0.0	0.0	4,062,754.38	4,214,067.32	33° 51' 48.690 N	118° 14' 35.387 W
1,000.0	0.00	0.00	1,000.0	0.0	0.0	4,062,754.38	4,214,067.32	33° 51' 48.690 N	118° 14' 35.387 W
1,100.0	0.00	0.00	1,100.0	0.0	0.0	4,062,754.38	4,214,067.32	33° 51' 48.690 N	118° 14' 35.387 W
1,200.0	2.00	326.36	1,200.0	1.5	-1.0	4,062,755.83	4,214,066.36	33° 51' 48.705 N	118° 14' 35.399 W
1,300.0	4.00	326.36	1,299.8	5.8	-3.9	4,062,760.19	4,214,063.46	33° 51' 48.748 N	118° 14' 35.433 W
1,400.0	6.00	326.36	1,399.5	13.1	-8.7	4,062,767.45	4,214,058.63	33° 51' 48.819 N	118° 14' 35.490 W
1,500.0	8.00	326.36	1,498.7	23.2	-15.4	4,062,777.59	4,214,051.88	33° 51' 48.920 N	118° 14' 35.570 W
1,600.0	10.00	326.36	1,597.5	36.2	-24.1	4,062,790.62	4,214,043.22	33° 51' 49.049 N	118° 14' 35.673 W
1,700.0	12.00	326.36	1,695.6	52.1	-34.7	4,062,806.50	4,214,032.65	33° 51' 49.206 N	118° 14' 35.798 W
1,800.0	14.00	326.36	1,793.1	70.8	-47.1	4,062,825.23	4,214,020.19	33° 51' 49.391 N	118° 14' 35.946 W
1,900.0	16.00	326.36	1,889.6	92.4	-61.5	4,062,846.78	4,214,005.85	33° 51' 49.605 N	118° 14' 36.115 W
2,000.0	18.00	326.36	1,985.3	116.7	-77.7	4,062,871.12	4,213,989.66	33° 51' 49.846 N	118° 14' 36.307 W
13 3/8" Surface Casing									
2,100.0	20.00	326.36	2,079.8	143.8	-95.7	4,062,898.22	4,213,971.62	33° 51' 50.114 N	118° 14' 36.521 W
2,149.2	20.98	326.36	2,125.9	158.2	-105.2	4,062,912.56	4,213,962.09	33° 51' 50.256 N	118° 14' 36.634 W
2,188.9	20.98	326.36	2,163.0	170.0	-113.1	4,062,924.41	4,213,954.20	33° 51' 50.373 N	118° 14' 36.727 W
BFW									
2,200.0	20.98	326.36	2,173.3	173.3	-115.3	4,062,927.71	4,213,952.01	33° 51' 50.406 N	118° 14' 36.753 W
2,300.0	20.98	326.36	2,266.7	203.1	-135.2	4,062,957.52	4,213,932.17	33° 51' 50.701 N	118° 14' 36.988 W
2,400.0	20.98	326.36	2,360.1	233.0	-155.0	4,062,987.34	4,213,912.34	33° 51' 50.996 N	118° 14' 37.223 W
2,500.0	20.98	326.36	2,453.4	262.8	-174.8	4,063,017.15	4,213,892.50	33° 51' 51.291 N	118° 14' 37.458 W
2,600.0	20.98	326.36	2,546.8	292.6	-194.7	4,063,046.96	4,213,872.66	33° 51' 51.586 N	118° 14' 37.693 W
2,700.0	20.98	326.36	2,640.2	322.4	-214.5	4,063,076.78	4,213,852.83	33° 51' 51.881 N	118° 14' 37.928 W
2,800.0	20.98	326.36	2,733.5	352.2	-234.3	4,063,106.59	4,213,832.99	33° 51' 52.177 N	118° 14' 38.163 W
2,900.0	20.98	326.36	2,826.9	382.0	-254.2	4,063,136.41	4,213,813.16	33° 51' 52.472 N	118° 14' 38.397 W
2,975.2	20.98	326.36	2,897.1	404.4	-269.1	4,063,158.83	4,213,798.24	33° 51' 52.694 N	118° 14' 38.574 W
3,000.0	20.49	326.36	2,920.3	411.8	-273.9	4,063,166.14	4,213,793.38	33° 51' 52.766 N	118° 14' 38.632 W
3,100.0	18.49	326.36	3,014.6	439.5	-292.4	4,063,193.91	4,213,774.90	33° 51' 53.041 N	118° 14' 38.851 W
3,200.0	16.49	326.36	3,110.0	464.5	-309.1	4,063,218.93	4,213,758.25	33° 51' 53.289 N	118° 14' 39.048 W
3,300.0	14.49	326.36	3,206.3	486.8	-323.9	4,063,241.16	4,213,743.46	33° 51' 53.509 N	118° 14' 39.223 W
3,400.0	12.49	326.36	3,303.6	506.2	-336.8	4,063,260.58	4,213,730.54	33° 51' 53.701 N	118° 14' 39.376 W
3,500.0	10.49	326.36	3,401.6	522.8	-347.8	4,063,277.16	4,213,719.51	33° 51' 53.865 N	118° 14' 39.506 W
3,600.0	8.49	326.36	3,500.2	536.5	-356.9	4,063,290.88	4,213,710.38	33° 51' 54.001 N	118° 14' 39.615 W
3,700.0	6.49	326.36	3,599.3	547.3	-364.2	4,063,301.73	4,213,703.17	33° 51' 54.108 N	118° 14' 39.700 W
3,800.0	4.49	326.36	3,698.9	555.3	-369.5	4,063,309.69	4,213,697.87	33° 51' 54.187 N	118° 14' 39.763 W
3,900.0	2.49	326.36	3,798.7	560.4	-372.8	4,063,314.75	4,213,694.50	33° 51' 54.237 N	118° 14' 39.803 W
3,929.4	1.90	326.36	3,828.0	561.3	-373.4	4,063,315.69	4,213,693.88	33° 51' 54.246 N	118° 14' 39.810 W
Base of Shallow Gas									
4,000.0	0.49	326.36	3,898.6	562.5	-374.3	4,063,316.91	4,213,693.06	33° 51' 54.258 N	118° 14' 39.820 W
4,024.3	0.00	326.36	3,922.9	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W
DOM_001 T1 6-11-10									
4,024.4	0.00	0.00	3,923.0	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W
DOM_001 T1 6-11-10 Rev									

REC'D AUG 10 2010

OXY
Planning Report - Geographic

Database:	LGPSPP	Local Co-ordinate Reference:	Well DOM-001 (Western Prospect) - Slot Slot D
Company:	OXY USA LA BASIN	TVD Reference:	H&P 380 @ 193.0ft (RF Elev: 25', GL:168')
Project:	DOMINGUEZ FIELD	MD Reference:	H&P 380 @ 193.0ft (RF Elev: 25', GL:168')
Site:	REYES LANDS LEASE	North Reference:	Grid
Well:	DOM-001 (Western Prospect)	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIG HOLE		
Design:	Plan #3 8-3-10		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (uss ft)	Map Easting (uss ft)	Latitude	Longitude	
4,100.0	0.00	0.00	3,998.6	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
4,106.1	0.00	0.00	4,004.7	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
AA										
4,200.0	0.00	0.00	4,098.6	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
4,300.0	0.00	0.00	4,198.6	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
4,400.0	0.00	0.00	4,298.6	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
4,477.2	0.00	0.00	4,375.8	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
AM										
4,500.0	0.00	0.00	4,398.6	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
4,600.0	0.00	0.00	4,498.6	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
4,700.0	0.00	0.00	4,598.6	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
4,766.2	0.00	0.00	4,664.8	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
BC										
4,794.4	0.00	0.00	4,693.0	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
Western - BM										
4,800.0	0.00	0.00	4,698.6	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
4,900.0	0.00	0.00	4,798.6	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
5,000.0	0.00	0.00	4,898.6	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
5,061.6	0.00	0.00	4,960.2	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
BM										
5,100.0	0.00	0.00	4,998.6	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
5,200.0	0.00	0.00	5,098.6	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
5,300.0	0.00	0.00	5,198.6	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
5,393.1	0.00	0.00	5,291.8	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
BX										
5,400.0	0.00	0.00	5,298.6	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
5,500.0	0.00	0.00	5,398.6	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
5,600.0	0.00	0.00	5,498.6	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
5,700.0	0.00	0.00	5,598.6	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
5,800.0	0.00	0.00	5,698.6	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
5,900.0	0.00	0.00	5,798.6	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
5,940.4	0.00	0.00	5,839.0	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
B_West Fault										
5,977.4	0.00	0.00	5,876.0	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
CK										
6,000.0	0.00	0.00	5,898.6	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
6,100.0	0.00	0.00	5,998.6	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
6,200.0	0.00	0.00	6,098.6	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
6,300.0	0.00	0.00	6,198.6	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
6,400.0	0.00	0.00	6,298.6	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
6,500.0	0.00	0.00	6,398.6	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
6,524.9	0.00	0.00	6,423.5	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
CQ										
6,600.0	0.00	0.00	6,498.6	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
6,700.0	0.00	0.00	6,598.6	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
6,800.0	0.00	0.00	6,698.6	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
6,900.0	0.00	0.00	6,798.6	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
6,972.6	0.00	0.00	6,871.2	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
D										
7,000.0	0.00	0.00	6,898.6	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
7,100.0	0.00	0.00	6,998.6	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
7,200.0	0.00	0.00	7,098.6	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	

REC'D AUG 10 2010

OXY
Planning Report - Geographic

Database:	LGPSPP	Local Co-ordinate Reference:	Well DOM-001 (Western Prospect) - Slot Slot D
Company:	OXY USA LA BASIN	TVD Reference:	H&P 380 @ 193.0ft (RF Elev: 25', GL:168')
Project:	DOMINGUEZ FIELD	MD Reference:	H&P 380 @ 193.0ft (RF Elev: 25', GL:168')
Site:	REYES LANDS LEASE	North Reference:	Grid
Well:	DOM-001 (Western Prospect)	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIG HOLE		
Design:	Plan #3 8-3-10		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (uss ft)	Map Easting (uss ft)	Latitude	Longitude	
7,244.4	0.00	0.00	7,143.0	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W	
DOM_001 T2 6-11-10 rev										
7,300.0	2.13	11.35	7,198.6	563.6	-374.1	4,063,318.01	4,213,693.21	33° 51' 54.269 N	118° 14' 39.818 W	
7,392.5	5.67	11.35	7,290.9	569.8	-372.9	4,063,324.18	4,213,694.45	33° 51' 54.330 N	118° 14' 39.803 W	
DOM_001 T2 6-11-10										
7,400.0	5.96	11.35	7,298.3	570.5	-372.7	4,063,324.93	4,213,694.60	33° 51' 54.338 N	118° 14' 39.801 W	
7,500.0	9.79	11.35	7,397.4	584.0	-370.0	4,063,338.35	4,213,697.29	33° 51' 54.470 N	118° 14' 39.769 W	
7,600.0	13.61	11.35	7,495.3	603.8	-366.0	4,063,358.23	4,213,701.28	33° 51' 54.667 N	118° 14' 39.722 W	
7,700.0	17.44	11.35	7,591.6	630.1	-360.8	4,063,384.47	4,213,706.55	33° 51' 54.927 N	118° 14' 39.659 W	
7,800.0	21.27	11.35	7,686.0	662.6	-354.3	4,063,416.96	4,213,713.07	33° 51' 55.248 N	118° 14' 39.581 W	
7,900.0	25.10	11.35	7,777.9	701.2	-346.5	4,063,455.54	4,213,720.82	33° 51' 55.630 N	118° 14' 39.489 W	
8,000.0	28.92	11.35	7,866.9	745.7	-337.6	4,063,500.06	4,213,729.75	33° 51' 56.070 N	118° 14' 39.383 W	
8,098.8	32.71	11.35	7,951.7	795.3	-327.6	4,063,549.66	4,213,739.71	33° 51' 56.561 N	118° 14' 39.264 W	
8,100.0	32.71	11.35	7,952.8	795.9	-327.5	4,063,550.31	4,213,739.84	33° 51' 56.567 N	118° 14' 39.263 W	
8,200.0	32.71	11.35	8,036.9	848.9	-316.8	4,063,603.29	4,213,750.48	33° 51' 57.091 N	118° 14' 39.136 W	
8,226.5	32.71	11.35	8,059.3	863.0	-314.0	4,063,617.34	4,213,753.30	33° 51' 57.230 N	118° 14' 39.102 W	
8,300.0	29.89	11.35	8,122.0	900.4	-306.5	4,063,654.76	4,213,760.81	33° 51' 57.600 N	118° 14' 39.013 W	
8,400.0	26.07	11.35	8,210.3	946.4	-297.3	4,063,700.75	4,213,770.04	33° 51' 58.055 N	118° 14' 38.903 W	
8,500.0	22.24	11.35	8,301.6	986.5	-289.2	4,063,740.85	4,213,778.09	33° 51' 58.452 N	118° 14' 38.807 W	
8,600.0	18.41	11.35	8,395.3	1,020.5	-282.4	4,063,774.90	4,213,784.93	33° 51' 58.788 N	118° 14' 38.726 W	
8,700.0	14.58	11.35	8,491.2	1,048.4	-276.8	4,063,802.73	4,213,790.52	33° 51' 59.064 N	118° 14' 38.659 W	
7" Production Tieback										
8,713.0	14.09	11.35	8,503.7	1,051.5	-276.2	4,063,805.88	4,213,791.15	33° 51' 59.095 N	118° 14' 38.651 W	
DOM_001 T3 6-11-10										
8,761.1	12.24	11.35	8,550.6	1,062.3	-274.0	4,063,816.64	4,213,793.31	33° 51' 59.201 N	118° 14' 38.626 W	
Division C										
8,800.0	10.75	11.35	8,588.7	1,069.9	-272.5	4,063,824.23	4,213,794.83	33° 51' 59.276 N	118° 14' 38.608 W	
8,900.0	6.93	11.35	8,687.5	1,084.9	-269.5	4,063,839.29	4,213,797.85	33° 51' 59.425 N	118° 14' 38.572 W	
9,000.0	3.10	11.35	8,787.1	1,093.5	-267.8	4,063,847.86	4,213,799.57	33° 51' 59.510 N	118° 14' 38.551 W	
9 5/8" Production Casing										
9,080.9	0.00	0.00	8,868.0	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W	
DOM_001 T3 6-11-10 rev										
9,100.0	0.00	0.00	8,887.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W	
9,200.0	0.00	0.00	8,987.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W	
9,300.0	0.00	0.00	9,087.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W	
9,400.0	0.00	0.00	9,187.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W	
9,500.0	0.00	0.00	9,287.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W	
9,600.0	0.00	0.00	9,387.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W	
9,609.4	0.00	0.00	9,396.4	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W	
Division D										
9,700.0	0.00	0.00	9,487.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W	
9,800.0	0.00	0.00	9,587.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W	
9,900.0	0.00	0.00	9,687.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W	
10,000.0	0.00	0.00	9,787.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W	
10,100.0	0.00	0.00	9,887.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W	
10,200.0	0.00	0.00	9,987.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W	
10,300.0	0.00	0.00	10,087.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W	
10,400.0	0.00	0.00	10,187.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W	
10,409.1	0.00	0.00	10,196.2	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W	
Division E										
10,500.0	0.00	0.00	10,287.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W	
10,600.0	0.00	0.00	10,387.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W	

REC'D AUG 10 2010

OXY
Planning Report - Geographic

Database:	LGPSPP	Local Co-ordinate Reference:	Well DOM-001 (Western Prospect) - Slot Slot D
Company:	OXY USA LA BASIN	TVD Reference:	H&P 380 @ 193.0ft (RF Elev: 25', GL:168')
Project:	DOMINGUEZ FIELD	MD Reference:	H&P 380 @ 193.0ft (RF Elev: 25', GL:168')
Site:	REYES LANDS LEASE	North Reference:	Grid
Well:	DOM-001 (Western Prospect)	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIG HOLE		
Design:	Plan #3 8-3-10		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (uss ft)	Map Easting (uss ft)	Latitude	Longitude
10,700.0	0.00	0.00	10,487.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W
10,800.0	0.00	0.00	10,587.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W
10,900.0	0.00	0.00	10,687.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W
11,000.0	0.00	0.00	10,787.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W
11,100.0	0.00	0.00	10,887.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W
11,141.4	0.00	0.00	10,928.4	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W
C50 Thrust									
11,174.6	0.00	0.00	10,961.7	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W
Division E repeat									
11,200.0	0.00	0.00	10,987.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W
11,300.0	0.00	0.00	11,087.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W
11,400.0	0.00	0.00	11,187.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W
11,454.4	0.00	0.00	11,241.4	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W
Division F (volcanics)									
11,500.0	0.00	0.00	11,287.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W
11,600.0	0.00	0.00	11,387.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W
11,700.0	0.00	0.00	11,487.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W
11,800.0	0.00	0.00	11,587.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W
11,900.0	0.00	0.00	11,687.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W
12,000.0	0.00	0.00	11,787.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W
12,100.0	0.00	0.00	11,887.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W
12,168.4	0.00	0.00	11,955.5	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W
Schist Basement									
12,200.0	0.00	0.00	11,987.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W
12,300.0	0.00	0.00	12,087.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W
12,368.4	0.00	0.00	12,155.5	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W
Basement +200' vd									
12,400.0	0.00	0.00	12,187.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W
12,500.0	0.00	0.00	12,287.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W
12,600.0	0.00	0.00	12,387.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W
12,690.0	0.00	0.00	12,477.1	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W
7" Production Liner									
12,690.9	0.00	0.00	12,478.0	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W
DOM_001 T4 6-11-10 - Western - Schist Basement (TD)									

REC'D AUG 10 2010

OXY
Planning Report - Geographic

Database:	LGPSPP	Local Co-ordinate Reference:	Well DOM-001 (Western Prospect) - Slot Slot D
Company:	OXY USA LA BASIN	TVD Reference:	H&P 380 @ 193.0ft (RF Elev: 25', GL:168')
Project:	DOMINGUEZ FIELD	MD Reference:	H&P 380 @ 193.0ft (RF Elev: 25', GL:168')
Site:	REYES LANDS LEASE	North Reference:	Grid
Well:	DOM-001 (Western Prospect)	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIG HOLE		
Design:	Plan #3 8-3-10		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(uss ft)	(uss ft)		
- Shape									
DOM_001 T1 6-11-10 F - plan hits target center - Point	0.00	0.00	3,923.0	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W
DOM_001 T1 6-11-10 - plan misses target center by 22.8ft at 4024.4ft MD (3923.0 TVD, 562.6 N, -374.3 E) - Point	0.00	0.00	3,923.0	541.6	-383.3	4,063,296.00	4,213,684.00	33° 51' 54.052 N	118° 14' 39.927 W
Western - BM - plan misses target center by 200.7ft at 4794.4ft MD (4693.0 TVD, 562.6 N, -374.3 E) - Point	0.00	359.95	4,693.0	431.6	-526.3	4,063,186.00	4,213,541.00	33° 51' 52.965 N	118° 14' 41.624 W
DOM_001 T2 6-11-10 ri - plan hits target center - Point	0.00	0.00	7,143.0	562.6	-374.3	4,063,317.00	4,213,693.00	33° 51' 54.259 N	118° 14' 39.820 W
DOM_001 T2 6-11-10 - plan misses target center by 30.1ft at 7392.5ft MD (7290.9 TVD, 569.8 N, -372.9 E) - Point	0.00	0.00	7,293.0	541.6	-383.3	4,063,296.00	4,213,684.00	33° 51' 54.052 N	118° 14' 39.927 W
DOM_001 T3 6-11-10 - plan misses target center by 46.3ft at 8713.0ft MD (8503.7 TVD, 1051.5 N, -276.2 E) - Point	0.00	0.00	8,493.0	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W
DOM_001 T3 6-11-10 ri - plan hits target center - Point	0.00	0.00	8,868.0	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W
DOM_001 T4 6-11-10 - plan hits target center - Point	0.00	0.00	12,478.0	1,095.6	-267.3	4,063,850.00	4,213,800.00	33° 51' 59.531 N	118° 14' 38.546 W
Western - Schist Basem - plan misses target center by 386.0ft at 12690.9ft MD (12478.0 TVD, 1095.6 N, -267.3 E) - Circle (radius 50.0)	0.00	359.95	12,557.0	941.6	77.7	4,063,696.00	4,214,145.00	33° 51' 58.005 N	118° 14' 34.456 W

Casing Points					
Measured Depth	Vertical Depth	Name	Casing Diameter	Hole Diameter	
(ft)	(ft)		(in)	(in)	
300.0	300.0	18 5/8" Conductor Casing	18.625	24.000	
2,000.0	1,985.3	13 3/8" Surface Casing	13.375	17.500	
8,700.0	8,491.2	7" Production Tieback	7.000	7.000	
9,000.0	8,787.1	9 5/8" Production Casing	9.625	12.250	
12,690.0	12,477.1	7" Production Liner	7.000	8.500	

REC'D AUG 10 2010

OXY
Planning Report - Geographic

Database:	LGPSPP	Local Co-ordinate Reference:	Well DOM-001 (Western Prospect) - Slot Slot D
Company:	OXY USA LA BASIN	TVD Reference:	H&P 380 @ 193.0ft (RF Elev: 25', GL:168')
Project:	DOMINGUEZ FIELD	MD Reference:	H&P 380 @ 193.0ft (RF Elev: 25', GL:168')
Site:	REYES LANDS LEASE	North Reference:	Grid
Well:	DOM-001 (Western Prospect)	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIG HOLE		
Design:	Plan #3 8-3-10		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,188.9	2,163.0	BFW		0.00		
3,929.4	3,828.0	Base of Shallow Gas		0.00		
4,106.1	4,004.7	AA				
4,477.2	4,375.8	AM				
4,766.2	4,664.8	BC				
5,061.6	4,960.2	BM				
5,393.1	5,291.8	BX				
5,940.4	5,839.0	B_West Fault		0.00		
5,977.4	5,876.0	CK				
6,524.9	6,423.5	CQ				
6,972.6	6,871.2	D				
8,761.1	8,550.6	Division C		14.40	264.10	
9,609.4	9,396.4	Divisin D		26.50	269.00	
10,409.1	10,196.2	Division E		29.50	268.10	
11,141.4	10,928.4	C50 Thrust		39.90	32.00	
11,174.6	10,961.7	Division E repeat		6.30	217.30	
11,454.4	11,241.4	Division F (volcanics)		2.00	168.50	
12,168.4	11,955.5	Schist Basement		7.30	135.50	
12,368.4	12,155.5	Basement +200' vd		7.30	135.50	

REC'D AUG 10 2010

Assumed Mud Weight and Assumed Frac Gradient for DOM-001
(All Depths Assumed to be Vertical)

Callender 152 Actual		Callender 152 Actual		DOM-001 Assumed			DOM-001 DOGGR		DOM-001 Assumed		DOM-001 Planned	
Depth	MW	Mud Gradient	Mud BHP	Resv Press	Resv Grad	Resv EMW	Frac Grad	Frac EMW	Frac Grad	Frac EMW	MW	OverBalance
0	9.5	0.494	0	0	#DIV/0!	#DIV/0!	0.600	11.5	0.570	11.0	#DIV/0!	0
300	9.5	0.494	148	133	0.444	8.5	0.610	11.7	0.580	11.2	10.0	23
500	9.5	0.494	247	222	0.444	8.5	0.615	11.8	0.585	11.3	10.0	37
680	9.5	0.494	336	302	0.444	8.5	0.620	11.9	0.590	11.3	10.0	50
1000	9.5	0.494	494	444	0.444	8.5	0.630	12.1	0.600	11.5	10.0	75
2000	9.5	0.494	988	888	0.444	8.5	0.660	12.7	0.630	12.1	10.0	150
2263	9.5	0.494	1118	1005	0.444	8.5	0.665	12.8	0.635	12.2	10.0	175
3000	9.5	0.494	1482	1332	0.444	8.5	0.690	13.3	0.660	12.7	9.8	200
4000	9.5	0.494	1976	1776	0.444	8.5	0.720	13.8	0.690	13.3	9.5	200
5000	9.5	0.494	2470	2220	0.444	8.5	0.750	14.4	0.720	13.8	9.3	200
6000	9.5	0.494	2964	2664	0.444	8.5	0.780	15.0	0.750	14.4	9.2	200
7000	9.5	0.494	3458	3108	0.444	8.5	0.810	15.6	0.780	15.0	9.1	200
8000	9.5	0.494	3952	3552	0.444	8.5	0.840	16.2	0.810	15.6	9.0	200
8187	9.5	0.494	4044	3639	0.445	8.5	0.845	16.3	0.815	15.7	9.0	200
8187	9.6	0.499	4087	3682	0.450	8.6	0.845	16.3	0.815	15.7	9.1	200
8765	9.6	0.499	4375	3940	0.450	8.6	0.860	16.5	0.830	16.0	9.1	200
8765	9.8	0.510	4467	4032	0.460	8.8	0.860	16.5	0.830	16.0	9.3	200
8800	9.8	0.510	4484	4044	0.460	8.8	0.865	16.6	0.835	16.1	9.3	200
8921	9.8	0.510	4546	4101	0.460	8.8	0.865	16.6	0.835	16.1	9.3	200
8921	10.7	0.556	4964	4519	0.507	9.7	0.865	16.6	0.835	16.1	10.2	200
9000	10.7	0.556	5008	4558	0.506	9.7	0.870	16.7	0.840	16.2	10.2	200
9978	10.7	0.556	5552	5052	0.506	9.7	0.895	17.2	0.865	16.6	10.1	200
9978	11.2	0.582	5811	5311	0.532	10.2	0.895	17.2	0.865	16.6	10.6	200
11619	11.2	0.582	6767	6187	0.532	10.2	0.950	18.3	0.920	17.7	10.6	200
11619	11.5	0.598	6948	6368	0.548	10.5	0.950	18.3	0.920	17.7	10.9	200
11620	11.5	0.598	6949	6369	0.548	10.5	0.950	18.3	0.920	17.7	10.9	200
11620	11.8	0.614	7130	6550	0.564	10.8	0.950	18.3	0.920	17.7	11.2	200
11828	11.8	0.614	7258	6668	0.564	10.8	0.955	18.4	0.925	17.8	11.2	200
11828	12.7	0.660	7811	7221	0.611	11.7	0.955	18.4	0.925	17.8	12.1	200
12128	12.7	0.660	8009	7404	0.611	11.7	0.965	18.6	0.935	18.0	12.1	200
12128	13.5	0.702	8514	7909	0.652	12.5	0.965	18.6	0.935	18.0	12.9	200
12417	13.5	0.702	8717	8097	0.652	12.5	0.975	18.8	0.945	18.2	12.8	200
12417	14.4	0.749	9298	8678	0.699	13.4	0.975	18.8	0.945	18.2	13.7	200

REC'D AUG 10 2010

Well: DOM-001 (Well) Prospect) Field: Dominguez - Wellbore Schematic

08/10/10

MLM

30", 18-5/8", & 13-3/8" Csg - Cement to Surf

30", 118.6#, Welded Conductor grouted at 105' MD/ 105' VD

24" Conductor Hole Section
Install 21-1/4" Flange & N/U 2M Annular

MW: 10.0 ppg (WBM)

18-5/8", 87.5#, J-55 BTC 2nd Conductor cmt'd at 300' MD/ 300' VD

(KOP at 1100')

MW: 10.0 ppg (WBM)

17-1/2" Surface Hole Section
(Build to 21.1° at 2.5°/100' DLS)

13-3/8", 72#, L-80 BTC Surface Csg cmt'd at 2,000' MD/ 1,985' VD

Install 13-5/8" WH & N/U 10M BOPE

FIT Min: 13.4 ppg

9-5/8" Csg TOC at 2,075' (100' above BFW)/
500' above top hydrocarbon zone

BFW - 2,189' MD / 2,163' VD

(Hold 21.1° from 2158' to 2967')

Potential Shallow Gas Sands below BFW

(Drop to vertical at 2.0°/100' DLS)

MW: 9.8 ppg at 3,000' MD / 2,918' VD

Target #1 at 4,025' MD/ 3,923' VD

Base of Potential Gas Sands - 3,930' MD/ 3,828' VD

12-1/4" Intermediate Hole Section

Callender 1 (AA) - 4,107' MD/ 4,005' VD

(Hold at vertical from 4025' to 7245')

9-5/8", 53.5# T-95 LTC Int Csg Surface - 5,000 MD/ 4,896' VD

(Build to 32.7° at 3.8°/100' DLS)

Callender 8 (D) - 6,974' MD / 6,871' VD

Target #2 at 7,245' MD/ 7,143' VD

MW: 9.1 ppg at 7,500' MD / 7,395' VD

(Hold 32.7° from 8100' to 8228')

Division C - 8,765' MD / 8,509' VD

7" Liner TOC at 8200' (500' over 7" liner top)/
then cleanout cement to liner top & test lap

Estimated 7" TLH - 8700' MD/ 8490' VD

MW: 9.1 ppg at 8,900' MD / 8,685' VD

(Drop to vertical at 3.8°/100' DLS)

9-5/8", 53.5#, P-110 LTC Int Csg 5,000 - 9,000 MD/ 8,786' VD

FIT Min: 15.3 ppg

Division D - 9,615' MD / 9,273' VD

Target #3 at 9,082' MD/ 8,868' VD

MW: 10.2 ppg at 9,950' MD / 9,734' VD

(Hold at vertical from 9082' to TD)

MW: 10.1 ppg at 10,045' MD / 9,829' VD

8-1/2" Production Hole Section

Division E - 10,416' MD / 10,066' VD

C50 Thrust - 11,136' MD / 10,270' VD

MW: 10.6 ppg at 11,150' MD / 10,934' VD

REC'D AUG 10 2010

Division E (repeat) - 11,177' MD / 11,040' VD

Division F (Volcanics) - 11,455' MD / 11,281' VD

MW: 10.6 ppg at 11,650' MD / 11,434' VD

MW: 11.2 ppg at 11,905' MD / 11,689' VD

MW: 12.1 ppg at 12,156' MD / 11,940' VD

Schist Basement - 12,169' MD / 12,080' VD

MW: 12.9 ppg at 12,350' MD / 12,134' VD

MW: 13.7 ppg at 12,630' MD / 12,417' VD

Target #4 at 12,692' MD/ 12,476' TVD

Planned TD 12,692' MD / 12,478' TVD

7", 32#, P-110 LTC Prod Lnr 8700'-12,690' MD/ 12,476' VD

Huff, John C.

From: Lagomarsino, Adele
Sent: Thursday, August 05, 2010 10:16 AM
To: Huff, John C.
Cc: Miller, Elena; Pierce, James; Khan, Ali
Subject: Oxy-Dominguez Exploratory wells

Good Morning John,

The consensus from Sacramento is that the Specific Plan EIR prepared for the Dominguez Technology Centre is adequate CEQA documentation for the above referenced project. I would appreciate your notifying Mr. Kapelke. Thanks alot for your assistance with this.

Adele Lagomarsino
Associate Environmental Planner
Department of Conservation
Division of Oil, Gas and Geothermal Resources
(916) 323-2258
(916) 323-0424 FAX



REC'D AUG 04 2010

301 East Ocean Blvd, Suite 300
P.O. Box 1330
Long Beach, CA 90801

August 2, 2010

John Huff
Associate Oil and Gas Engineer
California Division of Oil, Gas, and Geothermal Resources
5816 Corporate Avenue, Suite 200
Cypress, CA 90630-4731

Subject: Notification of Fire Department Regarding Issuance of Drilling Permit for
DOM-001

Dear Mr. Huff:

I am writing to you to follow-up on a phone conversation you had today with Chris Phillips, our agent with the California Division of Oil, Gas, and Geothermal Resources. I understand that the California Division of Oil, Gas, and Geothermal Resources wants to notify the fire department that the California Division of Oil, Gas, and Geothermal Resources is issuing a permit to Oxy for Oxy to drill Well DOM-001 in the City of Carson and that you are concerned with sending a notification to the fire department because Oxy has asked that Well DOM-001 be kept confidential.

Please consider this letter as giving you permission to notify the fire department that the California Division of Oil, Gas, and Geothermal Resources has issued a drilling permit to Oxy to drill Well DOM-001 in the City of Carson. Please be aware that the City of Carson is served by the Los Angeles County Fire Department and that the closest station to our proposed drill site is Station #116 located at 755 Victoria Street, Carson, CA 90746.

If you have any questions, please feel free to contact me.

Sincerely,

Mark S. Kapelke, P.E.
Vice President - Engineering & Operations
Oxy USA Inc. | LA Basin Asset
Office: (562)495-9348
Email: mark_kapelke@oxy.com

cc: Chris Phillips, Senior Geological Advisor, Oxy USA Inc., LA Basin



REC'D JUL 22 2010

CITY OF CARSON

July 20, 2010

Mr. Mark Kapelke
Vice President
Oxy USA, Inc. – Los Angeles Basin Asset
301 E. Ocean Boulevard
P.O. Box 1330
Long Beach, CA 90801

Re: Oxy Drilling at Two (2) Test Wells in Dominguez Technology Center, City of Carson, CA

Dear Mr. Kapelke,

Pursuant to your request, staff has researched requirements for the development of two (2) test wells at a Dominguez Technology Center (DTC) site in the City of Carson. The site is currently held to development standards contained in Specific Plan No. 2-89 which covers existing and proposed development for all property within DTC boundaries, including new oil well operations. According to the specific plan, test wells are an automatically permitted use subject to screening standards which include walls, interior barbed wire (not visible from public rights-of-way), and increased landscaping.

