

SGC RES Co
 OPERATOR W. J. ...
 LSE & NO SF 20 88-29
 MAP NO. 250

INTENTION	Convert to GAS STOR	REWORK GAS STOR	REWORK	4	5
NOTICE DATED	1-19-73	8-25-77	9-11-91		
P-REPORT NUMBER	273-59	277-320	291-389		
CHECKED BY/DATE					
MAP LETTER DATED	N/C	N/C	N/C		
SYMBOL	10-22-77				

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE			8-31-77							
HISTORY	10-26-73		10-7-77		9-12-91					
SUMMARY					12-10-91					
IES/ELECTRIC LOG										
DIRECTIONAL SURV.										
CORE/SWS DESCRIP.										
DIPMETER RESULTS										
OTHER										
RECORDS COMPLETE	10-26-73		(2)		BH					

ENGINEERING CHECK		CLERICAL CHECK	
T-REPORTS	<input type="checkbox"/>	POSTED TO 121	<input type="checkbox"/>
OPERATOR'S NAME	<input type="checkbox"/>	170 MAILED	<input type="checkbox"/>
WELL DESIGNATION	<input type="checkbox"/>	FINAL LETTER	<input type="checkbox"/>
LOC. & ELEV.	<input type="checkbox"/>	MAILED	<input type="checkbox"/>
SIGNATURE	<input type="checkbox"/>	RELEASE	<input type="checkbox"/>
SURFACE INSPECTION	<input type="checkbox"/>	BOND	<input type="checkbox"/>
LINAL LETTER OK	<input type="checkbox"/>		

REMARKS: -

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

DIVISION OF OIL AND GAS
RECEIVED

DEC 10 1991

History of Oil or Gas Well

Operator Southern California Gas Company Field Aliso Canyon County Los Angeles
Well Standard Sesnon #29, Sec. 28, T. 3N, R. 16W, S.B. & M. CALIFORNIA
A.P.I. No. 037-00041 Name R.D. Phillips Title Agent
Date November 26, 1991. (Person submitting report) (President, Secretary or Agent)

Signature R.M. Dowell

R. M. Dowell for R. D. Phillips

P. O. Box 3429 Terminal Annex, Los Angeles, CA 90051 (213) 244-2666
(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

1991

- | | |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9-20 | Set in rig pump. Removed lines from casing and well head. Killed and shut in well. |
| 9-23 | Moved in and rigged up. Circulated well and spotted 100 Bbls high viscosity pill. |
| 9-24 | Filled well. Installed back pressure plug. Removed tree and installed BOPE. Tested blind, pipe rams and choke manifold to 4000 psi. Tested annular preventor to 2850 psi. BOPE test waived by Steve Fields with D.O.G. ✓ |
| 9-25 | Replaced packing in donut studs. Pressure tested donut studs to 3000 psi. Released from packer. Began laying down 2-7/8" tubing. |
| 9-26 | Rig down for repairs. |
| 9-27 | Pulled and laid down 259 joints of 2-7/8" J-55 tubing and production equipment. Ran in with bit and scraper on 2-3/8" drill pipe. |
| 9-28 | Finished picking up and running drill pipe to packer at 8042'. Pulled out of well. Made up Otis packer retrieving tool. Ran in well to 7340'. |

Mailed 12/6/91

- 9-30 Ran in well with packer retrieving tool to 8029'. Latched into packer at 8040' and pulled 30,000 lbs over string weight. Released packer. Pulled and laid down packer. Made up 4-1/8" bit on 5" 18# scraper, 116' of 3-1/8" drill collars and 945' of 2-3/8" tubing crossed over to 2-7/8" drill pipe. Ran in well to 8000'.
- 10-01 Ran in well to 9010'. Hit fill at 9067'. Cleaned out to 9072'. Unable to clean out past 9072' (T.D. 9077'). Circulated well clean. Pulled out of well. Made up and ran 5" drillable retainer. Set retainer at 8345'. Pulled up to 8042'.
- 10-02 Ran in well to 8343'. Pressure tested cement retainer to 1200 psi. Changed well over to clean 2% KCl water. Pulled up to 8075' and dumped 1 sack of 8-12 gravel and displaced with 36 Bbls of KCl water. Waited one hour. Ran in and tagged top of sand at 8335'. Pulled out of well. Ran 3-1/8" perforating gun on wireline. Stopped at 8309' (26' high). Ran in well with 4-1/8" mill.
- 10-03 Measured in well with drill pipe and tagged fill at 8322'. Changed well over to polymer fluid. Cleaned out fill to 8337'. Milled up cement retainer and pushed down well to 9055'. Unable to get deeper. Circulated well clean. Pulled to kill string.
- 10-04 Pulled out of well. Ran and set 5" cement retainer on wireline at 8361'. Tested cement retainer to 1200 psi. Ran in well with 1040' of 2-3/8" tubing tail on 2-7/8" drill pipe to 8361'. Changed well over to 2% KCl water with tubing tail at 8346'. Dumped 1 sack of 8-12 gravel and displaced with 34 Bbl KCl water. Pulled to top of 5" liner. Shut well in.
- 10-05 Ran in well and tagged top of sand at 8351'. Pulled out of well. Shot four 3/8" holes from 8330' to 8331'. Pressure holes to 2200 psi. Bled off 450 psi in 20 min. Ran in well with 5" full bore packer with 30' of 2-3/8" tubing tail and 315' of 2-3/8" tubing above tool crossed over to 2-3/8" drill pipe.
- 10-07 With tubing tail at 8334', pumped 50 cu.ft. of 12% HCl/3% HF acid and displaced with 28 Bbls of KCl water. Set packer at 8303' and pumped 50 cu.ft. of acid out holes at 8330'. Final injection rate: 1-1/2 Bbls/min at 1700 psi. Pulled up and placed tail at 8120' and packer at 8087'. Squeezed 25 cu.ft. 6% HCl/1-1/2% HF acid followed by 50 cu.ft. Class "G" cement with fluid loss additives. Final squeeze pressure: 1600 psi at 4 cu.ft./min. Displaced holes by 25 cu.ft. Waited 4 hours on cement. Pulled tool loose and reset packer at 8018'. Could not obtain pressure test on packer and/or unloading tool. Pulled to kill string.

- 10-08 Pulled out of well. Replaced full bore packer with same. Ran in well to 8120'. Packer failed to hold pressure. Pulled out of well. Ran in well with 63' of 2-3/8" tubing tail with drill pipe tester, and 7" full bore packer on 2-7/8" drill pipe. Ran in well to 2569'. Set packer (would not hold pressure). Dropped ball in test sub. Drill pipe would not test.
- 10-09 Located leak in drill pipe on 27th and 28th joint connection. Ran in well with 7" full bore packer and drill pipe tester on 2-7/8" drill pipe with 60' tubing tail below packer and set at 8120'. Attempted to break down holes at 8330'. Failed to achieve breakdown. Pulled out of well to 2193'.
- 10-10 Pulled out of well. Made up 356' of 2-3/8" tubing and full bore packer. Tested to 3000 psi. Ran in well to 8324'. Spotted 50 cu.ft. of acid. Established injection rate of 7 cu.ft./min at 1950 psi. Pulled tubing tail up to 8120'. Mixed and pumped 50 cu.ft. of class "G" cement. Displaced with 39-1/2 Bbls KCl water. Squeezed 36 cu.ft. class "G" cement. Final squeeze pressure: 2560 psi.
- 10-11 Released packer and pulled out of well. Ran in well with 4-1/8" bit on 5" scraper. Tagged top of cement at 8196'. Drilled hard cement from 8196' to 8326'. Pulled to liner top.
- 10-12 Ran in to 8326'. Drilled out cement to 8343'. Circulated well clean at 8351'. Pressure tested squeeze holes at 8330' to 2160 psi for 30 minutes (410 psi bleed off). Pulled out of well. Made up 30' of 2-3/8" tubing tail on 5" full bore packer with 315' of 2-3/8" tubing crossed over to 2-7/8" drill pipe. Ran in well to 8029'.
- 10-14 Ran in well with 5" full bore packer to 8334'. Pressure tested holes at 8330' to 2200 psi for 20 min. Pulled out of well. Ran in well with 4-1/8" mill on four 3-1/8" drill collars, 945' of 2-3/8" tubing and 2-7/8" drill pipe to 8347'. Changed over hole fluid to polymer fluid. Pulled up to 8026'.
- 10-15 Ran in well to 8347'. Milled on 5" bridge plug from 8361' to 8363'. Pushed junk down well to 9035'. Milled for one hour without success. Pulled out of well. Ran in well with 7" RTTS packer with pressure control valve and circulating port to 7998'.
- 10-16 Rigged up flow lines to Gas Co. withdrawal system. Tested lines to 3000 psi. Flowed well for 12 hours.
- 10-17 Ran noise log survey from 8560' to 5000'. Anomaly detected across downhole tools.

- 10-18 Ran noise log survey from 8600' to surface. Anomaly detected across down hole tools.
- 10-19 Installed and pressure tested surface lines to 2000 psi. Placed well on injection for 10 hours. Surface injection pressure: 2620 psi (120 psi over shut in wellhead pressure). Closed down hole and surface valves.
- 10-21 Opened subsurface valve. Ran noise log survey from 8600' to surface. Noise log indicated possible gas movement up above the M-P marker. Pumped 30 Bbls of high vis pill followed by 30 Bbls of polymer fluid. Opened circulating port. Rigged down surface flow lines.
- 10-22 Released packer. Pulled out of well. Ran in well with full bore packer with mechanical circulating port to 7544'. Rigged up flow lines.
- 10-23 Finished rigging up flow lines. Tested flow lines to 3000 psi. Injected gas to provide 1800 psi underbalance. Placed well on withdrawal.
- 10-24 Continued withdrawal from well. Total hours on withdrawal: 17-1/2; Final surface flowing pressure: 850 psi.
- 10-25 Detected leak on surface flow manifold above wellhead. Re-killed well.
- 10-26 Rigged up and tested surface lines to 3000 psi. Placed well on withdrawal for 9 hours. Shut in well.
- 10-27 Ran temperature and noise log surveys. Logs indicated no gas movement behind casing. Pumped 80 Bbls to kill well. Dismantled surface flow line. Released packer.
- 10-28 Bled off 100 psi on drill pipe and casing. Pulled out of well. Made up 4-1/8" mill on 166' of 3-1/8" drill collars and 918' of 2-3/8" drill pipe crossed over to 2-7/8" drill pipe. Ran in well to 9035'. Milled on retainer and pushed it down to 9055'. Milled on retainer at 9055'.
- 10-29 Ran in well to 9055'. Milled on retainer. Cleaned out to 9066'. Mill stopped. Changed over hole fluid to clean filtered KCl water. Pulled out of well to 2782'.
- 10-30 Pulled out of well. Installed shooting flange. Ran Gamma Ray/Neutron collar log from 8900' to 7800'. Made up tubing conveyed perforating guns and ran in well to 3862', filling drill pipe so as to provide 500 psi underbalance.

- 10-31 Ran in well. Ran Gamma Ray/CCL log and correlated guns. Set Otis packer at 8306'. Tested surface lines to 3000 psi. Tested packer to 1000 psi. Dropped bar. No blow or fluid rise to surface. Unsuccessfully attempted to fish drop bar on wireline.
- 11-01 Attempted to fish drop bar. Fill apparently above bar. Pulled packer loose and pulled out of well. All guns fired. Made up 4-1/4" bit on 5" scraper, 3-1/8" drill collars and 2-3/8" drill pipe crossed over to 2-7/8" drill pipe. Ran in well to liner top.
- 11-02 Ran in and tagged fill at 9050'. Cleaned out to 9066'. Pulled out of well laying down drill pipe. Picked up 2-7/8" tubing and ran in well to kill string.
- 11-04 Pulled kill string out of well. Ran and set 7" Otis "BWB" packer on wireline at 8030'. Made up test seals on 2-7/8" 8RD tubing and started in well.
- 11-05 Finished picking up tubing. Latched into packer. Pulled 20,000 lbs over string weight to check latch. Set 10,000 lbs on packer. Tested packer and seals to 1500 psi. Changed 3-1/8" valve on tubing head and tested to 1500 psi. Pulled out of well. Made up production equipment and ran in well Hydrotesting to 4000 psi. Ran in well to kill string.
- 11-06 Finished running tubing. Latched in to packer. Pulled 20,000 lbs over string weight to check latch. Landed with 8,000 lbs on packer. Tested seals and packer to 1500 psi. Removed BOPE. Installed xmas tree. Tested to 5000 psi. Opened Otis "XD" sliding sleeve. Changed fluid over to double inhibited 2% KCl. Released rig.

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT ON PROPOSED CHANGE OF WELL DESIGNATION

Ventura, California

November 6, 1991

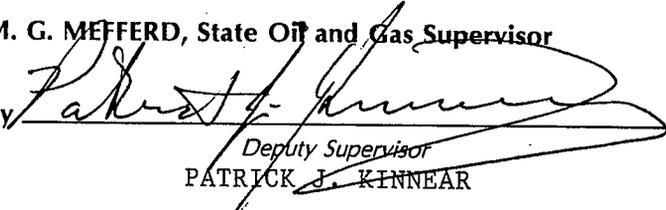
R. D. Phillips, Agent
SOUTHERN CALIFORNIA GAS COMPANY
P.O. Drawer 3249 Mail Location 22GO
Los Angeles, CA 90051-1249

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" SS-11 (037-00763)	"Standard Sesnon" 11 (037-00763)
"SFZU" SS-13 (037-00765)	"Standard Sesnon" 13 (037-00765)
"SFZU" SS-14 (037-00766)	"Standard Sesnon" 14 (037-00766)
"SFZU" SS-16 (037-00768)	"Standard Sesnon" 16 (037-00768)
"SFZU" SS-17 (037-00769)	"Standard Sesnon" 17 (037-00769)
"SFZU" SS-25 (037-00776)	"Standard Sesnon" 25 (037-00776)
"SFZU" SS-29 (037-00741)	"Standard Sesnon" 29 (037-00741)
"SFZU" SS-30 (037-00780)	"Standard Sesnon" 30 (037-00780)
"SFZU" SS-31 (037-00781)	"Standard Sesnon" 31 (037-00781)
"SFZU" SS-44 (037-00788)	"Standard Sesnon" 44 (037-00788)
"SFZU" SS-1-0 (037-22058)	"Standard Sesnon" 1-0 (037-22058)

M. G. MEFFERD, State Oil and Gas Supervisor

By 

Deputy Supervisor

PATRICK J. KINNEAR

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

No. P291- 389
Field Code 010
Area Code 00
New Pool Code 30
Old Pool Code 30

PERMIT TO CONDUCT WELL OPERATIONS
GAS STORAGE

R.D. Phillips, Agent
Southern Calif. Gas Company
810 S. Flower St.
Los Angeles, CA. 90017

Ventura, California
September 17, 1991

Your proposal to rework well "SFZU" SS-29,
A.P.I. No. 037-00041, Section 28, T. 3 N, R. 16W, S.B. B.&M.,
Aliso Canyon field, any area, Sesnon pool,
Los Angeles County, dated 9/11/91, received 9/12/91, has been
examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOG Class III 5M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. Wire line operations are conducted through at least a 5M lubricator.
4. This office shall be consulted before initiating any changes or additions to this proposed operation, or if operations are to be suspended.
5. THIS DIVISION SHALL BE NOTIFIED:
 - a. To inspect the installed blowout prevention equipment before commencing downhole operations.
 - b. Witness Noise Log after remedial work.

Blanket Bond
SF:ljk

Engineer Steve Fields
Phone (805) 654-4761

M.G. MEFFERD, 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.
OG111

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
<u>BB</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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 "A-3U" SS-29 ~~Standard Sesnon #29~~, API No. 037-00041
(Well designation)

Sec. 28, T. 3^N, R. 16W, S. B.B. & M., Aliso Canyon Field, Los Angeles County.

DIVISION OF OIL AND GAS
RECEIVED

The present condition of the well is as follows:

1. Total depth 9790', plug at 9094'.

SEP 12 1991

2. Complete casing record, including plugs and perforations (present hole)

VENTURA, CALIFORNIA

0'-1042' 11-3/4" Cemented 1042'
0'-8180' 7" Cemented 8180' WSO at shoe
8075'-9077' 5" Landed 9077' top 8075' cemented 8725', Slotted 120 mesh,
9077'-8727' Squeezed 8700'-8705' (WSO). Perforation
Intervals: 8456'-8502', 8528'-8552'
8602'-8638', 8658'-8668'
8674'-8694'

3. Present producing zone name Sesnon; Zone in which well is to be recompleted _____

4. Present zone pressure 3450 psig; New zone pressure _____

5. Last produced Gas Storage Operation
(Date) (Oil, B/D) (Water, B/D) (Gas, Mcf/D)

(or)
Last injected Gas Storage Operation
(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:

1. Move in, rig up, kill well and, install and pressure test BOPE.
2. Pull and lay down 2-7/8" tubing.
3. Retrieve 7" packer.
4. Clean out well and run casing inspection log.
5. Perforate intervals: 8428'-8436', 8454'-8502', 8522'-8560', 8602'-8636', 8660'-8668', 8674'-8694', 8727'-8737', 8750'-8760', 8810'-8820'.
6. Shoot holes and cement squeeze casing shoe leak.
7. Flow and noise log well.

Note: If well is to be redrilled, show proposed new bottom-hole coordinates and true vertical depth.

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)

Southern California Gas Company
(Name of Operator)
By J. B. Lane for R. D. Phillips (Agent)
(Name - Printed)

Telephone Number (213) 689-3925

[Signature] 11 SEP 91
(Name - Signature) (Date)

Type of Organization Corporation
(Corporation, Partnership, Individual, etc.)

NOTICE OF INTENTION TO REWORK WELL

DIVISION OF OIL AND GAS

Supplemental page

Well Name: Standard Sesnon #29

API. NO.: 037-00041

The proposed work is as follows (con'd):

8. Install 7" packer.
9. Install 2-7/8" tubing, remove BOPE and install wellhead.
10. Return well to service.

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

DIVISION OF OIL AND GAS
RECEIVED

OCT 7 1977

History of Oil or Gas Well

SANTA PAULA, CALIFORNIA

Operator Southern California Gas Company Field or County Aliso Canyon
Well name and No. STANDARD SESNON #29, Sec. 28, T 3N, R 16W, S. B.B. & M.
A.P.I. well No. 037-00041 Name P. S. Magruder, Jr. Title Agent
Date September 24, 1977. (Person submitting report) (President, Secretary or Agent)

Signature P. S. Magruder, Jr.

P.O. Box 3249 Terminal Annex, Los Angeles, Ca., 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 | |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8-27-77 | Moved California Production Service Rig #M 28 from Standard Sesnon #24 location. Circulated hole volume to work gas out of drilling fluid. |
| 8-28-77 | Rig and crew idle. |
| 8-29-77 | Installed plug in doughnut; removed tree; installed 8" Class III B.O.P.E. and tested with water and nitrogen as follows:

Hydril 3000 psi 20 minutes - O.K.
Pipe Rams 4000 psi 20 minutes - O.K.
Blind Rams " " " " - O.K. |
| 8-30-77 | Released Camco hydrostatic packer and Baker locator seal assembly. Pulled out of well tallying tubing. Started back into well. Took gas kick. Killed well. Made up Baker milling tool on Baker junk basket, Bowen hydraulic jars and three 20' 2 3/8" drill collars. Ran tubing to top of liner.
NOTE: There was 40' of fine sand inside the tubing string above tubing plug at base of S4 sand. |
| 8-31-77 | Milled over and recovered Baker 5" Model "D" packer. Mde up Robison 7" casing scraper and 6 1/8" bit and ran to 8075'. Started out of hole. |
| 9-1-77 | Pulled 7" casing scraper and 6 1/8" bit out of well. Ran 5" scraper and 4 1/8" bit to 9072'. (Cleaned out hard asphalt foundation from 9026' -9072'). Started out of well with 4 1/8" bit and scraper. Power tongs broke down - ordered set from H. & H. Started out of well again and their power tongs failed. |
| 9-2-77 | Finished pulling 4 1/8" bit and 5" scraper out of well. Ran Johnston 5" Retrievable bridge plug and set at 8425'. Pressured plug and pumped fluid away under 1450 psi. Pulled Retrieving tool. Ran Johnston 5" 18# Bob Cat packer to 8375'. Set and pressured 5" bridge plug to 1500 psi 10 minutes; held O.K. |

9-3-77 Pressure tested annulus...(retainer at 8425') to 2500 psi - held O.K. Released retrievable retainer and pressured casing to 2500 psi - held O.K. Displaced polymer mud from well with fresh water treated with surface tension agent. Pulled 5" retrievable retainer out of well - ran 7" retainer to 3800' and pressure tested as follows:

3800'	to	8425'	at	2500 psi	for	60 minutes
3800'	"	Surface	"	2700 psi	"	60 "
3300'	"	"	"	2900 psi	"	60 "
2900'	"	"	"	3100 psi	"	60 "

All above tests O.K.

9-4-77 Rig and crew idle.

9-5-77
(Holiday) Rig and crew idle.

9-6-77 Continued pressure testing casing, as follows:

2500'	to	Surface	with	3300 psi	for	60 minutes
2000'	"	"	"	3700 psi	"	60 "
1100'	"	"	"	4000 psi	"	60 "

Above tests O.K.

Pulled out of well with 7" retainer. Ran tubing in hole to retrieve 5" 18# bridge plug.

9-7-77 Retrieved Johnston 5" 18# retrievable bridge plug. Changed out tubing collars and Baker sealed tubing pins. Using GO-International, set Otis 5" Permatrieve wireline packer at 8415'.

9-8-77 Made up Otis seal assembly; 2 3/8" x 10' blast joint; 2 3/8" x 1.56" NO-GO nipple; 2 3/8" x 20' blast joint; Otis annular flow safety system and tested to 5000 psi. Ran tubing to 8415' hydrotesting to 5000 psi and latched into Otis packer. Pulled 25,000# over tubing weight on packer (67,000# gross weight) and landed with 7000# set-down weight on packer. Installed back-pressure valve in doughnut. Removed B.O.P.E. and installed Christmas tree.

9-9-77 Tested Xmas tree to 5000 psi. Displaced polymer drilling fluid with lease salt water. Set Otis 1.56" blanking plug in "NO-GO" nipple at 9405'. Pressure tested packer and seals under 2000 psi. (Held O.K.). Released rig.

REPORT ON PROPOSED OPERATIONS

..... Santa Paula,, California

..... Sept. 1, 1977

Mr. P. S. Magruder, Jr., Agent

So. Calif. Gas Co.

P.O. Box 54790 Terminal Annex

Los Angeles, Calif. 90024

Your proposal to rework well "SFZU" SS-29
(Name and number)

....., A.P.I. No. 037-00041, Section 28, T. 3N, R. 16W

..... S.B. B. & M., Aliso Canyon field, Los Angeles County,

dated 8-25-77, received 8-31-77, 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. The BOPE and choke system shall be tested under a pressure of at least 1500 psi.
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

By M. G. MEFFERD
State Oil and Gas Supervisor
John L. Hardoin
Deputy Supervisor

..... John L. Hardoin

AUG 31 1977

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.

SANTA ANA, 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. STANDARD SESNON #29, API No. -, Sec. 29, T. 3S, R. 16W, S.B. B. & M., Aliso Canyon Field, Los Angeles County.

The present condition of the well is as follows:

- Total depth. 9790' - plug at 9094'
- Complete casing record, including plugs and perforations:
 - 11 3/4" cemented 1042'
 - 7" cemented 8170', WSO on shoe
 - 1002' 5" landed 9077', top 8075', cp'd 8725', WSO on lap
 - slotted 9077'-8727'
 - squeezed 8700' - WSO 8705'
 - perforated at intervals 8694'-8456'

- Present producing zone name SESNON & FREW Zone in which well is to be recompleted -
- Present zone pressure 3650 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 and rig up. Kill well. Install B.O.P.E. and pressure test.
- Pull tubing and packer. Mill over and recover packer.
- Clean out to 9077'. Pressure test 5" and 7" casings.
- Perform any remedial work indicated by pressure testing.
- Ran packer. Run tubing with down-hole safety system.
- Return well to gas storage service.

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) 8-25-77
Type of Organization Corporation
(Corporation, Partnership, Individual, etc.)

AUG 31 1977

STANDARD SESNON #29 - ALISO CANYON

Program to replace packer, pressure test casing and install new wellhead safety system.

CASING WITHDRAWAL AND INJECTION

Take all measurements from original derrick floor 6.92' above ground.

PRESENT CONDITION:

11 3/4" cemented 1042' 42# H-40
7" cemented 8170', WSO on shoe
1002' 5" landed 9077', T.D., 9790', plugged
with cement to 9094', cp'd 8725', top 8075'
Slotted 9077' - 8727', WSO on lap
Water not shut off 8710', squeezed, WSO 8705'
Perforated 8694' - 8674'
8668' - 8658'
8638' - 8602'
8552' - 8528'
8502' - 8456'
18# J-55 flush joint

CASING DETAILS:

7" 0 - 974' 23# N-80
974' - 4452' 23# J-55
4452' - 6494' 23# N-80
6494' - 8170' 26# N-80
5" 8075' - 8725' 18# J-55

100% Safety Factor

BURST	COLLAPSE
6340	4300
4360	3290
6340	4300
7240	5320
7000	6530

TUBING DETAIL:

Baker Model "D" packer 8517' (5")
Camco hydrostatic packer 8421' (5")
2 3/8" and 2 7/8" 8rd EUE J-55 landed 8522'
Camco 1.81" "NOGO" nipple 8518' (plug in place)
2 3/8" Otis polished nipple 8505'
2 3/8" slotted tubing 8503' - 8483'
Otis X nipple 2 3/8" 8482'
Otis polished nipple 8478'
2 3/8" slotted tubing 8476' - 8456'
Otis X nipple 2 3/8" 8455'
Otis X nipple 2 3/8" 8390'
Camco sliding sleeve 8359' (open)
Otis X nipple 2 7/8" 8017'
4 Camco gas lift mandrels with valves
2 3/8" tubing to 8048', 2 7/8" to surface

PROGRAM:

1. Move in and rig up. Pressure test wellhead seals to 4000 psi.
2. Kill well with 74#/cu. ft. brine polymer drilling fluid. Check bottom hole pressure before moving in rig. Volume of well = 360 barrels.
3. Install back pressure valve in doughnut. Remove Xmas tree and install class III 5000 psi BOPE. Pressure test complete shut-off rams and pipe rams to 4000 psi with water and nitrogen.
4. Unseat Camco hydrostatic packer (turn to release) and pull tubing. If necessary cut tubing to recover packer. Mill over and recover Model "D" packer at 8517'.
5. Run 6 1/8" bit and casing scraper. Clean out to top of 5" liner at 8075'. Run 4 1/8" bit and casing scraper. Clean out to 9077'.
6. Set bridge plug at 8425' and test with rig pump. Circulate out polymer drilling fluid with fresh water treated with surface tension agent. pressure test casing, using cement retainer and cement pump truck equipped with calibrated pressure chart and pressure gauge, as follows:

3800'	to	8425'	with	2500 psi	for	60 minutes
3800'	"	Surface	"	2700 psi	"	60 "
3300'	"	"	"	2900 psi	"	60 "
2900'	"	"	"	3100 psi	"	60 "
2500'	"	"	"	3300 psi	"	60 "
2000'	"	"	"	3500 psi	"	60 "
1100'	"	"	"	4000 psi	"	60 "

Change to polymer drilling fluid.

7. Perform any remedial work indicated by pressure testing. Pull bridge plug at 8425'.
8. Run Otis Permatrieve packer on wire line and using reference collars set packer near 8430'. Do not set packer in a collar.
9. Run 2 3/8" and 2 7/8" tubing, change collars, clean pins, apply Baker seal, and hydrotest to 5000 psi holding each test for one minute. Tubing to include:

Otis production tube
 " 4 seals
 " Latch-in-locator
 " 10' heavy wall tube
 " 1.56" "NOGO" nipple with 2 3/8" threads
 " 20' heavy wall tube
 " annular flow safety system
 2 3/8" tubing to 8000'
 2 7/8" tubing to surface with top
 500' N-80 tubing

10. Land tubing on packer with up to a maximum of 10,000 pounds on packer - pull 25,000 pounds over weight of tubing to check latch.

PROGRAM: (Concluded)

11. Set back pressure valve in doughnut. Remove BOPE and reinstall Xmas tree. Pressure test Xmas tree to 5000 psi.
12. Circulate brine polymer drilling fluid out of well with waste salt water. Set tubing plug in "NOGO" nipple. Pressure test seals and packer to 2000 psi. Pull tubing plug and release rig.

G. C. ABRAHAMSON
August 25, 1977

cc: Rig Supervisor
Contract Pusher (2)
Relief Rig Supervisor
Book Copy

B. Jones
D. Smiley
J. Melton
D. Justice)
M. Grijalva)

Division of Oil and Gas ✓

Well File
Spare Copy

DIVISION OF OIL AND GAS

NOTICE OF RECORDS DUE

Santa Paula Calif.

September 27, 1973

MR. P. S. Magruder, Jr. Agent
Pacific Lighting Service Co.
P O Box 54790, Terminal Annex
Los Angeles, California 90054

In accordance with Division 3 of the Public Resources Code of California the following records are due, covering the notice to convert to gas storage, dated Jan. 19, 1973 of your well(s) No. "SFZU" SS-29 Sec. 28, Tp. 3N, R. 16W, S.B. B. & M., Aliso Canyon (Field or County)

- Well summary (Form 100)
- Drillers log (Form 101) NOTE: Not required if electric log is filed.
- Core record (Form 101)
- History (Form 103)
- Electric log: One copy each, 1" = 50 ft. and 1" = 100 ft.
- Production report (Form 110) for months of
- Other

These records should be submitted in duplicate as soon as possible. Please be sure that the records are signed in the spaces provided.

a

[Signature]
Deputy Supervisor

DIVISION OF OIL AND GAS

History of Oil or Gas Well

OPERATOR Pacific Lighting Service Co. FIELD Aliso Canyon
 Well No. SFZU SS-29, Sec. 28, T. 3N, R. 16W, SB B. & M.
 Date October 19, 1973 Signed *P. S. Magruder, Jr.*
P.O. Box 54790, Terminal Annex P. S. Magruder, Jr.
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

1973

2-2

to

2-5

Moved in California Production Service and rigged up. Mixed Brine Polymer workover fluid and killed well. Installed and tested Class III BOPE.

2-6

Pulled tubing and packer. Ran 4-1/8" bit and 5" casing scraper. Hit fill at 8970'. Cleaned out sand bridges and tagged bottom at 9074'. Circulated on bottom for 2 hours.

2-7

Ran 7" casing scraper and tagged top of liner at 8082'. Rigged up Dresser Atlas. Ran Cement Bond log 7950-9056', Densilog 8294-8788', and Neutron Lifetime/Gamma Ray logs 8280-9050'.

2-8

Made up and ran Baker model "C" bridge plug on fullbore packer, set bridge plug at 8065'. Set fullbore at 8025' and tested bridge plug with 1910 psi for 15 minutes, OK. Pulled up and set fullbore at 3444'. Tested 3444-8065' with 2060 psi for 15 minutes, OK. Tested from surface to 3444' with 2550 psi for 15 minutes, OK. Pulled up and set fullbore at 2341'. Tested from surface to 2341' with 3000 psi for 15 minutes, OK. Set fullbore packer at 1180' and tested from surface to 1180' with 3550 psi for 15 minutes, OK. 7" casing, OK. Ran in from 1180' and retrieved bridge plug. Rigged up Dresser Atlas. Jet perforated four 0.31" holes per foot 8528-8552', 8602-8638', 8658-8668', and 8674-8694'. Used 11 gram charges and 3-1/2" hollow carriers.

2-9

Made up and ran Johnston tester and bridge plug. Set bridge plug at 8715'. Pulled up and set test tool at 8486' with tail to 8511'. Opened tool at 11:12 a.m. Strong blow building to 142 psi at end of test. Closed tool at 12:32 p.m. Recovered bridge plug and reset same at 8580'. Set test tool at 8480' with tail to 8505'. Opened tool at 1:10 p.m. Light to medium blow throughout one hour test.

1973

Reset bridge plug at 8515'. Started out of hole with tester. Fluid heading out of tubing 5918' above tester. Dropped bar but backscuttle valve failed to open. Continued pulling tester and turning heading fluid to tanks. Total fluid rise approximately 300' of thin, oily, gas cut workover fluid and 5600' of gas cut oil. Recovered fine sand in test tool. Charts showed first test OK; IH 3773 psi, IF 511 psi, FF 1113 psi, FH 3763 psi. Plugged tool on second test. Rigged up Dresser Atlas and jet perforated four 0.31" holes per foot 8456-8502'. Used charges and carriers as above.

