

OPERATOR SOCA GAS CO
 WELL NO. "STANDARD SESNON" 11
 MAP

A.P.I. 037-00763
 SECTION 28, T. 3 N, R. 16

INTENTION	<u>REWORK</u>					
NOTICE DATED	<u>12-18-92</u>					
P-REPORT NUMBER	<u>292-396</u>					
CHECKED BY/DATE	<u>PRW/7-16-93</u>					
MAP LETTER DATED	<u>—</u>					
SYMBOL	<u>N/C</u>					

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	<u>12-22-92</u>									
HISTORY	<u>7-7-93</u>									
SUMMARY										
E-LOG										
MUD LOG										
DIPMETER										
DIRECTIONAL	<u>5-27-93</u>									
CORE/SWS										
CBL										

ENGINEERING CHECK

T-REPORTS	<u>—</u>					
OPERATOR'S NAME	<u>✓</u>					
WELL NO.	<u>✓</u>					
LOC & ELEV	<u>✓</u>					
SIGNATURE	<u>✓</u>					
SURFACE INSP.	<u>—</u>					
DRILL CARD	<u>—</u>					

RECORD'S COMPLETE PRW 7-16-93 _____

FINAL LETTER OK _____
 MAILED _____
 RELEASED BOND _____

INJECTION BOOK _____ REMARKS: _____
 IDLE WELL LIST _____
 SURFACE INSP. CARD _____
 OK TO RELEASE FROM CONFIDENTIAL _____
 ABANDONED-REMOVED FROM E.D.P. _____

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

History of Oil or Gas Well

Operator Southern California Gas Company Field Aliso County Los Angeles
 Well Standard Sesnon #11, Sec. 28, T. 3N., R. 16W., S. BB. & M.
 A.P.I. No. 370-0763 Name R. D. Phillips Title Agent
 Date June 22, 1993 (Person submitting report) (President, Secretary or Agent)

Signature

J. A. Hemmerly for R. D. Phillips

P. O. Box 3249 Los Angeles, CA 90051-1249 (213) 244-2687
 (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
1993

DIVISION OF OIL AND GAS
 RECEIVED
 JUL 7 1993
 VENTURA, CALIFORNIA

- 04/19 Move in - rig up. Started well operations at 11:00 a.m. Mixed and pumped 20 Bbls of super-saturated sized salt. Displaced with 54 Bbls of 3% KCl with no pressure build up.
- 04/20 Mixed 30 Bbls of salt water, 20 Bbls of super-saturated sized salt. Pumped 15 Bbls of salt water ahead of 20 Bbls of super saturated sized salt, followed with 15 Bbls of salt water. Displaced with 3 Bbls of KCl with no pressure build up. Installed back pressure valve. Nippled down xmas tree. Nippled up BOPE. Removed back pressure valve.
- 04/21 With 700 psi on tubing and 0 psi on casing, pumped 5 Bbls of HEC/KCl water ahead of 22 Bbls of 3 ppg 20-40 sand. Displaced with 58 Bbls of KCl. Couldn't bridge off perms. Pumped 15 Bbls of HEC/KCl ahead of 22 Bbls of 3 ppg 12-20 sand. Displaced with 43 Bbls of KCl. Perfs plugged with 1000 psi. Pumped an additional 8 Bbls of KCl to clear tubing. Tested blind rams, pipe rams and choke manifold to 3000 psi. Tested annular preventor to 2100 psi.
- 04/22 With 40 psi on tubing and 0 psi on casing, worked seals out of packer. Filled well with 3% KCl. Mixed 500 Bbls of 3% KCl. Pulled 2-7/8" tubing and seals. Ran in well with bit and scraper, tight spot at 2375'. Ran scraper to 6086'.
- 04/23 Ran in well with bit and scraper to 8650'. Pulled out of well. Ran in well with Otis retrieving tool. Worked Otis packer free. Pulled packer to 5000'.

D.O.G. 7/2/93
 OG103 (6/91/GSR1/5M)

- 04/24 Finished pulling out of well. Laid down packer. Attempted to run gyro survey, but equipment failed. Ran kill string to 3000'. Ran in well with sinker bar on wireline and tagged fill at 8790'. Dumped 9 cu.ft. of 16-20 gravel down tubing.
- 04/26 Opened well. Zero psi on tubing and casing. Tagged sand at 8712'. Ran gyro survey from 8675' to surface. Filled well with 160 Bbls of 3% KCl fluid. Pressure tested sand plug to 1500 psi. Pressure dropped to zero psi in 5 minutes. Re-tagged sand at 8718'. With tubing tail at 8715, mixed and pumped 28.5 cu.ft. of Class G cement. Pulled up to 8700'. Backscuttled two tubing volumes. Pulled up to 8206'. Secured well.
- 04/27 Opened well. Zero psi on tubing and casing. Tagged cement at 8702'. Tested 7" casing and cement plug to 1500 psi for 20 minutes. Perforated four 1/2" holes from 8664'-8665'. Ran 498' of 2-7/8" tubing below fullbore packer on 2-7/8" tubing to 8642'. Set packer. Pressure casing to 1500 psi. Pressure tubing and holes to 3000 psi. Pressure held with no break down.
- 04/28 Opened well. Set packer with tubing tail at 8663'. Spotted 50 cu.ft. of 12% HCl/3% HF acid. Established breakdown. Pumped away acid at injection rate of 1.5 BPM and 1275 psi. Pulled tubing tail to 8522' and set packer. Mixed and pumped 30 cu.ft. of matrix cement followed by 30 cu.ft. of Class G cement. Squeezed 25 cu.ft. out holes. Established squeeze pressure of 3100 psi and held.
- 04/29 Bled 2900 psi from tubing. Unset packer and pulled out of well with 2-7/8" tubing and packer. Ran in well with 6" bit, four 4-3/4" drill collars on 2-7/8" tubing. Tagged cement at 8568'. Drilled out cement from 8568' to 8665'. Pressure tested casing to 3000 psi and held for 20 minutes. Pulled up to 8558'. Secured well.
- 04/30 Ran in well to 8665'. Drilled cement from 8665' to 8703'. Tagged cement cap at 8707'. Pressure tested 7" casing to 3000 psi for 20 minutes. Drilled cement from 8707' to 8734' at 3000 psi for 20 minutes. Drilled cement from 8707' to 8734' (top of liner). Pulled out of well to 3988'. Rig down for repairs.
- 05/03 Pulled kill string out of well. Laid down drill collars. Ran in well with six 3-1/8" drill collars to 2856'. Tubing plugged. Pulled out of well. Ran in well with 4-1/8" mill. Milled and cleaned out from 8763' to 8766'. Circulated well clean.
- 05/04 Cleaned out cement, sand and rubber from 8751' to 8763'. Pulled tubing and 4-1/8" bit out of well. Ran in well with 4-1/8". Milled and cleaned out from 8763' to 8766'. Circulated well clean. Pulled up to 8725'.

05/05

Ran in well to 8766' - could not mill past 8767'. Pulled out of well. Laid down 4-1/8" mill. Ran in well with 4" wash over shoe and one junk sub. Washed over from 8767' to 8797'. Lost circulation. Pulled tubing to 8640'.

05/06

Pulled out of well and laid down 4" wash over shoe. Ran in well with 4" over shoe, junk basket, and Cavins sand pump. Pumped sand from 8797' to 8820'. Pulled tubing to 3100'.

05/07

Pulled out of well. Laid down junk basket and sand pump. Found packer rubber in junk basket. Rigged up Dialog. Ran in well to 8710' with 5.75" gauge ring. Set Otis 7" 29# BWB packer on wireline at 8640'. Internally pressure tested production string in well to 4000 psi. Stabbed into packer with seal assembly. Pulled 20,000 lbs over string weight to check latch. Landed tubing with 10,000 lbs compression. Filled casing. Tested casing, packer and seal assembly with 1500 psi for 20 minutes.

05/08

Installed back pressure. Nippled down BOPE. Installed xmas tree. Tested xmas tree to 5000 psi. Removed back pressure valve. Released rig at 12:30 p.m.

037-00763
28-3-16

SOUTHERN CALIFORNIA GAS COMPANY
PORTER

SS 11
STANDARD SESNON 11
ALISO CANYON
CALIFORNIA

SURVEY LISTING

by
Eastman Teleco

Your ref : SEEKER GYRO
Our ref : svy2711
License :

Date printed : 30-Apr-93
Date created : 30-Apr-93
Last revised : 30-Apr-93

Field is centred on 0.000,0.000,999.00000,+
Structure is centred on 0.000,0.000,3.00000,N

Slot location is n0 0 0.000,w1 29 18.843
Slot Grid coordinates are N 0.000, E 0.000
Slot local coordinates are 0.00 N 0.00 E
Reference North is Grid North

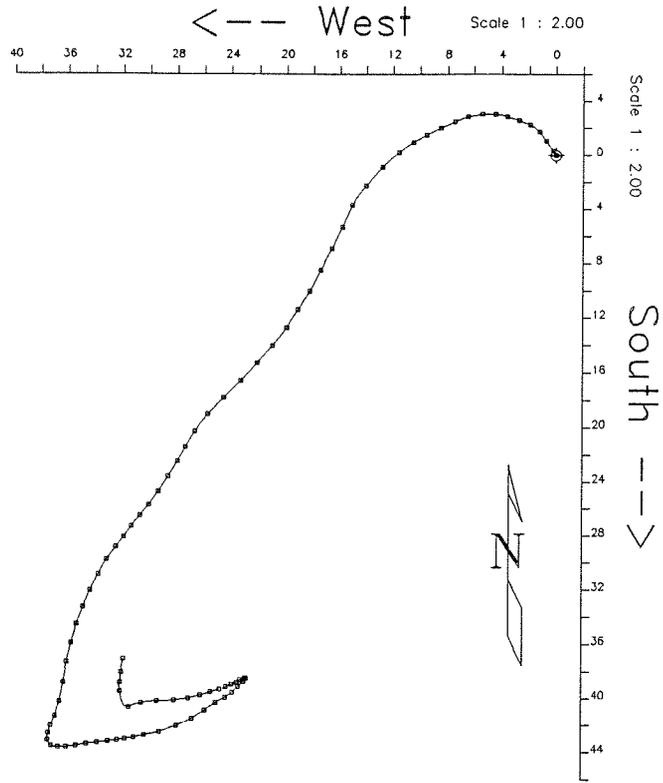
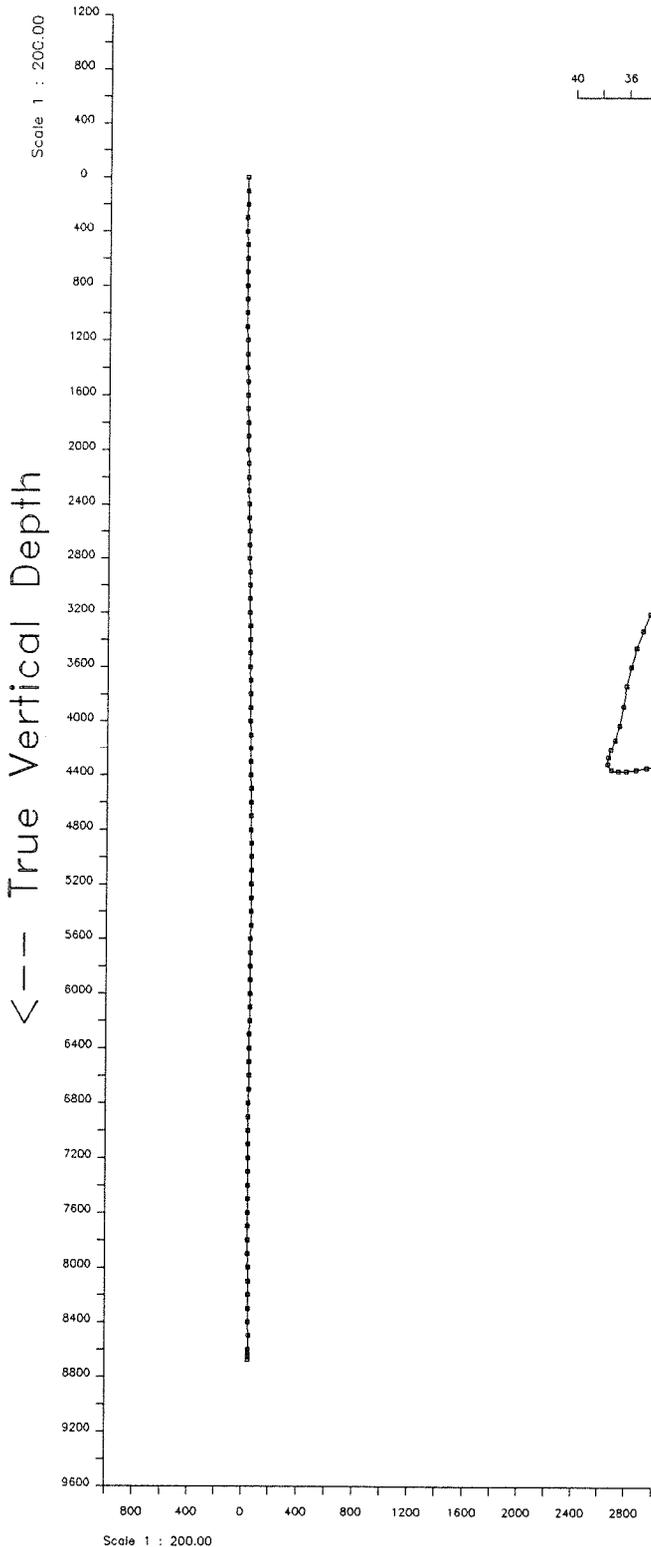
DIVISION OF OIL AND GAS
RECEIVED

MAY 27 1993

VENTURA, CALIFORNIA

SOUTHERN CALIFORNIA GAS COMPANY

Structure : PORTER Well : SS 11
Field : ALISO CANYON Location : CALIFORNIA



DIVISION OF OIL AND GAS
RECEIVED

MAY 27 1993

VENTURA, CALIFORNIA



Vertical Section on 220.70 azimuth with reference 0.00 N, 0.00 E from Station 84

SOUTHERN CALIFORNIA GAS COMPANY
 PORTER, SS 11
 ALISO CANYON, CALIFORNIA

SURVEY LISTING Page 1
 Your ref : SEEKER GYRO
 Last revised : 30-Apr-93

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert. Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100Ft	Vert Sect
0.00	0.00	0.00	0.00	0.00 N	0.00 E	0.00	0.00
100.00	0.47	328.22	100.00	0.35 N	0.22 W	0.47	-0.12
200.00	0.51	321.15	200.00	1.04 N	0.71 W	0.07	-0.33
300.00	0.49	320.60	299.99	1.72 N	1.26 W	0.02	-0.48
400.00	0.50	295.40	399.99	2.24 N	1.93 W	0.22	-0.44
500.00	0.51	290.77	499.98	2.59 N	2.75 W	0.04	-0.17
600.00	0.52	287.42	599.98	2.89 N	3.60 W	0.03	0.16
700.00	0.52	273.88	699.98	3.05 N	4.49 W	0.12	0.61
800.00	0.56	264.73	799.97	3.04 N	5.43 W	0.09	1.24
900.00	0.63	255.16	899.96	2.85 N	6.45 W	0.12	2.04
1000.00	0.66	247.58	999.96	2.49 N	7.52 W	0.09	3.01
1100.00	0.64	241.07	1099.95	2.01 N	8.53 W	0.08	4.04
1200.00	0.66	245.18	1199.95	1.50 N	9.54 W	0.05	5.08
1300.00	0.65	238.87	1299.94	0.96 N	10.54 W	0.07	6.14
1400.00	0.84	232.34	1399.93	0.22 N	11.61 W	0.21	7.40
1500.00	1.04	223.18	1499.92	0.88 S	12.81 W	0.24	9.02
1600.00	1.08	220.75	1599.90	2.26 S	14.04 W	0.06	10.87
1700.00	0.99	207.42	1699.88	3.74 S	15.05 W	0.25	12.65
1800.00	1.04	203.54	1799.87	5.34 S	15.82 W	0.08	14.36
1900.00	1.00	208.80	1899.85	6.94 S	16.60 W	0.10	16.08
2000.00	1.06	206.26	1999.84	8.53 S	17.43 W	0.08	17.83
2100.00	0.93	212.10	2099.82	10.05 S	18.27 W	0.16	19.53
2200.00	0.94	213.50	2199.81	11.42 S	19.15 W	0.02	21.15
2300.00	0.88	213.50	2299.80	12.75 S	20.03 W	0.06	22.73
2400.00	0.98	221.09	2399.78	14.03 S	21.02 W	0.16	24.34
2500.00	0.98	222.04	2499.77	15.32 S	22.15 W	0.02	26.06
2600.00	0.99	223.38	2599.75	16.58 S	23.32 W	0.02	27.78
2700.00	0.99	225.56	2699.74	17.81 S	24.53 W	0.04	29.50
2800.00	0.93	221.24	2799.72	19.03 S	25.68 W	0.09	31.17
2900.00	0.86	212.31	2899.71	20.27 S	26.62 W	0.15	32.73
3000.00	0.71	210.23	2999.70	21.44 S	27.33 W	0.16	34.08
3100.00	0.70	211.66	3099.70	22.50 S	27.96 W	0.02	35.29
3200.00	0.77	209.71	3199.69	23.60 S	28.62 W	0.07	36.56
3300.00	0.74	216.22	3299.68	24.71 S	29.34 W	0.09	37.86
3400.00	0.65	217.25	3399.67	25.68 S	30.06 W	0.08	39.07
3500.00	0.54	222.80	3499.66	26.48 S	30.72 W	0.13	40.11
3600.00	0.61	214.02	3599.66	27.27 S	31.34 W	0.12	41.11
3700.00	0.50	214.88	3699.66	28.07 S	31.90 W	0.11	42.08
3800.00	0.60	217.67	3799.65	28.85 S	32.47 W	0.10	43.04
3900.00	0.70	211.97	3899.64	29.78 S	33.11 W	0.12	44.17
4000.00	0.76	208.38	3999.64	30.89 S	33.75 W	0.08	45.43
4100.00	0.73	205.03	4099.63	32.05 S	34.34 W	0.05	46.69
4200.00	0.76	201.38	4199.62	33.25 S	34.85 W	0.05	47.94
4300.00	0.80	197.26	4299.61	34.54 S	35.30 W	0.07	49.20
4400.00	0.83	195.14	4399.60	35.90 S	35.70 W	0.04	50.50
4500.00	0.84	189.16	4499.59	37.33 S	36.00 W	0.09	51.78
4600.00	0.87	189.72	4599.58	38.80 S	36.25 W	0.04	53.06
4700.00	0.78	193.87	4699.57	40.22 S	36.54 W	0.11	54.32
4800.00	0.51	202.50	4799.56	41.30 S	36.88 W	0.29	55.35
4900.00	0.40	204.78	4899.56	42.02 S	37.19 W	0.11	56.11

All data is in feet unless otherwise stated
 Coordinates from Station 84 and TVD from wellhead.
 Vertical section is from wellhead on azimuth 220.70 degrees.
 Declination is 0.00 degrees, Convergence is 0.00 degrees.
 Calculation uses the minimum curvature method.
 Presented by Eastman Teleco

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert. Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100Ft	Vert Sect
5000.00	0.32	191.88	4999.56	42.61 S	37.40 W	0.11	56.69
5100.00	0.28	167.65	5099.56	43.12 S	37.40 W	0.13	57.08
5200.00	0.29	124.99	5199.55	43.50 S	37.14 W	0.21	57.20
5300.00	0.34	87.22	5299.55	43.63 S	36.64 W	0.21	56.98
5400.00	0.40	87.28	5399.55	43.60 S	36.00 W	0.06	56.53
5500.00	0.40	81.56	5499.55	43.54 S	35.31 W	0.04	56.03
5600.00	0.46	76.19	5599.54	43.39 S	34.57 W	0.08	55.44
5700.00	0.47	88.04	5699.54	43.28 S	33.76 W	0.10	54.83
5800.00	0.42	81.82	5799.54	43.21 S	32.99 W	0.07	54.27
5900.00	0.32	80.12	5899.54	43.11 S	32.35 W	0.11	53.78
6000.00	0.35	82.20	5999.54	43.02 S	31.78 W	0.04	53.34
6100.00	0.39	76.47	6099.53	42.90 S	31.14 W	0.05	52.83
6200.00	0.58	82.23	6199.53	42.75 S	30.31 W	0.19	52.18
6300.00	0.75	72.36	6299.52	42.49 S	29.19 W	0.20	51.25
6400.00	0.78	66.87	6399.51	42.02 S	27.95 W	0.08	50.08
6500.00	0.68	61.20	6499.50	41.47 S	26.80 W	0.12	48.92
6600.00	0.61	53.61	6599.50	40.87 S	25.85 W	0.11	47.84
6700.00	0.52	58.11	6699.49	40.31 S	25.03 W	0.10	46.88
6800.00	0.37	63.15	6799.49	39.92 S	24.36 W	0.16	46.15
6900.00	0.35	45.21	6899.49	39.56 S	23.85 W	0.11	45.54
7000.00	0.33	43.17	6999.49	39.13 S	23.43 W	0.03	44.95
7100.00	0.28	46.15	7099.49	38.75 S	23.06 W	0.05	44.42
7200.00	0.08	28.66	7199.48	38.52 S	22.85 W	0.20	44.10
7300.00	0.17	254.45	7299.48	38.50 S	22.96 W	0.24	44.16
7400.00	0.20	241.72	7399.48	38.62 S	23.26 W	0.05	44.44
7500.00	0.16	228.45	7499.48	38.80 S	23.52 W	0.06	44.75
7600.00	0.30	255.22	7599.48	38.96 S	23.87 W	0.17	45.10
7700.00	0.25	235.18	7699.48	39.15 S	24.30 W	0.10	45.53
7800.00	0.34	258.02	7799.48	39.33 S	24.78 W	0.15	45.98
7900.00	0.41	249.87	7899.48	39.52 S	25.41 W	0.09	46.53
8000.00	0.54	254.24	7999.48	39.77 S	26.19 W	0.13	47.23
8100.00	0.49	259.53	8099.47	39.98 S	27.06 W	0.07	47.95
8200.00	0.77	265.11	8199.46	40.11 S	28.15 W	0.29	48.77
8300.00	0.68	270.20	8299.46	40.16 S	29.42 W	0.12	49.63
8400.00	0.64	254.58	8399.45	40.31 S	30.54 W	0.18	50.48
8500.00	0.53	248.12	8499.44	40.63 S	31.52 W	0.12	51.36
8600.00	1.56	350.92	8599.43	39.46 S	32.16 W	1.76	50.89
8625.00	1.42	9.36	8624.42	38.82 S	32.16 W	1.99	50.40
8650.00	2.13	8.60	8649.41	38.05 S	32.04 W	2.82	49.74
8675.00	2.38	8.60	8674.39	37.08 S	31.90 W	0.98	48.91

All data is in feet unless otherwise stated
 Coordinates from Station 84 and TVD from wellhead.
 Vertical section is from wellhead on azimuth 220.70 degrees.
 Declination is 0.00 degrees, Convergence is 0.00 degrees.
 Calculation uses the minimum curvature method.
 Presented by Eastman Teleco

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.

Division of Oil and Gas
RECEIVED
DEC 22 1992
DIVISION OF OIL AND GAS

FOR DIVISION USE ONLY		
BOND	FORMS	
	OGD 114	OGD 121
BB	12-22-92 ✓	✓

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 Standard Sesnon #11, API No. 037-00763
(Well designation)
Sec. 28, T. 3N, R. 16W, SB B. & M., Aliso Canyon Field, Los Angeles County.

The present condition of the well is as follows:

- Total depth 9060'
- Complete casing record, including plugs and perforations (present hole)
 - 0' - 824' 13-3/8" 55# J-55
 - 0' - 3723' 7" 23# J-55
 - 3723' - 8767' 7" 23#, 26# & 29# N-80 packer at 8650', cement squeeze at 8692'. WSO at 8730'.
 - 8742' - 8957' 5" 18# J-55 Flush joint slotted liner
 - 8926' - 9058' 3-1/2" 8.81# J-55 Flush joint liner with 80 mesh
- Present producing zone name Sesnon; Zone in which well is to be recompleted same
- Present zone pressure 2700 pgig; New zone pressure _____
- Last produced Gas Storage Project
(Date) *(Oil, B/D)* *(Water, B/D)* *(Gas, Mcf/D)*
(or)
Last injected _____
(Date) *(Water, B/D)* *(Gas, Mcf/D)* *(Surface pressure, psig)*
- Is this a critical well according to the definition on the reverse side of this form? (Yes) (No)

The proposed work is as follows:

- Move in, rig up, install and test BOPE.
- Pull production tubing and 7" packer.
- Clean out well.
- Cement squeeze casing leak and test.
- Install 7" packer.
- Install production tubing.
- Remove BOPE and return well to service.

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
(Street)
Los Angeles, CA 90051
(City) (State) (Zip)
Telephone Number (213) 244-2665

Southern California Gas Co.
(Name of Operator)
By E. S. Sinclair for R. D. Phillips (Agent)
(Name - Printed)
Stanley Sinclair 12/18/92
(Name - Signature) (Date)

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

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 22G0
Los Angeles, CA 90051-1249

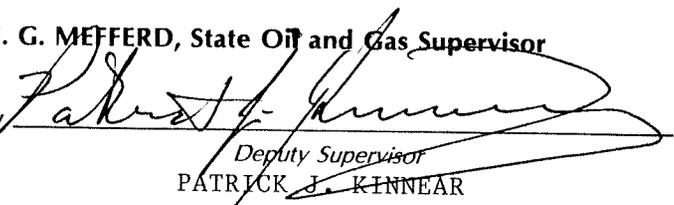
Your request, dated July 24, 1991, proposing to change the designation of well(s) in Sec. 28, T. 3N, R. 16W, S.B. B. & M., Aliso Canyon field, Los Angeles County, District No. 2, has been received.

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

So Calif Gas

OPERATOR *Pact 154*
 LSE & NO *SF 711 SS-11*
 MAP NO. *260*

INTENTION	<i>None Needed</i> 1	<i>rework</i> 2	<i>alter case in</i> 3	<i>Re-work</i> 4	5
NOTICE DATED	<i>None</i>	<i>9-3-77</i>	<i>10-25-78</i>	<i>--</i>	}
P-REPORT NUMBER	<i>None</i>	<i>277-331</i>	<i>278-316</i>	<i>279-365</i>	
CHECKED BY/DATE					
MAP LETTER DATED	<i>N/C</i>	<i>N/C</i>	<i>N/C</i>	<i>N/C</i>	
SYMBOL	<i>N/C</i>	<i>N/C</i>	<i>N/C</i>	<i>N/C</i>	

NOTICE HISTORY SUMMARY	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
	<i>9-6-73</i>		<i>9-12-77</i>	<i>X</i>	<i>11-13-78</i>	<i>2-9-79</i>	<i>12-6-79</i>	<i>7-18-80</i>		
			<i>12-1-77</i>	<i>X</i>		<i>-</i>		<i>7-18-80</i>		
IES/ELECTRIC LOG										
DIRECTIONAL SURV.										
CORE/SWS DESCIP.										
DIPMETER RESULTS								<i>inactive March</i>		
OTHER			<i>BoRE 11-77</i>							
RECORDS COMPLETE	<i>9-6-73</i>		<i>12-1-77</i>	<i>N/C</i>	<i>✓</i>			<i>JP</i>		

ENGINEERING CHECK	CLERICAL CHECK
T-REPORTS	POSTED TO 121 _____ 170 MAILED _____ FINAL LETTER _____
OPERATOR'S NAME	MAILED _____
WELL DESIGNATION	RELEASE _____
LOC. & ELEV.	BOND _____
SIGNATURE	_____
SURFACE INSPECTION	_____
FINAL LETTER OK	_____

REMARKS: _____

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

DIVISION OF OIL AND GAS
RECEIVED

JUL 18 1980

SANTA PAULA, CALIFORNIA

History of Oil or Gas Well

Operator Southern California Gas Co. Field or County Aliso Canyon
Well WEZU Standard Sesnon #11, Sec. 28, T 3N, R 16W, S. B.B. & M.
A.P.I. No. 037-00763 Name P.S. Magruder, Jr. Title Agent
Date June 12, 19 80 (Person submitting report) (President, Secretary or Agent)

Signature *P.S. Magruder*

P.O. Box 3249 Terminal Annex, Los Angeles, Cal 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
- 1980
- 3.24 0 Day. Moved Sierra Production Service Rig #M-30 from Wezu #15 to Standard Sesnon #11 and started rigging up.
- 3.25. 1st Day. Finished rigging up. Attempted to circulate well. (No returns with 240 bbls). Mixed 80 bbls of 300 viscosity 63#/cu.ft. polymer pill and pumped into well. Shut down for two hours. Pumped 30 bbls but well is still taking fluid.
- 3.26. 2nd Day. Pumped 200 bbls of polymer completion fluid in well with slight blow on surface before annulus went on vacuum. Mixed 80 bbls of 300 viscosity 63# polymer pill and spotted at 8,660'. Shut down two hours. Pumped 240 bbls of polymer completion fluid and filled well. Installed back pressure valve in doughnut. Removed xmas tree and installed 8" 5,000 psi class III BOPE.
- 3.27. 3rd Day. Made the following tests with water and nitrogen:
- | | | |
|------------|-----------|------------|
| Hydril | 3,000 psi | 20 minutes |
| Pipe Rams | 4,000 psi | 20 minutes |
| Blind Rams | 4,000 psi | 20 minutes |
| Manifold | 4,000 psi | 20 minutes |

Removed back pressure valve from doughnut; unlatched doughnut and released latch from Otis packer at 8,660'. Circulated well, losing 2 bbl/minute. Mixed and spotted 80 bbls of 300 sec. viscosity polymer pill from 8,650' to 6,650' and shut well in.

3.28. 4th Day. Attempted to circulate well and found a loss of 2 bbl/minute when well filled. Pulled out of well with safety system and Otis latch type seal. Ran Baker 7" Retrievable bridge plug and fullbore retainer in well. Set bridge plug at 8,650' and fullbore at 8,625'. Pressured below fullbore 2,700 psi for 20 minutes. Pressured above fullbore 2,700 psi for 20 minutes. Released tools and set retrievable bridge plug at 3,000'.

3.29. 5th Day. Continued pressure testing as follows:

3,000' to surface	3,000 psi	20 minutes
2,000' to surface	3,500 psi	20 minutes
750' to surface	4,000 psi	20 minutes

Retrieved Baker retainer and retrievable bridge plug from well. Ran Otis retrieving tool to 8,660', attached to permatrieve packer, released and retrieved packer from well. Ran casing scraper to 8,000' and secured well.

3.30. Rig and crew idle.

3.31. 6th Day. Finished running 7" scraper to 8,730'. Attempted to circulate well with no success. Pulled out of well with scraper. Using Welex electric line, set Halliburton 7" "Easy Drill" bridge plug at 8,720'. Ran 310' of 2 7/8" tubing tail below Baker fullbore retrievable retainer and set retainer at 8,387', with tail at 8,697'. Pressured against plug at 8,720' with 1,000 psi. Released retainer and displaced polymer completion fluid from well with 360 bbls of lease water. Spotted and equalized 30 cu.ft. of 12% HCL and 3% HF acid preceded by 100 cu.ft. and followed by 10 cu.ft. of fresh water. Pumped and displaced 30 cu.ft. of acid into holes at 8,692', 20 cu.ft./minute at 3,000 psi. Released retainer and started out of well.

4.01. 7th Day. Finished pulling out of well with retrievable retainer. Using Welex electric line, set Howco cement retainer at 8,610'. Ran Howco stinger to retainer and obtained breakdown at 20 cu.ft./minute with 3,000 psi.

Squeeze #1 : preceded by 10 cu.ft. and followed by 20 cu.ft. of fresh water, mixed and displaced 50 sacks of latex cement out holes at 8,692' and over displaced 20 cu.ft. with water. Maximum pressure 2,600 psi.

Squeeze #2 : preceded by 10 cu.ft. and followed by 20 cu.ft. of fresh water, mixed and displaced 100 sacks (140 cu.ft.) of latex cement out holes at 8,692' and over displaced 20 cu.ft. past holes. Maximum pressure 3,000 psi. Pressure dropped to 2,600 psi in 30 seconds; 1,400 psi in 1 minute and remained at 1,400 psi in 5 minutes.

- 4.02. 8th Day. Found 1,200 psi still against cement. Repressured squeeze at 3,000 psi for 20 minutes. (No loss). Released Halliburton latch from cement retainer and pulled out of well. Made up 6" bit, two 5" OD junk subs and 4 3/4" bumper sub on four 4 3/4" drill collars and started drilling cement retainer at 8,610'.
- 4.03. 9th Day. Finished drilling up retainer. Drilled out cement from 8,667' to 8,694' and cleaned out to 8,700'. Ran 310' of 2 7/8" tubing tail below fullbore retainer and set retainer at 8,386'. Pressured below retainer 2,500 psi for 30 minutes.
- 4.04. 10th Day. Ran Dresser Atlas wireline gun in well and found fill to 8,691'. Pulled out of well with gun. Ran open end tubing with sawtooth collar and cleaned out to 8,700'. Ran Dresser Atlas bullet gun and shot eight 1/2" holes at 8,691'. Ran 310' of tubing tail below retrievable retainer and set retainer at 8,376'. Pressured below retainer to 2,500 psi and lost 500 psi in 1 minute.
- 4.05. 11th Day. Preceded by 100 cu.ft. of fresh water and followed by 10 cu.ft., pumped 30 cu.ft. of 12% HCL and 3% HF acid in well; displaced acid into holes at 8,691' at 20 cu.ft./minute with 3,000 psi. Released retrievable retainer and pulled out of well. Using Dresser Atlas electric line set Halliburton cement retainer at 8,605'. Ran Halliburton latch type stinger on retainer; pumped below retainer to check if ready.
- Squeeze #1 : preceded by 10 cu.ft. fresh water and followed by 10 cu.ft. fresh water, mixed 100 sacks of latex cement (140 cu.ft.) and displaced cement past holes at 8,691' by 30 cu.ft.
- Squeeze #2 : preceded by 10 cu.ft. fresh water and followed by 10 cu.ft. fresh water, mixed and overdisplaced 100 sacks (140 cu.ft.) of latex cement 30 cu.ft. past holes at 8,691'. Maximum squeeze pressure was 2,000 psi at 1 cu.ft./minute during displacement.
- 4.06. Rig and crew idle.
- 4.07. 12th Day. Held 3,000 psi for 20 minutes with no breakdown. Pulled out and ran in with 6" bit, four drill collars and two junk baskets. Drilled out retainer and found hard cement at 8,670'. Drilled out cement to 8,700'.
- 4.08. 13th Day. Pulled out of well. Ran back in well with new 6" bit, two junk baskets, casing scraper and four drill collars. Cleaned out to 8,702' and circulated one hour. Pulled out and ran back with 310' of 2 7/8" tubing tail and RTTS retrievable retainer tail at 8,658' and retainer at 8,348'.

- 4.09. 14th Day. Pressure tested holes at 8,691' with 2,500 psi for 20 minutes. Pulled out of well. Ran in and shot four 1/2" bullet holes at 8,690'. Ran in well with 310' of 2 7/8" tail and a RTTS retainer. Set retainer at 8,382'. Pressure tested holes at 8,690' with 2,500 psi for 20 minutes. Pulled out and ran back to 2,000' with Halliburton tester for WSO test.
- 4.10. 15th Day. Ran in well from 2,000' with Halliburton tester and set packer at 8,661'. Opened tool at 8:10 am and flowed to Baker tank with 500 psi surface pressure for 20 minutes. Surface pressure dropped to zero. Continued flowing for two hours with light blow. Recovered 360' rise of well fluid. Ran in with 310' of 2 7/8" tail, RTTS retainer. Set retainer at 8,363' and tail at 8,693', pressure up to 3,000 psi and obtained breakdown of 2 cu.ft./minute.
- 4.11. 16th Day. Equalized 44 cu.ft. of 12% HCL and 3% HF acid at 8,690'. Breakdown rate 17 cu.ft./minute at 2,000 psi. Pumped away 29 cu.ft. Pulled out and ran drillable retainer on wire line and set at 8,650'. Pumped 10 cu.ft. of acid followed by 140 cu.ft. of 108#/cu.ft. latex cement. Displaced 100 cu.ft. of cement at 1,300 psi and 40 cu.ft. at 1,900 psi. Cleared holes with 30 cu.ft. of salt water. Total displacement 324 cu.ft.
- 4.12. 17th Day. Stabbed into retainer and pressured up to 3,000 psi, bled back to 2,600 psi in 31 minutes. Pulled out of well. Ran in with 6" bit, two junk subs, 7" casing scraper, four 4 3/4" drill collars. Drilled up drillable retainer at 8,650' and cleaned out to 8,708'. Pulled out of well.
- 4.13. Rig and crew idle.
- 4.14. 18th Day. Ran Howco retrievable retainer to 8,380'. Set retainer and pumped below retainer at 11 cu.ft./minute with 2,500 psi. Released retainer and pulled out of well. Using Welex electric line, set Howco 7" "Easy Drill" retainer at 8,603. Ran Howco stinger to retainer. Preceded with 20 cu.ft. and followed by 10 cu.ft. fresh water, mixed and displaced 200 sacks latex cement (280 cu.ft.) 60 cu.ft. past holes at 8,690'. Maximum surface pressure 2,200 psi at 5 cu.ft./minute; final surface pressure 1,800 psi at 2 cu.ft./minute.
- 4.15. 19th Day. Squeeze #1 : preceded by 20 cu.ft. and followed by 10 cu.ft. fresh water, mixed and overdisplaced 200 sacks of latex cement (280 cu.ft.) 60 cu.ft. past holes at 8,690'; maximum pressure was 2,200 psi.
- Squeeze #2 : preceded by 20 cu.ft. and followed by 10 cu.ft. of fresh water; mixed and overdisplaced 225 sacks (260 cu.ft.) of class "G" cement with 0.75% CFR-2, 60 cu.ft. past holes at 8,690'; maximum pressure 2,800 psi.

Squeeze #3 : preceeded by 20 cu.ft. and followed by 10 cu.ft. fresh water, mixed 125 sacks of class "G" cement (144 cu.ft.) with 0.75% CFR-2 and displaced 96 cu.ft. out holes at 8,690'. Final squeeze pressure 3,000 psi. Released Howco stinger from retainer, backscuttled excess cement out of tubing and started out of well with tubing.

- 4.16. 20th Day. Finished pulling out of well with Howco stinger. Ran 6" bit, four 4 3/4" drill collars to 8,603'. Drilled out Howco "Easy Drill" retainer and cleaned out to 8,710'. Circulated well and pulled out of well.
- 4.17. 21st Day. Ran Howco retrievable retainer to 8,381' with tail to 8,691'. Pressured below retainer to 2,500 psi for 20 minutes. Pulled retainer out of well. Using Welex, shot four 1/2" jet holes at 8,689', ran retrievable retainer to 8,381' with tail to 8,691'. Pressured below retainer to 2,500 psi for 20 minutes. Released retainer and pulled out of well.
- 4.18. 22nd Day. Ran Lynes 7" test tools with three recorders to 8,664' with tail at 8,682'. Opened tool and had medium blow for ten minutes and faint blow throughout remainder of test. Recovered 490' of heavy cement cut water; recorder carriers in test tool were partially plugged with pieces of iron, brass and cement. Ran open end tubing to bridge plug at 8,720'. Backscuttled well and found gas in returns. Circulated well volume down tubing for two hours, working gas out of system. Started out of well.
- 4.19. 23rd Day. Finished pulling out of well. Ran 7" Baker retrievable plug below Lynes 7" test tools to 8,700' and set retrievable plug. Attempted to set Lynes test tool at 8,660' but would not set. Pulled out of well and found safety joint above Lynes test tool had backed off, leaving test equipment in well. Ran back in well and screwed back into safety joint and started out of well.
- 4.20. Rig and crew idle.
- 4.21. 24th Day. Finished pulling out of well and retrieved all test tool equipment and retrievable plug. Reran 7" retrievable plug in well and set at 8,705'. Ran Lynes 7" test tools with three recorders to 8,633' with tail at 8,662'. Made one hour test. Results were as follows:

Recorder #1 (8,615')	Recorder #2 (8,643')	Recorder #3 (8,653')
IH	IH 3808	IH 3812
FH	FH 3768	FH 3808
IF 80	IF 81	IF 81
FF 80	FF 81	FF 81

Recovered 150' rise of hole fluid in 2 7/8" tubing. WSO by Company. Started in well with Baker retrieving tool.

- 4.22. 25th Day. Ran Baker retrieving tool to 8,651'. Attached to retrievable plug. (Plug had moved up while testing from 8,705' to 8,651'). Retrieved plug from well. Made up drilling assembly (6" bit, two 5" OD junk subs, hydraulic jars and bumper sub and four 4 3/4" OD drill collars). Ran to 8,716'. Ran Triangle noise log from 8,700' to 7,500'. (No indication of noise).
- 4.23. 26th Day. Displaced 63#/cu.ft. lease brine from well with 350 bbls of 63# polymer completion fluid. Drilled out 7" permanent bridge plug at 8,720'. Circulated well and pulled out of well. Made up 4 1/2" bit on two 3 1/2" OD junk baskets, hydraulic jars and bumper sub and 180' of 2 3/8" drill collars and started in well.
- 4.24. 27th Day. Drilled up remainder of 7" bridge plug on top of liner, at 8,730' and cleaned out to top of 3 1/2" liner at 8,926'. Pulled out of well. Ran Lynes testing tools with 7' of tail to 8,717'. Installed test tree and safety valve on line to Gas Company withdrawal system. Pressure tested surface lines and tree to 4,000 psi.
- 4.25. 28th Day. Set Lynes test tools at 8,717' with tail at 8,724' opened to Gas Company lines from 9:30 am to 8:00 pm. Pressure increased to 1,000 psi in 4 minutes and continued flowing at 1,000 psi during test. Close in surface pressure was 2,500 psi. Backscuttled gas out of tubing and shut well in.
- 4.26. 29th Day. Ran Triangle noise log from 8,690' to 7,500'. Log showed gas leak. Released Lynes test tools and pulled out of well. Ran and set Baker model "G" 7" Lok Set retrievable bridge plug at 8,720'. Displaced 63# polymer completion fluid from well with 350 bbls of 63# lease brine. Equalized 4 sacks of sand on plug at 8,720'. Pulled ten stands. Secured well.
- 4.27. Rig and crew idle.
- 4.28. 30th Day. Located top of sand at 8,699'. Equalized 15 cu.ft. of 12% HCL and 3% HF acid at 8,691'. Using Welex, set Howco 7" "Easy Drill" cement retainer at 8,605'. Ran Howco stinger to 8,600', displaced 15 cu.ft. of 12% HCL and 3% HF acid to 8,480' inside tubing. Attached stinger to retainer and established breakdown. Preceded by 10 cu.ft. and followed by 20 cu.ft. of fresh water, mixed and displaced 200 sacks (230 cu.ft.) of class "G" cement with 0.75% CFR-2, 60 cu.ft. past holes at 8,689'. (120#/cu.ft. slurry). Maximum surface pressure reached was 2,800 psi.

- 4.29. 31st Day. Pumped down tubing 12 cu.ft./minute at 2,800 psi to check previous cement job. Attempted to release stinger from Howco Easy Drill retainer but would not release. Ran Go-International Free Point and found tubing stuck at 6,951'. Made chemical cut at 6,885' (middle of a joint) and pulled out of well. Made up 5 11/16" OD washover shoe on 3 joints 90' of 5 1/2" OD washpipe; hydraulic jars; bumper sub and 4 3/4" drill collars and started in well.
- 4.30. 32nd Day. Ran washpipe freely to 6,978'. Circulated well and pulled out. Ran in well with 2 7/8" overshot, bumper sub, hydraulic jars and four 4 3/4" drill collars. Attached to top of fish at 6,885' and jarred on fish but would not release. Released from fish and pulled out of well. Ran back in well with overshot and attached to fish. Using Dialog, ran Free Point indicator, found tubing free to 8,598'. Made chemical cut at 8,573'; leaving 4" stub and 1 joint (31') above squeeze tool.
- 5.01. 33rd Day. Pulled out of well with tubing. (Recovered 1,688' of fish). Made up 5 13/16" OD washover shoe on 60' of 5 1/2" OD wash pipe; hydraulic jars, bumper sub and four 4 3/4" drill collars, and cleaned out to 8,596' and milled up cement from 8,596' to 8,605'. (Top of retainer). Started out of well with tubing dragging.
- 5.02. 34th Day. Finished pulling out of well with washover shoe. Ran 2 7/8" overshot with hydraulic jars, bumper sub, and four 4 3/4" OD drill collars to top of fish at 8,573'. Attached to fish but were unable to jar free. Released overshot and pulled out of well. Made up 5 13/16" OD mill shoe on 60' of 5 1/2" OD washpipe, hydraulic jars, bumper sub and four 4 3/4" drill collars. Ran to 8,605' and milled for three hours.
- 5.03. 35th Day. Finished milling retainer at 8,605'. Pulled out of well with washover shoe. Ran 2 7/8" overshot, bumper sub, jars and four 4 3/4" drill collars to top of fish; found at 8,604'. Attached overshot to fish and pulled out of well. Retrieved remainder of tubing and stab-in cementing tool.
- 5.04. Rig and crew idle.
- 5.05. 35th Day. Ran 4 13/16" OD mill shoe on 6' cylinder to 8,640'. Milled over and retrieved Halliburton cement retainer. Ran Howco 7" retrievable retainer with 60' of tail. Set retainer and obtained breakdown into WSO holes at 8,689'.

- 5.06. 36th Day. Pulled out of well with Howco retrievable retainer. Using Welex electric line, set Howco 7" "Easy Drill" cement retainer at 8,585'. Ran Howco stinger to retainer and pumped below retainer 6 cu.ft./minute at 2,000 psi. Preceded by 50 cu.ft. and followed by 10 cu.ft. of fresh water, mixed 200 sacks (230 cu.ft.) of class "G" cement with 0.75% CFR-2 and displaced 117 cu.ft. into holes at 8,689'. (Maximum squeeze pressure = 3,000 psi). Backscuttled excess cement out of well and pulled stinger out of well. Made up 6" bit on two 5" OD junk subs and four 4 3/4" OD drill collars and started in well.
- 5.07. 37th Day. Drilled up cement retainer at 8,585'. Drilled out cement to 8,691' (bottom of cement). Displaced 63#/cu.ft. lease brine from well with 350 bbls of 63#/cu.ft. polymer completion fluid and started out of well.
- 5.08. 38th Day. Pulled out of well with drilling assembly. Ran 30' of tubing tail below Howco retrievable retainer and set retainer at 8,668'. Pressured annulus to 1,500 psi and tubing to 2,500 psi. Tubing pressure dropped 300 psi in 3 minutes then remained at 2,100 psi.
- 5.09. 39th Day. Displaced 63#/cu.ft. polymer completion fluid from well with 63#/cu.ft. lease water. Set Howco retrievable retainer and obtained breakdown of 6 cu.ft./minute with 2,900 psi. Spotted and displaced 30 cu.ft. of 12% HCL and 3% HF acid out of holes at 8,689' and obtained breakdown with 3,000 psi. Pulled out of well with retrievable retainer. Using Welex wire line, set Howco 7" drillable retainer at 8,580'. Ran Howco stinger to retainer and obtained breakdown at 11 cu.ft./minute with 3,000 psi. Preceded by 10 cu.ft. and followed by 40 cu.ft. of fresh water, mixed 200 sacks of class "G" cement with 0.75% CFR-2 (230 cu.ft.) and displaced 207 cu.ft. out holes at 8,689' before reaching 3,000 psi surface pressure. Released from retainer leaving 3,000 psi under retainer. Backscuttled tubing and started out of well.
- 5.10. 40th Day. Finished pulling out of well with stinger. Made up 6" bit on two 5" OD junk subs and four 4 3/4" drill collars. Drilled up retainer at 8,580' and drilled out cement to 8,600'. Circulated well and pulled ten stands and secured well.
- 5.11. Rig and crew idle.
- 5.12. 41st Day. Finished drilling cement to 8,692'. Circulated well and pulled out with bit. Ran Howco 7" retrievable retainer to 8,670' with tail to 8,700'. Set retainer and pressured below retainer 2,300 psi for 25 minutes with no pressure loss. Ran Triangle noise log from 8,700' to 2,500' and found high noise level from 8,700' to 5,400'.

- 5.13. 42nd Day. Ran retrievable retainer back to 8,670' with tail to 8,700'. Equalized 30 cu.ft. of 12% HCL and 3% HF acid, preceded and followed by 50 cu.ft. of fresh water from 8,700' to 8,560'. Pressured acid for two hours with no loss. Pulled out of well with retrievable retainer. Using Dresser Atlas, shot four 1/2" bullet holes at 8,687'. Reran Howco 7" retrievable retainer to 8,300' with tail to 8,331'. Set retainer and displaced acid into holes at 8,687' at 16 cu.ft./minute with 3,000 psi.
- 5.14. 43rd Day. Pulled out of well with retrievable retainer. Using Dresser Atlas Electric line, set 7" "Easy Drill" retainer at 8,587'. Ran Howco stinger to retainer on tubing. Preceded by 10 cu.ft. of fresh water, mixed 500 sacks (690 cu.ft.) of latex cement and displaced 614 cu.ft. out the holes at 8,687' before reaching 3,000 psi surface pressure. Released stinger from retainer and backscuttled excess cement from well. Pulled out of well. Made up 6" bit on two 5" OD junk subs and four 4 3/4" drill collars and started in well.
- 5.15. 44th Day. Finished running in well with 6" bit and drilling assembly. Started drilling retainer at 8,527'. Pulled five stands and secured well.
- 5.16. 45th Day. Finished drilling retainer and cement to 8,692'. Cleaned out to 8,713' and circulated well. Pulled out with drilling assembly. Ran 7" Howco retrievable retainer to 8,670' with tail to 8,700'. Set retainer and pumped into holes at 8,687' with 2 cu.ft./minute at 3,000 psi. Released retainer and started out of well.
- 5.17. 46th Day. Finished pulling out of well with retrievable retainer. Using Dresser Atlas, set 7" Howco "Easy Drill" retainer at 8,650'. Ran Howco stinger on 2 7/8" tubing to retainer. Preceded by 10 cu.ft. of fresh water, mixed 50 sacks (57 cu.ft.) of class "G" cement with 0.75% CFR-2 and displaced 10 cu.ft. into holes at 8,687' before reaching 3,000 psi squeeze pressure. Backscuttled excess cement from well and started out of well.
- 5.18. Rig and crew idle.
- 5.19. 47th Day. Finished pulling out of well. Ran 6" bit on two 5" OD junk subs and four 4 3/4" OD drill collars to 8,650'. Drilled up retainer at 8,650' and cement to 8,689'. Circulated well and pulled out with drilling assembly. Made up 7" retrievable retainer on 2 7/8" tubing and started in well.

- 5.20. 48th Day. Set Howco 7" retrievable retainer at 8,670' with tail to 8,700'. Pressure tested holes at 8,687' at 2,300 psi for one hour with no loss. Ran Triangle Audio Analyzer Log from 8,700' to 7,500'. (Showed no noise in well). Ran Baker retrieving tool on 2 7/8" tubing to 8,710'. Displaced lease water from well with 67#/cu.ft. polymer completion fluid.
- 5.21. 49th Day. Cleaned out cement and sand from 8,709' to retrievable bridge plug at 8,720'. Attached to bridge plug and pulled out of well but did not retrieve bridge plug. Ran Baker retrieving tool on hydraulic jars, bumper sub and four 4 3/4" drill collars; attached to retrievable bridge plug and started out of well.
- 5.22. 50th Day. Pulled out of well but did not retrieve bridge plug. Ran 2" overshot with new hydraulic jars, bumper sub and four 4 3/4" OD drill collars. Attached to retrievable bridge plug but hydraulic jars would not operate. Attempted to work bridge plug loose with no success. Pulled out of well with overshot. Made up 5 3/4" OD x 8' washover shoe on bumper sub, new hydraulic jars and four drill collars. Started in well.
- 5.23. 51st Day. Cleaned out and backscuttled on top of retrievable plug at 8,726'. Pulled out of well with washover shoe. Ran overshot on bumper sub, hydraulic jars and four 4 3/4" OD drill collars and attached overshot to control mandrel of retrievable plug at 8,723'. Jarred for three hours but bridge plug would not come free. Released overshot from bridge plug.
- 5.24. Rig and crew idle.
- 5.25. Rig and crew idle.
- 5.26. Rig and crew idle.
- 5.27. 52nd Day. Released overshot from retrievable bridge plug and pulled out of well. Ran new Baker retrieving tool on bumper sub, hydraulic jars and four 4 3/4" drill collars. Attached to retrievable bridge plug and attempted to release bridge plug without success. Pulled retrieving tool out of well. Made up Midway fishing tools, carbide tipped mill shoe (5 3/4" OD x 4 7/8" ID) on bumper sub, hydraulic jars and four 4 3/4" OD drill collars and started milling over retrievable bridge plug at 8,726'.
- 5.28. 53rd Day. Continued milling on retrievable bridge plug for five hours. Pulled out of well and ran new 5 3/4" x 4 7/8" mill shoe on milling assembly. Continued milling on retrievable bridge plug at 8,726'.

- 5.29. 54th Day. Continued milling on retrievable bridge plug with mill #2 for four and half hours. Ran new mill shoe #3 on milling assembly and milled on retrievable plug at 8,726' for five hours.
- 5.30. 55th Day. Continued milling with mill #3 for five hours. Pulled mill out of well and found mill in good condition. Reran mill #3 and continued milling.
- 5.31. 56th Day. Continued milling with mill #3 for thirteen hours. Circulated well and started out of well.
- 6.01. Rig and crew idle.
- 6.02. 57th Day. Finished pulling out with mill shoe #3. Made up mill shoe #4 on milling assembly and milled from 8,726' to 8,728' over bridge plug. Started out of well with mill shoe #4.
- 6.03. 58th Day. Finished pulling out of well with mill shoe. Ran 2" overshot on hydraulic jars, bumper sub and four 4 3/4" OD drill collars to top of retrievable plug. Attached to plug and jarred plug loose. Pulled out of well and recovered remainder of tool. Made up 196' of 2 3/8" tubing tail below 7" casing scraper on 2 7/8" tubing and cleaned out to 8,730' with scraper and tail to 8,926'. Circulated well and started out of well.
- 6.04. 59th Day. Pulled out of well with scraper and 2 3/8" tail. Ran Lynes 7" test tool with 8' of tail to 8,650' with tail to 8,658'. Pressure tested surface flow lines and manifold to 3,000 psi.
- 6.05. 60th Day. Set Lynes test tool and opened flow into Gas Company withdrawal system for four hours. Closed tool, backscuttled gas out of tubing and secured well for noise log.
- 6.06. 61st Day. Ran Triangle noise log from 8,627' to 7,500'; showed no noise. Released Lynes test tool and pulled out of well. Using McCullough electric line ran Otis 7" permatrieve packer at 8,650'.
- 6.07. 62nd Day. Made up Otis Seal Assembly on 2 7/8" tubing and started in well, breaking off used collars, cleaning the tubing pins and installing inspected collars.
- 6.08. Rig and crew idle.

- 6.09. 63rd Day. Finished changing and Baker sealing tubing collars while going in well. Landed locator latch in Otis packer and pressure tested annulus with 1,500 psi for 20 minutes. Released locator latch from Otis permatrieve and pulled out of well. Made up Otis locator latch with three seals on 2 7/8" x 10' Camco Blast joint, 2 7/8" Camco 2.25" "D" No-Go nipple, 2 7/8" x 20' Camco Blast Joint, 2 7/8" Camco annular flow safety system, 1 joint of 2 7/8" tubing and 2 7/8" Camco MMG mandrel with DCRT valve in place and started hydrotesting tubing with 5,000 psi for 1 minute while going in well.
- 6.10. 64th Day. Finished hydrotesting tubing in well. Attached locator latch to Otis Permatrieve packer at 8,650'. Pulled 25,000# over tubing weight and set 10,000# down on packer. Spaced out tubing and relanded latch in packer and pulled 25,000# over tubing weight on latch; latch had 5,000# set down weight on it when doughnut was in place. Installed back pressure valve in doughnut; removed BOPE and installed tree.
- 6.11. 65th Day. Pressure tested doughnut, seal flange and tree to 5,000 psi for two hours. Removed back pressure valve from doughnut and closed well in. Installed blind flanges on wing valves. Released rig.

DIVISION OF OIL AND GAS

Report on Operations

Mr. J. W. Tenfelder, Agent
Southern Calif. Gas Co.
12801 Tampa Avenue
Northridge, CA 91324

Santa Paula, Calif.
April 9, 1980

Your operations at well "SP21" SS-11, API No. 037-00763, Sec. 28, T. 3N R. 16W
S.B. B. & M. Aliso Canyon Field, in Los Angeles County, were witnessed
on 3/27/80 by Fred Taylor, representative of the supervisor, was
present from 1330 to 1900. There were also present Ed Bradbury, consultant

Present condition of well: No additions to the casing record since proposal dated 12/10/79.

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

DECISION:

THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

b

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

John L. Hardoin

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

No. P. 279-365

REPORT ON PROPOSED OPERATIONS010
(field code)03
(area code)30
(pool code)

Mr. J. W. Tenfelder, Agent
So. California Gas Co.
12801 Tampa Ave.,
Northridge, CA 91324

Santa Paula, California
Dec. 10, 1979

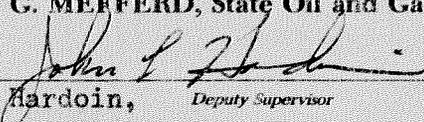
Your proposal to rework well "SEZU" SS-11,
A.P.I. No. 037-00763, Section 28, T. 3N, R. 16W, S.B. B. & M.,
Aliso Canyon field, Main area, Sesnon-Frew pool,
Los Angeles County, dated --, received 12/6/79 has been examined in conjunction with records
filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Hole fluid of sufficient quality and quantity shall be maintained in the hole to control any subsurface condition, and a reserve supply shall be on hand for emergencies.
2. Blowout prevention equipment of at least DOG Class III 3M shall be installed on the 7" casing 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.

Blanket Bond
EH:b

M. G. MEFFERD, State Oil and Gas Supervisor

By 
John L. Hardoin, Deputy Supervisor

DIVISION OF OIL AND GAS

Notice of Intention to Rework Well

DEC 6 1979

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 PAOLA, CALIFORNIA

FOR DIVISION USE ONLY		
BOND	FORMS	
	114	121
56	✓	✓

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 11, API No. 037-00763, Sec. 28, T. 3N, R. 16W, S.B. B. & M., Aliso Canyon Field, Los Angeles County.

The present condition of the well is as follows:

- Total depth. 9060'
- Complete casing record, including plugs and perforations:
 - 13-3/8" cemented 824'
 - 7" cemented 8767', cp'd 8692', WSO 8730'
 - 227' 5" landed 8957', top 8730', slotted 8763'-8957'
 - 132' 3 1/2" landed 9058', top 8926', slotted 8931'-9058'

- Present producing zone name Sesnon Zone in which well is to be recompleted _____
- Present zone pressure 3600 PSI New zone pressure _____
- Last produced _____ (Date) GAS STORAGE WELL (Oil, B/D) _____ (Water, B/D) _____ (Gas, Mcf/D)
- or _____ (Date) _____ (Oil, B/D) _____ (Water, B/D) _____ (Gas, Mcf/D)
- 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 BOPE and pressure test.
- Pull tubing and recover packer. Set bridge plug at 8720'. Squeeze holes at 8692' with cement. Pressure test. Shoot 4-1/2" holes 8691', pressure test and test WSO. Run audio analyzer log. Make production test and run Audio Analyzer log. Set production 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 Southern California Gas Co.
(Street) (Name of Operator)
Los Angeles CA 90051 By P.S. Magruder, JR
(City) (State) (Zip) (Name) (Date)
 Telephone Number (213) 689-3561 Type of Organization Corporation
(Corporation, Partnership, Individual, etc.)

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

DIVISION OF OIL AND GAS
RECEIVED

FEB 9 1979

SANTA PAULA, CALIFORNIA

History of Oil or Gas Well

Operator.....SOUTHERN CALIFORNIA GAS COMPANY..... Field or County.....ALISO CANYON
Well.....STANDARD SESNON #11....., Sec. 28., T. 3N., R. 16W., S.B.B. & M.
A.P.I. No. 037-00763..... Name. P.S. Magruder, Jr. Title Agent
Date December 4, 1978..... (Person submitting report) (President, Secretary or Agent)

Signature *P.S. Magruder, Jr.*

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

1978

MWO 99556

(Repair Shoe Leak)

- 11-8 0 Day. Killed well with 335 barrels of 70#/cu.ft. polymer completion fluid. Moved in California Production Service Rig #D-4. Rigging up.
- 11-9 1st Day. Installed choke manifold. Circulated and conditioned gas cut completion fluid. Installed back-pressure valve in doughnut and removed X-mas tree. Installed 8" Class III B.O.P.E. Tested blind rams and pipe rams with 4000 psi for 20 minutes.
- 11-10 2nd Day. Tested "GK" Hydril with water and nitrogen to 3,000# psi for 20 minutes. Tested 2-7/8" pipe rams, blind rams and choke manifold to 4000# psi with nitrogen for 20 minutes. Released from Baker packer at 8670'. Pulled up 6 stands. Circulated gas from well.
- 11-11 3rd Day. Pulled out of well. Layed down Camco safety system and Baker seals. Ran 6" bit and casing scraper to 8674'. Pulled out of hole. Ran Baker retrieving tool. Circulated bottoms up.
- 11-13 4th Day. Released Baker "Retrieva-D" packer. Pulled out of well. Ran in well with 5" casing cutter. Cut liner at 8730'. Pulled out of well.
- 11-14 5th Day. Ran in well with 5" casing spear. Recovered 32' of 5" 18# liner. Ran in well with 7" casing scraper to 8730'. Pulled out of well.
- 11-15 6th Day. Ran in well with 7" x 5" drive over lead seal adapter which was set at 8743'. Pulled out of well. Ran Model "N" Baker bridge plug which was set at 8720'. Shot four 1/2" holes at 8692'. Ran in well with 2-7/8" tubing open ended.
- 11-16 7th Day. Located plug at 8720'. Equalized sand on bridge plug 8720' - 8714'. Tested holes at 8692' which took fluid at rate of 25 cu.ft. per minute. Equalized 50 sacks of class "G" cement. Squeezed away 4 cu.ft. and held 2500 psi for 3-1/2 hours. Pulled out of well. Ran in well with 6" bit and 7" casing scraper.

1978

Daily Well Report for Standard Sesnon #11 - Aliso Canyon

- 11-17 8th Day. Drilled out cement from 8464' to 8714' and pressure tested holes at 8692' with 2000 psi and held for 20 minutes. Ran Audio Analyzer log from 8680' to 7000' which indicated no gas leakage.
- 11-18 9th Day. Ran in well to 8720' with 7" Baker recovery tool. Milled over and recovered Baker Model "N" bridge plug. Ran in well with 4-1/8" bit and 5" casing scraper. Cleaned out to 8926'. Located top of 5" liner at 8742'.
- 11-19 Rig and crew idle.
- 11-20 10th Day. Pulled out of well. Ran in well with Lynes 4-way tester with 3/4" bottom choke. Set packer at 8650'. Took 30 minute initial flow and 30 minute initial shut-in. Flowed well 5-1/2 hours. Surface pressure stabilized at 1700 psi. Shut in overnight.
- 11-21 11th Day. Ran Audio Analyzer inside tubing above Lynes tester. Unable to get Noise Log reading due to tester clock interference. Pulled tester out of well. Ran Audio Analyzer from 8620' to 6600' which indicated no gas leakage. Ran Baker "Retrieva-D" packer which stopped at 2359'. Unable to work packer through tight spot. Pulled packer out of well.
- 11-22 12th Day. Ran in well with casing scraper. Worked scraper thru tight spot at 2359'. Pulled out of well. Ran gauge ring and junk basket which stopped at 8410'. Pulled out of well. Recovered rubber in junk basket. Made second run. Stopped at 8410'; no recovery. Ran in well with 6" bit on six collars and 2-7/8" tubing to 8715'.
- 11-23 Rig and crew idle.
- 11-24 13th Day. Tagged top of 5" liner at 8742'. Circulated gas cut mud. Pulled out of well. Ran gauge ring and junk basket on wire line which stopped at 8410'. Pulled up to 2500', pulled wire line out of rope socket. Ran in well with over shot. Engaged fish at 2370'. Pulled out of well, no recovery. Ran in well to 8742' set on fish with 20,000#.
- 11-25 14th Day. Pulled out of well, recovered fish. Ran in well with casing scraper to 8742'. Pulled out of well. Ran Baker "Retrieva-D" packer which stopped at 2359'. Pulled packer out of well. Ran in well with casing scraper and stabilizer. Worked scraper thru tight spot at 2354'. Pulled out of well. Ran in well with packer which stopped at 2359'. Pulled out and ran in well with casing scraper.
- 11-26 Rig and crew idle.
- 11-27 15th Day. Cleaned out 23# 7" casing to 5397' with casing scraper. Pulled out of well. Ran in well with Baker "Retrieva-D" packer which stopped at 2359'. Unable to pass thru tight spot. Pulled out of well. Ran Otis "Permatrieve" packer which was set at 8660'. Ran seals and latch in locator. Changing collars and applying Baker seal.

1978Daily Well Report for Standard Sesnon #11 - Aliso Canyon

11-28 16th Day. Finished running in well with 2-7/8" tubing changing collars. Latched in to Otis packer at 8660'. Tested packer with 1500 psi for 20 minutes, pulled out of well. Ran in well with Camco Safety System and Otis Production Tube and latch in locator. Hydrottested all production tubing string to 5000 psi.

11-29 17th Day. Landed 2-7/8" tubing with 8000# on packer at 8660'. Checked latch with 20,000# overpull. Removed B.O.P.E. Installed X-mas tree. Tested tree with 5000 psi for one hour. Circulated polymer completion fluid from well with waste salt water.

RELEASED RIG AT 10:00 P.M.

REPORT ON PROPOSED OPERATIONS

Santa Paula, California

Nov. 15, 1978

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

Your proposal to alter casing in gas storage well "SFZU" SS-11
(Name and number)

A.P.I. No. 032-00763, Section 28, T. 3N, R. 16W

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

dated 10-25-78, received 11-13-78, has been examined in conjunction

with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Hole fluid of sufficient quality and quantity shall be maintained in the hole to control any subsurface condition, and a reserve supply shall be on hand for emergencies.
2. Blowout prevention equipment of at least DOG Class III 3M, 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 AVAILABLE AT THE WELL SITE DURING THE PROPOSED OPERATIONS.

Blanket Bond
MD:b

M. G. MEFFERD

State Oil and Gas Supervisor

By

John L. Hardoin
Deputy Supervisor

John L. Hardoin

NOV 13 1978

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
	<i>BB</i>	<i>✓</i>

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 #11, API No. 037-00763, Sec. 28, T. 3N, R. 16W, S.B. B. & M., Aliso Canyon Field, Los Angeles County.

The present condition of the well is as follows:

- Total depth. 9060'
- Complete casing record, including plugs and perforations:
 - 13 3/8" cemented 824'
 - 7" cemented 8767', WSO by D.O.G. 8730'
 - 259' 5" landed 8957', slotted 8763'-8957' *top 8698'*
 - 132' 3 1/2" landed 9058', slotted 8931'-9058'
- Present producing zone name SESNON Zone in which well is to be recompleted -
- Present zone pressure 3500 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:

- Kill well. Move in and rig up. Install B.O.P.E. and pressure test.
- Pull tubing. Clean out to 8698'. Cut and recover 5" liner to 8730'.
- Set bridge plug at 8720'. Shoot four 1/2" holes at 8692' and squeeze with cement. Drill out cement and pressure test.
- Run Audio Analyzer log. Recover bridge plug. Set packer at 8660'.
- Re-run tubing with down-hole safety system.
- Return well to gas storage operation.

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) 10-25-78 (Date)
 Type of Organization Corporation
 (Corporation, Partnership, Individual, etc.)

NOV 13 1978

WORKOVER PROGRAM

SANTA PAULA, CALIFORNIA

OPERATOR: SOUTHERN CALIFORNIA GAS COMPANY

FIELD: Aliso Canyon

WELL: STANDARD SESNON #11

CONTRACTOR: California Production Service Rig #D-4

APPROXIMATE LOCATION: 2193.17' South and 6055.25' West from Station #84.

ELEVATION: Ground 2512.48', original derrick floor 2519.40'
Take all measurements from original derrick floor
6.92' above ground.

SAFETY: Hard hats are to be worn by all personnel on or
near a rig. No smoking is permitted within 100'
of the wellhead.

PRESENT CONDITIONS: 13 3/8" cemented 824'
7" cemented 8767', WSO by D.O.G. 8730'

7" Casing Details:

<u>Interval</u>	<u>Weight</u>	<u>Grade</u>	<u>Burst</u>	<u>Collapse</u>
8767' -7019'	29#	N-80	8160	7020
7019' -5397'	26#	N-80	7240	5410
5397' -3723'	23#	N-80	6340	3830
3723' -surface	23#	J-55	4360	3270
259' 5" 18# J-55 Security flush joint landed 8957' slotted 8763'-8957' 80-mesh				
132' 3 1/2" 9.3# J-55 flush joint landed 9058' slotted 8931'-9058' 120-mesh				
Gas lift junk 8953'				

TUBING DETAILS:

Baker Retrieva-"D" packer at 8670'
2 7/8" tubing landed 8696'
Baker production tube
Baker Seals (4)
Baker latch-in locator
Camco 10' blast joint
1.81" D" nipple
20' blast joint
2 7/8" annular flow safety system and
MMG mandrel
Top 24 joints N-80, balance J-55 tubing

PROGRAM

- 1 Kill well with 70#/cu.ft. Nacl-Hec polymer provided by Professional Drilling Fluid Services. Volume of well = 360 barrels. Pump drilling fluid down tubing at three barrels per minute and bleed gas off to Gas Company kill system. Notify Aliso Canyon shift supervisor for assistance.
1. Move in and rig up California Production Service Rig #D-4 with Baker tank.
2. Circulate and condition polymer completion fluid.
3. Set back-pressure valve in doughnut and remove Xmas tree.
4. Install H. & H. Oil Tool 8" Class III 5000 psi B.O.P.E. Equipment to include GK Hydril bag and double-gate, both hydraulically operated with 1500 psi, 80-gallon accumulator, auxillary nitrogen and dual control stations. Also install 5000 psi choke manifold with discharges to Gas Company's kill system and Baker tank. Use new API rings on any untested B.O.P.E. connection. Do NOT use hoses.
5. Pressure test complete shut-off and 2 7/8" rams and choke manifold to 4000 psi with water and nitrogen. Pressure test Hydril bag to 3000 psi with water and nitrogen. The Division of Oil and Gas to be given sufficient notice to allow a witness to be present.
6. Release tubing from Baker Retrieva-"D" packer by pulling up 3,000-5000# over weight of tubing, reported as 52,000#. Turn tubing at packer 14 turns to the right. Obtain assistance from Baker service-man, as required.
7. Pull tubing and lay down production equipment. Baker and Camco to

- inspect, clean, pressure test and repair equipment, as required, for re-use in this well.
8. Run 6" bit and casing scraper on 2 7/8" tubing and clean out to top of 5" liner at 8698'.
 9. Cut and recover 5" liner at 8730' (32' below liner hanger). Run lead seal adapter and set on 5" liner at 8730'.
 10. Run Model "N" bridge plug on Welex wireline and set same at 8720' using reference collars at 8684', 8640', 8597 and 8554' per TDT log. Pressure test Model "N" bridge plug by closing B.O.P.E. on tubing to 2500 psi. Shoot four 1/2" holes at 8692' using reference collars on TDT log.
 11. Run open-end tubing to 8720' and obtain breakdown through holes at 8692' but do NOT exceed 2500 psi. Equalize up to a maximum of 50 sacks of Class "G" cement mixed with 1% D-65. Pull tubing a minimum of 400' and backscuttle a minimum of 350 cu.ft. Close rams and squeeze away cement with maximum final pressure of 2500 psi. Use Dowell cement pump truck and bulk equipment. Drill out cement and pressure test to 2000 psi. If holes break down, re-cement and re-pressure test.
 12. Run Triangle Audio Analyzer log to determine if gas leakage has stopped. If not, shoot holes at 8691', re-squeeze, re-pressure test and re-run Audio Analyzer log. If leakage has stopped, proceed with Step #13.
 13. Mill over and recover Model "N" bridge plug from 8720'. Run 4 1/8" bit and casing scraper and clean out to top of 3 1/2" liner at 8926'. Do NOT attempt to clean out 3 1/2" liner, as there is junk at 8953'.
 14. Run Lynes 4-way testing tools. Set packer near 8650' with three pressure recorders. Take 30-minute initial flow and initial shut-in tests. Flow well to Gas Company system for 12-15 hours. Record surface pressures and flow rates. Notify Aliso Canyon shift supervisor for assistance in making test. Open backscuttle valve and circulate tubing full of drilling fluid. Secure well and take final shut-in overnight. Pull tester.
 15. Re-run Triangle Audio Analyzer log to determine if gas leakage is still shut-off. If leakage is detected, shoot new holes at 8690', re-squeeze, re-pressure test and re-run Audio Analyzer log.
 16. Run Baker Retrieval-"D" packer on Welex wireline and using reference collars, set packer at 8660' but do NOT set packer in a collar.
 17. Run dummy seals and latch-in locator. Set 10,000# on packer. Pressure test seals and packer to 1500 psi - keep tubing full and observe for returns. Change collars, clean pins and apply Baker seal while running tubing. Use N-80 collars for N-80 tubing and either N-80 or J-55 collars for J-55 tubing.

18. Run 2 7/8" tubing, clean pins, apply Baker seal and hydrotest to 5000 psi, holding each test for one minute.

Tubing to include:

Baker Production Tube
Baker Seals (4)
Baker Latch-in Locator
Camco 10' Heavy Wall Tube - 2 7/8" threads
Camco 1.81" "D" Nipple - 2 7/8" threads
Camco 20' Heavy Wall Tube - 2 7/8" threads
Camco 2 7/8" Annular Flow Safety System
One Joint of 2 7/8" Tubing
Camco 2 7/8" MMG Mandrel with pump-out plug in place.

NOTE: Place 24 Joints of N-80 tubing on top as same was in well.

19. Space out and land tubing on Retrieval-"D" packer with up to a maximum of 10,000#. Pull 20,000# over weight of tubing to check latch.
20. Set back-pressure valve in doughnut. Remove B.O.P.E. and install Xmas tree. Pressure test Xmas tree to 5000 psi for 20 minutes. Remove back-pressure valve.
21. Circulate completion fluid out of well with waste salt water. Tighten all bolts on wellhead. Check all wellhead valves closed. Install blind flanges on wellhead valves.
RELEASE RIG.

G. C. ABRAHAMSON
October 25, 1978

GCA

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

T. Giallonardo
D. S. Smiley

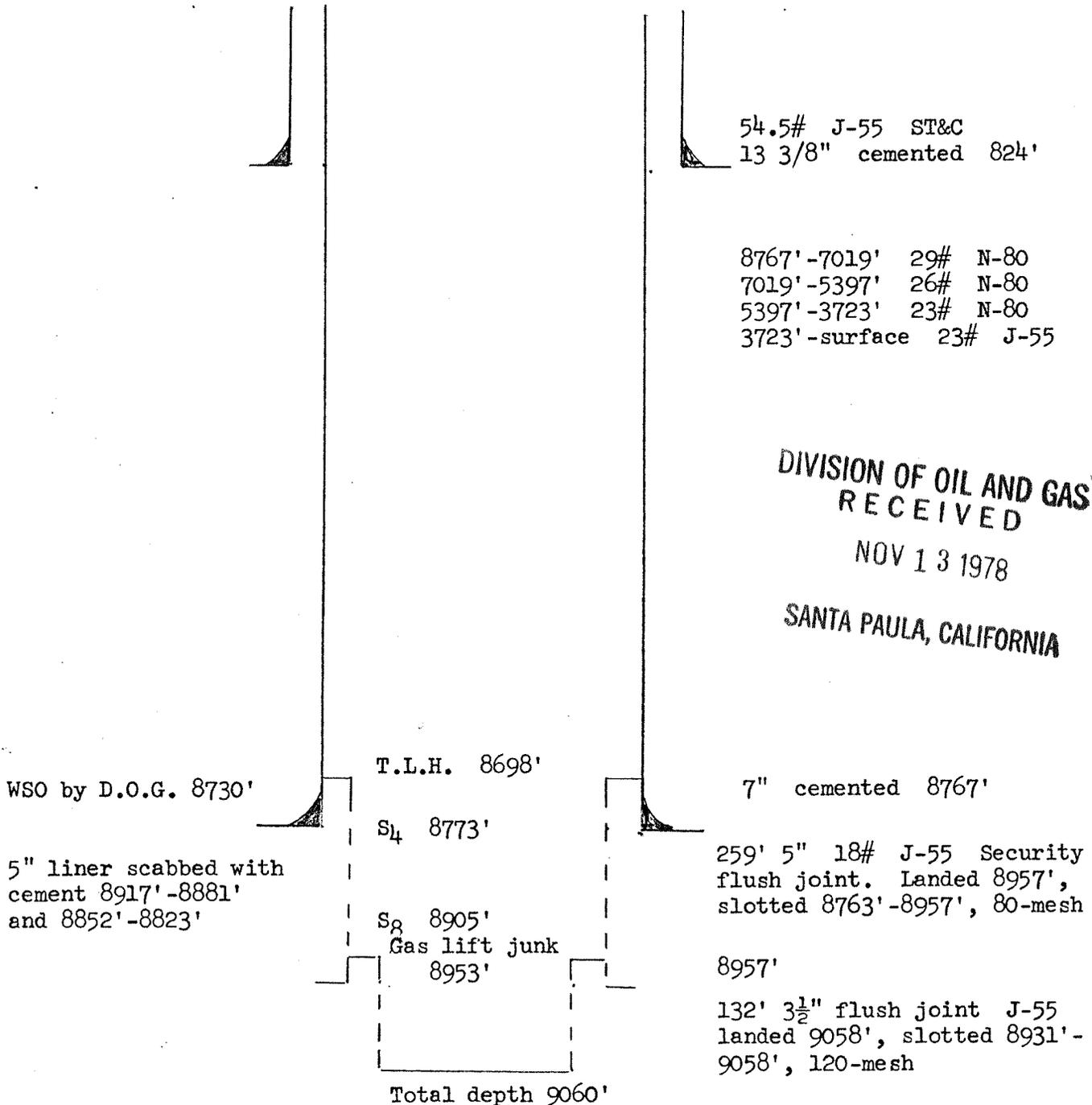
D.O.G.

Well File

GCA/jp

LOCATION: 2.93.17' South and 6055.25' West from Station #84.

ELEVATION: Ground 2512.48', original derrick floor 2519.40'
Take all measurements from original derrick floor 6.92' above ground.



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

DIVISION OF OIL AND GAS
RECEIVED

DEC - 1 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 #11 , Sec. 28 , T 3N , R 16W , S.B.B. & M.
A.P.I. well No. 037-00763 Name P. S. Magruder, Jr. Title Agent
Date November 8 , 19 77 (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
- 1977
 - 9-17 Killed well with 325 barrels of 72#/cu.ft. polymer drilling fluid.
 - 9-19 Moved California Production Service Rig #M-19 from Standard Sesnon #10 to Standard Sesnon #11. Rigged up and circulated well. Lost 300 barrels of brine-polymer drilling fluid. Spotted 50 barrels high viscosity pill on bottom.
 - 9-20 Set back-pressure valve in doughnut. Removed Christmas tree. Installed Class III 5000 psi B.O.P.E. Pressure tested with water and nitrogen, as follows:
 - Pipe rams to 4000 psi
 - Blind rams " 4000 psi
 - Hydril bag " 3000 psiD.O.G. witnessed tests.
Unseated packer, measured tubing from well. Ran in 2000' tubing and secured well.
 - 9-21 Filled hole with 35 barrels of polymer drilling fluid. Ran in with two 3 1/8" drill collars and Baker milling tool. Milled Baker Model "D" packer at 8894'. Pulled milling tool to 4000'. Secured well.
 - 9-22 Laid down Baker Model "D" packer. Ran 6" bit and 7" casing scraper to 8698'. Ran 4 1/8" bit and 5" casing scraper to 8926'. Spotted 50 barrels of 72#cu.ft. brine-polymer drilling fluid treated with carbonates. Pulled to 6500' and secured well.
 - 9-24 Set bridge plug at 8690'. Tested plug with 1000 psi with rig pump. Circulated polymer drilling fluid out of well with fresh water treated with surface tension agent. Ran in with cement squeeze tool to 3600'.
 - 9-25 Rig and crew idle.

- 9-26 Ran Johnston positrieve squeeze tool and set at 3600'. Testing casing, as follows:
- | | | | | | | | | |
|-------|----|---------|------|------|-----|-----|----|---------|
| 3600' | to | 8690' | with | 2700 | psi | for | 60 | minutes |
| 3600' | " | Surface | " | 2800 | psi | " | " | " |
| 3100' | " | " | " | 3000 | psi | " | " | " |
| 2800' | " | " | " | 3200 | psi | " | " | " |
| 2300' | " | " | " | 3400 | psi | " | " | " |
| 1800' | " | " | " | 3600 | psi | " | " | " |
| 800' | " | " | " | 4000 | psi | " | " | " |
- All above tests O.K.
- Pulled out Johnston positrieve squeeze tool. Ran in with Johnston retrievable bridge plug retainer to 8690'. Changed over to polymer workover fluid. Latched onto bridge plug. Pulled free and started out of hole.
- 9-27 Continued pulling out of hole with Johnston bridge plug. Rigged up lubricator. Ran GO-International junk basket and feeler gauge. Worked through tight spot at 8063' - stopped at 8400'. Unable to work through - pulled out. Checked gauge ring and re-ran same 6" gauge. Stopped and unable to work through at 8400'. Pulled and ran in with 5.719' gauge ring - went to top of 5 1/2" liner at 8698'. Pulled out. Ran in with Servco 6" taper mill and reamed from 8017' to 8102' and from 8357' to 8458'. Ran to top of 5 1/2" liner. Circulated and started out of well.
- 9-28 Finished pulling out of hole with Servco 6" taper mill. Rigged up lubricator and ran GO-International junk basket and 6" feeler. Stopped at 8400' - unable to go through. Pulled out. Made up Baker Retrieva-"D" packer on 2 7/8" tubing. Ran in hole and set Retrieva-"D" packer at 8670'. Laid down 25 joints of 2 7/8" tubing and 6 joints of 2 3/8" tubing and Kelly. Pulled to 2000'.
- 9-29 Finished pulling out of hole. Rigged up and ran Camco annular flow safety system. Hydrotesting 2 7/8" tubing at 5000 psi, changing all couplings and using Baker seal. 87 stands in hole.
- 9-30 Continued running tubing and hydrotesting at 5000 psi and changed couplings. Spaced out and landed tubing on Baker Model "D" Lok-Set packer with 10,000#. Pulled 20,000# over weight of tubing to check latch-in. String weight 52,000#. Removed B.O.P.E. Installed Christmas tree. Tested hanger and doughnut seals and Christmas tree at 5000 psi for 30 minutes.
- 10-1 Circulated drilling fluid out of well with waste lease salt water. Using Archer-Reed piano-wire equipment, set standing valve in NO-GO nipple at 8670'. Pressure tested seals and packer at 2000 psi for 30 minutes. Recovered standing valve. RIG RELEASED at Noon (10-1-77).

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

Report on Operations

No. T 277-274

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

Santa Paula, Calif.
Oct. 11, 1977

DEAR SIR:

Operations at well No. "SFZU" SS-11, API No. 037-00763, Sec. 28, T. 3N, R. 16W,
S.B., B & M. Aliso Canyon Field, in Los Angeles County, were witnessed
on 9/20/77. Mr. P. R. Wygle, representative of the supervisor was
present from 1200 to 1400. There were also present M. M. Duckworth, contract
foreman

Present condition of well: No additions to the casing record since proposal dated
9/3/77.

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

DECISION:

THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

b

M. G. MEFFERD
JOHN L. MATTHEWS, JR.
State Oil and Gas Supervisor

By John L. Hardoin Deputy
John L. Hardoin

REPORT ON PROPOSED OPERATIONS

Santa Paula, California

Sept. 13, 1977

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

Your proposal to ^{rework} gas storage well "SFZU" SS-11
(Name and number)
 A.P.I. No. 037-00763, Section 28, T. 3N, R. 16W
 S.B. B. & M., Aliso Canyon field, Los Angeles County,
 dated 9-3-77, received 9-12-77, 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.

Blanket Bond
 MD:b

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

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

John L. Hardoin

DIVISION OF OIL AND GAS
RECEIVED
SEP 12 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 canceled.

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. STANDARD SESNON #11, API No. 037-00764, Sec. 28, T. 3N, R. 16W, S. B. B. & M., Aliso Canyon Field, Los Angeles County.

The present condition of the well is as follows:

- Total depth. 9060'
- Complete casing record, including plugs and perforations:
 - 13 3/8" cemented 824' 54.5# J-55
 - 7" " 8767', WSO on shoe
 - 259' 5" landed 8957', slotted 8957'-8763' (18# J-55)
 - Top 8698'
 - 132' 3 1/2" landed 9058', slotted 9058'-8926', top 8926' (8.81# J-55)
 - Scabbed with cement 8917' - 8881', 8852' - 8829' and 8826' - 8823'
- Present producing zone name Sesnon 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 BOPE and pressure test
- Pull tubing and recover packers. Clean out to 9058'
- Pressure test 7" casing. Perform any remedial work indicated by pressure testing
- Set packer. Ran tubing with down-hole safety system
- Return well to gas storage operation

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) 9-3-77 (Date)
Type of Organization Corporation
(Corporation, Partnership, Individual, etc.)

SEP 12 1977

STANDARD SESNON #11 - ALISO CANYON

SANTA PAULA, CALIFORNIA

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

CASING WITHDRAWAL ONLY

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

PRESENT CONDITIONS:

13 3/8" cemented 824' 54.5# J-55
 7" cemented 8767', WSO on shoe
 259' 5" landed 8957', slotted 8957' - 8763' 18# J-55
 top 8698'
 132' 3 1/2" landed 9058', slotted 9058' - 8926', top 8926'
 Scabbed 8917' - 8881'
 8852' - 8829'
 8826' - 8823' (8.81# J-55)

CASING DETAIL

7" 0 - 3723' 23# J-55
 3723' - 5397' 23# N-80
 5397' - 7019' 26# N-80
 7019' - 8767' 29# N-80

100% Safety Factor	
<u>BURST</u>	<u>COLLAPSE</u>
4360	3290
6340	4300
7240	5320
8160	6370

TUBING DETAIL:

Baker Model "D" packer 8894' (5")
 Baker hydrostatic packer 8677' (7")
 Baker 2 3/8" "R" nipple 8894' (plugged)
 Baker 2 3/8" sliding sleeve 8833' (open)
 Baker 2 7/8" "F" nipple 8639' (0.604" choke)
 Baker 2 7/8" sliding sleeve 8606' (open)
 Camco - 5 gas lift mandrels with valves
 2 3/8" tubing 8899' - 8830', 2 7/8"
 To surface 8rd EUE J-55

PROGRAM:

1. Move in and rig up. Pressure test wellhead seals to 3000 psi.
2. Kill well with 72#/cu. ft. brine polymer drilling fluid. Check bottom hole pressure before moving in rig. Volume of well = 360 barrels.
3. Set back pressure valve in doughnut. Remove Xmas tree. Install class III 5000 psi BOPE. Pressure test complete shut-off rams and pipe rams to 4000 psi with water and nitrogen. Also pressure test Hydril bag to 3000 psi with water and nitrogen. Use float valve.

STANDARD SESNON #11 - Aliso Canyon
Program to Replace Packer, Pressure Test
Casing and Install New Down Hole Safety System

PAGE 2.

4. Unseat hydrostatic packer and pull tubing mill over and recover 5" Model-"D" packer at 8894'.
5. Run 6" bit and casing scraper. Clean out to 8698', top of 5" liner. Run 4 1/8" bit and casing scraper. Clean out to 8926', top of 3 1/2" liner. Run 2 7/8" bit and casing scraper and clean out to 9058'. During work in 1973 only cleaned out to 8900'. Possible junk in 3 1/2" liner.
6. Set bridge plug near 8690' and test with rig pump. Circulate polymer drilling fluid from well 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 chart gauge, as follows:

3600'	to	8690'	with	2700 psi	for	60 minutes
3600'	"	Surface	"	2800 psi	"	60 "
3100'	"	"	"	3000 psi	"	60 "
2800'	"	"	"	3200 psi	"	60 "
2300'	"	"	"	3400 psi	"	60 "
1800'	"	"	"	3600 psi	"	60 "
800'	"	"	"	4000 psi	"	60 "

Change to polymer drilling fluid.

7. Perform any remedial work indicated by pressure. Pull bridge plug from 8690'.
8. Run Baker "Retrieva-D" packer and using wire line and reference collars set in 7" casing near 8670'. Do not set packer in a collar.
9. Run 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:

Baker production tube
Baker 4 seals
Baker Latch-in-locator
Camco 10' heavy wall tube
Camco 1.81" "NOGO" nipple with 2 7/8" threads
Camco 20' heavy wall tube
Camco annular flow safety system
One joint of 2 7/8" tubing
Camco empty gas lift mandrel
700' 2 7/8" 8rd EUE N-80
Tubing on top

PROGRAM: (Concluded)

10. Land tubing on packer with up to a maximum of 10,000 pounds - pull up 25,000 pounds over weight of tubing to check latch.
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
September 6, 1977

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

Division of Oil & Gas ✓
J. Melton
B. Jones
D. Smiley
D. Justice)
M. Grijalva)
Well File
Spare Copy

SEP 6 1973

DIVISION OF OIL AND GAS

History of Oil or Gas Well

LONG BEACH, CALIFORNIA

OPERATOR Pacific Lighting Service Company FIELD Aliso Canyon

Well No. SS-11, Sec. 28, T. 3N, R. 16W, S.B. B. & M.

Date September 4, 1973

Signed

P. S. Magruder

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

The following is for the well record only. It does not have to be submitted to the Division of Oil & Gas.

- 6-5 Moved in C.P.S. and rigged up. Rigged up Archer-Reed. Pulled gas lift valve at 8563'. Lost valve while coming out of hole. Made feeler run to bottom of tubing at 8902'. Tubing open. Left gas lift valve on bottom. Mixed and pumped 60 bbl. pill in to kill well. Could not establish circulation with 400 bbls. Filled hole and spotted second 60 bbl. pill.
- 6-6 Filled hole with 8 bbls. and circulated for two hours from 8563'. Lost circulation. Pumped in 210 bbls. without returns. Spotted 35' bbl. pill and shut well in. Mixed mud and filled hole with 40 bbls. Formation would not take fluid with 300 psi pump pressure. Removed production head. Installed and tested B.O.P.E. Total of 535 bbls. lost to 10:00 PM.
- 6-7 Hole standing full. Pulled packers loose and circulated for 1/2 hour. Measured out of hole. Ran 7" casing scraper and tagged top of 5" liner at 8702'. Circulated on top of liner for 2-1/4 hours. Pulled scraper and started in hole with 4-1/8" bit and 5" casing scraper.
- 6-8 Continued running bit and scraper. Hit lost gas lift valve on fill at 8906'. Circulated out fill and pushed gas lift valve to top of 3-1/2" liner at 8931'. Lost circulation while bringing bottoms up. Shut well in. Mixed and spotted 60 bbl. pill. Filled hole. Lost 84 bbls. Pulled bit and scraper to 1800' where bottom fell out of well. Pumped in 266 bbls. without returns. Ran in to 8692'. Mixed and pumped 50 bbl. pill followed with 30 bbls. workover fluid. Shut well in. Mixed 370 bbls. mud. Total of 885 bbls. lost to date.
- 6-9 Filled hole with 40 bbls. and established partial circulation. Lost 37 bbls. while circulating. Pumped in 45 bbl. pill followed with 30 bbls. workover fluid and shut well in. Had circulation last 5 barrels. Pulled 4-1/8" bit and 5" scraper. Ran 2-5/8" sawtooth collar and 3-1/2" casing scraper. Hit top of fill at 8902'. Established circulation with 5 bbls. and circulated down from 8902' to 8931' at 1.5 to 2.0 bbls/min. without loss. Cleaned out inside 3-1/2" liner from 8931' to 8934' and dropped in to 8936' and lost partial circulation. Pulled out of 5" liner and shut down. Total mud loss to date--1069 bbls.

1973

- 6-10 Idle.
- 6-11 Mixed 228 bbls. mud. Filled hole and established circulation with 18 bbls. Found top of fill at 8905'. Pulled up to 8895' and circulated bottoms up without mud loss. Circulated down from 8905' to 8928' and lost circulation. Pulled out. Made up and ran 2-1/8" bailer to 8953, recovering carbonates. Total mud loss to date--1103 bbls.
- 6-12 Filled hole with 40 bbls. Ran Schlumberger 1-11/16" TDT logging tool which stopped at 8898' then malfunctioned. Re-ran 2-1/8" bailer to 8953'. Re-ran TDT tool to 8919' and logged from 8919' to 8100'. Ran CBL from 8900' to 5550'. Ran bailer to 8950' recovering carbonates. Total mud loss to date--1143 bbls.
- 6-13 Set 7" bridge plug at 8692' and filled hole with 39 bbls. Pressured plug and 7" casing from 8692' to surface at 1400 psi for 20 minutes--Ok. Removed B.O.P.E. and tubing head. While removing casing head packing, welder dropped 4 pound sledge hammer in hole. Unlanded 7" casing with 168,000 pounds.
- 6-14 Chipped out 12" cellar floor. Installed 13-3/8", 5000 psi casing head by making butt weld in 13-3/8" casing. X-rayed weld Ok. Relanded 7" casing at 190,000 pounds. Installed tubing head. Ran 5-7/8" junk basket on wireline without recovering hammer.
- 6-15 Reran 5-7/8" junk basket on wireline and recovered hammer but lost 4 fingers from junk basket. Tested tubing head packings to 3200 psi for 20 minutes--Ok. Set packer at 3800' and tested 7" casing from 3800' to 8692' at 1700 psi for 20 minutes--Ok. Tested 7" casing from 3800' to surface at 2300 psi for 20 minutes--Ok. Moved packer to 2100' and tested from 2100' to surface at 3000 psi for 20 minutes--Ok.
- 6-16 Idle.
- 6-17
- 6-18 Released bridge plug at 8692' and filled hole with 8 bbls. Retrieved bridge plug. Filled hole with 42 bbls. Set wireline 5" Model "D" packer at 8894' but setting tool failed to release. Pulled wireline out of setting tool. Ran socket on tubing and recovered setting tool with 35,000 pounds pull at tool. Put 50 bbls. in hole.
- 6-19 Ran completion tubing string. Set blanking plug in nipple at 8894' and pressured tubing and set Hydraulic packer at 8677'. Tested packer with 1000 psi for 30 minutes--Ok. Opened sleeve at 8606' and displaced mud with lease salt water. Total mud loss to well--1300 bbls.
- 6-20 Removed B.O.P.E. and installed and tested production head to 4500 psi for 20 minutes--Ok. Released rig at 2:00 PM.
- 6-21 Unloaded salt water down to 5103' with nitrogen.

1973

TUBING DETAIL 6-18-73

<u>No. Jts.</u>	<u>Item</u>	<u>Length</u>	<u>Depth</u>
	K. B. to mat	6.92	
	Mat to tubing head	5.00	
	2-7/8" EU 8 thd. donut	.80	
	2-7/8" EU 8 thd. N-80 pup jt.	7.62	
	2-7/8" EU 8 thd. N-80 pup jt.	10.10	
	2-7/8" EU 8 thd. N-80 pup jt.	10.10	
162	2-7/8" EU 8 thd. J-55	5051.06	
	2-7/8" EU 8 thd. N-80 pup jt.	4.10	5095.70
	2-1/2" Camco KBMG mandrel w/1/4" BK valve 1050#	7.65	5103.35
32	2-7/8" EU 8 thd. J-55 tubing	999.14	
	2-7/8" EU 8 thd. N-80 pup jt.	4.10	6106.59
	2-1/2" Camco KBMG mandrel w/1/4" BK valve 1025#	7.35	6113.94
28	2-7/8" EU 8 thd. J-55 tubing	874.05	
	2-7/8" EU 8 thd. N-80 pup jt.	4.05	6992.04
	2-1/2" Camco KBMG mandrel w/1/4" BK valve 1000#	7.95	6999.99
29	2-7/8" EU 8 thd. J-55 tubing	900.82	
	2-7/8" EU 8 thd. N-80 pup jt.	4.05	7904.86
	2-1/2" Camco KBMG mandrel w/1/4" BK valve 975#	8.00	7912.86
21	2-7/8" EU 8 thd. J-55 tubing	649.06	
	2-7/8" EU 8 thd. N-80 pup jt.	4.10	8566.02
	2-1/2" Camco KBMG mandrel w/1/4" BK valve 950#	6.82	8572.84
1	2-7/8" EU 8 thd. J-55	30.63	8603.47
	2-7/8" x 2.31 I.D. Baker "L" sliding sleeve	2.73	8606.20
1	2-7/8" EU 8 thd. J-55 tubing	31.43	8637.63
	2-7/8" x 2.31 I.D. Baker "F" landing nipple	.95	8638.58
1	2-7/8" EU 8 thd. J-55 tubing	31.44	8670.02
	2-7/8" x 7" 29# Baker Model "FH" Hydrostatic set packer	6.85	8676.87
	2-7/8" x 2-3/8" EU 8 thd. crossover	.80	8677.67
5	2-3/8" EU 8 thd. J-55 tubing	152.30	8829.97
	2-3/8" x 1.87 I.D. Baker Model "L" sliding sleeve	2.60	8832.57
2	2-3/8" EU 8 thd. J-55 tubing	60.15	8892.72
	2-3/8" x 1.81 I.D. Baker type "R" seating nipple	.78	8893.50
	2-3/8" Baker Locator sub for Model "D" packer	.48	8893.98
	2-3/8" Baker seals 5 sets	4.65	8898.63

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 request dated 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)

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
16
AUG 19 1955
LOS ANGELES, CALIFORNIA

SFZU 55-11

WELL SUMMARY REPORT

Operator TIDE WATER ASSOCIATED OIL COMPANY Field ALISO CANYON
Well No. STANDARD-SESNON 1-#11 Sec. 28, T. 3N, R. 16W, S.E. B. & M.
Location 2191.17 S & 6055.25' W from Sta. #84 Elevation above sea level 2512.48 feet.
All depth measurements taken from top of Derrick 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 July 26, 1955 Signed T. E. Weaver
R. M. Burns (Engineer or Geologist) T. E. Weaver (Superintendent) Title Agent (President, