

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES
REPORT OF CORRECTION OR CANCELLATION

Ventura, California

June 8, 2000

James D. Mansdorfer, Agent
SOUTHERN CALIFORNIA GAS COMPANY
22245 Placerita Canyon Road ML 9181
Newhall, CA 91322-1124

In accordance with a notice was not received for the convert to observation

the following changes pertaining to your well "Porter" 40 (037-00727)
(Well Designation)
Aliso Canyon field, Ventura County,

Sec. 28, T. 3N, R. 16W, S.B. B.&M., is being made in our records:

The corrected location is _____

The corrected elevation _____

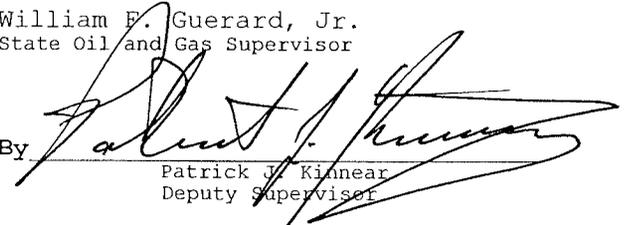
Report No. _____, dated _____, has been corrected as follows:

XX Your notice to _____ convert to observation _____ dated June 16, 1999
(Drill, abandon, etc.)
and our report No. P299-90 issued in answer thereto, are hereby canceled
inasmuch as the work will not be done. If you have a drilling bond on file
covering this notice it will be returned. No request for such return is necessary.

Other: _____

tkc

William F. Guerard, Jr.
State Oil and Gas Supervisor

By 

Patrick J. Kinnear
Deputy Supervisor

	(1)	()	(2)	()	()	()
INTENTION	DRILL		REWORK	Conduct to observation		
NOTICE DATED	3-18-48		5-5-77	4-11-99		
P-REPORT NUMBER	44712		277-149	249,000		
CHECKED BY/DATE		NO PROPOSAL NO ACTION TAKEN THROUGH 8/12/77		<i>[Signature]</i> 8-27-99		
MAP LETTER DATED			7-23-77	9-4-77		
SYMBOL			<i>[Symbol]</i>	<i>[Symbol]</i>		
	REC'D NEED	REC'D NEED	REC'D NEED	REC'D NEED	REC'D NEED	REC'D NEED
NOTICE	3-17-48	NONE	5-7-77	4-11-99		
HISTORY	12-28-48	2-28-75				
SUMMARY						
IES/ELECTRIC LOG						
DIRECTIONAL SURV						
CORE/SWS DESCRIP						
OTHER						
RECORDS COMPLETE	<i>[Symbol]</i>	<i>[Symbol]</i>	<i>[Symbol]</i>	8-27-99 <i>[Symbol]</i>		

ENGINEERING CHECK

T-REPORTS	_____
OPERATOR'S NAME	_____
WELL DESIGNATION	_____
LOC & ELEV	_____
SIGNATURE	_____
SURFACE INSPECTION	_____
FINAL LETTER OK	_____

CLERICAL CHECK

POSTED TO 121 _____	170 MAILED _____	FINAL LETTER MAILED _____
_____	_____	RELEASED BOND _____
_____	_____	_____
_____	_____	_____
_____	_____	_____

REMARKS: _____

PERMIT TO CONDUCT WELL OPERATIONS

010
(field code)
00
(area code)
99
(new pool code)
30
(old pool code)

Observation

James D. Mansdorfer, Agent
Southern California Gas Company
22245 Placerita Canyon Road ML9181
Newhall, CA 91322-1124

Ventura, California
July 6, 1999

Your proposal to convert to observation well "Porter" 40,
A.P.I. No. 037-00727, Section 28, T. 3N, R. 16W, S.B. B.&M.,
Aliso Canyon field, ----- area, Observation pool,
Los Angeles County, dated 6/16/99, received 6/18/99, has been examined in
conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. The well must be securely capped at the surface while in an observation status.
2. Annual temperature surveys are submitted to this office on an annual basis.

Blanket Bond
SAF:sf

Engineer Steven A. Fields

Phone (805) 654-4761

William E. Guerard, Jr.
State Oil and Gas Supervisor

By Patrick J. Kinnear

Patrick J. Kinnear
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.

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

NOTICE OF INTENTION TO REWORK / REDRILL WELL

90
810
20799
JUN 18 1999
DIV. GEOTHERMAL RESOURCES
VENTURA CALIFORNIA

C.E.Q.A. INFORMATION (when redrilling or deepening only)			
Exempt <input type="checkbox"/>	Neg. Dec. <input type="checkbox"/>	E.I.R. <input type="checkbox"/>	Document not required by local jurisdiction <input type="checkbox"/>
Class _____	S.C.H. No. _____	S.C.H. No. _____	
See Reverse Side			

FOR DIVISION USE ONLY			
Bond	Forms		EDP Well
	OGD114	OGD121	File
BB	✓	✓	

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

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to rework/redrill well See Below. This notice is provided to update well statuses in response to the Division's idle well API No. See Below.
(Circle one)

(Well designation)

Sec. 27, 28, 34 T. 3 N R. 16 W S.B. B & M Aliso Canyon Field

Los Angeles County.

1. The complete casing record of the well (present hole), including plugs and perforations, is as follows:
Per Steve Fields, all casing records are in the District office and details are waived for this section.

2. The total depth is: _____ feet. The effective depth is: _____ feet.

3. Present completion zone (s): _____ (Name) Anticipated completion zone (s): _____ (Name)

4. Present zone pressure: _____ psi. Anticipated/existing new zone pressure: _____ psi.

5. Last produced: _____ (Date) _____ (Oil, B/D) _____ (Water, B/D) _____ (Gas, Mcf/D)

(or)

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

6. Is this a critical well according to the definition on the reverse side of this form? Yes No

The proposed work is as follows: (A complete program is preferred and may be attached.) Listed below are the updated well statuses for Aliso Canyon:

- Mission Adrian Fee 1 037 00691 Water disposal (idle), Del Aliso and Porter completion, waterflood project. Well pressure is monitored monthly.
- Porter 26C 037 21353 Observation, plugged back storage zone well, no completion interval. Weekly well pressure, annual temperature survey.
- Porter 33 037 00720 Observation. Idle water injector, Porter completion, waterflood project. Well pressure monitored monthly.
- Porter 40 037 00727 Active withdrawal well, Sesnon completion, gas storage project. Annual temperature survey.
- Porter 58 037 00743 Observation, Aliso completion, waterflood project. Well pressure is monitored monthly.
- Standard Sesnon 5 037 00758 Observation (may be produced if needed), Sesnon completion, gas storage project. Ann. Temp. survey, daily pressure.
- Standard Sesnon 44 037 00788 Observation, plugged back gas storage well, no completion interval. Weekly well pressure, annual temperature survey.
- Ward 3 037 00192 Observation, plugged back gas storage well, no completion interval. Quarterly pressure surveys, annual temp. survey.

For redrilling or deepening: _____ (Proposed bottom-hole coordinates) _____ (Estimated true vertical depth)

The division must be notified if changes to this plan become necessary.

Name of Operator Southern California Gas Company	Telephone Number 805 253-7077
Address 22245 Placerita Canyon Road	City Newhall
Name of Person Filing Notice Steve Cardiff	Signature 
	Zip Code 91321
	Date June 16, 1999

File In Duplicate

C.E.Q.A. INFORMATION

Information for compliance with the California Environmental Quality Act of 1970 (C.E.Q.A.).

If an environmental document has been prepared by the lead agency, please submit a copy of the document with this notice or supply the following information:

Lead Agency: _____

Lead Agency Contact Person: _____

Address: _____

Phone: _____

FOR DIVISION USE ONLY

District review of environmental document (if applicable)? Yes No

Remarks: _____

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 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.

Exceptions or additions to this definition may be established by the State Oil and Gas Supervisor upon his or her own judgment or upon written request of an operator. The written request must contain justification for such an exception.

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.

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT ON PROPOSED CHANGE OF WELL DESIGNATION

Ventura _____, California

November 6, 1991

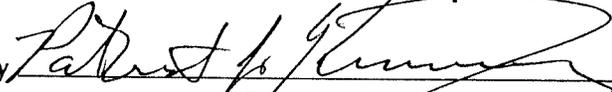
R. D. Phillips, Agent
SOUTHERN CALIFORNIA GAS COMPANY
P.O. Drawer 3249 Mail Location 22GO
Los Angeles, CA 90051-1249

Your request, dated July 24, 1991, proposing to change the designation of well(s) in Sec. 28, T. 3N, R. 16W, S.B. B. & M., Aliso Canyon field, Los Angeles County, District No. 2, has been received.

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

<u>FROM</u>	<u>TO</u>
"SFZU" P-4 (037-00699)	"Porter" 4 (037-00699)
"SFZU" P-25 (037-00712)	"Porter" 25 (037-00712)
"SFZU" P-26 (037-00713)	"Porter" 26 (037-00713)
"SFZU" P-34 (037-00721)	"Porter" 34 (037-00721)
"SFZU" P-35 (037-00722)	"Porter" 35 (037-00722)
"SFZU" P-38 (037-00725)	"Porter" 38 (037-00725)
"SFZU" P-39 (037-00726)	"Porter" 39 (037-00726)
"SFZU" P-40 (037-00727)	"Porter" 40 (037-00727)
"SFZU" P-41 (037-00728)	"Porter" 41 (037-00728)
"SFZU" P-42 (037-00729)	"Porter" 42 (037-00739)
"SFZU" P-43 (037-00730)	"Porter" 43 (037-00730)
"SFZU" P-44 (037-00731)	"Porter" 44 (037-00731)
"SFZU" P-46 (037-00733)	"Porter" 46 (037-00733)
"SFZU" P-47 (037-00734)	"Porter" 47 (037-00734)

M. G. MEFFERD, State Oil and Gas Supervisor

By 
Deputy Supervisor
PATRICK J. KINNEER

SUBMIT IN DUPLICATE
RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED

JUL 14 1977

SANTA PAULA, CALIFORNIA

History of Oil or Gas Well

Operator SOUTHERN CALIFORNIA GAS COMPANY Field or County Aliso Canyon
Well name and No. PORTER #40, Sec. 28, T 3N, R 16W, S. B. & M.
A.P.I. well No. 037-00727 Name P. S. Magruder, Jr. Title Agent
Date July 12, 1977. (Person submitting report) (President, Secretary or Agent)

Signature P. S. Magruder, Jr.

P. O. Box 3249, Terminal Annex, Los Angeles, California 90051 (213) 689-3561
(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 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

- 6-3-77 Killed well with 350 barrels of 65# polymer drilling fluid.
- 6-9-77 Move in rig and equipment from Fernando Fee #31. Rigged up same.
- 6-10-77 Installed plug in doughnut. Removed Christmas tree and installed Class III 5000 psi B.O.P.E. Tested blind rams and pipe rams with water and nitrogen at 4000 psi for 20 minutes each test. Tested Hydril bag with water and nitrogen at 3000 psi for 20 minutes each test. All tests O.K. D.O.G. did not witness B.O.P.E. test.
- 6-11-77 Released Brown Husky M-1 packer and pulled. Ran in hole with 7" casing scraper and 6" bit.
- 6-12-77 Rig and crew idle.
- 6-13-77 Circulated hole clean at 8962'. Picked up 300' of 1 1/4" drill pipe with sawtooth collar. Cleaned out fill in side 2 7/8" liner from 9196' to 9203'. Circulated hole clean.
- 6-14-77 Ran in with bridge plug and set same at 8950'. Tested bridge plug with 1000 psi for 25 minutes. Circulated polymer drilling fluid out of well with fresh water treated with surface tension agent. Pulled out. Picked up Johnston cement squeeze tool and ran in to 3500'.
- 6-15-77 Attempted to test 7" casing with cement squeeze tool and Halliburton pump truck, using fresh water, from 3500' to 8950' - leaked 1/2 cu.ft./minute. Attempted to test from 3500' to surface - tubing leaked - pulled out. Ran tubing in well and tightened all tubing connections with 1200# torque. Set at 8900' and pressure tested bridge plug with 2700 psi - O.K. Pressure tested 7" casing from 8800' to 8950' - old WSO holes leaked at 8869'. Attempted to break down with 5000 psi - would not break down more than 1/2 cu.ft./minute. Pulled up to 3500' and pressure tested 7" casing to surface for one hour at

2800 psi. Pulled to 3000' and tested at 3000 psi for one hour. Pulled to 2500' and tested to 3200 psi for one hour.

6-16-77 Tested 7" casing from 2300' to surface with 3400 psi for 60 minutes
" 1800' " " " 3600 psi " 60 "
" 1300' " " " 3800 psi " 60 "
" 800' " " " 4000 psi " 60 "

All above tests O.K.

Shot three 3/8" holes at 8868'. Ran in with Johnston cement squeeze tool to 8800'. Attempted to break down holes at 8868' - 1/2 cu.ft./minute at 5000 psi. Pulled up to 2000'.

6-17-77 Pulled out and rigged up Dresser-Atlas and shot eight 1/2" bullet holes at 8868'. Ran in with open-end tubing and spotted 5 sacks of sand on top of bridge plug at 8950'. Pulled up and waited one hour. Found top of sand at 8927'. Pulled out. Ran in with Johnston drillable (Hornet) cement retainer and set at 8840'.

6-18-77 Stabbed in Hornet drillable cement retainer at 8840' with Johnston stab-in tool. Broke down holes at 8868' at a rate of 1/2 cu.ft./minute under 5000psi. Mixed and pumped 25 sacks of Class "G" cement and squeezed out 3-1/2 sacks of cement through holes at 8868' under final pressure of 5000 psi. Cement in place at 7:29 A.M. Pulled out of retainer. Reversed circulated cement out of tubing and pulled out. Ran in with 6" bit and 7" casing scraper and drilled out 3' of cement from 8837' to 8840' - top of Hornet retainer.

6-19-77 Rig and crew idle.

6-20-77 Drilled out cement retainer at 8840'. Drilled out cement to 8870'. Ran to 8872' - circulated hole clean.

6-21-77 Ran in with Johnston cement squeeze tool and set at 3500'. Pressure tested holes in 7" casing at 8868' with 2700 psi for one hour - O.K. Pulled out. Ran in with Johnston retrieving tool. Cleaned out sand from 8827' to 8950'. Circulated hole clean. Tight spot at 8880'.

6-22-77 Attempted to release bridge plug at 8950' - did not recover. Re-ran new retrieving tool. Circulated hole clean and latched on to bridge plug at 8950'. Released bridge plug and ran in to top of 2 7/8" liner at 8962'. Pulled out. Left bridge plug in well.

6-23-77 Ran in with Johnston short catch retrieving tool. Pulled plug from 8962' to 29' where bridge plug became stuck in 29# 7" casing. Bridge plug parted. Recovered 15" from top sub of bridge plug. Ran in with 2 1/4"

DIVISION OF OIL AND GAS
RECEIVED

JUL 14 1977

SANTA PAULA, CALIFORNIA

- 6-23-77 overshot and worked over fish at 29'. Jarred on fish for two hours. Attempted to bump bridge plug down with bumper sub- unable to move bridge plug.
- 6-24-77 Picked up 20' of 4 3/4" drill collar and bumper sub. Bumped bridge plug down. Ran in with 10' of 5 3/4" O.D. x 5" I.D. washover shoe. Milled on bridge plug at 8962' for three hours. Pulled out and ran in with 2 1/4" overshot, jars and bumper sub to 2000'.
- 6-25-77 Jarred on fish at 8962' and pulled up to 8800'. Jarred for four hours. Pulled out and laid down bridge plug. Ran in with 6" bit and 7" casing scraper.
- 6-26-77 Rig and crew idle.
- 6-27-77 Ran 7" casing scraper and 6" bit to 8962'. Circulated hole clean. Ran 5.9" gauge and junk basket on GO-International Wireline to 8962'. Ran Otis Permatrieve packer on wireline and using collar locator, set at 8940'. Ran 2000' of 2 7/8" tubing.
- 6-28-77 Ran 2 7/8" tubing with Otis tubing flow safety system. Changed collars, cleaned pins, applied Baker Seal and hydrottested to 5000 psi. Each test held for one minute.
- 6-29-77 Finished Hydrottesting 2 7/8" tubing in well. Landed tubing with 10,000# on packer. Pulled up to 25,000# and checked latch. Removed B.O.P.E. and installed Christmas tree. Tested tree with Associated Services to 5000 psi. Changed over to lease water. Installed plug in doughnut.
- 6-30-77 Set tubing plug in NO-GO nipple. Pressure tested seals and packer under 2000 psi for 25 minutes. Pulled tubing plug with Otis Wireline. Released rig at 10:00 A.M. (6-30-77).

DIVISION OF OIL AND GAS
RECEIVED

JUL 14 1977

SANTA PAULA, CALIFORNIA

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS No. P 277-149

Mr. P.S. Magruder, Jr., Agent
Southern Calif. Gas Co.
P.O. Box 54790 Terminal Annex
Los Angeles, Calif. 90054

Santa Paula, Calif.
May 10, 1977

DEAR SIR:

(037-00727)

Your proposal to rework Well No. "SF20" P-40
Section 28, T. 3N, R. 16W, S.B. B. & M., Aliso Canyon Field, Los Angeles County,
dated 5/5/77, received 5/9/77, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. The drilling fluid used shall be of a quality and in sufficient quantity to control all subsurface conditions in order to prevent blowouts; and a reserve supply of this material shall be kept on hand to meet any emergency.
2. Blowout prevention equipment, at least of the Division of Oil and Gas Class III, 3M rating, shall be installed and maintained in operating condition at all times.
3. THIS DIVISION SHALL BE NOTIFIED TO WITNESS A PRESSURE TEST OF THE BLOWOUT PREVENTION EQUIPMENT BEFORE COMMENCING DOWNHOLE OPERATIONS.

NOTE: A COPY OF THIS APPROVAL SHALL BE POSTED AT THE WELL SITE PRIOR TO COMMENCING OPERATIONS.

Blanket Bond
MD:b

*130FE feet
waited 6-10-77
TMC*

M. G. MEPPERD (acting)
State Oil and Gas Supervisor

By Julia L. Herdman, Deputy

DIVISION OF OIL AND GAS
RECEIVED

DIVISION OF OIL AND GAS
Notice of Intention to Rework Well

MAY - 9 1977

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.

SANTA PAULA, CALIFORNIA

FOR DIVISION USE ONLY		
BOND	OGD114	OGD121
BB	✓	✓

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 No. PORTER #40, API No. - 037-00727
Sec. 28, T. 38, R. 16W, S.B. B. & M., Aliso Canyon Field, Los Angeles County.

The present condition of the well is as follows:

- Total depth. 9212'
- Complete casing record, including plugs and perforations:
 - 13 3/8" cemented 1060'
 - 7" cemented 9010'
 - 227' 5" landed 9207', slotted 9012'-9207'
top 8980' - perforated 9030'-9080' and
9082'-9094'
 - 241' 2 7/8" wire-wrapped liner landed 9203', top 8962'

- Present producing zone name SESNON Zone in which well is to be recompleted -
- Present zone pressure 3000 psi New zone pressure -
- Last produced Gas Storage Well
(Date) (Oil, B/D) (Water, B/D) (Gas, Mcf/D)
or
- Last injected _____
(Date) (Water, B/D) (Gas, Mcf) (Surface pressure, psig.)

The proposed work is as follows:

- Move in rig and kill well and install B.O.P.E. and test.
- Pull tubing and packer. Clean out to 8962'.
- Pressure test casing. Perform any remedial work indicated by pressure testing.
- Set packer and run tubing with down-hole safety system.

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

Address P.O. Box 3249, Terminal Annex
(Street)
Los Angeles California 90051
(City) (State) (Zip)
Telephone Number (213) 689-3561

SOUTHERN CALIFORNIA GAS COMPANY
(Name of Operator)
By P.S. Magruder, Jr.
(Name) (Date) 5-5-77
Type of Organization Corporation
(Corporation, Partnership, Individual, etc.)

DIVISION OF OIL AND GAS

History of Oil or Gas Well

SANTA ANA, CALIFORNIA

OPERATOR Pacific Lighting Service Co. FIELD Aliso Canyon

Well No. Porter #40, Sec. 28, T. 3N, R. 16W, S.B. B. & M.

Date _____, 19 _____

Signed _____

P. O. Box 54790, Terminal Annex

Los Angeles, Ca. 90054 (213) 689-3561

Title Agent

(Address)

(Telephone Number)

(President, Secretary or Agent)

It is of the greatest importance to have a complete history of the well. Use this form to report a full account of all important operations during the drilling and testing of the well or during re-drilling, altering of casing, plugging, or abandonment with the dates thereof. Be sure to include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, shooting and initial production data.

- | Date | |
|------|---|
| 1974 | |
| 12-2 | Moved in C.P.S. rig, shaker tank and pump. Pumped 50 barrels of hot oil down tubing, using Otis wireline equipment. Pulled gas valve from MM mandrel at 8859'. Pulled standing valve from 8914'. Made up manifold and conditioned mud. Shut job down at 10:30 PM. |
| 12-3 | Mixed pill. Using B.J. pump truck, circulated 630 barrels of 80#/cu. ft. calcium chloride polymer drilling fluid through well. Mud too gas cut to continue circulation. Released pump truck, closed well in and shut job down at 8:00 PM. |
| 12-4 | Filled hole with 80 barrels mud. Circulated 80# mud out of hole with 76# mud. Circulated gas out of well. Using Otis wireline service, set 2 tubing plugs. (1) at 140', (1) at 125'. Removed Xmas tree and installed BOPE. Closed well in and shut job down. |
| 12-5 | Tested BOPE with clear water. Blank rams at 2900 psi, pipe rams at 2900 psi, hydril at 2000 psi. Each test 20 minutes, Ok. Tested same with nitrogen. Blind rams and pipe rams at 2900 psi. Hydril at 2000 psi. 20 minutes each test, Ok. Using Otis wireline service, pulled tubing plugs from 125' and 140'. Filled hole with 75 barrels of mud. Spotted pill on bottom. Started out of hole with tubing. Closed well in and shut job down. |
| 12-6 | Filled hole with mud (8 barrels). Shut job down at 8:00 AM due to high winds. |

1974

- 12-7 Filled hole with mud (7 barrels). Layed down 33 joints of 2-7/8" hydril tubing, (1005.39') gas valves, MM mandrel and Guiberson KV-30 packer. Ran 32 stands in hole with 6" bit and 7" casing scraper. Closed well in and shut job down.
- 12-8 Idle.
- 12-9 Rigged up manifold to pump and well. Shut job down because of wind.
- 12-10 Filled hole with 8 barrels of mud. Picked up 37 jts. of 2-7/8" EUE J-55 tubing. Finished running in hole. Tagged top of liner at 8979'. Pulled out of hole and layed down 6" bit and 7" casing scraper. Ran in hole with 4-1/8" bit, 5" casing scraper, wire brush and bumper sub. Found fill at 9175'. Hooked up Baker swivel, cleaned out to 9207'. Washed and brushed liner, four passes per stand. Circulated hole clean. Lost 150 barrels of mud going away at rate of 20 barrels per hour. Spotted 50 barrel pill on bottom. Pulled out 110 stands. Closed well in and shut job down.
- 12-11 Filled hole with 10 barrels of mud. Pulled out of hole and layed down tools. Using Dresser Atlas, ran Neutron lifetime log 9207'-7900', Cement bond log 9207'-7500'. Filled hole between logs (25 barrels). Rigged down Dresser Atlas, conditioned mud. Ran 33 stands in hole, closed well in and shut job down.
- 12-12 Filled hole with 12 barrels mud. Pulled tubing out of hole. Ran in hole with Baker model "B" Lok-Set bridge plug. Tagged top of liner at 8979'. Pulled up 10' and set bridge plug at 8969'. Tested bridge plug and casing with rig pump and mud 1500 psi, 20 minutes Ok. Pulled tubing and setting tool. Removed BOPE and 7" casing head. Bled down 13-3/8" surface pipe, very little gas. Filled same with water. Shut job down.
- 12-13 Removed packing from 13-3/8" surface string. Using casing jacks, unlanded 7" casing with 200,000# pull. Removed casing slips and cut off head. Shut job down.

1974

12-14 Cut off conductor pipe and surface pipe. Butt welded new 5000 psi Cameron head to 13-3/8" surface pipe, 4" below head. X-rayed weld Ok. Using casing jacks, landed 7" casing at 201,000#. Installed new tubing head. Tested casing head and tubing head to 3500 psi. Each test 20 minutes, Ok. Closed well in and shut job down.

12-15 Idle.

12-16 Installed and tested BOPE. Tested pipe rams at 3000 psi and hydril at 2400 psi with clear water. Tested pipe rams at 2900 psi and hydril at 2000 psi with nitrogen. Each test 20 minutes. Test Ok. Closed well in and shut job down because of high winds.

12-17 Ran in hole with Baker fullbore retrievable cementer. Using Halliburton pump truck, pressure tested casing with mud.

0'-1500'	2700 psi
0'-3000'	2300 psi
0'-5000'	2050 psi

Each test 20 minutes Ok. Closed well in and shut job down due to high winds.

12-18 Ran in to 7000'. Set Baker fullbore, using Halliburton pump truck, pressure tested casing with mud.

0'-7000'	1870 psi
0'-8969'	1690 psi

Each test 20 minutes Ok. Pulled out of hole, layed down fullbore cementer. Using Dresser-Atlas, shot four 0.45"-17 gm charge jet holes for WSO test. Top holes at 8868', bottom holes at 8869'. Rigged down Dresser-Atlas and started in hole with Halliburton tester. Closed well in and shut job down.

12-19 Ran in hole with Halliburton tester for WSO test. Set packer at 8825'. Opened tester at 9:20 AM. Light blow 5 minutes. Dead, balance of test. 15' fluid rise in one hour. Chart indicated 7-10 lbs. pressure. Witness by D.O.G. not required. Pulled out of hole with testing tools. Ran in hole with bridge plug retrieving tool. Closed well in and shut job down.

D.O.G. not consulted, Notice not filed.

1974

- 12-20 Changed drilling fluid in hole from 75#/cu. ft. to 69#/cu. ft. Using rig pump, tested casing and WSO. Shot holes to 1600 psi. Test Ok. Pulled out of hole with retrieving tool. Ran in hole with Baker fullbore retrievable cementer. Closed well in and shut job down.
- 12-21 Made feeler run to 8960'. Set fullbore at 8923'. Using Halliburton pump truck, pressure tested casing with mud from 8923' to 8969', 2500 psi, 20 minutes Ok. Reset fullbore at 8740'. Pressure tested WSO holes at 8869' to 2500 psi. Bled down 500# in 7 minutes. Pressured down casing, above packer to 1500 psi for back up. Pressured casing below packer to 3800 psi. Bled down to 2750 psi 15 minutes. Pressured same to 4000 psi, bled down to 2400 psi 10 minutes. Not able to break down. Pulled out of hole with fullbore, ran in with retrieving tool. Pulled bridge plug loose at 8969'. Circulated well free of gas. Estimated loss of fluid, 7 barrels. Pulled out of hole with bridge plug. Ran 33 stands in hole, closed well in and shut job down.
- 12-22 Idle.
- 12-23 No gas on tubing or casing. Pulled tubing out of hole. Using Dresser Atlas 3-1/2" Golden jet guns, perforated four 0.31" holes per foot 9030'-9070'. Charge weight 11.0 (gm). Found fill with gun at 9154'. Released Dresser Atlas and ran in hole with 5" casing scraper and 4-1/8" bit. Cleaned out to bottom 9207', circulated well free of gas. Pulled out of hole. Made up 2-7/8" EUE J-55 Gru-V-Kut liner, setting tool, liner hanger and 4-3/4" drill collar. Ran in hole with 30 stands of tubing. Closed well in and shut job down.
- 12-24 Filled hole with 7 barrels. Retied tubing in derrick. Shut job down because of high winds.
- 12-25 Idle.
- 12-26 Ran to bottom (9207') with Gru-V-Kut liner. Pulled up 4' and set Burns liner hanger. Top of hanger at 8962'. Bottom of liner at 9203'. Hammered lead seal, using rig pump. Tested same to 1000 psi. Test Ok. Pulled out of hole, ran in with production string. Hydrotested all tubing to 5000 psi, test Ok. Not able to set packer. Closed well in and shut job down.

Porter #40 History (Cont'd)

Page 5

- 12-27 Filled hole with 8 barrels. Pulled tubing and layed down packer. Made up new packer and ran tubing. Set Brown Husky M-1 packer at 8854' with 12,000# wt. Removed BOPE. Installed Xmas tree. Tested same two places to 4500 psi. Each test 20 minutes. Test Ok. Closed well in and shut job down.
- 12-28 Changed well over from mud to lease salt water. Closed well in. Released rig at 2:00 PM.

PORTER #40 LINER DETAIL
12-26-74

2-1/2" x 3-1/2" O.D. J-55 Gru-V-Kut 0.018 mesh	T.L.H. 8962.43
7" x 2-7/8" EU 8thd. 29# Burns lead seal liner	
hanger	3.40 Reg. collar
2-7/8" EU 8thd. J-55 pup jt. - blank	6.10 Reg. collar
2-7/8" EU 8 thd. J-55 pup jt.- blank	12.15 slim hole collar

Blank	9.85
-------	------

8962.43'-8993.93'	Blank
8993.93'-9013.71'	Perforated
9013.71'-9015.96'	Blank
9015.96'-9044.80'	Perforated
9044.80'-9047.10'	Blank
9047.10'-9076.04'	Perforated
9076.04'-9078.30'	Blank
9078.30'-9107.18'	Perforated
9107.18'-9109.43'	Blank
9109.43'-9138.88'	Perforated
9138.88'-9141.23'	Blank
9141.23'-9170.45'	Perforated
9170.45'-9172.70'	Blank
9172.70'-9201.25'	Perforated
9201.25'-9203.00'	Blank

Top of liner hanger at 8962'
Bottom of Gru-V-Kut liner (shoe) 9203'

PORTER #40 TUBING DETAIL

12-26-74

<u>No.Jts.</u>	<u>Item</u>	<u>Length</u>	<u>Depth</u>
	Below K. B.	12.00	
	2-1/2" EU 8 thrd. donut & 2-7/8" J-55 pup joint	10.80	
24	2-7/8" EU 8 thrd. N-80 tubing	730.98	
257	2-7/8" EU 8 thrd. J-55 tubing	7996.40	
	2-1/2" EU 8 thrd. Otis sliding sleeve	3.20	8753.38
1	2-7/8" EU 8 thrd. J-55 tubing	31.70	
	2-1/2" 8 thrd. Otis X landing nipple 2.313" I.D.	1.00	8786.08
1	2-7/8" EU 8 thrd. J-55 tubing	31.30	
	2-1/2" EU 8 thrd. Otis X landing nipple 2.313" I.D.	1.00	8818.38
1	2-7/8" EU 8 thrd. J-55 tubing	31.30	
	2-1/2" x 7" 29# Brown Husky M-1 packer	4.45	8854.13
2	2-7/8" EU 8 thrd. J-55 tubing	62.02	
	2-1/2" EU 8 thrd. Otis XN 2.313" landing nipple 2.205 No-Go	1.15	8917.30
	2-1/2" Baker chamfered collar	.61	8917.91
	286 joints 2-7/8" tubing in hole		
	2-1/2" x 7" 29# Brown Husky M-1 packer set at 8854.13' with 12,000 lbs. weight.		
	2-1/2" Otis sliding sleeve at 8753.30' (Open)		

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT ON PROPOSED CHANGE OF WELL DESIGNATION

830 North La Brea Avenue

Inglewood,

California

September 26, 1968

Mr. Mr. C. G. Nelson, Agent
Getty Oil Co., Operator
P. O. Box 811
Agent for Ventura, California 93001

DEAR SIR:

Your ~~request dated~~ letter dated August 26, 1968, relative to change in designation of well(s) in Sec. 27, 28, 34, T. 3 N., R. 16 W., S. B. & M., Aliso Canyon field, Los Angeles County, District No. 1, has been received; and in accordance with Section 3203, Public Resources Code, reading in part as follows:

“* * * The number or designation by which any well heretofore drilled has been known, and the number or designation specified for any well in a notice filed as required by Section 3203, shall not be changed without first obtaining a written consent of the Supervisor.”

the proposed change in designation is hereby authorized as follows: (formerly owned by Getty Oil Co.)

See attached list.

ag

cc: F. E. Kasline
Production Dept.
Conservation Committee

F. E. KASLINE

~~E. R. MURRAY-AARON~~
State Oil and Gas Supervisor

By

Wm. C. Bailey
Deputy Supervisor

Proposed Changes of Well Designation

Old Designation:

New Designation:

Sec. 27:

"Fernando Fee" 32
"Porter" 12
" 30
" 31
" 32
" 36
" 37
" 45

"SFZU" FF-32 (037-00686)
" P-12 (037-00701)
" P-30 (037-00717)
" P-31 (037-00718)
" P-32 (037-00719)
" P-36 (037-00723)
" P-37 (037-00724)
" P-45 (037-00732)

Sec. 28:

"Porter" 4
" 25
" 26
" 34
" 35
" 38
" 39
" 40
" 41
" 42
" 43
" 44
" 46
" 47
"Porter-Sesnon" 42

"SFZU" P-4 (037-00699)
" P-25 (037-00712)
" P-26 (037-00713)
" P-34 (037-00721)
" P-35 (037-00722)
" P-38 (037-00725)
" P-39 (037-00726)
" P-40 (037-00727)
" P-41 (037-00728)
" P-42 (037-00729)
" P-43 (037-00730)
" P-44 (037-00731)
" P-46 (037-00733)
" P-47 (037-00734)
" PS-42 (037-00753)

Sec. 34:

"Fernando Fee" 31
" 33
" 34
" 35
"Mission-Adrian Fee" 3
" 4
" 5

"SFZU" FF-31 (037-00685)
" FF-33 (037-00687)
" FF-34 (037-00688)
" FF-35 (037-00689)
" MA-3 (037-00693)
" MA-4 (037-00694)
" MA-5 (037-00695)

VISION OF OIL AND GAS
RECEIVED
DEC 28 1948
LOS ANGELES, CALIFORNIA

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

WELL SUMMARY REPORT

Operator TIDE WATER ASSOCIATED OIL COMPANY Field ALISO CANYON
Well No. FOURTEEN 440 Sec. 25, T. 3 N, R. 16 W, S. 1. B. & M.
Location 2659.74' S. & 4454.80' W. from Sta. 784 Elevation of derrick floor 2696.51 above sea level. ground feet.

In compliance with the provisions of Chapter 93, Statutes of 1939, 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 December 6, 1948 Signed _____
W. E. Pezkes (Engineer or Geologist) E. S. Curl (Superintendent) Title Agent (President, Secretary or Agent)

Commenced drilling April 4, 1948 Completed drilling May 27, 1948 Drilling tools Cable Rotary

Total depth 9212' Plugged depth _____ GEOLOGICAL MARKERS _____ DEPTH _____

Junk _____

Commenced producing October 11, 1948 Flowing/gas lift/pumping _____
(date) (cross out unnecessary words)

10/13
Initial production
11/13
Production after 30 days

Clean Oil bbl. per day	Gravity Clean Oil	Per Cent Water including emulsion	Gas Mcf. per day	Tubing Pressure	Casing Pressure
353	21.0°	2.0	130	150#	150#
163	21.0°	0.5	84	300#	1400#

CASING RECORD (Present Hole)

Size of Casing (A. P. I.)	Depth of Shoe	Top of Casing	Weight of Casing	New or Second Hand	Seamless or Lapweld	Grade of Casing	Size of Hole Casing landed in	Number of Sacks of Cement	Depth of Cementing if through perforation
13-3/8"	1060'	0'	54.5#	New	Seamless	J-55	17-1/4"	850#	
7"	9010'	0'	23.26.29#	New	Seamless	J-55, X-80	11"	500	8975'
5"	9207'	8980'	18#	New	Seamless	J-55	7-7/8"		
					MAP	MAP BOOK	CARDS	BOND	FORMS 114 121

PERFORATIONS

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
5"	9012 ft.	9212 ft.	60 Mesh 2" slots	12	6"	Pacific undercut
5"	9094 ft.	9082 ft.	3/8" round holes		6"	Jet perforated
	9080 ft.	9030 ft.	3/8" round holes		3"	Jet perforated
	ft.	ft.				
	ft.	ft.				

Electrical Log Depths 1060' - 9210' (Attach Copy of Log)

DIVISION OF OIL AND GAS

DEC 20 1948

History of Oil or Gas Well LOS ANGELES, CALIFORNIA

TIME WATER ASSOCIATED OIL COMPANY

ALISO CANYON

OPERATOR.....FIELD.....

Well No. FORSTER 640, Sec. 23, T. 3 N, R. 16 W, S. B. S. B.

Signed J. C. Foster

Date December 6, 1948

Title Agent

(President, Secretary or Agent)

Use this form in reporting all important operations at the well, together with the dates thereof, in the order of their performance. Such operations include drilling, re-drilling, deepening, plugging, or altering casing as by perforating, shooting, or pulling. Include in your report size of hole drilled, re-drilled, or deepened; size, weight and length of casing landed, cemented, or removed, amount and location of perforations; number of sacks of cement used in cementing or plugging operations, number of feet of cement drilled out of casing, location of top and bottom of cement plugs. If the well was dynamited, give date, dimensions and weight of all shots. If tests were made give interval tested and results of tests, such as, amount and nature of fluids recovered.

1948

Date	Operations
2/23	2/25 Graded road and rig site.
2/26	3/2 Dug cellar and built foundation forms. Poured foundation concrete.
3/3	Erected derrick.
3/4	Idle.
3/5	3/6 Installed mud tanks and oiled road.
3/7	Idle.
3/8	3/11 Erected derrick and built casing racks.
3/12	3/15 Moved in rotary equipment.
3/16	3/20 Rigged up rotary.
3/21	3/22 Idle.
3/23	4/5 Rigged up. Idle.
4/6	Spudded 12-1/4" hole at 4:00 A.M. and drilled to 190'.
4/7	Drilled 12-1/4" hole from 190' to 545'.
4/8	Drilled 12-1/4" hole from 545' to 806'. Lost circulation while drilling at 806'. Conditioned mud with gel and rice hulls and regained circulation.
4/9	Drilled 12-1/4" hole from 806' to 990'. Mixed rice hulls with mud.
4/10	4/12 Drilled 12-1/4" hole from 990' to 1346'.
4/13	Drilled 12-1/4" hole from 1346' to 2025'. Opened 12-1/4" hole to 17-1/4" from 0' to 250'.
4/14	Opened 12-1/4" hole to 17-1/4" from 250' to 1060'.
4/15	Ran and cemented 13-3/8", 54.5# Youngstown T&C casing at 1060' with 650 sacks Fernox cement, treated first and last 150 sacks with quick setting chemical. Lost circulation after approximately 1/2 of cement had been displaced. Final pressure 200#. Time 2:30 P.M. Pumped in 200 sacks cement around outside of 13-3/8" casing.
4/16	Located top of cement at 1056'. Cleaned out cement to 1070' and circulated to 2025'.
4/17	Drilled 12-1/4" hole from 2025' to 2197'. Drilled 11" hole from 2197' to 2330'.
4/18	5/3 Drilled 11" hole from 2330' to 6208'.
5/4	Drilled 11" hole from 6208' to 6423'. Lost roller from bit, running globe basket.

DIVISION OF OIL AND GAS

History of Oil or Gas Well

OPERATOR TIDE WATER ASSOCIATED OIL COMPANY FIELD ALISO CANYON
 Well No. PORTER #40, Sec. 28, T. 3 N, R. 16 W, S. B. & M.
 Signed J. C. Foster
 Date _____ Title Agent
 (President, Secretary or Agent)

Use this form in reporting all important operations at the well, together with the dates thereof, in the order of their performance. Such operations include drilling, re-drilling, deepening, plugging, or altering casing as by perforating, shooting, or pulling. Include in your report size of hole drilled, re-drilled, or deepened; size, weight and length of casing landed, cemented, or removed, amount and location of perforations; number of sacks of cement used in cementing or plugging operations, number of feet of cement drilled out of casing, location of top and bottom of cement plugs. If the well was dynamited, give date, dimensions and weight of all shots. If tests were made give interval tested and results of tests, such as, amount and nature of fluids recovered.

1948
 Date

- 5/5 Ran globe basket and recovered roller from bit lost in hole. Drilled 11" hole from 6423' to 6597'.
- 5/6 Drilled 11" hole from 6597' to 6746'. Lost cutters from bit in hole.
- 5/7 Drilled 11" hole from 6746' to 6876'.
- 5/8 Drilled 11" hole from 6876' to 6897'. Ran Globe junk basket at 6896' and recovered pieces of cutter left in hole.
- 5/9 - 5/20 Drilled 11" hole from 6897' to 8890'.
- 5/21 Drilled 11" hole from 8890' to 8943'. Ran Schlumberger electric log at 8895'.
- 5/22 Drilled 11" hole from 8943' to 8975'. Cored 7-7/8" hole from 8975' to 8981'.
- 5/23 - 5/25 Cored 7-7/8" hole from 8981' to 9181'.
- 5/26 Cored 7-7/8" hole from 9181' to 9212'. Ran Schlumberger electric log at 9212'.
- 5/27 Opened 7-7/8" hole to 11" from 8975' to 9025'. Ran 7", 23", 26", and 29" Youngstown Speedtite casing which stopped at 9010'. Cemented at 9010' with 500 sacks Colton Hi-temperature cement. Pressure increased from 900# to 1100# when plugs bumped. Time 12:00 Midnight. Halliburton Bulk Method.
Casing detail as follows:
- | | | | |
|---------|---------|-----|---|
| Bottom | 1698.6' | 29" | N-80 |
| | 1775.8' | 26" | N-80 |
| | 1872.1' | 23" | N-80 |
| Balance | | 23" | J-55 except top joint which is 29", N-80. |
- 5/28 - 5/30 Standing cemented.
- 5/31 Located top of cement at 8962' and cleaned out to 9000'.
- 6/1 Ran Combination Johnston tester and gun on 2-7/8" drill pipe with 1000' of water cushion. Shot four 1/2" holes at 8975'. Set packer of tester at 8931' with tail pipe to 8955'. Opened trip valve at 10:50 A.M. and had a slight steady blow with fluid to surface in 1 hour 50 minutes. Pulled tester loose at 12:50 P.M. after being open 2 hours. Had approximately 85 stands of new fluid (29 barrels) consisting of clean looking gassy oil, except bottom 4 stands which was oily muddy water. Salinity of water sample 3 stands from bottom was 45 g/g. Test of water shut off witnessed and approved by Division of Oil and Gas.

DIVISION OF OIL AND GAS

LOS ANGELES, CALIFORNIA
History of Oil or Gas Well

OPERATOR TIDE WATER ASSOCIATED OIL COMPANY FIELD ALISO CANYON

Well No. PORTER #10, Sec. 25, T. 3 N, R. 16 W, S. S.P., B. & M.

Signed J. C. Foster

Date _____ Title Agent
(President, Secretary or Agent)

Use this form in reporting all important operations at the well, together with the dates thereof, in the order of their performance. Such operations include drilling, re-drilling, deepening, plugging, or altering casing as by perforating, shooting, or pulling. Include in your report size of hole drilled, re-drilled, or deepened; size, weight and length of casing landed, cemented, or removed, amount and location of perforations; number of sacks of cement used in cementing or plugging operations, number of feet of cement drilled out of casing, location of top and bottom of cement plugs. If the well was dynamited, give date, dimensions and weight of all shots. If tests were made give interval tested and results of tests, such as, amount and nature of fluids recovered.

Date	
6/2	Cleaned out with 6" bit from 9010' to 9212'. Ran 227' of 5", 18# J-55 Security Inserted liner, including 195' of perforated and landed at 9207'. Top of liner hanger 8979'. Perforations are 80 Mesh, 12 rows, 6" centers, 2" slots, with 6" undercut.
6/3	Ran 2-1/2", 6.5# J-55 Upset tubing including bottom 281' of 2", 4.7# Upset tubing and hung at 9100'. Circulated out mud with oil.
6/4	Circulated oil and well flowed by heads. Oil circulated with pumps approximately every 30 minutes, then well would flow approximately 30 minutes before dying.
6/5 6/6	Well flowed by heads after occasionally circulating oil with pumps. Ran swab and found fluid level almost at surface. Ran swab few times and well started flowing at 3:00 P.M. In 10 hours from 3:00 P.M. until 1:00 A.M. 6/7/48 well flowed 208 barrels gross fluid; 202 barrels approximate net oil (484 net rate); cut 3.1%; 20.4° gravity; 48/64 bean. Well died at 1:00 A.M. and was shut in to build up pressure. Fluid level at surface.
6/7	Opened well and well flowed 33 barrels gross fluid in 1 hour, then died. Shut in until 1:00 A.M. 6/8/48 when well was again opened and well started flowing. In 5 hours to 6:00 A.M. 6/8/48 well flowed 85 barrels gross fluid; 84 barrels approximate net oil; 1.5% cut, including 0.2% mud; 18/64 bean; 21.5° gravity; 0# tubing pressure; 50# casing pressure.
6/8	In 20 hours well flowed 247 barrels gross fluid; 242 barrels approximate net oil; 2.5% cut, including 0.5% mud; 21.1° gravity; 0# tubing pressure; 100# casing pressure; 87 MCF gas; Shut in at 4:00 A.M. Tubing pressure at 7:00 A.M. 150#.

DIVISION OF OIL AND GAS
RECEIVED
DEC 20 1948

DIVISION OF OIL AND GAS

History of Oil or Gas Well
LOS ANGELES, CALIFORNIA

OPERATOR FINE WATER ASSOCIATED OIL COMPANY FIELD ALISO CANYON

Well No. ROOPER 410, Sec. 28, T. 3 N, R. 16 W, S.3 B. & M.

Signed J. C. Foster

Date _____ Title Agent
(President, Secretary or Agent)

It is of the greatest importance to have a complete history of the well. Use this form in reporting the history of all important operations at the well, together with the dates thereof, prior to the first production. Include in your report such information as size of hole drilled to cementing or landing depth of casings, number of sacks of cement used in the plugging, number of sacks or number of feet of cement drilled out of casing, depth at which cement plugs started, and depth at which hard cement encountered. If the well was dynamited, give date, size, position and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position and results of pumping or bailing.

Date

Date	History (Cont'd)		Cut	Gravity	Bean	Tubing Pressure	Casing Pressure	MCF Gas	Hours On
	Gross Fluid	Approx. Net Oil							
1948									
6/9	250	224	12.0%	20.6°	48/64	0#	125#	--	17
6/20	239	211	12.0%	19.3°	48/64	0 - 150#	100#	73	17
6/22	245	210	14.0%	--	48/64	150#	0#	86	17
6/22	241	207	14.0%	--	48/64	125#	0#	54	18
6/23	232	200	14.0%	--	48/64	100#	100#	13	--
Shut in at 6:00 A.M. to unplug lead line.									
6/24	66	--	14.0%	--	--	--	--	--	16
6/25	263	224	15.0%	19.4°	32/64	0#	225#	115	24
San Luis water witch which found no fluid movement below 9162'. Located main source of water at 9120' which corresponds with bottom of tubing. Water entry, therefore, above 9120'.									
6/16	293	246	16.0%	19.9°	32/64	0#	400#	100	24
6/17	217	181	16.0%	19.2°	32/64	150#	250#	92	24
6/18	124	114	8.0%	19.2°	32/64	0#	450#	42	24
6/19	Rigged up Hoist to raise tubing.								
6/19	173	137	21.0%	19.2°	32/64	50#	600#	90	24
6/20	287	247	14.0%	19.2°	32/64	50#	475#	108	24
6/21	11	--	19.0%	19.2°	32/64	0#	650#	--	2
6/22	--	--	--	--	--	0#	550#	--	0

6/23 Installed Otis plug at 1000'. Removed Xmas Tree and installed control head. Opened well through casing and in 24 hours flowed 250 barrels gross fluid; 202 barrels approximate net oil; cut 19.0%; 24/64 bean; 0# tubing pressure; 150# casing pressure.

6/24 Pulled 3 joints of 2-1/2" tubing. Bottom of tubing approximately 8860'. Received control head, installed Xmas Tree, and removed Otis plug. Well shut in. Tubing pressure 0#; casing pressure 400#.

DIVISION OF OIL AND GAS

History of Oil or Gas Wells WOODS ANGELES, CALIFORNIA

OPERATOR FLUID WATER ASSOCIATED OIL COMPANY FIELD ALISO CANYON

Well No. PORTER (940), Sec. 23, T. 3 N, R. 16 W, S.P. B. & M.

Signed J. C. Foster

Date _____ Title Agent
(President, Secretary or Agent)

It is of the greatest importance to have a complete history of the well. Use this form in reporting the history of all important operations at the well, together with the dates thereof, prior to the first production. Include in your report such information as size of hole drilled to cementing or landing depth of casings, number of sacks of cement used in the plugging, number of sacks or number of feet of cement drilled out of casing, depth at which cement plugs started, and depth at which hard cement encountered. If the well was dynamited, give date, size, position and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position and results of pumping or bailing.

Date
1918

History (Cont'd)

6/25 Well dead. 0# tubing pressure; 400# casing pressure.
6/26 Well dead. 0# tubing pressure; 400# casing pressure.
6/27 Well dead. 0# tubing pressure; 400# casing pressure. Equalized tubing and casing pressure and opened well through tubing but would not flow.
6/28 Ran snab and found fluid level at 100'. Snabbed to 300' (58 barrels) and well started flowing. In 12 hours well flowed 157 barrels gross fluid; 160 barrels approximate net oil; 14.5% cut; including 0.5% mud; 32/64 bean; 50# tubing pressure; 275# casing pressure.
6/29 In 24 hours well flowed 215 barrels gross fluid; 183 barrels approximate net oil; 15% cut, including 0.5% mud; 19.8° gravity; 43/64 bean; 50# tubing pressure; 350# casing pressure.

Gross Fluid	Approx. Net Oil	Cut	Gravity	Bean	Tubing Pressure	Casing Pressure	Gas MCF	Hours On
-------------	-----------------	-----	---------	------	-----------------	-----------------	---------	----------

6/30	225	202	10.1%	20.2°	48/64	50#	525#	40	24
7/1	Ran snab water witch, located water entry at 8975'.								
7/2	263	223	15.0%	19.7°	48/64	50#	500#	23	24
7/3	213	177	13.0%	19.9°	48/64	50#	450#	86	24
7/4	278	220	20.0%	19.4°	48/64	50#	500#	70	24
7/5	320	243	24.0%	19.5°	48/64	150#	400#	84	24
7/6	49	37	24.0%	19.5°	48/64	150#	600#	23	24
7/7	169	144	24.0%	21.5°	48/64	--	--	36	24
7/8	229	179	22.0%	--	48/64	150#	650#	--	24
7/9	332	251	22.0%	--	48/64	--	650#	44	24
7/10	30	23	22.0%	--	48/64	--	900#	48	24
7/11	Shut in.								
7/12	158	66	20.0%	--	48/64	300#	625#	80	24
7/13	Circulated mud and killed well.								
7/14	Circulated mud and rigged up to pull tubing.								
7/15	Finished rigging up and started pulling 2-1/2" tubing.								
7/16	Finished pulling 2-1/2" tubing.								
7/17	15	Idle.							