- 2-10 Made up and ran Johnston tester. Set packer at 8436' with tail to 8454'. Opened tool at 10:37 a.m. Shut in at surface after 5 hour clean up flow.
- 2-11 Idle
- 2-12 Opened surface valve for final flow at 6:20 a.m. Flowed S-4 zone for 12 hours. Maximum rate 2.7 M²cf/D. Shut in at tool at 6:20 p.m.
- 2-13 Pulled tester loose. Ran in to retrieve and relocate bridge plug in preparation to retest perforations 8528-8552'. Could feel no fill and had no apparent difficulty latching onto bridge plug. Could not pull plug loose and could not back tester off of plug. Jarred for 5 hours with no results. Dropped bar. Backscuttled and conditioned mud above 8305'. Rigged up McCullough and made chemical cut at 8297'. Pulled out leaving 213' of fish and bridge plug in hole.
- 2-14 Made up fishing tools consisting of overshot for 2 3/8" tubing, four 3-3/4" drill collars, bumper sub, and jars. Ran in to 8297' and latched onto fish. Jarred loose. Pulled out of hole with tubing and test tools leaving bridge plug only in hole. Sand in Tester. Charts OK. IH 3729 psi, IF 1305 psi, FF 1425 psi, ISI 1471 psi, FSI 1476 psi, FH 3754 psi.
- 2-15 Ran overshot for bridge plug retrieving neck. Circulated out small amount of sand on top of plug but could make no hole with overshot. Pulled out and ran Johnston tungsten carbide toothed retrieving tool. Circulated and drilled with tongs. Latched onto and released bridge plug. Pulled out without plug.
- 2-16 Ran overshot, bumper sub, and jars. Found bridge plug at 9039'. Latched onto and recovered plug. Changed tubing line.
- 2-17 Made up and ran Johnston bridge plug and tester. Set bridge plug at 8578'. Pulled up and set tester at 8516' with tail to 8535'. Opened tool at 1:00 p.m. Shut in at surface during entire test. Closed tool at 3:00 p.m. Dropped bar and backscuttled approximately 10 bbls. of gas cut oil. Estimated fluid rise 2076'. Pulled tester. Sanded up but charts OK. IH 3728 psi, IF 231 psi, FF 776 psi, FH 3739 psi.
- 2-18 Idle

1973

- 2-19 Ran 7" bridge plug to 8065'. Closed rams and tested plug with 1050 psi for 10 minutes. Removed BOPE and tubing head. Rigged up casing jacks and 7" spear. Unlanded 7" casing. Cut and removed 11-3/4" casing head. Welded extension on 7" casing.
- 2-20 X-rayed 7" weld, OK. Welded on new 11-3/4" 5000 psi casing head. X-rayed OK. Relanded 7" casing with 171,000 lbs. Installed new seal flange and tubing head. Tested seals with 3500 psi.
- 2-21 Re-installed BOPE and tested with 1250 psi. Retrieved 7" bridge plug from 8065'. Ran 5" bridge plug and squeeze packer.
- 2-22 Set bridge plug at 8525' and packer at 8436'. Pumped 276 bbls. Halliburton Claylok and 276 bbls. KCl through perforations 8456-8502'. Pulled tools. Retrieved 5" Johnston bridge plug from 8578'. Ran 5" bridge plug and squeeze packer.
- 2-23 Set bridge plug at 8659' and packer at 8525'. Pumped 360 bbls. Halliburton Claylok and 360 bbls. KCl through perforations 8528-8552' and 8602-8638'. Attempted to treat perforations 8658-8668' and 8674-8694'. Unable to pump into formation with 3500 psi.
- 2-24 Ran Baker model "D" packer on wireline and set same at 8517'. Started in hole with completion string including 2-3/8" x 5" Camco HRP-1-SP packer, 2-3/8" Page RTL safety valve, and 1/4" control line.
- 2-25 Idle
- 2-26 Continued running completion string. Hydro-Tested 2-7/8" tubing to 5000 psi. Spaced out and landed tubing with 9000 lbs. on model "D". Tested 1/4" control line through doughnut with 5000 psi.
- 2-27 Removed BOPE and installed production head. Tested seals with 5000 psi. Displaced 310 bbls. workover fluid with lease salt water through circulating sleeve. Ran NO-Go plug into Camco landing nipple at 8517' and closed circulating sleeve. Pressured tubing to set Camco packer at 8422'. Opened S-4 production sleeve.
- 2-28 Unloaded 200 bbls. salt water with nitrogen. Blew down tubing and casing. Tore out CPS. Well ready for gas lift and production line hookups.

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS No. P 273-59

Mr. P. S. Magruder, Jr. Agent
Pacific Lighting Service Co.
P O Box 54790, Terminal Annex
Los Angeles, California 90054

Santa Paula Calif.
February 8, 1973

DEAR SIR:

(037-00041)

Your proposal to convert to gas storage Well No. "SFZU" SS-29
Section 28, T. 3N, R. 16W, S.B. B. & M., Aliso Canyon Field, Los Angeles County,
dated 1/19/73, received 2/2/73, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT NONE OF THE PROPOSED PERFORATIONS BE ABOVE 8710'.

Blanket Bond
ALL:a
cc: Operator

JOHN F. MATTHEWS, Jr., State Oil and Gas Supervisor

By W.P. Ritzius, Deputy

DIVISION OF OIL AND GAS

Notice of Intention to Deepen, Redrill, Plug or Alter Casing in Well

This notice must be given before work begins; one copy only

DIVISION OF OIL AND GAS
RECEIVED
January 19, 1973
FEB 2 1973

Los Angeles Calif. January 19, 1973

DIVISION OF OIL AND GAS

In compliance with Section 3203, Chapter 93, Statutes of 1939, notice is hereby given that it is our intention to commence the work of deepening, redrilling, plugging or altering casing at Well No. SFZU SS29 SANTA PAULA, CALIFORNIA
(Cross out unnecessary words)

Sec. 28, T. 3N, R. 16W, SB B. & M.
Aliso Canyon Field, Los Angeles County.

The present condition of the well is as follows:

- 1. Total depth. 9790'; Pg. 9094'
- 2. Complete casing record, including plugs:

11-3/4", 42# C 1042'
 7" 23# & 26# C 8170'; WSO out shoe, 8180'*
 1002'-5", 18# L 9077'
 Pf: 8727'-9077' (120M x 12R x 6"C)
 TLH 8075'
 WSO - 8705'*

* Approved by D.O.G.

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

The proposed work is as follows:

Jet perforate four 1/2" holes per foot and/or reperforate 2-1/2" holes per foot in the Sesnon zone as required to convert well to a gas storage well.

MAP	MAP	MAP	MAP	FORMS
				156
				121
				<input checked="" type="checkbox"/>

ASB

P. O. Box 54790, Terminal Annex
Los Angeles, California 90054

(Address)

(213) 689-3561

(Telephone No.)

Pacific Lighting Service Company

(Name of Operator)

By ASB Maguaduf

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 23, 1968

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

DEAR SIR:

Your requested letter dated August 26, 1968, relative to change in designation of well(s) in Sec. 28, 29, T. 3 N., R. 16 W., S. B. 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:

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 in Designation

Sec. 28:

<u>Old Designation</u>		<u>New Designation</u>
"Standard-Sesnon 1"	1	"SFZU" SS-1 (037-00754)
"	2	" SS-2 (037-00755)
"	3	" SS-3 (037-00756)
"	5	" SS-5 (037-00758)
"	6	" SS-6 (037-00759)
"	7	" SS-7 (037-00760)
"	8	" SS-8 (037-00761)
"	9	" SS-9 (037-00762)
"	11	" SS-11 (037-00763)
"	13	" SS-13 (037-00765)
"	14	" SS-14 (037-00766)
"	16	" SS-16 (037-00768)
"	17	" SS-17 (037-00769)
"	24	" SS-24 (037-00770)
"	25	" SS-25 (037-00776)
"	29	" SS-29 (037-00041)
"	30	" SS-30 (037-00780)
"	31	" SS-31 (037-00781)
"	44	" SS-44 (037-00788)

Sec. 29:

<u>Old Designation</u>		<u>New Designation</u>
"Standard-Sesnon 1"	4	"SFZU" SS-4 (037-00757)
"	10	" SS-10 (037-00040)
"	12	" SS-12 (037-00764)

FEB 17 1954

DIVISION OF OIL AND GAS

LOS ANGELES, CALIFORNIA

WELL SUMMARY REPORT

Operator TIDE WATER ASSOCIATED OIL COMPANY Field ALISO CANYON
Well No. "Standard-Season 1-#29" Sec. 28, T. 3 N, R. 16 W, S. 8 B. & M.
Location 750' South and 6100' West of Station #81 Elevation of ground above sea level 2016.77 feet.
All depth measurements taken from top of damask floor, which is 6.92 feet above ground.

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 February 11, 1953 Signed J. E. Weaver
J. E. Sawyer (Engineer or Geologist) G. O. Sumner (Superintendent) Title Agent (President, Secretary or Agent)

Commenced drilling April 26, 1953 Completed drilling September 11, 1953 Drilling tools Cable Rotary
Total depth 9790' Plugged depth 9094' GEOLOGICAL MARKERS DEPTH

Junk	DEPTH

Commenced producing September 29, 1953 Flowing/~~gas lift/pumping~~
(date) (cross out unnecessary words)

On gas lift 10/8/53
10/25/53 Initial production
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
<u>165</u>	<u>20.0</u>	<u>3.0%</u>	<u>131</u>	<u>50#</u>	<u>900#</u>
<u>49</u>	<u>19.5</u>	<u>7.0%</u>	<u>45</u>	<u>100#</u>	<u>925#</u>

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 Drilled	Number of Sacks of Cement	Depth of Cementing if through perforations
<u>11-3/4"</u>	<u>1042'</u>	<u>0'</u>	<u>42 & 47#</u>	<u>New</u>	<u>Seamless</u>	<u>W-40 J-55</u>	<u>15"</u>	<u>650</u>	
<u>7"</u>	<u>8180'</u>	<u>0'</u>	<u>23 & 26#</u>	<u>New</u>	<u>Seamless</u>	<u>J-55 J-55</u>	<u>10-5/8"</u>	<u>550</u>	
<u>5"</u>	<u>9077'</u>	<u>9075'</u>	<u>19#</u>	<u>New</u>	<u>Seamless</u>	<u>11-80 P.S.</u>	<u>6-1/8"</u>	<u>100</u>	<u>8725'</u>

PERFORATIONS

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
<u>5"</u>	<u>8727'</u> ft.	<u>9077'</u> ft.	<u>120 Mesh</u>	<u>12</u>	<u>6"</u>	<u>6" Undercut by Pacific</u>
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

DIVISION OF OIL AND GAS

FEB 17 1954

History of Oil or Gas Well

LOS ANGELES, CALIFORNIA

OPERATOR TIDE WATER ASSOCIATED OIL COMPANY FIELD ALISO CANYON

Well No. Standard Section 1 #29, Sec. 28, T. 3 N, R. 16 W, S. B. B. & M.

Signed J E Weaver

Date February 11, 1954 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

1953

LOCATION: 750' South and 6100' West of Station #84

1953

ELEVATION: 2848.77' Nat
2855.69' Derrick Floor

3/3-4/25

Surveying location, moved in equipment to start grading, graded road and rig site, dug rat hole and cellar, built foundation forms, oil roads, poured foundation concrete, erected derrick, installed sub-base, rigged up rotary.

4/26

Spudded 15" hole at 5:00 AM and drilled to 201'.

4/27-5/1

Drilled 15" hole from 201' to 1006'. Reduced size of hole to 10-5/8" and drilled to 1115'.

5/2

Drilled 10-5/8" hole from 1115' to 1234'.

5/3

Reamed and opened hole to 1042'.

5/4

Ran and cemented 11-3/4" T & C Youngstown casing at 1042' with 550 sacks Colton construction cement, first and last 100 sacks treated with quick setting chemical. Bottom 43' is 47# J-55 and remainder is 42# H-40. Pressure rose from 200-400' when plugs bumped. Time 5:15 AM. No circulation in latter stages of operation. Pumped in 100 sacks around outside of casing which filled to surface. B.J. Service

5/5

Installed cellar connections. Cleaned out cement from 1042' to 1234'.

5/6

Drilled 10-5/8" hole from 1234' to 1387'. Lost circulation while drilling at 1285'. Regained with hulls and gel.

5/7

Drilled 10-5/8" hole from 1387' to 1394'. Lost circulation while drilling at 1394'. Hung drill pipe at 1380' and pumped in 150 sacks Colton construction cement. Went in with bit and found no cement. Hung drill pipe at 1380' and pumped in 100 sacks Colton construction cement. Found top of cement at 1325'.