Please phone me at (310) 952-1761, ext. 1810, or contact me via e-mail at snewberg@carson.ca.us should you have any questions.

Sincerely,

Steven Newberg, AICP, Associate Planner

Cc: Mr. John Huff
Associate Oil and Gas Engineer
State of California, Department of Conservation
Division of Oil, Gas and Geothermal Resources
5816 Corporate Avenue, Suite 200
Cypress, CA 90630-4731

Oxy USA Inc. Dominguez Test Wells Project Description

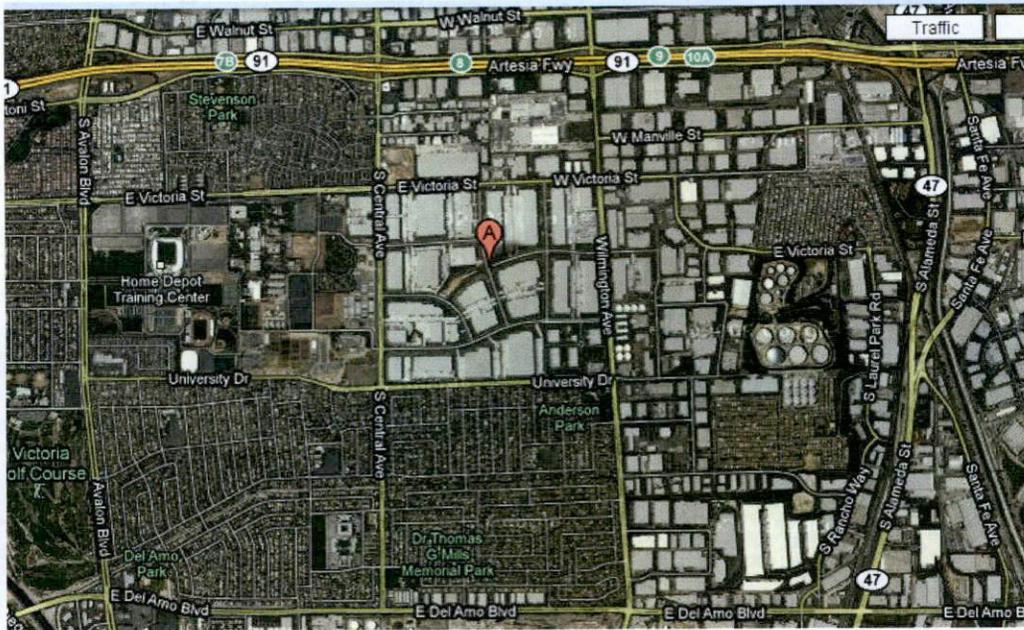
Oxy plans to drill two test wells (DOM-001 and DOM-002) in 2010 in the Dominguez Field to determine the economic viability of redeveloping the Dominguez Field. Both wells will be drilled from the same surface drill site. Following drilling and completion, the two test wells will be produced and tested into temporary facilities. No permanent production facilities are planned for the two test wells. The test wells will be drilled and temporary facilities installed in accordance with the City of Carson zoning ordinance and general plan. The test wells and temporary facilities will also be developed pursuant to the Development Plan that authorizes said activities (Ordinance 90-925), the Specific Plan for the Dominguez Technology Centre, and the Final EIR prepared for the Specific Plan.

If the data collected from the test wells indicate that it is economic to proceed with further development, Oxy plans to approach the City of Carson and work with the City of Carson as the lead agency to perform CEQA environmental review, and have a development plan approved. If further development is planned, Oxy will also submit a permit application for a waterflood to DOGGR and a permit application to the South Coast Air Quality Management District for permanent facilities including an oil production processing facility. Oxy will not proceed with development of the Dominguez Field, beyond the two test wells that are planned for this year, without proceeding through a CEQA review and obtaining approval of a subsequent development plan.

Location / Setting

The proposed drill site consists of an existing triangular-shaped 1.3 acre yard area located within the Dominguez Technology Centre in the City of Carson (see attached surface lease plat). This yard area was set aside for oil and gas drilling and production when the Dominguez Technology Centre was developed and is already fenced, graded, and paved with asphalt concrete. Adjacent land uses consist of warehouses, trucking terminals, and manufacturing facilities. A stormwater detention basin is located to the south of the drill site. The nearest residences are located 0.4 miles away south and northwest of the drill site.





The two wells have been classified as “critical” wells under DOGGR regulations due to the presence of staffed warehouse buildings within 300 feet. The wells do not meet any other criteria for classification as a critical well, i.e., they are located more than 100 feet from a dedicated public street/highway, navigable body of water/perennial watercourse, public recreational facility, or wildlife preserve. The wells are also greater than 500 feet from any public school, public park, hospital, long-term care facility or residence (ref. Section 9148.2 of the City of Carson Zoning Ordinance).

Site Preparation

Prior to drilling, the following site preparation activities will be performed:

- Removal of existing electric light standards (necessary to accommodate drilling operations).
- Geotechnical investigation to confirm adequate soil conditions to support drilling rig loads.
- Removal of the asphalt paving underneath the rig footprint and construction of a level pad for the rig substructure and adjacent components (approx. 15,000 sq. ft).
- Installation of a concrete stormwater /spill containment wall along the south and west sides of the drill site and an asphalt concrete berm around the remaining perimeter of the drill site.
- Installation of two well cellars, two conductor casings, and two mouseholes.
- Relocation of the chain link fencing and installation of a gate in the northwest corner of the drill site to provide a secondary means of ingress and egress.

No road or other offsite construction is required for this project. Grading is expected to be minimal as the site has already been graded and paved.

Oxy's lease of the surface drill site began in June 2010. Site preparation activities are expected to take 30 days over a two month period from July to August 2010. Site preparation activities will be limited to weekdays 7 a.m. to 8 p.m. and Saturdays 10 a.m. to 6 p.m., consistent with FEIR Mitigation Measure 36.

Drilling

DOM-001 will be drilled to a total depth of 12,716 feet using a contracted diesel-electric triples drilling rig. Oxy plans to use a Helmerich & Payne Flex3 rig to drill the two wells. This state-of-the-art rig is well known by Oxy and has been under contract to them since January 2008. The well construction of DOM-001 is described in the Notice of Intention to Drill New Well, submitted to the DOGGR on April 15, 2010.

DOM-002 will be drilled immediately after DOM-001 in a similar manner to DOM-001. Drilling of the two wells will be conducted 24-hours a day for an estimated four month period from October 2010 to January 2011.

Completion & Testing

After the first two wells are drilled, a smaller production rig will be used to complete the two wells. Following well completion, production testing will be conducted using portable, rental test equipment. The test equipment is expected to consist of a 3-phase separator, gas scrubber, and flare or thermal oxidizer. All equipment will be located within the 1.3 acre area designated for oil and gas exploration activities. Air emitting equipment will have AQMD permits. The volume of temporary tankage will not exceed the limits set in Section 9148.2 of the City of Caron Zoning Ordinance. The completion and testing period are expected to last one year.

Well Control

Well control equipment, procedures, testing, and drills will be conducted in accordance with DOGGR regulations and permit conditions. A 2,000 psi annular preventer will be installed while drilling the surface hole. A Class IV, 10,000 psi blowout preventer stack (5,000 psi annular) will be installed while drilling below surface casing to total depth. A 10,000 psi tubing head and tree will be installed on the wells. Although hydrogen sulfide is not expected to exceed 10 ppm based on the limited historical data available for the field, Oxy has designed the well casing, wellhead equipment, and tree for sour service meeting the requirements of NACE MR-0175 due to the exploratory nature of the wells.

Trucking, Transportation

Primary access to the site will be from Bishop Ave. over existing roads and via an existing concrete driveway leading to the drill site. A secondary means of access/egress will be through the adjacent warehouse facility and north to Charles Willard St. Trucking to and from the drill site will be performed 24-hours a day. Trucking currently occurs 24-hours a day from existing land uses within the Dominguez Technology Centre.

Stormwater Pollution / Spill Prevention

The drill site slopes to the southwest corner where a storm drain is located. A 3-ft concrete spill containment wall will be constructed along the south and west sides of the drill site to prevent storm water and spills from reaching the storm drain. The containment wall is designed to contain a 25-year 24-hour storm, plus the contents of the largest storage tank (500 bbls) planned during the drilling, completion, and testing of the two test wells.

A Spill Prevention Control and Countermeasure (SPCC) plan covering drilling, completion and testing activities will be prepared for the drill site. All discharges of storm water from the containment area to the storm drain will be inspected for hydrocarbons before discharge in accordance with a site-specific stormwater pollution prevention plan and the SPCC plan. All spills or all storm water determined to be unsuitable for discharge to the storm drain will be hauled from the drill site and disposed at a facility permitted to accept such wastes.

A closed mud system will be employed; no earthen sumps will be used. Excess mud and cuttings will be disposed at an offsite disposal facility permitted to accept such materials.

Noise

To minimize noise during construction (i.e., site preparation) activities, Oxy will employ the noise mitigation measures outlined in the EIR. Specifically, construction hours will be limited to weekdays between the hours of 7 a.m. to 8 p.m. and Saturdays between 10 a.m. to 6 p.m. No construction work will

take place on Sundays or holidays. In addition, noise attenuation measures will be employed during construction hours to reduce noise impacts to surrounding uses.

For drilling operations, Oxy plans to use the Flex3 drilling rig which incorporates several innovative technologies for noise reduction including:

- An alternating current (AC) drawworks with regenerative electric and mechanical disc braking, which eliminates traditional brake bands and their associated noise.
- The drawworks is mounted at ground level rather than on the rig floor.
- An automated pipe handling system.

Oxy will also use soundproofing mechanisms, such as temporary barriers, blankets and/or silencers, around noise-producing equipment on the rig to keep noise to a minimum.

Visual Screening, Signage, Security

The drill site is surrounded on the south, west and north sides by an existing 8-foot high chain link fence. Screen cloth is attached to the chain link to provide a visual barrier. At the entrance to the drill site off Bishop Ave., there is an existing 11-foot concrete wall and sliding steel gate.

The drill site will be staffed 24-hours a day during drilling, completion, and testing operations. Lighting to ensure safe working conditions will be provided by the drilling rig or rental light plants. Adequate toilet and wash facilities will be provided onsite during drilling, completion and testing of the two test wells.

Air Pollution

Temporary, portable, rental emission producing equipment will be used during the drilling, completion and testing of the two wells. The drilling rig is equipped with EPA Tier II diesel engines operating under Statewide Portable Equipment Registration. All rental emission-producing equipment will comply with AQMD or CARB permitting regulations. No permanent equipment requiring air permitting is planned for the first two wells. Rig crews will work a two weeks on, two weeks off schedule and will car pool to the drill site from local lodging in the City of Carson during their week on.

CHARLES WILLARD

Oxy USA Inc. DOM-001 Surface Lease Plat

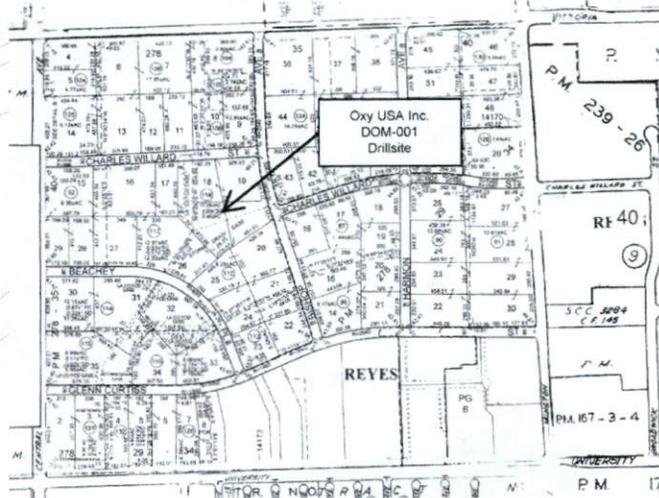
BISHOP

PROPOSED BUILDING
DTCW LOT 12
77,653 SF FOOTPRINT
4,240 SF MEZZANINE
B / S-1 / F OCCUPANCY
TYPE III-N

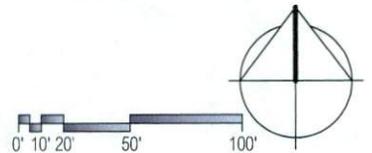
1/2% SLOPE
←
410'

Drillsite Location
APN: 7319-039-118 Portion

AC PAVED YARD AREA



SITE PLAN DTCW LOT 12



EXISTING
DETENTION BASIN

Google maps Address

To see all the details that are visible on the screen, use the "Print" link next to the map.

Get Directions My Maps

Print Send Link



PG 40

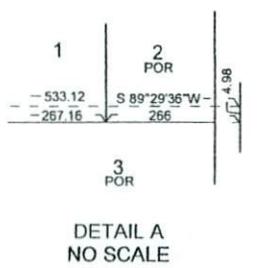
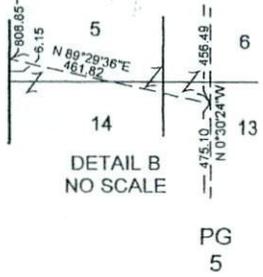
PG 3

PG 34



2007

MAPPING AND GIS SERVICES
SCALE 1" = 400'



RO SAN PEDRO ALLOTTED TO MANUEL DOMINGUEZ

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SUNIVERSITY

CENTRAL

STORM DRAIN EASE

BK 7322

DR

NESTOR AVE

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PG 6

BK 7318

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Huff, John C.

From: Max_Oyola@oxy.com
Sent: Thursday, May 13, 2010 4:16 PM
To: Huff, John C.
Subject: RE: DOM-001 Permit Justifications

Yes sir, that is correct.

-Max

From: Huff, John C. [mailto:John.C.Huff@conservation.ca.gov]
Sent: Thursday, May 13, 2010 4:12 PM
To: Oyola, Max T
Subject: RE: DOM-001 Permit Justifications

Max,

Regarding the installation of the conductor, will the conductor be cemented to surface?

Thanks,

John

From: Max_Oyola@oxy.com [mailto:Max_Oyola@oxy.com]
Sent: Thursday, May 13, 2010 3:51 PM
To: Huff, John C.
Subject: DOM-001 Permit Justifications

Per our conversation, these are the justifications for the 3 topics that we discussed:

1. **Conductor Setting depth – 200' to 300' MD**
 - a. To have more integrity should a kick be encounter, along with the use of a diverter
 - b. There's an existing flood control channel that slopes down to 40'-50', and we would like to be deeper in case of lost circulation incidents.
2. **13-3/8" Surface Casing Depth of 2000' MD**
 - a. For Kick Tolerance / pressure control
 - b. Be able to drill and set 9-5/9" Casing down to +/- 10000' TVD
3. **Top of Cement depth of 9-5/8" Casing – BFW is estimated to be at 2175' MD, and there's a potential Base of Shallow gas at 3800' TVD. The top of the gas sand is unknown, but estimated to be somewhere below the BFW. In any case, the TOC will be set at 500' above the uppermost hydrocarbon zone, which will be dictated by LWD Logs while drilling. The cement program will be adjusted accordingly.**

I'm also attaching the map that was requested showing our wellpath within our lease lines.