DIVISION OF OIL AND GAS

History of Oil or Gas Well

OPERATOR WIDE WATER ASSOCIATED OIL COMPANY FIELD ALISO CANYON

Well No. PORTER 440, Sec. 28, T. 3 N, R. 16 W, S.B. B. & M.

Signed J. C. Foster

Date _____ Title Agent
(President, Secretary or Agent)

It is of the greatest importance to have a complete history of the well. Use this form in reporting the history of all important operations at the well, together with the dates thereof, prior to the first production. Include in your report such information as size of hole drilled to cementing or landing depth of casings, number of sacks of cement used in the plugging, number of sacks or number of feet of cement drilled out of casing, depth at which cement plugs started, and depth at which hard cement encountered. If the well was dynamited, give date, size, position and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position and results of pumping or bailing.

Date
1948

History (Cont'd)

- 7/19 Ran McGaffey Taylor squeeze tool which stopped at 7345'.
- 7/20 Pulled cement tool.
- 7/21 Ran Security casing scraper and scraped from 7300' to 8980'. Pulling scraper.
- 7/22 Pulled casing scraper, running McGaffey Taylor cement tool.
- 7/23 Idle.
- 7/24 Ran in hole with the McGaffey Taylor cement tools. Tools stuck again at 7345'. Pulled the McGaffey Taylor cement tool and closed control gate.
- 7/25 Idle.
- 7/26 Installed derrick floor and moved in rotary table.
- 7/27 - 28 Rigged up rotary table.
- 7/29 Ran Security casing scraper on 2-1/2" tubing.
- 7/30 Ran Security casing scraper to 7300' and conditioned mud.
- 7/31 - 8/1 Idle.
- 8/2 Circulated and conditioned mud at 7300'.
- 8/3 Rotated and scraped 7" casing with Security scraper from 7250' to 7350'. Hole very tight from 7312' to 7350'.
- 8/4 Rotated and scraped 7" casing with Security scraper from 7200' to 7866'. Below 7350' scrapes easily.
- 8/5 Rotated and scraped 7" casing with Security scraper from 7866' to 8980'.
- 8/6 Re-scraped 7" casing from 7330' to 7350'. Pulled scraper out of hole.
- 8/7 - 8/8 Idle.
- 8/9 Ran Baker Magnesium Model K retainer as bridging plug and set at 8980' with top at 8978'.
- 8/10 Running Baker Magnesium Model K cement retainer.
- 8/11 Ran in cement retainer set at 8963'. Mixed mud.
- 8/12 Set Baker Model K Magnesium retainer at 8963' and applied pressure to shot holes at 8975'. Formation took fluid at 3200# at rate of 6 cu.ft. per minute. Opened circulating ports and mixed 50 sacks of Colton Hi-temperature cement preceded by 50 cu.ft. of water and followed by 200 cu.ft. of mud. Closed circulating ports and squeezed all cement below retainer. Final pressure 4300#. Time 10:30 A.M. International Bulk Method. Bailed off retainer, pulled 2 stands of tubing and closed rams at surface. Tested casing from surface to top of cement retainer by applying 2800# pressure. Had no pressure drop for 15 minutes indicating casing O.K. Pulled out of hole with tubing.

DIVISION OF OIL AND GAS
RECEIVED
DEC 25 1948
LOS ANGELES, CALIFORNIA

DIVISION OF OIL AND GAS

History of Oil or Gas Well

OPERATOR TIDE WATER ASSOCIATED OIL COMPANY FIELD ALISO CANYON

Well No. PORTER (440), Sec. 25, T. 3 N, R. 16 W, S. B. & M.

Signed J. C. Foster

Date _____ Title Agent

(President, Secretary or Agent)

Use this form in reporting all important operations at the well, together with the dates thereof, in the order of their performance. Such operations include drilling, re-drilling, deepening, plugging, or altering casing as by perforating, shooting, or pulling. Include in your report size of hole drilled, re-drilled, or deepened; size, weight and length of casing landed, cemented, or removed, amount and location of perforations; number of sacks of cement used in cementing or plugging operations, number of feet of cement drilled out of casing, location of top and bottom of cement plugs. If the well was dynamited, give date, dimensions and weight of all shots. If tests were made give interval tested and results of tests, such as, amount and nature of fluids recovered.

1948
Date

8/13 Went in hole with bit.
8/14 - 15 Idle.
8/16 Drilled out cement and cement retainer from 8949' to 8977'.
8/17 Conditioned mud and pulled bit out of hole.
8/18 Went in with Johnston tester.
8/19 Ran Johnston casing tester on 2-1/2" tubing with no water cushion. Set packer at 8160' with tail pipe to 8175'. Trip valve at 8:32 A.M. had a light steady blow for 1 minute and then dead for balance of test. Pulled tester loose at 9:54 A.M. after being open 1 hour and 22 minutes. Pulled up 1 stand and ran pressure bomb which stopped at 7960'. Pressure bomb chart indicated top of fluid at 7900', for a total fluid rise of 204' (1.18 barrels). Ran bailer and sampled fluid at 7900', 7930', and 7960'. Samples as follows:

7900'	20.5 g/g	Heavy drill mud
7930'	27.5 g/g	Cement cut drilling mud
7960'	20.5 g/g	Cement cut drilling mud

Pulled up 787' and set packer at 7280' with tail pipe to 7295' which opened valve at 2:25 P.M. Had a medium steady blow for 5 1/2 minutes, then dead for 24 minutes followed by one light puff, then dead for balance of test. Pulled tester loose at 3:52 P.M. after being open 1 hour 27 minutes. Pulling tester.

8/20 Finished pulling Johnston tester and recovered 372' (2.15 barrels of drilling mud). On first test with packer at 8160' a net rise of 204' was recorded by pressure bomb and bailer. With packer set at 7280' a net rise of 168' was recovered. Maximum salinity of drilling fluid 28 g/g.

8/21 - 22 Idle.
8/23 Drilled out cement and cement retainer from 8977' to 8980'. Pulling bit out of hole.
8/24 Going in with bit to clean out inside liner.
8/25 Ran bit and cleaned out inside liner from 8980' to 8985'.
8/26 Drilled out cement inside liner from 8985' to 9014'.
8/27 Cleaned out hard cement from 9014' to 9085' and soft cement mixed with mud from 9085' to 9119'.
8/28 - 29 Idle.

DIVISION OF OIL AND GAS
RECEIVED

DIVISION OF OIL AND GAS

History of Oil or Gas Well LOS ANGELES, CALIFORNIA

OPERATOR ELVE WATER ASSOCIATED OIL COMPANY FIELD ALISO CANYON

Well No. PORTER/440, Sec. 23, T. 3 N, R. 16 W, S. B & M.

Signed J. C. Foster
R

Date _____ Title Agent
(President, Secretary or Agent)

Use this form in reporting all important operations at the well, together with the dates thereof, in the order of their performance. Such operations include drilling, re-drilling, deepening, plugging, or altering casing as by perforating, shooting, or pulling. Include in your report size of hole drilled, re-drilled, or deepened; size, weight and length of casing landed, cemented, or removed, amount and location of perforations; number of sacks of cement used in cementing or plugging operations, number of feet of cement drilled out of casing, location of top and bottom of cement plugs. If the well was dynamited, give date, dimensions and weight of all shots. If tests were made give interval tested and results of tests, such as, amount and nature of fluids recovered.

Date	Description
8/30	Drilled out cement from 9119' to 9207'.
8/31	Pulled bit out of hole. Preparing to perforate liner.
9/1	Ran 3-5/8" x 19' Byron Jackson Jet Perforator, which stopped at 9113'. Pulled out of hole and gun hung up 25' from surface. Ran joint of tubing and freed gun. Ran 3-5/8" x 8' gun, which stopped at 25'. Ran tubing and tried to circulate out obstruction, without results.
9/2	Circulated out large pieces of magnesium from retainer. Ran 3-5/8" Byron Jackson Jet Perforator and shot 2 holes per foot from 9094' to 9082' and 4 holes per foot from 9080' to 9030'. Could not get gun below 9094'.
9/3	Idle.
9/4 - 10/2	IDLE, on account of Strike.
10/3	Cleaned out and conditioned mud to 9130'.
10/4	Pulled tubing.
10/5	Cleaned out from 9130' to 9207'. Spotted 40 barrels salt water thru tubing at 9207'.
10/6	Pulled bit and ran McGaffey Taylor pressure washer.
10/7	Washed perforations in 5" liner from 9020' to 9200' using salt water and McGaffey Taylor pressure washer. Found holes closed from 9040' to 9075', but all other holes open. Pulled washer.
10/8	Ran 2-1/2" tubing, including 276' of 2" and landed at 9104'. Tore out rotary table and sub-base.
10/9	Connected up lines and circulated out mud with oil. Swabbed to 700'.
10/10	Idle.
10/11	Swabbed and flowed by heads 113 barrels gross fluid, all circulating oil.
10/12	Swabbed and flowed by heads 180 barrels gross fluid, all circulating oil.
10/13	Opened well and well began flowing. In 24 hours well flowed 390 barrels gross fluid; 383 barrels approximate net oil; 2.0% average cut; 21.0° gravity; 32/64 bean; 125# tubing pressure; 150# casing pressure.

SUBMIT IN DUPLICATE
STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS
RECEIVED

DIVISION OF OIL AND GAS

History of Oil or Gas Well
LOS ANGELES, CALIFORNIA

OPERATOR THE WATER ASSOCIATED OIL COMPANY FIELD ALISO CANYON

Well No. PORTER #40 Sec. 28, T. 3 N, R. 16 W, S. 3 B. & M.

