NATURAL RESOURCES AGENCY OF CALIFORNIA
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

No. T **114-1196**

REPORT ON OPERATIONS

WATER FLOOD PROJECT

Mr. Mike McAdams
E & B Natural Resources Management Corporation (E0100)
1600 Norris Rd.
Bakersfield, CA 93308

Cypress, California
November 14, 2014

Your operations at well **"Wnf-I" 36**, A.P.I. No. **037-22769**, Sec. **20**, T. **04S**, R. **13W**, **SB** B.&M., **Wilmington** field, in **Los Angeles** County, were witnessed on **10/9/2014**, by **Randall Morlan**, a representative of the supervisor.

The operations were performed for the purpose of **performing a standard annular pressure test on the 7" casing**.

DECISION: **APPROVED**

DEFICIENCIES NOTED AND CORRECTED: None

MV/kj

Steven Bohlen
State Oil and Gas Supervisor

By
Daniel J. Dudak, *District Deputy*

OG109 (Rev. 10/2011)

Natural Resources Agency
Department of Conservation
Division of Oil, Gas, and Geothermal Resources

T 114-1196
dc mw
11/14/14

Report on Operations
Standard Annular Pressure Test

OPERATOR E B Natural Resources Management Corporation

Your operations at well "Wnf-I" 36 API No. 037-22769

Sec 20, T 04S, R 13W, SB, B. & M. Wilmington Field, Los Angeles County,

were witnessed on 10/9/2014. Randall Morlan, representative of

the supervisor, was present from 0800 to 0900.

There was also present Branden Cesenas and Felix Zavala

Casing record of present hole: 10 ¾" cem 605'; 7" cem 4127', perf 4113' WSO; 5" ld 4056' – 4237', perf 4127' – 4231'. TD 4237'.

performing a standard annular pressure test on the

The operations were performed for the purpose of ~~pressure testing the~~ 7" casing. The casing was pressure tested with 1641 psig for 15 minutes. There was 0 pressure drop.

Packer Depth: 3978'

Well Status: ☐ Injecting at _____ psi ☐ Idle ☒ Shut in

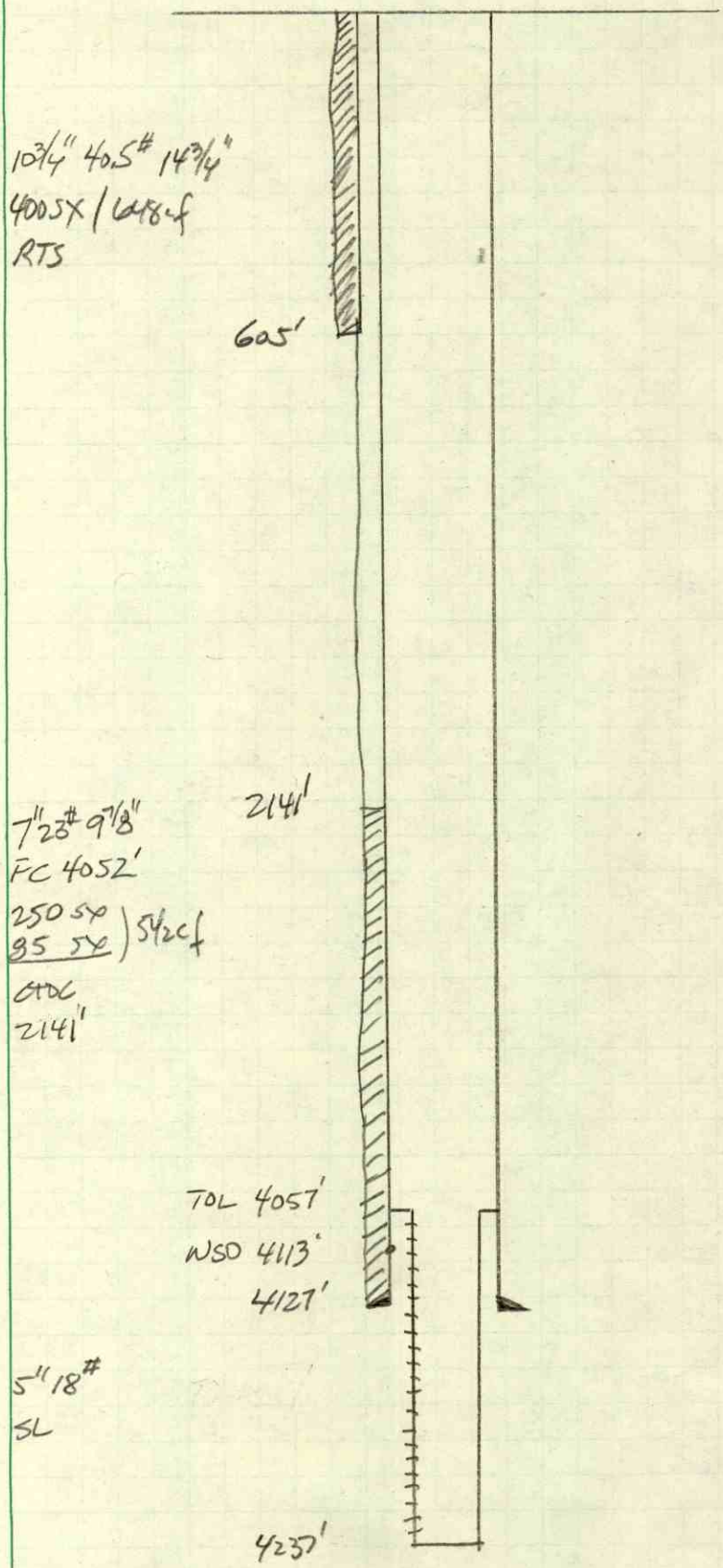
DECISION:

The pressure test is ☒ Approved ☐ Not Approved

037-22769 | WNFI 36 | MV 11/14/14

1982 OH OG

1983 CTI
pkr 3974' AB3
3971' 2013



TOPS 35500

NATURAL RESOURCES AGENCY

EDMUND G. BROWN, JR., GOVERNOR

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 07, 2013

Mr. Mike McAdams, Agent
E & B NATURAL RESOURCES MANAGEMENT GROUP
1600 Norris Road
Bakersfield, CA 93308

Subject: Overdue SAPT
Wilmington Field

Dear Mr. McAdams:

Pursuant to California Code of Regulations, Title 14, Section1724.10 (j)(1) each injection well must pass a pressure test of the casing-tubing annulus to determine the absence of leaks every five years.
As of May 7, 2013, the Division has not received documentation that the required annular pressure test (SAPT) has been performed for the following wells:

Well Name	API #	Last SAPT	MASP (psi)
WNF I-11	037-22603	No record on file	1594
WNF I-38	037-22752	No record on file	1645
WNF I-36	037-22769	No record on file	1642
WNF-I-8	037-22620	No record on file	897
WNF I-32	037-21729	No record on file	1528
WNF I-3	037-21768	No record on file	1572

Please notify this office to witness the required pressure test (SAPT). These tests must be done within 30 days from the date of this letter. If you have any questions please call Martin Wells at (714) 816-6847.

Sincerely,

Martin Wells
Associate Oil and Gas Engineer

Cc: Update
Well file

MW/ND

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

REPORT OF PROPERTY AND WELL TRANSFER

Field or county Wilmington		District - Cypress (D1)
Former owner Four Teams Oil Production & Exploration Company, Inc.	Opcode: F1535	Date August 12, 2010

Name and location of well(s)

SEE ATTACHMENT

Description of the land upon which the well(s) is (are) located

See Attachment

Date of transfer, sale, assignment, conveyance, or exchange	New Owner	Operator code	Type of Organization
8/1/2010	E & B Natural Resources Management Corp.	E0100	Corporation
	Address 1600 Norris Road Bakersfield, CA 93308		Telephone No. (661) 679-1700

Reported by OG30A received 8/11/2010 signed by both parties

Confirmed by. Same as above

New operator new status (status abbreviation) PA	Request Designation of Agent Jeffrey Blesener
Old operator new status (status abbreviation) PA	Remarks See Operator File

Deputy Supervisor	Signature
Kenneth Carlson	Fax Chris McCullough, Associate Engineer

OPERATOR STATUS ABBREVIATIONS

	FORM AND RECORD CHECK LIST					
PA - Producing Active						
NPA - No Potential Active	Form or record	Initials	Date	Form or record	Initials	Date
PI - Potential Inactive	Form OGD121			Map and Book		
NPI - No Potential Inactive	Well records			Lease Files		
Ab - Abandoned or No More Wells	New well cards			Well Stat		

OGD156 (Modified 1/00)

E & B Natural Resources Mgmt. Corp.

WELL TRANSFER NOTICE

On 12-21-98
XL OPERATING COMPANY
transferred
all wells in the Wilmington field
(See OGD156 dated December 21, 1998 for complete list)
to

FOUR TEAMS OIL PROD. & EXPL., INC.

WELL TRANSFER NOTICE

Effec February 7, 1997

XTRA ENERGY CORPORATION

TRANSFERRED

all wells Wilmington

(See Operator File for Complete List)

TO

XL OPERATING COMPANY

SEE OGD156 DATED 02-7-97

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

No. T 187-479

DIVISION OF OIL AND GAS

Report on Operations

WATERFLOOD PROJECT

Agnes T. List, Agent-XTRA ENERGY CORPORATION
C T Corporation System
800 South Figueroa Street, Suite 1000
Los Angeles, CA 90017

Long Beach, Calif.
August 6, 1987

Your operations at well "WNF-I" 36, API No. 037-22769, Sec. 20, T4S, R13W, S.B. B.& M. Wilmington Field, in Los Angeles County, were witnessed on 5-1-87. M. Saw, Engineer, representative of the supervisor, was present from 0930 to 1000. There were also present G. Johns, Operator

Present condition of well: 10-3/4" cem 605'; 7" cem 4127', perf 4113' WSO; 5" ld 4056'-4237', perf 4127'-4231'. TD 4237'.

The operations were performed for the purpose of demonstrating that all of the injection fluid is confined to the formations below 4113'.

DECISION: APPROVED.

NOTE: DEFICIENCIES CORRECTED
NONE

DEFICIENCIES TO BE CORRECTED
NONE

UNCORRECTABLE DEFICIENCIES
NONE

CONTRACTOR: Flo-Log, Inc.

MS:mh

cc: Update

M. G. MEFFERD
State Oil and Gas Supervisor
William L. Brannon
Deputy Supervisor
for V. F. Gaede

OG100 (9/83/GSR1/15M)

DIVISION OF OIL AND GAS

WATER SHUTOFF TEST

No. T 187-479

Operator Xtra Energy Corp.

Well designation "WNP-1" 36 Sec. 20, T. 4S, R. 13W, SB B.&M.

Field Wilmington, County LA was tested for ~~water~~ R/A SWPM ~~shutoff~~ on 5/1/87. (Name) M-Saw, representative of the supervisor, was present from 0930 to 1000. Also present were G. Johns Opr,

Casing record of well: 10 3/4" cem 605'; 7" cem 4127', perf 4113' WSO; 5" ld. 4056'-4237', perf 4127'-4231', TD 4237'.

The operations were performed for the purpose of (P) 4113'.

☐ The _____" shutoff at _____' is approved.

☐ The seal between the _____" and _____" casings is approved.

☒ The operations are approved as indicating that all of the injection fluid is confined to the formations below 4113' at this time.

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			

Depth or interval tested _____

The hole was open to _____' for test.

FORMATION TEST:

Packer(s) _____' & _____' Tail _____' Bean size _____" Cushion _____

IHP _____ IFP _____ FFP _____ FHP _____

Blow _____

Open for test _____ Hr. _____ min. Fluid entry _____

BAILING TEST:

The hole fluid was bailed to _____', at _____ on _____ 19__.

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

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

INJECTION SURVEY:

RA/Spinner/Temperature survey run at 255 B/D & 1625 psi on 5/1 1987, fluid confined below 4113' (Packer depth 3983')

Packer & perforations checked OK.

OGD8 (10/82/DWRR/5M)

DEFICIENCIES NOTED AND CORRECTED:

Mne

DEFICIENCIES NOTED AND TO BE CORRECTED:

Mne

UNCORRECTABLE DEFICIENCIES:

Mne

CONTRACTOR:

Flo-log. Inc.

DIVISION OF OIL AND GAS

CHECK LIST - RECORDS RECEIVED AND WELL STATUS

Company Xtra Energy Corp. Well No. "WNF-I" 36

API No. 037-22769 Sec. 20, T. 4S, R. 13W, S.B. B.&M.

County Los Angeles Field Wilmington

RECORDS RECEIVED	DATE
Well Summary (Form OG100)	
History (Form OG103)	5-14-84 (2)
Core Record (Form OG101)	
Directional Survey	
Sidewall Samples	
Other	
Date final records received	
Electric logs:	

STATUS		STATUS	
Producing - Oil	___	Water Disposal	___
Idle - Oil	___	Water Flood	X
Abandoned - Oil	___	Steam Flood	___
Drilling - Idle	___	Fire Flood	___
Abandoned - Dry Hole	___	Air Injection	___
Producing - Gas	___	Gas Injection	___
Idle - Gas	___	CO_2 Injection	X
Abandoned - Gas	___	LPG Injection	___
Gas-Open to Oil Zone	___	Observation	___
Water Flood Source	___		

DATE

RECOMPLETED 11-3-83

REMARKS

ENGINEER'S CHECK LIST

1. Summary, History, & Core record (dupl.) ✓
2. Electric Log
3. Operator's Name ✓
4. Signature ✓
5. Well Designation ✓
6. Location
7. Elevation
8. Notices ✓
9. "T" Reports ✓
10. Casing Record ✓
11. Plugs
12. Surface Inspection
13. Production
14. E Well on Prod. Dir. Sur. ✓

CLERICAL CHECK LIST

1. Location change ___ (F-OGD165)
2. Elevation change ___ (F-OGD165)
3. Form OGD121
4. Form OG159 (Final Letter)
5. Form OGD150b (Release of Bond)
6. Duplicate logs to archives
7. Notice of Records due (F-OGD170)

UPDATE CENTER 10/22/84

RECORDS NOT APPROVED

Reason: ~~Need RA~~

RECORDS APPROVED William F. Brannon

RELEASE BOND

Date Eligible

(Use date last needed records were received.)

MAP AND MAP BOOK 1 WAG Pr 10/11/84 128

LONG BEACH OFFICE - USE REVERSE SIDE

OGD2 (12/80/DWRR/5M)

CHECK LIST - RECORDS RECEIVED AND WELL STATUS

Well No._____

API No._____ Sec._____, T._____, R._____, _____B.&M.

WORK PERFORMED	STATUS	DATE
Drill_____ Redrill_____ Deepen_____	Producing_____	
Plug_____ Alter Casing_____	Recompleted Producing_____	
Water Flood_____ Water Disposal_____	Water Flood_____	
Abandon_____	Water Disposal_____	
Other_____	Abandoned_____	
	Other_____	
	MAP AND BOOK_____ Engineer_____	

RECORDS FILED AND DATE Clerk_____

Summary_____

Log and Core_____

History_____

E-log_____

_____

Directional Survey_____

Other_____

(Check records for signature and correct name of operator or well, section, township, range, and field.)

Location_____ Notice states_____

_____

_____

_____

_____

Elevation_____ Notice states_____

_____

_____

_____

Production Reports_____

_____

(If production reports not received, make notation and inform Senior Stenographer when received.)

RECORDS & REQUIREMENTS CHECKED Engineer_____

_____

_____

_____

_____

_____

_____

_____

Surface Inspection_____

Data Needed_____

Request Records_____ OGD170_____

Correct records_____ OGD165_____
(Specify)

CARDS_____

BOND_____

Hold_____ Reason_____

Release_____ Date Eligible_____ OGD150_____

End premium year _____

Release requested _____

Bond superseded _____ (Check One)

Well abandoned _____

Environmental Inspection_____ Engineer_____

FINAL LETTER_____ OG159_____
and
File cleared _____ OGD121_____

OGD2 (LONG BEACH)

F

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

History of Oil or Gas Well

Operator Xtra Energy Corporation Field Wilmington County Los Angeles
Well "WNF-1" #36, Sec. 20, T 4S, R 13W, S.B.B. & M.
A.P.I. No. 037-22769 Name John D. Carmichael (Person submitting report) Title Sr. Vice President (President, Secretary or Agent)
Date May 10, 19 84

Signature John D. Carmichael

2501 Cherry Avenue Suite 270 Signal Hill CA 90806 (Address) (213) 424-8549 (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 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.

Date	
10-24-83	Convert to Injection. MIRU. Killed tbg with water. Laid down rods and pump. Tagged bottom at 4237' with sand line. Install BOP. Laid down tbg and gas anchor. Ran bell collar, xn-nipple, 1 jt 2-7/8" tbg, 7" Otis PRC pkr, pup, 24 jts 2-7/8" tbg tested at 5000 psi.
10-25-84	Ran 96 more jts 2-7/8" tbg, x-nipple, 2 jts 2-7/8" tbg tested at 5000 psi, Rmvd BOP. Set pkr with top at 3974', center at 3977'. Unlatched from pkr and displaced annulus with chem treated water. Relatched into pkr, installed well head and tested annulus ok at 500 psi. All tbg coated inside. Tbg hung at 4015'. RDMO.
11-3-83	On Water Injection. 752 B/D @ 1900 psi.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

No. T 184-1135

DIVISION OF OIL AND GAS

Report on Operations

WATERFLOOD PROJECT

John D. Carmichael, Agent
XTRA ENERGY CORPORATION
2501 Cherry Avenue, Suite 270
Signal Hill, CA 90806

Long Beach, Calif.
October 4, 1984

Your operations at well "WNF-I" 36, API No. 037-22769, Sec. 20, T.4S, R.13W, S.B.B.& M. Wilmington Field, in Los Angeles County, were witnessed on 8-21-84. R. Navia, representative of the supervisor, was present from 0900 to 0930. There were also present J. Carmichael, Vice President, Xtra Energy.

Present condition of well: 10 3/4" cem 605'; 7" cem 4127', perf 4113' WSO; 5" ld 4056'-4237', perf 4127'-4231'. TD 4237'.

The operations were performed for the purpose of demonstrating that all of the injection fluid is confined to the formations below 4113'.

DECISION: APPROVED

NOTE: DEFICIENCIES TO BE CORRECTED
NONE

DEFICIENCIES CORRECTED
NONE

CONTRACTOR: Production Data, Inc.

RN:ep

cc: Update

M. G. MEFFERD
State Oil & Gas Supervisor

Deputy Supervisor
for V. F. Gaede

OG109 (9/83/GSR1/15M)

WEB
9-7-84

DIVISION OF OIL AND GAS
RCA WATER SHUTOFF TEST

No. T 184-1135

Operator Xtra Energy Corporation

Well designation "WNF-1" 36 Sec. 20, T. 4S, R. 13W, SB B.&M.

Field Wilmington, County LA was ~~tested~~ reviewed for water shutoff on 8/31/84 (Name) R. Navin, representative of the supervisor, was present from 0900 to 0930. Also present were J. Carmichael, Vice President, Xtra Energy

Casing record of well:

10 3/4" cem 605'; 7" cem 4127', perf 4113' WSO; 5" lr 4056'-4237', perf 4127'-4231'. TD 4237'.

The operations were performed for the purpose of (P) ~~4127'~~ 4113

- [ ] The _____" shutoff at _____' is approved.
- [ ] The seal between the _____" and _____" casings is approved.
- [x] The operations are approved as indicating that all of the injection fluid is confined to the formations below ~~4127~~ 4113 ' at this time.

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			

Depth or interval tested _____

The hole was open to _____' for test.

FORMATION TEST:

Packer(s) _____' & _____' Tail _____' Bean size _____" Cushion _____

IHP _____ IFP _____ FFP _____ FHP _____

Blow _____

Open for test _____ Hr. _____ min. Fluid entry _____

BAILING TEST:

The hole fluid was bailed to _____', at _____ on _____ 19__.

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

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

INJECTION SURVEY:

RA/Spinner/Temperature survey run at 720 B/D & 1660 psi on 11/18/83 19__, fluid confined below ~~4127~~ 4113 ' (Packer depth 3974 ')

Packer check ok

Top perf check ok, csg valve open.

NOTE: RA reviewed was ran in 11/83.

OGD8 (10/82/DWRR/5M)

DEFICIENCIES—TO BE CORRECTED

None

DEFICIENCIES—CORRECTED

None

CONTRACTOR

Production Data, Inc.

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

No. P 183-803

848
(field code)
03
(area code)
20
(new pool code)
00
(old pool code)

REPORT ON PROPOSED OPERATIONS

WATERFLOOD PROJECT

John D. Carmichael, Agent
XTRA ENERGY CORPORATION
2501 Cherry Avenue, Suite 270
Signal Hill, CA 90806

Long Beach, California
November 2, 1983

Your proposal to convert to injection well "WNF-I" 36, A.P.I. No. 037-22769, Section 20, T. 4S, R. 13W, S.B. B. & M., Wilmington field, F.B. I, Onshore area, Ranger pool, Los Angeles County, dated 10/13/83, received 10/17/83 has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED:

1. This well shall conform to the provisions set forth in our letter of 6/24/83 approving the project.
2. THIS DIVISION SHALL BE NOTIFIED TO Witness the running of an injection survey.

NOTE:

1. The base of the fresh water sands is above 2130'±. The fresh water is protected by the 7" casing cemented at 4127' with sufficient cement to fill to 2140'±.
2. The water to be injected is fresh water and tests approx. 509 ppm TDS and is obtained from Dominguez Water District.
3. The water is to be injected into the Ranger zone which extends from 4127' to 4237' and contains a mixture of oil and water. The formation water tests approx. 27,000 ppm TDS.
4. Approx. surface location of well: The Xtra Energy drill site near the corner of Main and Sepulveda in the City of Carson.

WEB:csm

cc: Update
EDP

BLANKET BOND

M. G. MEFFERD, State Oil and Gas Supervisor

By V. E. GAEDE, Deputy Supervisor

A copy of this report 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.

OG111 (11/82/DWRR/5M)

S
CONVERT

OG 107 (8/79)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

Notice of Intention to Rework Well

This notice and indemnity or cash bond shall be filed, and approval given, before rework begins. If operations have not commenced within one year of receipt of the notice, this notice will be considered cancelled.

FOR DIVISION USE ONLY		
BOND	FORMS	
	OGD 114	OGD 121
Blanket	10-24-83	10-24-83

DIVISION OF OIL AND GAS

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention

to rework well "WNF-I" #36 (Well designation), **API No.** 037-22769

Sec. 20, **T.** 4S, **R.** 13W, S.B. & M., Wilmington **Field,** Los Angeles **County.**

The present condition of the well is as follows:

1. **Total depth** 4290'

2. **Complete casing record, including plugs and perforations**

10 3/4",	K-55,	40.5#,	605'
7",	K-55,	23#,	4127'
5",	K-55,	18#,	Top @ 4056', Shoe @ 4237', See Liner Detail Attached.