5/8

Drilled 10-5/8" hole from 1394' to 1520'. Lost circulation at 1394'. Regained with hulls and gel.

5/9

Drilled 10-5/8" hole from 1520' to 1725'. Lost circulation at 1725'. Regained with hulls and gel.

5/10-5/11

Drilled 10-5/8" hole from 1725' to 2384'. Lost circulation while drilling at 2350'. After 9-1/2" hours recovered circulation with hulls and gel.

5/12-5/14

Drilled 10-5/8" hole from 2384' to 3398'. Lost circulation while drilling at 3398'. Hung drill pipe at 1217' and pumped in 100 sacks Colton construction cement. Found top of cement at 1320'. Hung drill pipe at 1217' and pumped in 100 sacks Colton construction cement.

5/15

Attempting to regain lost circulation.

5/16

Drilled 10-5/8" hole from 3398' to 3504'.

OPERATOR: TIDE WATER ASSOCIATED OIL COMPANY
WELL NO.: Standard-gesnon 1-#29, Aliso Canyon Field

FEB 17 1954

Page 2
LOS ANGELES, CALIFORNIA

1953
5/17 Lost circulation. With drill pipe hanging at 1400', pumped in four batches (100 sacks each) Colton construction cement.
5/18 Lost circulation. Hung drill pipe at 1407' and pumped in 100 sacks Colton construction cement. Found top of cement at 1320'. Hung drill pipe at 1314' and pumped in 100 sacks Colton construction cement. Found top of cement at 1240'.
5/19 Drilled 10-5/8" hole from 3504' to 3566'. Lost circulation and stuck drill pipe at 1658'. Spotting oil.
5/20 Backed off drill pipe at 1158'. Washing over at 1206'.
5/21 Washing over fish at 1445'.
5/22 Made cut at 1536' and recovered 187' of fish.
5/23 Washed over fish at 1616' which fell down hole. Located top at 2046'.
5/24 Recovered fish. Unable to maintain circulation. Hung drill pipe at 1470'. Pumped in 100 sacks Colton Hi-temperature cement. Found top of cement at 1460'. Hung drill pipe at 1314'. Pumped in 150 sacks Colton construction cement. Found top at 1254'. Hung drill pipe at 1232' and pumped in 75 sacks Colton construction cement. Found top at 1232'. Hung drill pipe at 1232' and pumped in 75 sacks Colton construction cement. Found top of cement at 1198'.
5/25 Cleaned out cement from 1198' to 1397' when lost circulation. In six operations, by hanging drill pipe from 1397' to 1520', pumped in 600 sacks Colton construction cement. After last cement job, found top of cement at 1061'. Lost circulation while drilling out at 1450'.
5/26 Pumped in 900 sacks treated construction cement in stages from 1520' to shoe. With cement cleaned out 1' below shoe, 1043', hung drill pipe at 1029' and pumped in 100 sacks treated construction cement. Closed rams and squeezed. Final pressure 1000#. Located top of cement at 1043'. Held 950# pressure O.K.
5/27 Cleaned out cement from 1043' to 1350' in 50' stages, which held 500# O.K. until lost circulation at 1350'. Hung drill pipe at 1350' and pumped in 150 sacks treated Colton construction cement. Found top of cement at 1050'. Drilled out cement to 1359' when lost circulation. Hung drill pipe at 1350' and pumped in 50 sacks treated Colton construction cement. Found top of cement at 1310'.
5/28 Cleaned out cement from 1310' to 1600'. Cleaned out at 3200' with full circulation.
5/29 Cleaned out to 3567'. Started out of hole to 3350', then backed down to 3417' and circulated. Lost circulation and stuck drill pipe. Spotted 110 barrels of oil but could not work pipe free.
5/30 Ran Magnatector and backed off 4" drill pipe at 1262'.
5/31 Top of 4-1/2" drill pipe at 1262'. Washed over drill pipe to 1383'. Cut and recovered 98' of drill pipe. Top of fish at 1360'. Washed over to 1410' and lost circulation.
6/1 Top of 4-1/2" drill pipe fish at 1360'. With drill pipe hanging at 1337', pumped in a mixture of 25 sacks Bentonite, 28 sacks Aquagel and 25 barrels Diesel oil. Final pressure 200#. Cleaned out to top of fish with bit. Washed over fish to 1437' when lost circulation.
6/2 Regained circulation with Kellseal, rice hulls and feathers. Washed over drill pipe fish from 1360' to 1563' and made cut #2 at 1548'. Recovered 188' of fish.
6/3 Washed over drill pipe fish to 1862'. Cut and recovered 313'.
6/4 Cut and recovered 315' of drill pipe fish. Top now at 2176'.
6/5 Washed over drill pipe fish to 2504'. Cut and recovered 308'. Top of fish at 2484'. Washed over drill pipe fish at 2815'. Cut and recovered 317'. Top of fish at 2801'.
6/6 Washed over drill pipe fish to 3120'. Cut and recovered 310'. Top of fish at 3111'.

OPERATOR: TIDE WATER ASSOCIATED OIL COMPANY

WELL NO.: Standard-Sesnon 1-#29, Aliso Canyon Field

FEB 17 1954

Page 3

LOS ANGELES, CALIFORNIA

1953

- 6/7 Washed over drill pipe fish to 3300'. Cut and recovered 189'. Top of fish at 3300'. Remainder of fish in hole, a single and two drill collars.
- 6/8 Washed over drill collars to 3342'.
- 6/9 Recovered remainder of fish. Cleaning up fish and tools.
- 6/10 Drilled 10-5/8" hole from 3566' to 3605'.
- 6/11-22 Drilled 10-5/8" hole from 3605' to 5672'. Repaired brake.
- 6/23-24 Drilled 10-5/8" hole from 5672' to 6008'. Ran Schlumberger electric log at 5948' and took sidewall samples at 5750', 5553', 5188', 4850', 4734', 4660', 4584', 4510', 4459', 4410', 4330' and 3590'.
- 6/25-7/8 Drilled 10-5/8" hole from 6008' to 8173'.
- 7/9 Drilled 10-5/8" hole from 8173' to 8185'. Ran Schlumberger electric log and took sidewall samples.
- 7/10 Ran and cemented 7" 23 & 26# T & C Youngstown and Japanese casing at 8170' with 550 sacks Colton Hi-temperature cement. Pressure increased from 900-1600# when plugs bumped. Time 3:00 PM. B.J. Service. Used two pump trucks. Casing detail is as follows: 1676' 26# N-80 Japanese casing on bottom; balance is all Youngstown casing: 2042' 23# N-80; 3478' 23# J-55; 974' 25# N-80. Had full circulation while cementing.
- 7/11 Standing cemented. Laying down drill pipe.
- 7/12 Standing cemented. Making up 2-7/8" drill pipe.
- 7/13 Found top of cement at 8145' and shoe of 7" casing at 8180'. Drilled 6-1/8" hole to 8186'.
- 7/14 Ran Johnston tester on 2-7/8" drill pipe and set packer at 8160' with tailpipe to 8175'. Used 600' of water cushion. Opened tester at 2:25 PM. Had light, steady blow for 3 minutes, then dead for balance of 1 hour test. Closed tester at 3:25 PM. Recovered water cushion and 30' net rise of drilling mud. Pressure bomb charts checked details of test. Water shutoff witnessed and approved by Division of Oil and Gas. Drilled 6-1/8" hole from 8186' to 8196'.
- 7/15-20 Drilled 6-1/8" hole from 8196' to 8682'.
- 7/21 Recovered cone with magnetic basket. Reamed 6-1/8" hole from 8170' to 8682'.
- 7/22 Cored with 6" Diamond core barrel from 8682' to 8686'.
- 7/23-29 Drilled 6-1/8" hole from 8686' to 8810'. Ran Schlumberger electric log at 8810'.
- 7/30 Cored 5-7/8" hole from 8810' to 8824' with Mercury Diamond Head bit. Ran Johnston formation tester on 2-7/8" drill pipe with 115' of perforated tailpipe. Set packers at 8709' and 8698'. Used 575' water cushion. Opened tester at 4:45 PM. Packers failed.
- 7/31 Drilled 6-1/8" hole from 8824' to 8825'. Ran Johnston formation tester on 2-7/8" drill pipe and set dual packers at 8688' and 8695' with 129' of perforated tailpipe. Used 575' water cushion. Opened tester at 1:55 PM. Had faint, steady blow to end of test at 3:05 PM. Had net rise of 4460' of oil, most of which blew from drill pipe. During test, pressure charts increased from 700-1775# and were still rising. Sample at 3977' off bottom packer tested 12.0 wet gravity, cut 42% mud and emulsion, 4% silt. Sample at 1975' off bottom packer tested 16.5 wet gravity, cut 20% muc and emulsion, 4% silt. Sample at 1055' off bottom packer tested 17.6 wet gravity, cut 16% emulsion, 2% silt and sand. Sample at 515' off bottom packer tested 17.9 wet gravity, cut 3% water, 2.8% emulsion and 1% mud. Sample at 124' off bottom packer tested 13.7 wet gravity, cut 14% water and 1% mud.
- 8/1-5 Cored 5-7/8" hole from 8825' to 8911' with Mercury Diamond Head bit.
- 8/6 Drilled 6-1/8" hole from 8911' to 8914'. Cored 5-7/8" hole from 8914' to 8921'.
- 8/7 Cored 5-7/8" hole from 8921' to 8942'.