Signed J. C. Foster

Date _____ Title Agent
(President, Secretary or Agent)

Use this form in reporting all important operations at the well, together with the dates thereof, in the order of their performance. Such operations include drilling, re-drilling, deepening, plugging, or altering casing as by perforating, shooting, or pulling. Include in your report size of hole drilled, re-drilled, or deepened; size, weight and length of casing landed, cemented, or removed, amount and location of perforations; number of sacks of cement used in cementing or plugging operations, number of feet of cement drilled out of casing, location of top and bottom of cement plugs. If the well was dynamited, give date, dimensions and weight of all shots. If tests were made give interval tested and results of tests, such as, amount and nature of fluids recovered at (d)

1948
Date

Date	Gross Fluid	Approx. Net Oil	Out	Gravity	Beam	Tubing Pressure	Casing Pressure	MCF Gas	Hours 60s
10/14	331	328	1.0%	21.0°	32/64	150#	150#	136	24
10/15	238	236	1.3%	21.0°	32/64	150#	150#	127	24
10/16	226	224	1.4%	21.0°	32/64	150#	150#	62	20
10/17	242	240	1.3%	21.0°	24/64	150#	300#	111	24
10/18	242	240	1.3%	21.0°	26/64	175#	450#	126	24
10/19	247	245	1.0%	21.0°	20/64	200#	500#	132	24
10/20	226	224	1.0%	20.8°	18/64	200#	600#	119	24
10/21	218	216	0.8%	21.4°	18/64	200#	650#	115	24
10/22	208	207	0.6%	21.4°	18/64	200#	750#	119	24
10/23	236	234	0.6%	21.4°	18/64	300#	800#	142	24
10/24	206	205	0.6%	21.4°	18/64	200#	900#	108	24
10/25	217	216	0.6%	21.4°	18/64	200#	1000#	112	24
10/26	223	221	0.6%	21.4°	18/64	225#	1050#	132	24
10/27	217	216	0.6%	21.4°	18/64	300#	1100#	110	24
10/28	192	191	0.4%	21.4°	18/64	300#	1200#	100	24
10/29	200	198	1.0%	21.4°	18/64	275#	1250#	98	24
10/30	192	190	1.0%	21.4°	18/64	275#	1300#	93	24
10/31	222	220	0.7%	21.4°	18/64	280#	1350#	145	24
11/1	195	193	1.2%	21.4°	18/64	280#	1375#	105	24
11/2	186	184	1.2%	21.4°	18/64	280#	1475#	99	24
11/3	195	193	1.0%	21.4°	18/64	250#	1525#	91	24
11/4	192	191	0.4%	21.4°	18/64	275#	1575#	92	24
11/5	170	169	0.4%	21.4°	18/64	275#	1600#	90	24
11/6	190	189	0.4%	21.4°	18/64	275#	1650#	105	24
11/7	180	179	0.4%	21.4°	18/64	275#	1700#	93	24
11/8	177	175	1.0%	21.4°	18/64	275#	1750#	95	24
11/9	180	178	1.0%	21.4°	18/64	275#	1750#	87	24
11/10	200	199	0.5%	21.4°	18/64	275#	1750#	86	24
11/11	175	174	0.5%	21.0°	18/64	300#	1850#	83	24
11/12	196	195	0.5%	21.0°	18/64	300#	1400#	144	24
11/13	164	163	0.5%	21.0°	18/64	300#	1400#	84	24

DIVISION OF OIL AND GAS
RECEIVED
DEC 28 1948

DIVISION OF OIL AND GAS

History of Oil or Gas Well LOS ANGELES, CALIFORNIA

OPERATOR THE WATER ASSOCIATED OIL COMPANY FIELD ALISO CANTON

Well No. PORTER (4) 60, Sec. 27, T. 3 N, R. 16 W, S. 1/4, B. & M.

Signed J. C. Foster

Date _____ Title Agent
(President, Secretary or Agent)

It is of the greatest importance to have a complete history of the well. Use this form in reporting the history of all important operations at the well, together with the dates thereof, prior to the first production. Include in your report such information as size of hole drilled to cementing or landing depth of casings, number of sacks of cement used in the plugging, number of sacks or number of feet of cement drilled out of casing, depth at which cement plugs started, and depth at which hard cement encountered. If the well was dynamited, give date, size, position and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position and results of pumping or bailing.

Date
1948

History (Cont'd)

	<u>Gross Fluid</u>	<u>Approx. Net Oil</u>	<u>Out</u>	<u>Gravity</u>	<u>Beam</u>	<u>Tubing Pressure</u>	<u>Casing Pressure</u>	<u>MCF Gas</u>	<u>Hours On</u>
11/14	184	183	0.5%	21.0°	18/64	300#	1650#	86	24
11/15	183	182	0.5%	21.0°	18/64	300#	1700#	85	24
11/16	186	185	0.5%	21.0°	18/64	300#	1750#	84	24
11/17	177	176	0.5%	21.0°	18/64	300#	1750#	79	24
11/18	172	171	0.5%	21.0°	18/64	300#	1800#	78	24
11/19	170	170	0.2%	21.0°	18/64	200#	1500#	139	24
11/20	192	192	0.2%	21.0°	18/64	300#	1600#	88	24
11/21	182	182	0.2%	21.0°	18/64	301#	1650#	83	24
11/22	191	191	0.2%	21.0°	18/64	300#	1700#	76	24
11/23	209	209	0.2%	21.0°	18/64	300#	1550#	146	24
11/24	184	184	0.2%	21.0°	18/64	300#	1600#	80	24

CASING RECORD

13-3/8", 54.5# C 1060'
7", 23, 26, 29# C 9010' C.P. 8975'.
227' - 5", 18# Inc. 195' Perf. L 9207' Top 8980'.
Jet-Perf. 2 H/ft.
9094-9082'.
4 H/ft. 9080-9070'.

TUBING RECORD

2-1/2", Inc. 276' of 2" Hwg 9104'.

MAP	MAP BOOK	CARDS	BOND	FORMS	
				114	121

DIVISION OF OIL AND GAS

LOG AND CORE RECORD OF OIL OR GAS WELL LOS ANGELES, CALIFORNIA

Operator SLIDE WATER ASSOCIATED OIL COMPANY Field ALISO CANYON

Well No. PORTER 640 Sec. 28, T. 3 N, R. 16 W, S.B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO		Thickness	Drilled or Cored	Recovery	DESCRIPTION
Top of Formation	Bottom of Formation				
0'	70'		Drilled		Surface sand and gravel
70'	4856'		"		Sand and shale
4856'	4976'		"		Shale
4976'	6924'		"		Sand and shale
6924'	6957'		"		Shale
6957'	8975'		"		Sand and shale
8975'	8981'		Cored		Sandy siltstone
8981'	9031'		"		Siltstone and oil sand
9031'	9081'		"		Oil sand
9081'	9101'		"		Siltstone
9101'	9201'		"		Oil sand and siltstone
9201'	9212'		"		Hard gray sand and siltstone

MAP	MAP BACK	CARDS	BOND	FORMS	
				114	121

DIVISION OF OIL AND GAS

DEC 28 1948

LOS ANGELES, CALIFORNIA
LOG AND CORE RECORD OF OIL OR GAS WELL

Operator FIDE WATER ASSOCIATED OIL COMPANY Field ALISO CANYON

Well No. FOSTER 440 Sec. 28, T. 3 N, R. 16 W, S.E. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO		Thickness	Drilled or Cored	Recovery	DESCRIPTION
Top of Formation	Bottom of Formation				
					<u>7-7/8" REED WIRE LINE CORES</u>
8975'	8985'			2' 1"	1' 7" Fragments of shale and dark gray sandy siltstone. 0' 6" Fairly hard, dark gray, sandy siltstone. No to slight cut and odor.
8985'	8995'			10' 0"	10' 0" Very hard, dark gray, sandy siltstone. Virtually a shell. No to slight cut and odor.
8995'	9005'			8' 0"	1' 0" Shell. 4' 0" Fairly hard, fine to medium grained silty oil sand. Good cut and odor. 3' 0" Hard, fine to medium silty oil sand. Poorly saturated in harder portions. Fair cut and odor.
9005'	9011'			6' 6"	6' 6" Mottled, dark gray, oil stained, sandy siltstone. No to good cut and odor.
9011'	9021'			9' 0"	9' 0" Fairly hard, dark gray and oil stained sandy siltstone. No to fair cut and odor.
9021'	9031'			3' 0"	3' 0" Hard, dark gray, sandy siltstone. No cut or odor.
9031'	9041'			No Recovery	
9041'	9051'			7' 6"	1' 6" Fragments dark gray, sandy siltstone. 6' 0" Firm, medium grained, poorly sorted oil sand. Good cut and odor.
9051'	9061'			10' 0"	10' 0" Firm, fine to coarse grained, poorly sorted oil sand. Good cut and odor.
9061'	9071'			3' 6"	3' 6" Firm, fine to medium grained oil sand. Good cut and odor. Top portion of core looks undersaturated, possibly due to washing. Bottom 6" badly burned.

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS

RECEIVED

DEC 28 1948

LOS ANGELES, CALIFORNIA

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator ELDE WATER ASSOCIATED OIL COMPANY Field ALISO CANYON

Well NORTON 240 Sec. 28, T. 3 N, R. 16 W, S. B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO		Thickness	Drilled or Cored	Recovery	DESCRIPTION
Top of Formation	Bottom of Formation				
<u>7-7/8" Road Wire Line Cores</u>			<u>(Cont'd)</u>		
9071'	9081'			5' 0"	5' 0" Firm, fine to medium oil sand. 0' 6" near top looks undersaturated but has good cut and fair odor.
9081'	9091'			6' 0"	6' 0" Hard, gray and oil saturated, sandy siltstone. No to good cut and odor.
9091'	9101'			5' 6"	5' 6" Hard, dark gray, sandy siltstone.
9101'	9111'			10' 0"	7' 0" Hard, dark gray, sandy siltstone. 3' 0" Hard, fine, silty oil sand. Good cut and odor.
9111'	9121'			1' 6"	1' 6" Hard, fine, sandy siltstone. Good cut and odor.
9121'	9131'			10' 0"	7' 0" Firm, medium to coarse grained oil sand. Good cut and odor. 0' 6" Hard sandstone shell. 2' 6" Hard, fine, silty oil sand. Good cut and odor.
9131'	9141'			10' 0"	10' 0" Hard, fine, silty oil sand. Good cut and odor.
9141'	9151'			7' 0"	7' 0" Hard, fine, silty oil sand. Good cut and odor.
9151'	9161'			10' 0"	10' 0" Hard, fine, dark gray and brown sandy siltstone. No to good cut and odor.
9161'	9171'			10' 0"	10' 0" Hard, fine, dark gray and brown sandy siltstone. Irregularly saturated. No to fair cut and odor.
9171'	9181'			10' 0"	10' 0" Hard, dark brown sandy siltstone. Good cut and odor.