3. **Present producing zone name** Ranger; **Zone in which well is to be recompleted** Ranger

4. **Present zone pressure** 1350; **New zone pressure** 1350

5. **Last produced** 10-15-83 (Date) 12 (Oil, B/D) 3 (Water, B/D) 0 (Gas, Mcf/D)

   (or)

   Last injected _____ (Date) _____ (Water, B/D) _____ (Gas, Mcf/D) _____ (Surface pressure, psig)

The proposed work is as follows: Convert well from a producer to an injector.

It is understood that if changes in this plan become necessary, we are to notify you immediately.

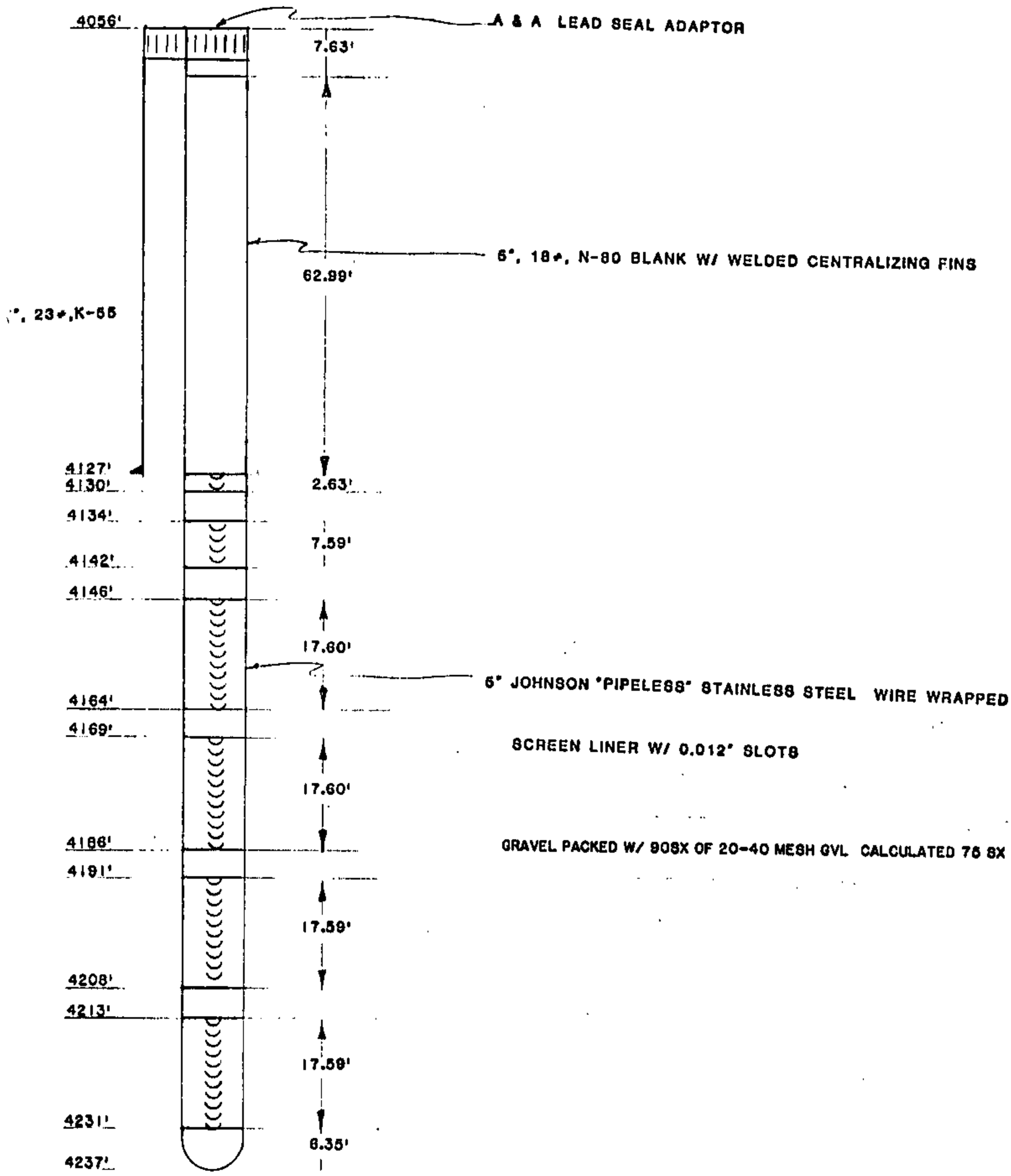
Address 2501 Cherry Avenue Suite 270 (Street)
Signal Hill CA 90806 (City) (State) (Zip)
Telephone Number (213) 424-8549

Xtra Energy Corporation (Name of Operator)
By John D. Carmichael (Print Name)
John D. Carmichael (Signature) 10-13-83 (Date)

XTRA ENERGY CORP.

LINER DETAIL

WELL NO. 36



JDC/11-82 WELL NO. 36

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT ON PROPOSED CHANGE OF WELL DESIGNATION

Long Beach, California

October 17, 1983

John D. Carmichael, Agent
XTRA ENERGY CORPORATION
2501 Cherry Avenue, Suite 270
Signal Hill, CA 90806

Your request, dated September 15, 1983, proposing to change the designation of well(s) in Sec. see below, T. 4S, R. 13W, S.B. B. & M., Wilmington field, Los Angeles County, District No. 1, has been received.

The proposed change in designation, in accordance with Section 3203, Public Resources Code, is authorized as follows:

Sec. 19-4S-13W

OLD	NEW DESIGN.		API 037-
8	"WNF-I"	8	22620
10	"WNF-I"	10	22611
18	"WNF-I"	18	22853
19	"WNF-I"	19	22846
20	"WNF-I"	20	22652
23	"WNF-I"	23	22672
26	"WNF-I"	26	22666-01
27	"WNF-I"	27	22673
28	"WNF-I"	28	22674
29	"WNF-I"	29	22648
43	"WNF-I"	43	22682

Sec. 20-4S-13W

42	"WNF-I"	42	22689
44	"WNF-I"	44	22820

OLD		NEW		API 037-
"American Can"	1	"WNF-I"	12	21433
"	2	"WNF-I"	15	21644
"	3	"WNF-I"	3	21768
"Dasco Unit"	1	"WNF-I"	1	21671
I-14		"WNF-I"	11	22603
"Purex Unit"	1	"WNF-I"	9	21669
"	2	"WNF-I"	5	21753
"	3	"WNF-I"	4	21754
"Sanitation Unit"	1	"WNF-I"	21	21445

Sec. 20-4S-13W

31	"WNF-I"	31	22767	36	"WNF-I"	36	22769
33	"WNF-I"	33	22768	37	"WNF-I"	37	22796
34	"WNF-I"	34	22787	38	"WNF-I"	38	22752
35	"WNF-I"	35	22795	39	"WNF-I"	39	22754

M. G. MEFFERD, State Oil and Gas Supervisor

By [signature]
FOR V. F. GAEDE, *Deputy Supervisor*

EDP
Update
Conservation Committee
Long Beach Dept. of Oil Properties

OGD 157 (3-79-DWRR-1M)

Sec. 20-4S-13W

OLD	NEW	API 037-
"Shell Unit" 1	"WNF-I" 32	21729
"Shell Unit" 2	"WNF-I" 40	21769

Sec. 29-4S-13W

"Lomita Unit" 1	"WNF-I" 67	22487
49	"WNF-I"49	22886
50	"WNF-I" 50	22884
51	"WNF-I" 51	22885
53	"WNF-I" 53	22874
54	"WNF-I" 54	22871
56	"WNF-I" 56	22865
57	"WNF-I" 57	22815