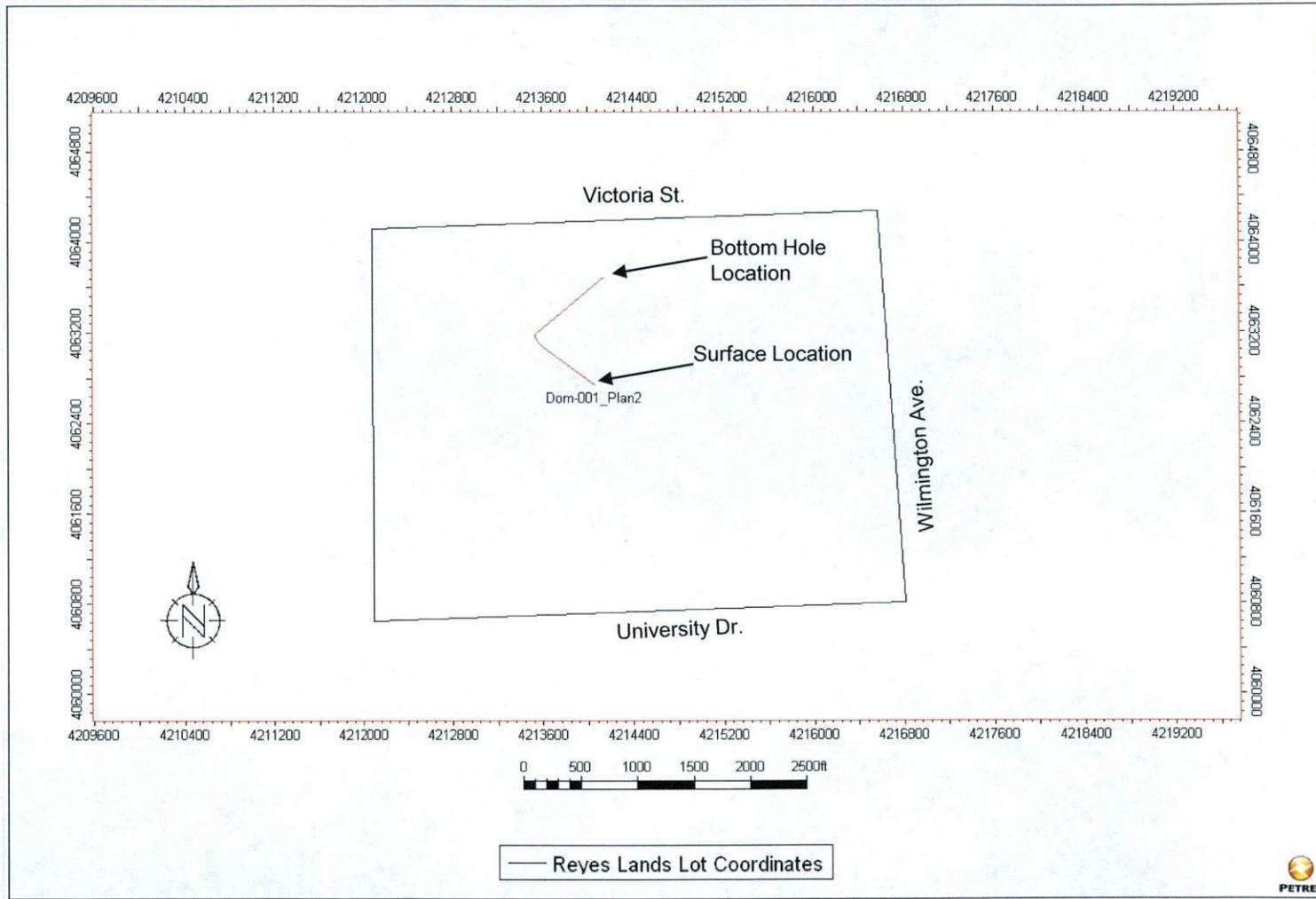
I hope I have answered all your questions, but should you have any other issues to discuss, please contact me anytime.

Best regards,
Max Oyola

Max T. Oyola
Sr. Drilling Engineer
Occidental Oil & Gas Corporation
Oxy Long Beach, Inc. Business Unit
Office: 562-624-3239
Mobile: 562-900-2465
E-mail: Max_Oyola@oxy.com

Oxy USA, Inc.
DOM-001 Well Path
Reyes Mineral Lease Boundary (western portion)

REC'D MAY 13 2010



NATURAL RESOURCES AGENCY
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

Cypress, California
April 29, 2010

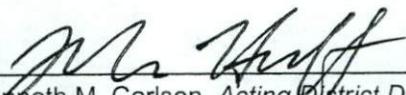
Chris Phillips, Agent
Oxy USA, Inc.
301 East Ocean Blvd.,
Long Beach, CA 90801

I have received your notice dated **4/14/2010**, of your intention to **drill** well **DOM-001**, API# **037-27124**,
Sec. **33**, T. **3S**, R. **13W**, **SB B. & M.**, **Dominguez** Field.

The proposal is currently under review by Division personnel. The permit will be issued when the review is complete. If you have any questions, please call John Huff at (714) 816-6847.

Elena M. Miller

State Oil and Gas Supervisor

By: 
For: Kenneth M. Carlson, Acting District Deputy

JCH:jch

cc: Update

Huff, John C.

From: Chris_Phillips@oxy.com
Sent: Monday, April 19, 2010 1:46 PM
To: Huff, John C.
Cc: Max_Oyola@oxy.com; Jim_Chacomas@oxy.com; Mark_Kapelke@oxy.com
Subject: Confidential Status

John,

Well Callender 79 is not on our lease but does penetrate the new pool below the Dominguez Field.

Callender 79
TD 12720
API 04037070580000

Hope this helps.

Best Regards,

Chris Phillips
Senior Geological Advisor
Oxy L. A. Basin
Main: (562) 436-9918
Office: (562) 495-9349

Huff, John C.

From: Chris_Phillips@oxy.com
Sent: Friday, April 16, 2010 11:22 AM
To: Huff, John C.
Cc: Max_Oyola@oxy.com
Subject: Fw: Dominguez Type Log
Attachments: Dominguez Type Log.pdf

John,

Per your request, attached is the type log you requested.

You also requested the TD and API number for any wells penetrating the pool we will be drilling into for our confidential project.

There is only one well on our lease that penetrated the pool we are targeting - Reyes 135. The API is 04037068780000 and the TD is 12455 feet.

Best Regards,

Chris Phillips
Agent OXY USA Inc. LA Basin

From: Hill, Kristina
To: Phillips, Chris (Tidelands)
Sent: Fri Apr 16 08:01:44 2010
Subject: Dominguez Type Log

Here's the .pdf file, Chris.

<<Dominguez Type Log.pdf>>

- Kristina



DEPARTMENT OF CONSERVATION

Managing California's Working Lands

Division of Oil, Gas, & Geothermal Resources

5816 CORPORATE AVENUE • SUITE 200 • CYPRESS, CALIFORNIA 90630-4731

PHONE 714 / 816-6847 • FAX 714 / 816-6853 • WEB SITE conservation.ca.gov

May 4, 2010

Chris Phillips, Agent
Oxy USA, Inc.
301 East Ocean Blvd.,
Long Beach, CA 90801

Subject: Confidential Status for Exploratory Well DOM-001 (API# 037-26491)

Dear Mr. Phillips:

Your request for confidential status for the subject exploratory well is granted. All records pertaining to this well will be held confidential until two years from the cessation of drilling operations. If you have any questions, please feel free to contact me at (714) 816-6847.

Sincerely,

A handwritten signature in black ink, appearing to read "John Huff".

John Huff
Associate Oil & Gas Engineer

JCH:jch



OXY USA INC.

301 EAST OCEAN BOULEVARD, 3RD
FLOOR
LONG BEACH, CALIFORNIA 90801
TELEPHONE (562) 495-9340
FACSIMILE (562) 495-1950

April 14th, 2010

Mr. Ken Carlson
Acting District Deputy
5816 Corporate Ave. Suite 200
Cypress, CA 90630-4731
Phone: (714) 816-6847

Subject: Well DOM-001
Sec. 33, Township 3 South, Range 13 West, S.B. B.&M.
Dominguez Field

Dear Mr. Carlson:

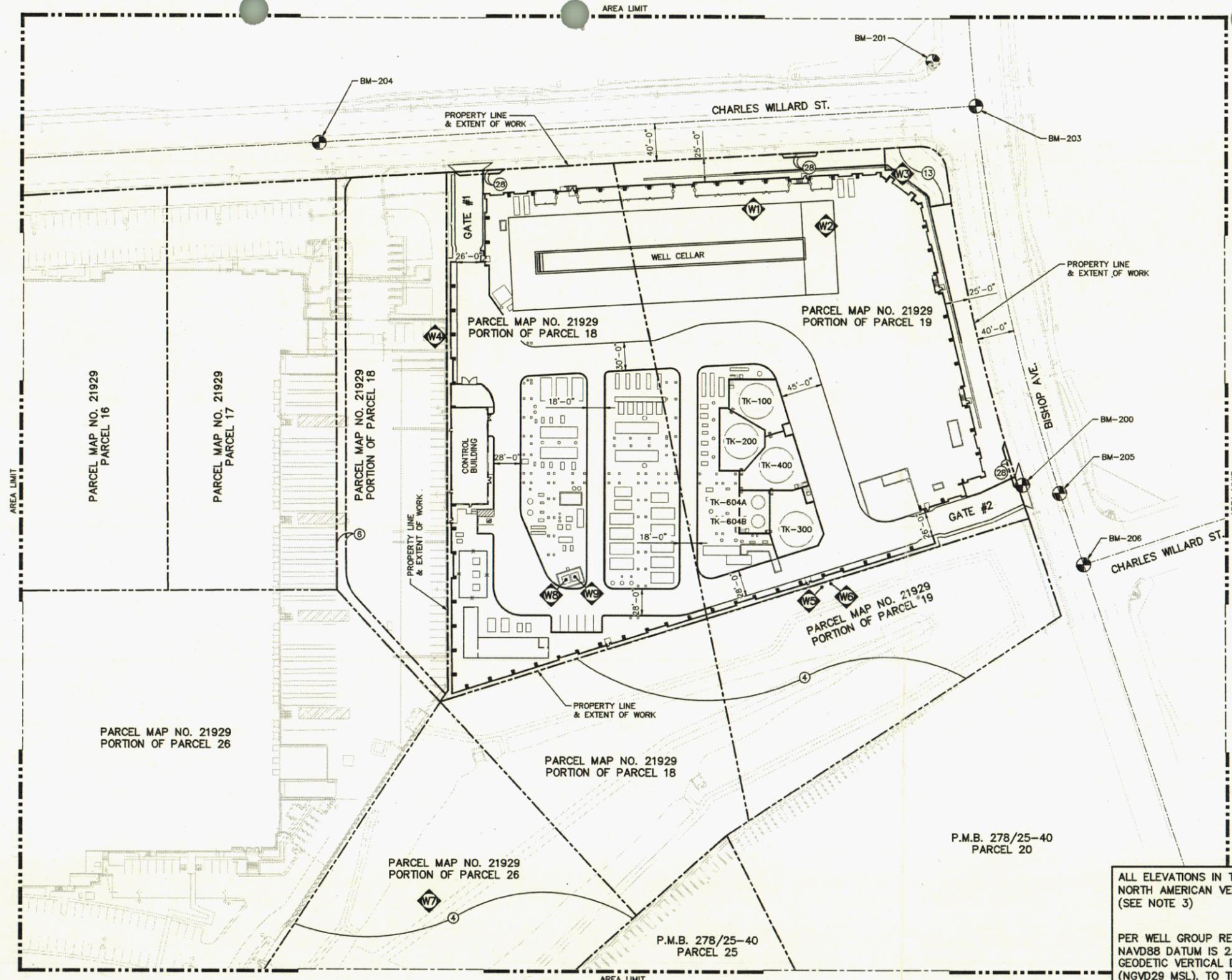
The above well, DOM-001, is planned to be drilled to the Catalina Schist zone (below Division F marker) at a depth of approximately 12,716 feet. We consider the DOM-001 to be exploratory for a new pool and request the records be treated as confidential information as allowed by Section 3234 of the Public Resources Code and Section 1997.1 of the California Code of Regulations. Additionally, OXY USA Inc. is planning on leasing additional acreage in the area of the Dominguez field.

If you need any further information or if you have any questions regarding this matter, please contact me at (562) 495-9348.

Sincerely,

Chris Phillips
Senior Geological Advisor / Agent
OXY USA Inc.

Bcc: J. Eastlack
M. Kapelke
P. Krueger
M. Hebert
M. Oyola
J. Chaconas



SURVEY CONTROL SCHEDULE				
ITEM	NORTHING	EASTING	ELEVATION	DESCRIPTION
BM-200	1772913.96'	6488058.14'	173.67'	SCRIBE X IN CONC
BM-201	1773368.87'	6487961.13'	184.55'	SCRIBE X IN SDWALK
BM-203	1773320.62'	6488007.47'	184.60'	SPIKE AND WASHER
BM-204	1773279.75'	6487301.66'	166.49'	MAG NAIL AND TIN
BM-205	1772905.38'	6488097.90'	173.55'	SPIKE AND WASHER
BM-206	1772829.00'	6488123.31'	172.73'	SPIKE AND WASHER

EXISTING WELL SCHEDULE*				
WELL #	API #	LATITUDE	LONGITUDE	COMMENTS
W1	API 03706413	33.864635	-118.243415	-
W2	API 03720740	33.864587	-118.243155	-
W3	API 03706867	33.864742	-118.242886	-
W4	API 03706544	33.864255	-118.244537	-
W5	API 03727124	-	-	SEE WELL W6 & NOTE 4
W6	API 03727148	-	-	SEE WELL W5 & NOTE 4
W7	API 03706851	33.862596	-118.244549	-
W8	-	33.863542	-118.244068	SEE NOTE 4
W9	-	33.863550	-118.244037	SEE NOTE 4

* API NUMBER, LATITUDE, & LONGITUDE FOR EXISTING WELLS OBTAINED FROM STATE DEPARTMENT OF CONSERVATION DIVISION OF OIL & GAS DOGGR MAPPING SYSTEM.

NOTE TO PLAN CHECKER:
 THIS DRAWING IS BEING SUBMITTED TO OBTAIN FIRE DEPARTMENT CLEARANCE FOR ACCESS AND SITE PLAN ONLY IN ORDER TO OBTAIN A GRADING PERMIT. ALL STRUCTURES, EQUIPMENT AND FIRE PREVENTION MEASURES WILL BE PERMITTED SEPARATELY AT A LATER DATE.

- LEGEND:**
- = SURVEY CONTROL BENCHMARK (BM)
 - = PROPERTY LINE
 - = VARIABLE WIDTH EASEMENT OF THE CITY OF CARSON FOR FLOOD CONTROL, COVERED STORM DRAIN AND APPURTENANT STRUCTURES AND INGRESS AND EGRESS PURPOSES PER P.M. 21929-01 P.M.B. 278/29-34.
 - = VARIABLE WIDTH EASEMENT TO THE CITY OF CARSON FOR COVERED STORM DRAIN AND APPURTENANT STRUCTURES AND INGRESS AND EGRESS PURPOSES.
 - = CORNER LANDSCAPE EASEMENT
 - = ENTRY MONUMENT EASEMENT
 - = EXISTING WELL LOCATION (SEE "EXISTING WELL SCHEDULE" ON THIS DRAWING)

- NOTES:**
1. FOR "CIVIL GENERAL NOTES" SEE DRAWINGS CVL-0002-04 THRU CVL-0002-06.
 2. HORIZONTAL CONTROL : CALIFORNIA STATE PLANES NAD 1983 ZONE V EPOCH 2009.00
 3. VERTICAL CONTROL : NORTH AMERICAN VERTICAL DATUM 1988 (CRTN DEFINITION)
 4. THE LOCATION FOR API 03727124 AND 03727148 AS SHOWN ON DIVISION OF OIL & GAS MAPS HAS BEEN FOUND TO BE IN ERROR. WELLS W5 AND W6 ARE THE CORRECT LOCATIONS ON THIS DRAWING. THESE WELLS ARE ACTIVE AND WILL BE PROTECTED DURING CONSTRUCTION.

ALL ELEVATIONS IN THESE DRAWINGS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88). (SEE NOTE 3)

PER WELL GROUP REQUEST:
 NAVD88 DATUM IS 2.50' HIGHER THAN THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 MEAN SEA LEVEL (NGVD29 MSL). TO TRANSLATE FROM NAVD88 TO NGVD29 MSL, 2.50' SHOULD BE SUBTRACTED FROM THE NAVD88 VALUE. (173.00' (NAVD88 VALUE) MINUS 2.50' = 170.50' (NGVD29 MSL VALUE).)

RE-ISSUED FOR PERMIT
 March 19, 2014

1"=60' 60' 0' 60' 120'

DOGGR Received-
 MAR 20 2014

SITE PLAN & SURVEY CONTROL
 SCALE: 1"=60'

REV	DATE	APP. BY	DESCRIPTION	PROJECT NUMBER	PROJ. NO.	SPEC. ENG.	QTY APPROVAL	FIELD CODE AND NAME	SCALE	CAD DRAWING
D	3/19/2014		REVISED NOTE FOR DOGGR	5232				04 - DOMINGUEZ	AS NOTED	CAD DRAWING
C	10/3/2013		ADDED WELL INFORMATION	5232				Facility Location Name: DOMINGUEZ Facility Type: - ONEOXY PROJECT CODE: 1109227		
B	1/29/2013		ADDED PARCEL INFORMATION	5232						
A	1/4/2013		ISSUED FOR PERMIT	5232						

SPEC SERVICES
 SPEC Services, Inc.
 17101 Bushard Street
 Fountain Valley, CA 92708
 (714) 983-8077
 S:\2231\04-04-30-CV-002-11.dwg(03 SITE PLAN & SURVEY CONTROL)

DRWG	ASSET	FIELD CODE	FACILITY LOCATION	ENG DISC	SERIAL NUMBER	SHEET NUMBER	REV
NO	OLA04	300	CVL	0002	03	D	

NOTICE: THIS DOCUMENT IS THE PROPERTY OF OXY USA INC. AND MAY BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. WITHOUT THE WRITTEN CONSENT OF THE OWNER.