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
DEC 28 1946

LOG AND CORE RECORD OF OIL OR GAS WELL
LOS ANGELES, CALIFORNIA

Operator FIELD WATER ASSOCIATED OIL COMPANY Field ALISO CANYON

Well No. PORTER 440 Sec. 23, T. 3 N, R. 16 W, S.B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO		Thickness	Drilled or Cored	Recovery	DESCRIPTION
Top of Formation	Bottom of Formation				
<u>7-7/8" Reed Wire Line Cores</u>			<u>(Cont'd)</u>		
9181'	9191'			6' 0"	6' 0" Hard, dark gray and oil stained sandy siltstone. No to good cut and odor.
9191'	9201'			10' 0"	4' 0" Hard, fine, oil saturated, sandy siltstone. Good cut and odor. 1' 6" Hard, oil stained, sandy siltstone. Almost a shell. 3' 0" Firm to hard, fine to medium grained mottled and undersaturated oil sand and gray sand. Fair cut and odor. 1' 6" Hard, fine, oil saturated, sandy siltstone. Good cut and odor.
9201'	9211'			9' 0"	4' 0" Hard, fine to medium grained gray sand. No cut and odor. 5' 0" Hard, fine, silty oil sand and sandy siltstone. Fair to good cut and odor.
9211'	9212'			1' 0"	1' 0" Hard, fine to medium grained gray sand. Bottom 6" slight mottled saturation. No to fair cut and odor.

MAP	MAP BOOK	CARDS	BOUND	FORMS	
				114	121

DIVISION OF OIL AND GAS

Report on Test of Water Shut-off
(FORMATION TESTER)

No. T. 1-48280

Los Angeles 15, Calif. June 9, 19 48

Mr. F. C. Foster

Los Nietos, Calif.

Agent for TIDE WATER ASSOCIATED OIL COMPANY

DEAR SIR:

Your well No. "Porter" 40, Sec. 28, T. 3 N., R. 16 W., S. B. B & M.

Aliso Canyon Field, in Los Angeles County, was tested for water shut-off on June 1, 19 48. Mr. J. L. White, Inspector, designated by the supervisor, was present as prescribed in Secs. 3222 and 3223, Ch. 93, Stat. 1939; there were also present

W. E. Perkes, Engineer; R. D. Ruberts, Drilling Foreman.

Shut-off data: 7 in. 23, 26, 29 b. casing was cemented ~~XXX~~ at 9010 ft. on May 27, 19 48 in 11 in. hole with 500 sacks of cement of which 9 sacks was left in casing.

Casing record of well: 13-3/8" cem. 1060'; 7" cem. 9010'; four 3/8" test holes 8975', W.S.O.

Present depth 9212 ft. Bridged with cement from 9010 ft. to 9000 ft. Cleaned out to 9000 ft. for test. A pressure of 1000 lb. was applied to the inside of casing for 10 min. without loss after cleaning out to 8962 ft. A Johnston gun and tester was run into the hole on 2-7/8 in. drill pipe with 1000 ft. of water cushion, and packer set at 8931 ft. with tailpiece to 8955 ft. Tester valve, with 3/8 in. bean, was opened at 10:50 a.m. and remained open for 2 hr. and ~~XXX~~ min. During this interval there was a fair, steady blow throughout the test. Fluid reached the surface in 1 hr. and 50 minutes.

THE INSPECTOR ARRIVED AT THE WELL AT 4:00 P. M. AND MR. PERKES REPORTED:

1. An 11" rotary hole was drilled from 2025' to 9025'; a 7-7/8" rotary hole, from 9025' to 9212'.
2. Electrical core readings showed the top of the Sesnon oil zone at 9030'.
3. Cement was drilled out of the 7" casing from 8962' to 9000' (equivalent to 7 sacks), and the casing was cleaned out to 9000'.
4. The 7" casing was shot-perforated with four 3/8" holes at 8975' for this test, and the test was made as noted above.
5. The column of fluid in the drill pipe consisted of gassy oil.

THE INSPECTOR NOTED:

1. When the drill pipe was removed, gassy oil changing to muddy, oily, water in the bottom 420' was found in the drill pipe above the tester.
2. Water filtered from fluid sample taken from 270' above the bottom of the drill pipe tested 45 grains of salt per gallon.
3. The recording pressure bomb chart showed that the tester valve was open throughout the test.

The test was completed at 7:00 p.m.

THE WATER SHUT-OFF ABOVE THE PERFORATIONS AT 8975' IS APPROVED.

JLW:OH

S/over

R. D. BUSH, State Oil and Gas Supervisor

cc- T. L. Wark

50092 - Joe @ Jensen

Wm. E. Perkes (2)

By *[Signature]*, Deputy

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 1-48279

Los Angeles 15, Calif. June 9, 19 48

Mr. F. C. Foster
Los Nietos, Calif.
Agent for TIDE WATER ASSOCIATED OIL COMPANY

DEAR SIR:

Operations at your well No. "Porter" 40 Sec. 28, T. 3 N., R. 16 W., S. B. B. & M.,
Aliso Canyon Field, in Los Angeles County, were witnessed by
Paul Betts, Inspector, representative of the supervisor,
on May 25, 19 48. There was also present U. G. Simpson, Driller;
W. E. Loper, Derrickman.
Casing Record 13-3/8" cem. 1060'. T. D. 9181'. Junk XXXX

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

- The inspector arrived at the well at 10:30 p.m. and Mr. Simpson reported:
1. A 12-1/4" rotary hole was drilled from the surface to 2025' opened to 17-1/4" from the surface to 1060'.
 2. On March 15, 1948, 13-3/8", 54 lb. casing was cemented at 1060' with 650 sacks of cement.
 3. An 11" rotary hole was drilled from 2025' to 9025'; a 7-7/8" rotary hole, from 9025' to 9181'.

THE INSPECTOR NOTED THAT THE WELL WAS EQUIPPED WITH THE FOLLOWING BLOWOUT PREVENTION EQUIPMENT:

1. A Shaffer double cellar control gate for closing in the well with the drill pipe out of the hole and for closing around the 4-1/2" drill pipe.
2. The controls for the above equipment were located outside the derrick.
3. A 2" mud fill-up line with a 2" high pressure Nordstrom valve into the 13-3/8" casing below the above equipment.
4. An 8-5/8" shut-off gate on the mud discharge line.

The inspection was completed at 10:45 p.m.

THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

PWB:OH

CC- T. L. Wark
Jos. Jensen
Wm. E. Perkes

R. D. BUSH
State Oil and Gas Supervisor

By [Signature] Deputy

STATE OF CALIFORNIA
 DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Report on Proposed Operations

No. P. 1-44712

Los Angeles 15, Calif. March 24, 1948

Mr. F. G. Foster

Los Nietos, Calif.

Agent for TIDE WATER ASSOCIATED OIL COMPANY

DEAR SIR:

Your proposal to drill Well No. "Porter" 40

Section 23, T. 3 N., R. 16 W., S.B.B. & M., Aliso Canyon Field, Los Angeles County, dated Mar. 18, 1948 received March 19, 1948, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES:

"The well is 2659.74 feet S. and 4454.80 feet W. from Station #84.
 Elevation of ground above sea level 2647.51 feet.
 All depth measurements taken from top of Derrick floor, which is 9 feet above ground.
 We estimate that the first productive oil or gas sand should be encountered at a depth of about _____ feet."

PROPOSAL:

"We propose to use the following strings of casing, either cementing or landing them as here-in indicated:

Size of Casing	Weight	Grade and Type	Depth	Landed or Cemented
13-3/8"	54.5#	280 J-55 J-55 H-80	3000'	Cemented
7"	23# & 26#	Speedtite	9000'	Cemented
5"	18#	J-55 Insert	9200'	Landed

"Will be set higher if no loss of circulation is encountered.
 Well is to be drilled with rotary tools.
 It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing."

DECISION:

THE PROPOSAL IS APPROVED PROVIDED THAT

1. Mud fluid consistent with good drilling practice shall be used and the column of mud fluid maintained at all times to the surface, particularly while pulling the drill pipe.
2. Blowout prevention equipment, sufficient to provide a complete close-in of the well under pressure at any time, shall be installed.
3. Any hole to be sidetracked in any oil or gas zone shall be filled with cement, if possible.
4. **THIS DIVISION SHALL BE NOTIFIED AS FOLLOWS**
 - (a) To inspect the installed blowout prevention equipment before drilling below 3000'.
 - (b) To witness a test of the effectiveness of the 7" shut-off.

cc - T. L. Mark
 Jos. Jensen
 Ma. Perkes (2)

w/s

AH:ES

R. D. BUSH

State Oil and Gas Supervisor

Blanket bond.

By E. H. Musser Deputy

DIVISION OF OIL AND GAS
RECEIVED
MAR 19 1948 15

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

037-00727

DIVISION OF OIL AND GAS LOS ANGELES, CALIFORNIA

Notice of Intention to Drill New Well

This notice must be given and surety bond filed before drilling begins

Los Nietos, Calif. March 18 19 48

DIVISION OF OIL AND GAS

Los Angeles, Calif.

In compliance with Section 3203, Chapter 93, Statutes of 1939, notice is hereby given that it is our intention to commence the work of drilling well No. "Porter" #40, Sec. 28, T. 3 N, R. 16 W, S.B.B. & M., Aliso Canyon Field, Los Angeles County. *NMS*
Lease consists of Porter Lease

The well is 2659.74 feet ~~N10~~ S., and 4454.80 feet ~~E10~~ W. from Station #84.
(Give location in distance from section corners or other corners of legal subdivision)

Elevation of ground above sea level 2647.51 feet.

All depth measurements taken from top of Derrick floor, which is 9 feet above ground.

We estimate that the first productive oil or gas sand should be encountered at a depth of about _____ feet.

We propose to use the following strings of casing, either cementing or landing them as herein indicated:

Size of Casing, Inches	Weight, Lb. Per Foot	Grade and Type	Depth	Landed or Cemented
13-3/8"	54.5#	T&C J-55	2000' *	Cemented
7"	23# & 26#	J-55 N-80 Speedtite	9000'	Cemented
5"	18#	J-55 Insert	9200'	Landed

* Will be set higher if no loss of circulation is encountered.

Well is to be drilled with rotary tools. ~~rotary~~

MAP	MAP BOOK	CARDS	BOND	FORMS	
				114	121
18A	NMS				

It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing.

Address Box "Y", Los Nietos, California

TIDE WATER ASSOCIATED OIL COMPANY

(Name of Operator)

Telephone number Whittier 42-043

By *H. T. C. Foster*
Agent