DIVISION OF OIL AND GAS
CHECK LIST - RECORDS RECEIVED AND WELL STATUS

Company Xtra Energy Well No. 36
API No. 037-22769 Sec. 20, T. 4S, R. 13W, S.B. B.&M.
County L.A. Field Wilmington

RECORDS RECEIVED	DATE	
Well Summary (Form OG100)	5/20/83	(2)
History (Form OG103)	5/20/83	(2)
Core Record (Form OG101)		
Directional Survey	5/20/83	(2)
Sidewall Samples		
Other		
Date final records received		
Electric logs		
Dual Ind.	5/20/83	(2)
Dual Ind.	5/20/83	(2)

STATUS		STATUS	
Producing - Oil	✓	Water Disposal	
Idle - Oil		Water Flood	
Abandoned - Oil		Steam Flood	
Drilling - Idle		Fire Flood	
Abandoned - Dry Hole		Air Injection	
Producing - Gas		Gas Injection	
Idle - Gas		CO_2 Injection	
Abandoned - Gas		LPG Injection	
Gas-Open to Oil Zone		Observation	
Water Flood Source			

DATE 11-16-82
RECOMPLETED
REMARKS

ENGINEER'S CHECK LIST

1. Summary, History, & Core record (dupl.) ✓ ✓
2. Electric Log ✓
3. Operator's Name
4. Signature
5. Well Designation
6. Location
7. Elevation
8. Notices ✓
9. "T" Reports ✓
10. Casing Record
11. Plugs
12. Surface Inspection
13. Production
14. E Well on Prod. Dir. Sur. ✓

CLERICAL CHECK LIST

1. Location change ____ (F-OGD165)
2. Elevation change ____ (F-OGD165)
3. Form OGD121
4. Form OG159 (Final Letter)
5. Form OGD150b (Release of Bond)
6. Duplicate logs to archives
7. Notice of Records due (F-OGD170)

UPDATE CENTER 6/8/83

RECORDS NOT APPROVED
Reason:

RECORDS APPROVED TB

RELEASE BOND
Date Eligible
(Use date last needed records were received.)
MAP AND MAP BOOK 2 128 V 6190

LONG BEACH OFFICE - USE REVERSE SIDE

OGD2 (12/80/DWRR/5M)

CHECK LIST - RECORDS RECEIVED AND WELL STATUS

Well No._____

API No._____ Sec._____, T._____, R._____, _____B.&M.

WORK PERFORMED	STATUS	DATE
Drill_____ Redrill_____ Deepen_____	Producing_____	
Plug_____ Alter Casing_____	Recompleted Producing_____	
Water Flood_____ Water Disposal_____	Water Flood_____	
Abandon_____	Water Disposal_____	
Other_____	Abandoned_____	
	Other_____	
	MAP AND BOOK_____ Engineer_____	

RECORDS FILED AND DATE Clerk_____

Summary_____

Log and Core_____

History_____

E-log_____

_____

_____

Directional Survey_____

Other_____

(Check records for signature and correct name of operator or well, section, township, range, and field.)

Location_____ Notice states_____

_____

_____

_____

_____

Elevation_____ Notice states_____

_____

_____

_____

Production Reports_____

_____

(If production reports not received, make notation and inform Senior Stenographer when received.)

RECORDS & REQUIREMENTS CHECKED Engineer____

_____

_____

_____

_____

_____

_____

_____

_____

Surface Inspection_____

Data Needed_____

Request Records_____ OGD170____

Correct records_____ OGD165____
(Specify)

CARDS_____

BOND_____

Hold_____ Reason_____

Release____ Date Eligible_____ OGD150____

End premium year _____

Release requested _____

Bond superseded _____ (Check One)

Well abandoned _____

Environmental Inspection_____ Engineer____

FINAL LETTER_____ OG159____
and
File cleared _____ OGD121____

OGD2 (LONG BEACH)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

WELL SUMMARY REPORT

SUBMIT IN DUPLICATE

Operator ARGO PETROLEUM CORPORATION, Well No. W.A.A.P. #10, API No. 037-21769,

Sec. ~~19~~ 20, T. 4S, R. 13W, S.B. B. & M., Wilmington Field, Los Angeles County.

Location 984.44' easterly along property line & 218' northerly at right angles to said line from the SW corner of property which is NE corner of Main ST & AT&SF RR right of way. Elevation of ground above sea level 40 feet.
(Give stations location from property or section corners or street center line and/or lambert coordinates)

All depth measurements taken from top of KB which is 9 feet above ground.
(Derrick Floor, Rotary Table or Kelly Bushing)

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.

Date June 10, 1977 Signed [signature]

JJCook (Engineer or Geologist) Title Exec. Vice-President

	GEOLOGICAL MARKERS	DEPTH
Commenced drilling 1-21-77		
Completed drilling 2-6-77		
Total depth (1st hole) 4669' (2nd) (3rd)		
Present effective depth 4450' (cmt plug 4669'-4450')		
Junk		

Formation and age at total depth Miocene

Commenced producing 2/22/77 (Date) ~~Flowing, gas lift~~/pumping (Cross out unnecessary words)

Name of producing zone Ranger

	Clean Oil bbl. per day	Gravity Clean Oil	Per Cent Water including emulsion	Gas Mcf. per day	Tubing Pressure	Casing Pressure
Initial production	5	13.4	86.0	0	20	50
Production after 30 days	17	13.5	39.0	0	100	50

CASING RECORD (Present Hole)

Size of Casing (A. P. I.)	Depth of Shoe	Top of Casing	Weight of Casing	Grade and Type of Casing	New or Second Hand	Size of Hole Drilled	Numbers of Sacks or Cubic Feet of Cement	Depth of Cementing if through perforations
13 3/8	611'	Surf	48#	K-55 Buttress	N	17½"	690cf	
8 5/8"	4346'	"	32#	K-55 Buttress LTC	N	11"	815cf	
6 5/8"	4450'	4243'	24#	K-55 LTC/SFJ	N	15"	Hung & gravel pack	

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

WSO at 4315'
4253'-4336' 2"x40M, 6"C,4R, slots
4346'-4445' 2"x40M, 6"C,24R, slots

Was the well directionally drilled? Yes If yes, show coordinates at total depth 1345.18'S & 2227.72'E

Electrical log depths DIL 4662'-616' Other surveys Caliper, BHP. FDC

OG 100 ATTACH ONE COPY OF EACH LOG AND SURVEY 20796-705 1-74 3M ⓢ OBP

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

History of Oil or Gas Well

Operator XTRA ENERGY CORPORATION Field WILMINGTON County LOS ANGELES
Well 36, Sec. 20, T 4S, R 13W, S.B B. & M.
A.P.I. No. 037-22769 Name John D. Carmichael (Person submitting report) Title Senior Vice Presiden (President, Secretary or Agent)
Date November 4, 19 82

Signature John D. Carmichael

717 WALTON STREET SIGNAL HILL, CA 90806 (213) 424-8549
(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 as bole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date	
11-4	MI fr Well No. 38, RU, spud in @ 7 P.M. Drld 14-3/4" hole fr 60' to 300', trip to unplg bit, cont'd drlg 14-3/4" hole to 500' @ 6 A.M. CB mud wt 75#/CF, WL 12.0 cc, vis 61", solids 12.0%, sand 1.5%, cake 3/32", 1100 ppm Cl, oil 2.0%.
11-5	Cont'd drlg 14-3/4" hole fr 500' to 608', C & C mud, POH, H & H Tong Serv ran 16 jts 10-3/4", 40.5#, J-55 ST&C csg, shoe @ 605', B-J pmpd 300 sx "G" cmt mxd 1:1:4, followed by 100 sx "G" neat cmt, all cmt mxd w/ 2% $CaCl_2$, dsplsd DP w/ 30 CF FW, dmpd 10 CF cmt in csg, cmt returns to surf, CIP @ 2:56 P.M. 10-4-82, WOC 4 hrs, cut off 29.50' of 10-3/4" csg, weld on csg head, instld BOP @ 6 A.M. CB mud wt 75#/CF, WL 10.0 cc, vis 49", solids 11.0%, sand 0.75%, cake 3/32", 1100 ppm Cl, oil 4.0%.
11-6	RIH w/9-7/8" drlg assy to 548', tst BOP to 1000#, OK by DOG, C/O cmt & D/O shoe @ 605', drld to 650', trip for Dynadril, drl & survey 9-7/8" hole fr 650' to 1352', trip for bldg assy, drld fr 1352' to 1432' @ 6 A.M. SS @ 1307', 24°, N 81° 30' E, hole is 26.5' hi & 4.5' left. CB mud wt 75#/CF, WL 12.5 cc, vis 40", solids 11.0%, sand 0.75%, cake 3/32", 1100 ppm Cl, oil 4.0%.
11-7	Cont'd drlg & surveying 9-7/8" hole fr 1432' to 2106', trip for locked up drlg assy, now drlg @ 2451' @ 6 A.M. SS @ 2328', 41° 15', N 83° 30' E, ole is 21' hi & 18-1/2' rt. CB mud wt 75#/CF, WL 5.1 cc, vis 44", solids 12.0%, sand 0.5%, cake 1/32", 1300 ppm Cl, oil 8.0%.
11-8	Cont'd drlg & surveying 9-7/8" hole fr 2451' to 2939', started POH, pick up ball @ 2288', swabbing, wrkd out of hole in stages, chngd bit, RIH, cont'd drlg & surveying 9-7/8" hole fr 2939' to 2995' @ 6 A.M. SS @ 2939', 41°, N 81° E, hole is 13' lo & 27' rt. CB mud wt 79#/CF, WL 4.6 cc, vis 45", solids 16.0%, sand 3.0%, cake 1/32", 1150 ppm, oil 7.0%.
11-9	Cont'd drlg & surveying 9-7/8" hole fr 2995' to 3191', tighten bolts on BOP, fnd 10-3/4" loose, no cmt around csg, POH, B-J pmpd 40 sx of "G" neat cmt mxd w/3% $CaCl_2$ for top job, chng bit, RIH w/angle dropping assy, cont'd drlg fr 3191' to 3462' @ 6 A.M. CB mud wt 75#/CF, WL 4.4 cc, vis 42", solids 11.0%, sand 0.75%, cake 1/32", 1200 ppm Cl, oil 12.0%.

11-10 Cont'd drlg & surveying 9-7/8" hole fr 3462' to 3839,', RTCB, drld to 3979' @ 6 A.M. SS @ 3848', 27°, N 74° E, hole is 8.5' lo & 2.5' rt. CB mud wt 75#/CF, WL 5.0 cc, vis 40", solids 12.0%, sand 0.75%, cake 1/32", 1000 ppm Cl, oil 9.0%.

11-11 Cont'd drlg & surveying 9-7/8" hole fr 3979' to 4237', C & C mud, meas out of hole, Sch RU to run IES log, tool B/O, rep tool, re-run log, hit bridge @ 4045', unable to go deeper, POH w/sonde, RIH w/bit, ream fr 4000' to 4237', C & C mud, POH, Sch now rng IES log fr 4237'. SS @ 4198', 23° 30', N 73° 30' E, hole is 4' lo & 15' left. CB mud wt 76#/CF, WL 4.2 cc, vis 44", solids 12.0%, sand 0.25%, cake 2/32", 1100 ppm Cl, oil 9.0%.

11-12 Sch fin rng IES log, RIH w/9-7/8" drlg assy, C & C mud, POH, LD DP, H & H Tong Serv ran 118 jts 7", 23#, K-55 Buttress thread csg, shoe @ 4127', FC @ 4052', B-J pmpd 250 sx class "G" cmt mxd 1:1:4, 85 sx "G" cmt neat, all cmt mxd w/2% $CaCl_2$, bmpd plg w/1000#, CIP @ 11:35 P.M., landed 7" csg w/50,000# over wt of string, cut off 31.02', now welding on csg head @ 6 A.M. CB mud wt 76#/CF, WL 4.3 cc, vis 48", solids 12.0%, sand 0.25%, cake 2/32", 1100 ppm Cl, oil 8.0%.

11-13 N/U BOP, test w/1000# OK, RIH, P/U 3-1/2" DP w/6-1/4" bit & csg scrpr, D/O FC @ 4052', C/O cmt to 4117', circ cln, POH, RIH w/Lynes WSO tstr, perf'd 4 1/2" holes @ 4113', set pkr @ 4042', opn tool for 1 hr, test dry, OK'd by DOG, POH, RIH w/6-1/4" bit & csg scrpr, D/O shoe @ 6 A.M. CB mud wt 75#/CF, WL 5.2 cc, vis 47", solids 12.0%, sand 0.25%, cake 2/32", 1500 ppm Cl, oil 7.0%.

11-14 Fin D/O shoe, C/O to 4237', dspls CB mud w/Polymer, POH, RIH w/King underreamer, opn 9-7/8" hole to 12" fr 4127' to 4237', C & C mud, POH, Sch ran Caliper log, started RIH w/5" lnr, brk 1 centralizer while wrkg lnr thru head, LD lnr, now RIH w/bit to chase centralizer bow springs to btm. Polymer mud wt 72#/CF, WL 12.8 cc, vis 49", solids 2.5%, sand - trace, cake - film, 123,000 ppm Cl, oil 2.0%.

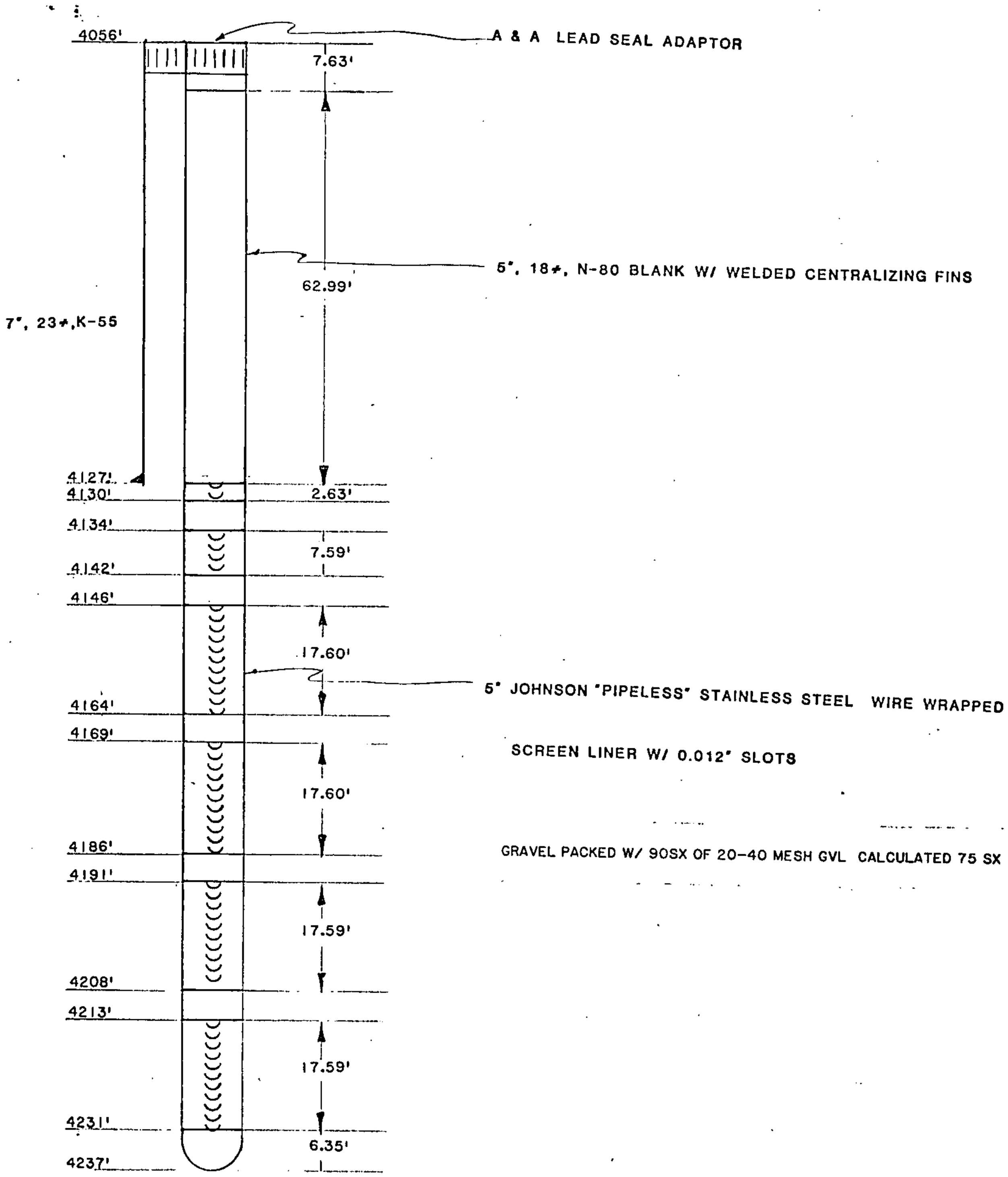
11-15 Fin RIH w/bit to 4237', circ cln, POH, RIH w/111' of 5" Johnson pipeless wire wrapped lnr plus 69' of 18# blnk lnr, shoe @ 4237', adaptor @ 4057', A & A gvl pkd lnr w/90 CF of 20-40 mesh snd, Calc 75 CF, rvsd cln, POH, now GIH w/lead seal @ 6 A.M. Polymer mud wt 73#/CF, WL 13.2 cc, vis 39", solids 1.0%, sand - trace, cake - film, 120,000 ppm Cl, oil 2.0%.

11-16 Fin GIH w/lead seal, set seal @ 4056', chngd over fr Polymer to lease wtr, LD DP, N/U well head, RR @ 8 P.M. to move to Well No. 34.

XTRA ENERGY CORP.

LINER DETAIL

WELL NO. 36



JDC/11-82 WELL NO. 36

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

No. T 182-963

DIVISION OF OIL AND GAS

Report on Operations

SEC. 3606

John D. Carmichael, Agent
XTRA ENERGY CORPORATION
717 Walton St.
Signal Hill, CA 90806

Long Beach Calif.
November 19, 1982

Your operations at well 36, API No. 037-22769, Sec. 20, T. 4S, R. 13W S.B. B.& M. Wilmington Field, in Los Angeles County, were witnessed on 11-13-82. G. Muggelberg, Engineer, representative of the supervisor, was present from 0200 to 0320. There were also present E. Lou, Drilling Foreman.

Present condition of well: 10¾" cem 605'; 7" cem 4140', perf 4113' WSO. TD 4237' (drilling)

The operations were performed for the purpose of testing the 7" shut-off at 4113' with a formation tester.

DECISION: APPROVED:

NOTE: DEFICIENCIES-TO BE CORRECTED
None

DEFICIENCIES-CORRECTED
None

CONTRACTOR: Cal Pacific Drilling Co.

GM:mm

cc; Update

M. G. MEFFERD
State Oil and Gas Supervisor

By [signature]
Deputy Supervisor

J. L. HARDOIN

OG109(12-80-15M)

Form OGD8 (8/80)

DIVISION OF OIL AND GAS

WATER SHUTOFF TEST

Rm 11-18-82

No. T 182-963

Operator Xtra Energy Corporation

Well designation 36 Sec. 20, T. 4S, R. 13W, SB B.&M.

Field Wilmington, County Los Angeles was tested for water shutoff on 11/13/82. (Name) G. Muggelberg, representative of the supervisor, was present from 0200 to 0320. Also present were E. Lou

Casing record of well:

10 3/4" cem 605'; 7" cem 4140', perf 4113' WSO, TD 4237' (Drilling)

The operations were performed for the purpose of D-1 7" - 4113'

[X] The 7" shutoff at 4113' is approved.

[ ] The seal between the ____" and ____" casings is approved.

[ ] The operations are approved as indicating that all of the injection fluid is confined to the formations below ____' at this time.

Hole size: 9 7/8" fr. 608' to 4237'; ____" 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			
7	23#	Ø	4140'	11/12/82	Bump Plugs	706cf	1517 ±	4050	694	1000	–

Depth or interval tested Perf @ 4113'

The hole was open to 4117' for test.

FORMATION TEST:

Packer(s) 4043' & —' Tail 4071' Bean size 3/4" Cushion Ø

IHP 1923 IFP 38 FFP 56 FHP 1911

Blow Light blow 5 min V. light 20 min Dead remainder

Open for test 1 Hr. Ø min. Fluid entry 110' drilling mud

BAILING TEST:

The hole fluid was bailed to ____', at ____ on ____ 19__.

The hole fluid was found at ____', at ____ (time) on ____ 19__.

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

INJECTION SURVEY:

RA/Spinner/Temperature survey run at ____ B/D & ____ psi on ____ 19__, fluid confined below ____' (Packer depth ____')

DEFICIENCIES—TO BE CORRECTED

None

DEFICIENCIES—CORRECTED

None

CONTRACTOR

Cal Pacific Drilling Co.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

No. T 182-962

DIVISION OF OIL AND GAS

Report on Operations

SEC. 3606

John D. Carmichael, Agent
XTRA ENERGY CORPORATION
717 Walton St.
Signal Hill, CA 90806

Long Beach Calif.
November 19, 1982

Your operations at well 36, API No. 037-22769, Sec. 20, T.4S, R.13W, S.B. B.& M. Wilmington Field, in Los Angeles County, were witnessed on 11-5-82. G. Muggelberg, Engineer, representative of the supervisor, was present from 0700 to 0800. There were also present E. Lou, Drilling Foreman.

Present condition of well: 10¾" cem 605'. TD 608'(drilling).

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

DECISION: APPROVED:

NOTE: DEFICIENCIES-TO BE CORRECTED
None

DEFICIENCIES-CORRECTED
None

CONTRACTOR: Cal Pacific Drilling Co.

GM:mm

cc; Update

M. G. MEFFERD
State Oil and Gas Supervisor

By
Deputy Supervisor
for J. L. HARDOIN

OG109(12-80-15M)

DIVISION OF OIL AND GAS
BLOWOUT PREVENTION EQUIPMENT MEMO

Rm 11-18-82

T 182-962

Operator Xtra Energy Corporation Well 36 Field Wilmington County L.A.

VISITS:	Date	Engineer	Time	Operator's Rep.	Title
1st	11/5/82	G. Muggelberg	0700 to 0800	E. Low	D.F.
2nd			to		

Casing record of well: 10 3/4" cem 605'. TD 608' (drilling)

OPERATION: Testing (inspecting) the blowout prevention equipment and installation.
DECISION: The blowout prevention equipment and installation are approved.

Proposed Well Opns: New Drill MPSP: _____ psi

REQUIRED BOPE CLASS: III B 2 M

Hole size: 14 3/4" fr. Ø' to 608', _____" to _____' & _____" to _____'

CASING RECORD (BOPE ANCHOR STRING ONLY)					Cement Details	Top of Cement	
Size	Weight(s)	Grade (s)	Shoe at	CP at	602 cf class "G"	Casing	Annulus
10 3/4	40.5#	J-55	605	—	Stab in	585	Returns

BOP STACK							a	b	a/b	TEST DATA			
API Symb.	Ram Sz.	Mfr.	Model or Type	Size In.	Press. Rtg.	Date Last Overhaul	Gal. to Close	Rec.Time Min.	Calc.GPM Output	psi Drop to Close	Secs.to Close	Test Date	Test Press.
A	10	Shafco	—	10	3000	—						11/5/82	1000
Rd	4 1/2	Shaffer	LWS	10	3000	—						11/5/82	1000
Rd	CSO	Shaffer	LWS	10	3000	—				Rpt. Bx	E. Low	11/5/82	1000

ACTUATING SYSTEM

Accum.Unit(s) Wkg.Press. 3000 psi
Total Rated Pump Output _____ gpm
Distance From Well Bore 60 ft.

	Mfr.	Accum. Cap.	Precharge
1	Koomey	90 gal.	1000 psi
2		gal.	psi

CONTROL STATIONS		Elec.	Hyd.
×	Manif. at accum.unit		×
	Remote at Drlr's stn.		
×	Other: Pneumatic		

EMERG. BACKUP SYST.			Press.	Wkg.Fl.
×	N2 Cyl	No:2 Tpe:J	1 2400	8.4 gal
	Other:		2 2400	8.4 gal
			3	gal
			4	gal
			5	gal
			6	gal

AUXILIARY EQUIPMENT

		No.	Sz. (in)	Rated Press.	Connections Weld	Flan.	Thrd.	
×	Fill-Up Line							
×	Kill Line		2	3000		×	×	1000
×	Control Valve(s)	1		3000		×		—
×	Check Valve(s)	1		3000		×		1000
×	Auxil. Pump Connec.			3000			×	1000
×	Choke Line		3	3000		×		1000
×	Control Valve(s)	8		3000		×		1000
×	Pressure Gauge					×		
×	Adjustable Choke(s)	2	2	3000		×		1000
×	Bleed Line		3				×	
×	Upper Kelly Cock							—
×	Lower Kelly Cock		4 1/2	3000				1000
×	Standpipe Valve							1000
×	Standpipe Pressure Ga.							
×	Pipe Safety Valve		4 1/2	3000				—
×	Internal Preventer		4 1/2	3000				—

HOLE FLUID MONITORING EQUIPMENT

		Alarm Aud.	Alarm Vis.	Class
×	Calibrated Mud Pit			A
×	Pit Level Indicator	×	×	B
×	Pump Stroke Counter		×	B
	Pit Level Recorder			C
	Flow Sensor			C
	Mud Totalizer			C
	Calibrated Trip Tank			
	Other:			

REMARKS:

Driller Horst Peak answered
(On light blow stabin internal preventer
(On heavy blow stabin safety valve then internal preventer
Then run pipe in hole.

Hole Fluid Type	Weight	Storage-Pits
clay base	10 lb/gal	680 bbls

OGD9 (2/82/DWRR/3M)

DEFICIENCIES—TO BE CORRECTED

None

DEFICIENCIES—CORRECTED

Fill-up line not connected

CONTRACTOR

Cal Pacific Drilling Co.

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

No. P 182-616

848
(field code)
03
(area code)
00
(new pool code)
--
(old pool code)

REPORT ON PROPOSED OPERATIONS

SEC. 3606 WELL

John D. Carmichael, Agent
XTRA ENERGY CORPORATION
717 Walton St.
Signal Hill, CA 90806

_____, California

Your _____ proposal to drill well 36,
A.P.I. No. 037-22769, Section 20, T. 4S, R. 13W, S.B. B. & M.,
Wilmington field, F.B. I, Onshore area, Ranger pool,
Los Angeles County, dated 8/31/82, received 9/7/82 has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED:

1. Blowout prevention equipment, equivalent to this Division's Class IIIB, 2M requirements, or better, shall be installed and maintained in operating condition.
2. Drilling fluid of a quality and in sufficient quantity to control all subsurface conditions in order to prevent blowouts shall be used.
3. All oil, gas or fresh water sands behind the 7" casing shall be protected by either lifting cement or by multiple stage cementing.
4. This Division shall be consulted and a Supplementary notice may be required before making any changes in the proposed program.
5. The provisions of Sec. 3606 relating to derricks and subsurface spacing shall be followed.
6. A directional survey shall be made and filed with this Division.
7. THIS DIVISION SHALL BE NOTIFIED:
   a. To witness a test of the installed blowout prevention equipment prior to drilling out cement in the shoe of the 10-3/4" casing.
   b. To witness a test of the effectiveness of the 7" shut-off above the Ranger zone.

RM:csw

cc: Update
EDP
Subsidence

BLANKET BOND

M. G. MEFFERD, State Oil and Gas Supervisor

By _____
Deputy Supervisor J.L. HARDOIN

A copy of this report 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.

OG111 (4/82/DWRR/5M)

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

API No. 037-22769

WELL SUMMARY REPORT

Operator	Well				
Xtra Energy	36				
Field	**County**	**Sec.**	**T.**	**R.**	**B.&M.**
Wilmington	Los Angeles	20	4S	13W	S.B.

Location (Give surface location from property or section corner, street center line and/or California coordinates)
187' North along property line and 992' East at right angles to said line from the Southwest corner of property is the Northeast corner of Main St. & the AT & SF right-of-way.

Elevation of ground above sea level: 36'

Commenced drilling (date): 11/3/82

Completed drilling (date): 11/16/82

Commenced producing (date):

☐ Flowing ☒ Pumping
☐ Gas lift

Name of producing zone(s): Ranger

Total depth: (1st hole) 4290' ? (2nd) (3rd)

Present effective depth: 4237'

Junk: None

Depth measurements taken from top of: ☐ Derrick Floor ☐ Rotary Table ☒ Kelly Bushing
Which is 22 feet above ground

GEOLOGICAL MARKERS	DEPTH
"F"	4126'
"M"	4176'
"H"	4232'

Formation and age at total depth

	Clean Oil (bbl per day)	Gravity Clean Oil	Percent Water including emulsion	Gas (Mcf per day)	Tubing Pressure	Casing Pressure
Initial Production						
Production After 30 days						

CASING RECORD (Present Hole)

Size of Casing (API)	Top of Casing	Depth of Shoe	Weight of Casing	Grade and Type of Casing	New or Second Hand	Size of Hole Drilled	Number of Sacks or Cubic Feet of Cement	Depth of Cementing (if through perforations)
10 3/4"	Surf	605'	40.5 #	K-55	New	14 3/4"	648 CF	
7"	Surf	4127'	23 #	K-55	New	9 7/8"	542 CF	
5"	4056'	4237'	18 #	N-80	New			

PERFORATED CASING (Size, top, bottom, perforated intervals, size and spacing of perforation and method.)
Top: 4056' Shoe: 4237' 5" - 18# blank & Johnson pipeless, SS, wirewrapped Screen
(See Liner Detail)

Was the well directionally drilled? If yes, show coordinates at total depth
☒ Yes ☐ No 280' North & 1775' East

Electrical log depths
4237' to 607'

Other surveys
None

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	Title	
John D. Carmichael	Senior Vice President	
Address	**City**	**Zip Code**
2501 Cherry Ave. Suite 270	Signal Hill, Ca	90806
Telephone Number	**Signature**	**Date**
(213) 424-8549	John D. Carmichael	April 12, 1983

SUBMIT IN DUPLICATE

OG100 (3/82/GSR1/5M)

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