OPERATOR: TIDE WATER ASSOCIATED OIL COMPANY

FEB 17 1954

WELL NO.: Standard-Sesnon 1-#29, Aliso Canyon Field

Page 4
LOS ANGELES, CALIFORNIA

1953

- 8/8 Ran Schlumberger electric log at 8942'. Ran Johnston formation tester on 2-7/8" drill pipe and set packers at 8825' and 8816' with perforated tailpipe to 8942'. Used 1000' water cushion. Opened valve at 8:55 AM. Had light, steady blow for 15 minutes, decreasing to faint steady blow at end of 1 hour test. Recovered cushion and 660' net rise of gas-cut drilling mud with scum of oil. Filtered fresh water sample with difficulty. Unable to determine exact salinity due to extremely dark color. Pressure bomb charts indicated a pressure rise from 600# (cushion) to 900# during test. Reaming 5-7/8" hole to 6-1/4" hole.
- 8/9 Reamed 5-7/8" hole to 6-1/4". Cored 5-7/8" hole with Reed conventional bit from 8942' to 8944'. Ran Magnetic junk basket and recovered iron from bit.
- 8/10 Milled on iron.
- 8/11-14 Drilled 6-1/8" hole from 8944' to 8974'. Milling on iron.
- 8/15 Milled on iron.
- 8/16 Milled on cone. Drilled 6-1/8" hole from 8974' to 8980'.
- 8/17-21 Drilled 6-1/8" hole from 8980' to 9043'.
- 8/22-24 Cored 5-7/8" hole from 9043' to 9052'. Opened 5-7/8" hole to 6-1/8" from 9035' to 9072'. Reamed hole from 8914' to 9072'. Ran Schlumberger electric log at 9072'. Reamed hole from 8914' to 9072'.
- 8/25 Ran Johnston formation tester on 2-7/8" drill pipe and set packers at 8932' and 8943' with tailpipe to 9072'. Used 1000' water cushion. Opened tester at 5:45 AM. Had light, steady blow throughout 1 hour and 30 minute test. Recovered 665' net rise of gassy drilling mud. No free water or oil. Pressure bomb charts increased from 550-800# during test. Drilled 6-1/8" hole from 9072' to 9074'.
- 8/26 Drilled 6-1/8" hole from 9074' to 9089'. Cored 5-7/8" hole from 9089' to 9092'.
- 8/27 Cored 5-7/8" hole from 9092' to 9096'. Drilled 6-1/8" hole from 9096' to 9126'.
- 8/28 Cored 5-7/8" hole from 9126' to 9135', opened hole to 6-1/8" then drilled ahead to 9165' with 6-1/8" bit.
- 8/29 Drilled 6-1/8" hole from 9165' to 9212'. Ran Schlumberger electric log at 9202'.
- 8/30-9/1 Drilled 6-1/8" hole from 9212' to 9388'. Ran Schlumberger electric log and Dipmeter at 9363'.
- 9/2-3 Drilled 6-1/8" hole from 9388' to 9484'.
- 9/4 Cored 5-7/8" hole from 9484' to 9504'. Ran Schlumberger electric log at 9504'. Opened 5-7/8" hole to 6-1/8" to 9504'.
- 9/5 Ran Johnston formation tester on 2-7/8" drill pipe and set packers at 9375' and 9365' with perforated tailpipe to 9504'. Used 1000' water cushion. Opened tester at 12:55 PM. Had medium, steady blow for 5 minutes, increasing to strong, steady blow for next 7 minutes, at which time gas surfaced; 2 minutes later water cushion surfaced (14 minutes). Well blew water cushion for 45 minutes and drilling mud for 50 minutes with gas at 1113 MCF/day rate. Closed tester at 2:35 PM after 1 hour and 35 minute test. Recovered 540' rise of gas cut drilling fluid. No free oil or water. Pressure bomb charts indicated a decrease from 1100-980# during period of test.
- 9/6-9/7 Drilled 6-1/8" hole from 9504' to 9629'. Cored 5-7/8" hole from 9629' to 9643'. Ran Schlumberger electric log at 9643'.
- 9/8 Reamed 6-1/8" hole from 9420' to 9643'. Ran Johnston tester on 2-7/8" drill pipe with packers set at 9523' and 9514' and bottom of perforated tailpipe at 9643'. Used 1000' water cushion. Opened valve at 9:00 PM and had faint blow of air for 15 minutes, then died. Closed valve at 10:00 PM after being open 1 hour. Recovered 260' gas cut drilling mud. No free water. Charts checked details of test.
- 9/9-10 Drilled 6-1/8" hole from 9643' to 9770'. Cored with 5-7/8" Reed Conventional Barrel from 9770' to 9775'.
- 9/11 Cored 5-7/8" hole from 9775' to 9790'. Ran Schlumberger electric log at 9790' and opened 5-7/8" hole to 6-1/8" from 9770' to 9790'.

FEB 17 1954

Page 5
LOS ANGELES, CALIFORNIA

OPERATOR: TIDE WATER ASSOCIATED OIL COMPANY

WELL NO.: Standard-Sesnon 1-#29, Aliso Canyon Field

1953

- 9/12 Ran Johnston tester on 2-7/8" drill pipe and set packers at 9652' and 9659' with tailpipe to 9790'. Used 1000' water cushion. Opened tester at 3:30 AM but packers failed. Reran Johnston tester and set packers at 9664' and 9671' with tailpipe to 9790'. Used 1000' water cushion. Opened tester at 11:00 PM but packers failed.
- 9/13 Cleaned out to bottom with 6-1/8" bit. Ran Johnston tester on 2-7/8" drill pipe and set packers at 9696' and 9687' with tailpipe to 9790'. Used 1000' water cushion. Opened tester at 5:00 PM but packers failed. Running Schlumberger electric log, Dipmeter, Caliper and Microlog.
- 9/14 Completed Schlumberger services. Cleaned out to bottom with 6-1/8" bit and reamed tight spots.
- 9/15 Ran Johnston formation tester on 2-7/8" drill pipe with bottom of perforated tailpipe at 9790'. Set top packer at 9693' and lower packer at 9700'. Opened valve at 6:00 AM but packers failed. Making up tubing.
- 9/16 Hung 2-7/8" tubing at 9650'. Pumped in 35 sacks Colton Hi-temperature cement. Final pressure 1300#. Time 9:35 AM. B.J. Service. Found top of cement at 9455'. Hung 2-7/8" tubing at 9200' and pumped in 35 sacks Colton Hi-temperature cement. Final pressure 1300#. Time 7:20 PM. B.J. Service. Found top of cement at 9094'.
- 9/17 Reamed 6-1/8" hole.
- 9/18 Landed 1002' 5" 18# F.J. liner at 9077' including 350' of perforations from 8727' to 9077'. Top of Burns liner hanger at 8075'. Perforations are N-80, 120 mesh, 12 rows, 6" centers, 6° undercut, by Pacific. Blank is J-55. Hung 2-7/8" drill pipe at 8104' and cemented 5" liner through Baker C.P. collar at 8725' with 100 sacks Colton Hi-temperature cement. Final pressure 1700#. Time 11:30 AM. B.J. Service.
- 9/19 Standing cemented.
- 9/20 Ran Johnston tester on 2-7/8" drill pipe to test 5" to 7" casing splice. Set packer at 8070' with perforated tailpipe to 8085'. Used 500' water cushion. Opened tester at 10:20 AM. Had one puff, then dead for duration of 1 hour 5 minute test. Recovered 90' net rise of drilling mud. No free water. Charts checked details of test. Found top of hard cement in 5" liner at 8122'. Drilled out cement from 8157' to 8366' and drilled out cement from 8366' to 8720'.
- 9/21 Conditioned mud. Running Johnston formation tester.
- 9/22 Ran Johnston combination gun and tester on 2-7/8" drill pipe. Shot four jet holes at 8710'. Used 500' water cushion. Opened valve at 1:15 AM. Had medium, steady blow for 45 minutes, then dead for balance of 1 hour test. Recovered 1450' net rise of oil. Average of four samples: gravity 16.2; cut 40% water; 133 grains per gallon. Believe oil to be from Frew Zone. Water shutoff witnessed but not approved by Division of Oil and Gas. Scraped 5" liner and ran Baker Model "K" retainer on 2-7/8" drill pipe and tubing. Attempted to set retainer at 6850' but ball would not seat. Time 3:30 AM 9-23-53.
- 9/23 Ran Baker Model "K" retainer on 2-7/8" tubing and drill pipe and set retainer at 8650'. Applied pressure to holes at 8710'. Formation broke down at 6000# and took fluid at rate of 4 cu. ft. per minute at 3300#. Opened circulating ports and mixed 50 sacks Colton Hi-temperature cement preceded by 15 cu. ft. of water and followed by 251 cu. ft. of water. Closed circulating ports. Squeezed 34 sacks below retainer. Final pressure 7200#. Time 10:50 AM. B.J. Service. Backed off retainer and backscuttled an estimated 16 sacks of cement. Drilled up retainer and hard cement from 8647' to 8720'.
- 9/24 Ran Johnston combination gun and tester on 2-7/8" drill pipe and shot four holes at 8705'. Set packer at 8666' with perforated tailpipe to 8687'. Used 700' water cushion. Opened tester at 1:35 PM. Had light steady blow for 2 minutes, then dead for balance of 1 hour and 10 minute test. Recovered 20' net rise of drilling fluid. Charts confirmed results of test. Water shutoff witnessed and approved by Division of Oil and Gas. Drilled out hard cement from 8720' to 8725'. Cleaned out to 9077'.

OPERATOR: TIDE WATER ASSOCIATED OIL COMPANY

FEB 17 1954

WELL NO.: Standard-Sesnon 1-#29, Aliso Canyon Field

Page 6
LOS ANGELES, CALIFORNIA

1953

9/25 Displaced mud in liner with oil. Laid down 2-7/8" drill pipe. Tore out cellar connections. Running 2-7/8" tubing with Guiberson packer on bottom.

9/26 Finished running 2-7/8" tubing and set packer at 8043'. Connected up Christmas tree. Started swabbing.

9/27 Swabbed. Fluid level at 3400'.

9/28 Swabbed well to 3600' fluid level when fluid started rising at approximately 8:00 PM. Continued swabbing and well started flowing at 3:00 AM 9-29-53. Well swabbed and flowed 188 barrels of circulating oil to 6:00 AM 9-29-53; 48/64" bean; no tubing or casing pressures. Total circulating oil recovered 293 barrels of 360 originally put in.

9/29 In 24 hours well flowed 260 barrels gross fluid; 20.0% water, 7.0% mud, 27.0% total cut; 190 barrels net oil, of which 123 barrels is formation oil; 17.5 gravity; 40/64" bean; 50# tubing pressure; 150# casing pressure; 449 MCF gas.

9/30 Tearing out rotary. In 24 hours well flowed 146 barrels gross fluid; 9.8% water, 0.2% sand; 10.0% total cut; 131 barrels net oil; 18.6 wet gravity; 48/64" bean; 50# tubing pressure; 150# casing pressure.

	Gross	Net	Cut	Wet Gravity	Bean	Tubing Pressure	Casing Pressure	MCF Gas	
10/1	141	127	10.0%	18.6	48/64	50#	150#	381	
	Cut includes 9.0% water and 1.0% mud.								
10/2	125	116	7.0%	19.5	48/64	50#	150#	348	
10/3	124	115	7.0%	19.8	48/64	50#	250#	288	
10/4	123	117	4.7%	19.2	48/64	50#	225#	273	
10/5	125	115	8.0%	19.0	48/64	50#	250#	248	
10/6	124	114	8.4%	19.1	48/64	150#	225#	231	
10/7	124	122	1.8%	20.0	48/64	75#	225#	230	
10/8	123	122	1.0%	19.5	48/64	50#	225#	44	193 Inj.
10/9	104	93	10.6%	19.5	48/64	50#	925#	117	132 "
10/10	104	100	4.0%	19.8	64/64	50#	900#	102	180 "
10/11	113	110	3.2%	19.5	64/64	50#	900#	112	176 "
10/12	111	103	7.2%	19.2	64/64	100#	900#	269	179 "
10/13	98	93	5.1%	20.0	64/64	75#	900#	132	144 "
	Injection line froze.								
10/14	59	57	4.0%	19.1	64/64	50#	900#	101	
	Well stopped producing on gas lift at 4:00 PM.								
10/15	In 8 hours well flowed 17 barrels gross fluid, then died. Shut in for 16 hours to build up pressures.								
10/16	Shut in.								
10/17	In 3 hours well flowed 11 barrels gross fluid, then died. Shut in for 21 hours.								
10/18	Well would not flow. Shut in to build up pressures. 600# tubing pressure; 900# casing.								
10/19	In 16 hours well flowed on gas lift 92 barrels gross fluid, 90 barrels net oil, 2.0% cut, 20.9 gravity, 600# tubing pressure, 900# casing pressure.								
10/20	In 24 hours well flowed on gas lift 92 barrels gross fluid, 88 barrels net oil, 4.0% cut, 19.8 gravity, 50# tubing pressure, 900# casing pressure, 64/64" bean.								
10/21	In 19 hours well flowed on gas lift 65 barrels gross fluid, 62 barrels net oil, 4.0% cut, 19.4 gravity, 50# tubing pressure, 925# casing pressure, 64/64" bean. Injection line froze.								
10/22	86	84	3.1%	19.7	64/64	50#	925#	29	65
	Gas lift line froze. Off 2 hours.								
10/23	22	20	10.0%	19.5	64/64	50#	925#	30	33
	Gas lift line froze. Off 18 hours.								
10/24	114	85	25.0%	17.2	64/64	50#	900#	85	82
10/25	170	165	3.0%	20.0	64/64	50#	900#	200	131
10/26	125	120	3.5%	19.5	64/64	50#	900#	40	141

FEB 17 1954

OPERATOR: TIDE WATER ASSOCIATED OIL COMPANY

LOS ANGELES, CALIFORNIA

WELL NO.: Standard-Sesnon 1-#29, Aliso Canyon Field

Page 7

<u>1953</u>	<u>Gross</u>	<u>Net</u>	<u>Cut</u>	<u>Gravity</u>	<u>Bean</u>	<u>Tubing Pressure</u>	<u>Casing Pressure</u>	<u>MCF Inj.</u>	<u>MCF Net</u>
10/27	140	115	18.0%	19.0	6 1/2	50#	925#	50	130
10/28	110	83	25.0%	19.0	6 1/2	50#	925#	40	127
10/29	93	82	12.0%	18.8	6 1/2	50#	900#	37	95
10/30	103	96	7.3%	19.2	6 1/2	50#	900#	66	136
10/31	103	75	28.0%	18.5	6 1/2	150#	900#	55	177
11/1	92	82	11.0%	19.8	6 1/2	100#	900#	48	182
11/2	93	78	14.0%	19.0	6 1/2	100#	900#	26	156
11/3	63	59	7.0%	19.0	6 1/2	100#	900#	26	138
11/4	90	81	10.0%	19.0	6 1/2	100#	900#	21	137
11/5	65	60	7.0%	19.0	6 1/2	100#	900#	10	0
11/6	100	93	7.0%	19.0	6 1/2	100#	900#	0	90
11/7	95	88	7.0%	19.0	6 1/2	100#	900#	40	84
11/8	95	88	7.0%	19.0	6 1/2	100#	900#	93	117
11/9	134	125	7.0%	19.0	6 1/2	100#	900#	57	148
11/10	87	81	7.0%	19.0	6 1/2	100#	900#	43	84
11/11	97	89	7.0%	19.0	6 1/2	100#	900#	52	96
11/12	76	71	7.0%	19.0	6 1/2	100#	950#	39	122
11/13	76	71	7.0%	19.5	6 1/2	100#	925#	59	128
11/14	76	71	7.0%	19.5	6 1/2	100#	925#	30	150
11/15	129	120	7.0%	19.5	6 1/2	100#	925#	200	79
11/16	72	67	7.0%	19.5	6 1/2	100#	925#	90	169
11/17	60	56	7.0%	19.5	6 1/2	100#	925#	56	80
11/18	53	49	7.0%	19.5	6 1/2	100#	925#	17	45

CASING RECORD

11-3/4" 42 & 47# C 1042'
 7" 23 & 26# C 8180'
 1002' 5" 18# L 9077' inc. 350' pfs. Top 8075'

TUBING RECORD

2-7/8" L w/packer 8043'

SUBMIT IN DUPLICATE

DIVISION OF OIL AND GAS
RECEIVED

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

FEB 17 1954

DIVISION OF OIL AND GAS

LOS ANGELES, CALIFORNIA

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator TIDE WATER ASSOCIATED OIL COMPANY Field ALISO CANYON
Well No. Standard-Segnon 1-129 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				
SCHUMBERGER SIDENALL SAMPLES					
5750'				1/2"	Fine to medium grained, brown oil sand. Medium odor.
5553'				3/4"	Conglomeritic, light brown oil sand. Good petroleum odor.
5188'				1-1/2"	Gray with greenish cast, sandy shale.
4950'				3/4"	Fine to coarse grained, light brown unevenly saturated oil sand. Good petroleum odor.
4734'				1/2"	Conglomeritic, light brown, oil sand.
4660'				1/2"	As above.
4584'				3/4"	As above with pebbles 1/2" in diameter.
4510'				1"	As above.
4459'				No recovery.	
4410'				2"	Dark, greenish-brown shale with abundant foraminifera
4330'				No recovery.	
3590'				1-1/2"	Sandy, dark brown shale.
5778'				1/2"	Soft, medium grained, light brown oil sand. Good odor. (Looks wet.)
5633'				No recovery.	
5515'				1/4"	Hard fragments of dark brown silty shale.
4461'				1/2"	Firm, light gray sandy siltstone.
3764'				1/2"	Hard, brittle, dark gray, micaceous, silty limestone with free oil in fractures.
3350'				1/2"	Soft, coarse, poorly sorted, light brown, undersaturated oil sand. Good petroleum odor.
3255'				1/2"	Firm, medium grained, oil stained, gray sand. Fair odor.
3189'				1/2"	Firm, fine grained, brown oil sand. Good petroleum odor.
3094'				No recovery.	
3037'				1/4"	Fragments to soft green siltstone.
2940'				2"	Firm, fine grained, greenish-brown, oil stained siltstone with occasional megafossil. Fair odor. (Looks tight.)
2185'				No recovery.	
2000'				2"	Soft, light green, sandy, siltstone with occasional dark spots possibly due to carbonaceous material.
1420'				1/4"	Hard, gray, weathered granitic rock. May be pebble or part of boulder. In area of heavy lost circulation. Note thick mud cake.

DIVISION OF OIL AND GAS

FEB 17 1954

-2-
LUS ANAHEIM, CALIFORNIA

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator TIDE WATER ASSOCIATED OIL COMPANY Field ALISO CANYON

Well No. Standard-Season 1-#29 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>6" DIAMOND CORE BARREL</u>					
8682'	8683'			No recovery.	
8683'	8686'			6"	Very hard Quartzite.
<u>5-7/8" MERCURY CORE BARREL</u>					
8810'	8824'			7'	Conglomerate with matrix of fine to medium oil sand. Good cut and odor.
8824'	8835'			No recovery.	
8835'	8836'			2'	Hard conglomerate with matrix of hard cemented gray sand and hard oil sand. No to fair cut and odor.
8836'	8856'			7'	Hard conglomerate with matrix of hard dark gray sand and hard oil sand. No to fair cut and odor.
8858'	8881'			19'	0' Hard conglomerate with matrix of hard cemented gray sand and hard oil sand. No to fair cut and odor. 4' Hard fine to medium oil sand. Fair to good cut and fair odor. 2' Shell. (Very hard, limy, gray sand.) 2' Hard oil sand, as above. 1'6" Shell, as above. 1'6" Hard, medium oil sand and gray sand, possibly brecciated. No to fair cut and odor.
8881'	8905'			4'	2' Hard conglomerate with matrix of hard gray sand and hard oil sand. 2' As above, with more hard gray sand and firm oil sand than previous cores. No to good cut and no to fair odor. Had two 2" streaks of hard gray shale with minor sheering; evident.
8905'	8911'			No recovery	
8911'	8942'			1'	Very hard pieces of quartzite boulders.
<u>5-7/8" REED CONVENTIONAL CORE BARREL</u>					
8942'	8944'			0'3"	Three small pieces of quartzite.
9035'	9048'			0'6"	Fragments of granitic and gneissic boulders.
9048'	9052'			1'0"	Hard, medium grained, micaceous gray sand. No cut, faint odor. One fragment of hard greenish-gray slickensided shale on bottom.

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS
RECEIVED

DIVISION OF OIL AND GAS

FEB 17 1954

LOG AND CORE RECORD OF OIL OR GAS WELL

LOS ANGELES, CALIFORNIA

Operator TIDE WATER ASSOCIATED OIL COMPANY Field ALISO CANYON

Well No. Standard Section 1-729 Sec. 28, T. J N, R. 16 W, S. S. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO		Thickness	Drilled or Cored	Recovery	DESCRIPTION
Top of Formation	Bottom of Formation				
<u>5-7/8" REED CONVENTIONAL CORE BARREL (cont.)</u>					
9089'	9096'			5'	Hard, dark blue-gray shale with numerous light gray streaks and occasional slickensides. Good 10° dips.
9126'	9135'			5'	Hard, dark bluish-gray shale with numerous light gray streaks. Top 1' shows 75° dips and slickensiding. Remainder 10-20° dips.
9144'	9161'			15'	Hard, gray, medium to fine grained micaceous sand. Breaks readily into pieces 1/2" to 2" in length with muddy oil in partings. Faint cut indicating possible gas sand. Good gas showings recorded in mud ditch while coring. Possible 35-40° dip.
9162'	9181'			0'6"	As above. No cut or odor.
9181'	9504'			2'	Hard gray sand as above with possible 50-55° dips. Faint cut and shows fluorescence.
9770'	9790'			18'	Hard, medium grained, gray sand, with biscuit partings. No cut. Slight odor. Cut bottles shows slight fluorescence.

DIVISION OF OIL AND GAS

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

No. T 153-1158

Los Angeles 15

Calif. September 29 1953

Mr F C Foster

~~Mr~~ Box Y

Los Nietos Calif.

Agent for TIDE WATER ASSOCIATED OIL CO

DEAR SIR:

Your well No. "Standard-Sesnon 1" 29, Sec. 28, T3 N, R16 W, S B B & M. Aliso Canyon Field, in Los Angeles County, was tested for water shut-off on September 22, 1953. Mr. G. J. Borkovich, Inspector, designated by the supervisor, was present as prescribed in Secs. 3222 and 3223, Ch. 93, Stat. 1939; there were also present J. Boyer, Engineer; R. N. Frantz, Drilling Foreman.

Shut-off data: 5 in. 18 lb. casing was cemented through perforations at 8731 ft. on September 18, 1953 in 6 in. hole with 100 sacks of cement

XXXX of which 30 sacks was left in casing. Casing record of well: 11-3/4" cem. 1042'; 7" cem. 8180', W.S.O.; 5" ld. 9083', top at 8081'. c.p. 8731'. perf. 8731'-9083', four 1/2" holes 8710', W.S.O.

Plugged with cement 9650'-9455' and 9200'-9094'.

Present depth 9790 ft. Bridged with cement from 8731 ft. to 8720 ft. Cleaned out to 8720 ft. for test.

A pressure of XXX lb. was applied to the inside of casing for XXX min. without loss after cleaning out to XXX ft.

A Johnston gun and tester was run into the hole on 2-7/8 & 2-3/8 in. drill pipe with 750 ft. of water-cushion, and packer set at 8668 ft. with tailpiece to 8688 ft.

Tester valve, with 3/8 in. bean, was opened at 1:30 a.m. and remained open for 1 hr. and XXX min.

During this interval there was a medium steady blow for 45 min..

no blow for 5 min., then a faint blow for 10 min.

THE INSPECTOR ARRIVED AT THE WELL AT 4:40 A.M. AND MR. BOYER REPORTED:

1. A 6" rotary hole was drilled from 8185' to 9790'.
2. On September 16, 1953, 35 sacks of cement was pumped into the hole through 2-7/8" drill pipe hanging at 9650', filling to 9455'.
3. On September 16, 1953, 35 sacks of cement was pumped into the hole through 2-7/8" drill pipe hanging at 9200', filling to 9094'.
4. The 5" casing was cemented as noted above.
5. A Johnston tester was run into the hole and the test indicated that no fluid has access to the well between the 7" and 5" casings.
6. Cement was drilled out of the 5" casing from 8366' to 8720' (equivalent to 28 sacks), and the hole was cleaned out to 8720'.
7. The 5" casing was shot-perforated with four 1/2" holes at 8710'.

THE INSPECTOR NOTED:

1. When the drill pipe was removed, 1729' net rise consisting of 1000' of gas-cut, thin drilling fluid, grading to 729' of oil, was found in the drill pipe above the tester.
2. The recording pressure bomb chart showed that the tester valve was open 1 hr.

The test was completed at 7:05 a.m.

THE 5" SHUT-OFF AT 8710' IS APPROVED.

Company recomputed holes at 8710' + retested through holes at 8705' which tested dry.

GJB:OH

cc T L Wark
Jos Jensen
J R Boyer (2)

R. D. BUSH, State Oil and Gas Supervisor

By *R. N. Halling*, Deputy

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

REPORT OF CORRECTION OR CANCELLATION

Los Angeles 15 California

September 22 19 53

Mr F C Foster
Box Y
Los Nietos

Agent for Tide Water Associated Oil Company

Dear Sir

In accordance with ~~xxxx~~ dated ~~xxxx~~
(letter, form, etc.)
the following change pertaining to your well No. ~~"Standard Sesson 1" 29~~,
Sec. ~~28~~, T. ~~3 N.~~, R. ~~16 W.~~, S. ~~E.~~ B. & M., ~~Aliso Canyon~~ field,
District No. ~~1~~, is being made in our records:

The corrected location is _____

The corrected elevation is _____

Report No. ~~F153-503~~ ~~F153-595~~ ~~F153-880~~, dated ~~April 23, 1953~~ ~~May 21, 1953~~ ~~June 24, 1953~~ have ~~been~~ been
corrected as follows: ~~to show the well designation, "Standard Sesson 1" 29~~
~~instead of "Standard Sesson" 1-29 as given on the reports.~~

Your notice to _____ dated _____
(Drill, abandon, etc.)
and our report No. P _____, issued in answer thereto, are hereby cancelled
inasmuch as the work will not be done.

Other: _____

INSPECTIONS MADE AS FOLLOWS:	BY WHOM
FORM 112	
" 113	
" 114	
CARDS	
PRODUCTION REPORTS	
WELL RECORDS (FOLDING)	<i>OK</i>
WELL RECORDS (DISK)	<i>OK</i>
FIELD MAPS	
MAP BOOK	

GJB:OH

cc Messers R D Bush (2)
T L Mark
Jos Jensen
J R Boyer

Yours truly

R. D. BUSH
State Oil and Gas Supervisor

By *R. H. Walling*
Deputy Supervisor

STATE OF CALIFORNIA
SAN FRANCISCO 11DIVISION OF OIL AND GAS
RECEIVED

SEP 24 1953

Inter-Departmental Communication

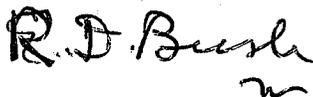
LOS ANGELES, CALIFORNIA

Date: 9/22/53

To: R W Walling - Los Angeles

From: State Division of Oil and Gas

Please refer to your report No. P 153-503, proposal to drill well No. "Standard-Sesnon" 1-29, Sec. 28, T. 3 N., R. 16 W., Aliso Canyon field, by Tide Water Associated Oil Co., and following two T-reports. Should this be "Standard-Sesnon 1" 29? See also report No. P 153-963, July 28, for well No. "Standard-Sesnon" 1-30, which evidently is for the same well as indicated on report No. T 153-1112, Sept. 18, as "Standard-Sesnon 1" 30.



State Oil and Gas Supervisor

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

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

No. T.153-880

LOS ANGELES 15

Calif. July 24 19 53

Mr F C Foster

~~Mr~~ Box Y

LOS NIETOS Calif.

Agent for TIDE WATER ASSOCIATED OIL CO

DEAR SIR:

"Standard-Sesnon 1" 29

Your well No. ~~"Standard-Sesnon" 1-29~~, 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 July 14, 19 53. Mr. M. B. Albright, Inspector, designated by the supervisor,

was present as prescribed in Secs. 3222 and 3223, Ch. 93, Stat. 1939; there were also present

J. R. Boyyer, and R. M. Burns, Engineers.

Shut-off data: 7 in. 23 & 26 lb. casing was cemented ~~xxxxx~~ at 8180 ft.

on July 10, 19 53 in. 10-5/8 in. hole with 550 sacks of cement

~~xxxxx~~ of which 7 sacks was left in casing.

Casing record of well: 11-3/4" cem. 1042'; 7" cem. 8180', W.S.O.

*Correction letter 9-22-53 OH

Present depth 8185 ft. Bridged with cement from ~~xxx~~ ft. to ~~xxx~~ ft. Cleaned out to 8185 ft. for test.

A pressure of 1500 lb. was applied to the inside of casing for 15 min. without loss after cleaning out to 8149 ft.

A Johnston tester was run into the hole on 2-7/8 in. ~~steel pipe~~ tubing,with 600 ft. of water ~~and~~ cushion, and packer set at 8160 ft. with tailpiece to 8175 ft.

Tester valve, with 3/8 in. bean, was opened at 2:00 p.m. and remained

open for 1 hr. and ~~xxx~~ min. During this interval there was a light blow for 3 min., and

no blow thereafter.

THE INSPECTOR ARRIVED AT THE WELL AT 6:00 P.M. AND MR. BURNS REPORTED:

1. A 10-5/8" rotary hole was drilled from 1234' to 8185'.
2. The 7" casing was cemented as noted above.

THE INSPECTOR NOTED:

1. When the tubing was removed, 30' (net - not including 600' water cushion) of medium drilling fluid was found in the tubing above the tester, equivalent to 0.1 bbl.
2. The recording pressure bomb chart showed that the tester valve was open 1 hr.

The test was completed at 7:30 p.m.

THE 7" SHUT-OFF AT 8180' IS APPROVED.

MBA:OH

6
cc T L Wark
Jos Jensen
J R Boyyer

R. D. BUSH, State Oil and Gas Supervisor

By E. H. Musser, Deputy

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 153-595

Los Angeles 15
Calif. May 21 1953

Mr F C Foster

~~xxxx~~ Box Y

Los Nietos Calif.

Agent for TIDE WATER ASSOCIATED OIL CO

DEAR SIR:

"Standard-Sesnon 1" 29

* Operations at your well No. ~~Standard-Sesnon 1-29~~ Sec. 28, T. 3 N, R. 16 W, S B B. & M.,
Aliso Canyon Field, in Los Angeles County, were witnessed by

* Correction letter 9-22-53 OH V. F. Gaede, Inspector, representative of the supervisor,
on May 13, 1953. There was also present W. J. Herian, Drilling Foreman;
I. M. Mahuis, Driller.

Casing Record 11-3/4" cem. 1042'. T.D. 2793'.	Junk None

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

The inspector arrived at the well at 12:10 p.m. and Mr. Herian reported:

1. A 15" rotary hole was drilled from the surface to 1234'.
2. On May 4, 1953, 11-3/4", 42 lb. casing was cemented at 1042' with 550 sacks of cement.
3. Cement did not return to the surface.
4. One hundred sacks of cement was pumped into the hole outside the 11-3/4" casing through 1" tubing hanging at 100'.
5. Cement returned to the surface.
6. A 10-5/8" rotary hole was drilled from 1234' to 2793'.

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. A Hydril blowout preventer for closing around the 4-1/2" drill pipe.
3. The controls for the above equipment were located outside the derrick.
4. A 2" mud fill-up line with a 2" high pressure stopcock into the 11-3/4" casing below the above equipment.

The inspection was completed at 12:30 p.m.

THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

VFG:OH

cc Wm E Perkes (2)
Jos Jensen

Mr T L Wark c/o Tide Water Assoc Oil Co
79 New Montgomery Street
San Francisco California

R. D. BUSH
State Oil and Gas Supervisor

By E. H. Musser Deputy
ms

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS
REPORT ON PROPOSED OPERATIONS

No. P 153-503

Los Angeles 15 Calif. April 23 1953

Mr. F. C. Foster
Box Y
LOS NIETOS Calif.

121

Agent for TIDE WATER ASSOCIATED OIL CO.

"Standard-Sesnon 1" 29

DEAR SIR:

* ~~"Standard-Sesnon"~~

Your _____ proposal to drill Well No. 1-29

Section 28, T. 3 N., R. 16 W., S. B. B. & M., Aliso Canyon Field, Los Angeles County,

dated April 15 1953, received April 20 1953, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows: *Correction letter 9-22-53 OH

THE NOTICE STATES

"Location of Well: 750.00' South and 6100.00' West of Station #84
Elevation of ground above sea level 2848.77 feet. Mat
All depth measurements taken from top of Derrick Floor which is 6.92 feet above ground."

PROPOSAL

"PROPOSED CASING PROGRAM

Size of Casing

Inches A.P.I.	Weight	Grade and Type	Top	Bottom	Cementing Depths
*11-3/4"	42#	H-40 T & C	0'	2500'	2500'
7"	23,26,29#	J-55 N-80, T & C	0'	8950'	8950'
5"	18#	J-55 F.J.	8925'	9350'	

Intended zone or zones of completion:
Name Frew Zone Perforated Interval

*intend to cement between 1000' - 2500', dependent upon lost circulation.
It is understood that if changes in this plan become necessary we are to notify you before running casing."

DECISION

THE PROPOSAL IS APPROVED PROVIDED THAT

1. Blowout prevention equipment, sufficient to provide a complete close-in of the well under pressure at any time, shall be installed and approved by this division.
2. THIS DIVISION SHALL BE NOTIFIED AS FOLLOWS:
 - (a) To inspect the installed blowout prevention equipment before drilling below 2500'.
 - (b) To witness a test of the effectiveness of the 7" shut-off.

HRMA:OH

cc Wm E Perkes (2)

T L Wark
c/o Tide Water Assoc Oil Co
79 New Montgomery Street
San Francisco California

R. D. BUSH

State Oil and Gas Supervisor

By E. H. Meissen Deputy

Blanket
bond

Jos Jensen
888 Pacific Electric Bldg
LOS ANGELES 14

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED

APR 20 1963

LOS ANGELES, CALIFORNIA

037-00041

Notice of Intention to Drill New Well

This notice and surety bond must be filed before drilling begins

Los Nietos, Calif. April 15 19 53

DIVISION OF OIL AND GAS

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. Standard-Season #1-29, Sec. 28, T. 3 N, R. 16 W, S.B. B. & M., Aliso Canyon Field, Los Angeles County. RW13

Legal description of lease Standard-Season #1
(Attach map or plat to scale)

Location of Well: 750.00' South and 6100.00' West of Station #84
(Give exact footage from section corners or other legal subdivision or streets)

Elevation of ground above sea level 2848.77 feet. Mat

All depth measurements taken from top of Derrick Floor which is 6.92 feet above ground.
(Derrick Floor, Rotary Table or Kelly Bushing)

PROPOSED CASING PROGRAM

SIZE OF CASING INCHES A.P.I.	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS
* 11-3/4"	42#	H-40 T & C	0'	2500'	2500'
7"	23, 26, 29#	J-55 H-80, T & C	0'	8950'	8950'
5"	18#	J-55 F.J.	8925'	9350'	

Intended zone or zones of completion:
NAME Frew Zone

PERFORATED INTERVAL

<u>18A</u>	<u>18B</u>	<u>18C</u>	<u>18D</u>	<u>18E</u>	<u>18F</u>
------------	------------	------------	------------	------------	------------

FORMS
114 121

* Intend to cement between 1000' - 2500', dependent upon lost circulation.

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

Address P.O. Box "Y", Los Nietos, Calif.

TIDE WATER ASSOCIATED OIL COMPANY

Telephone Number Oxford 91051

By J. C. Traylor
Agent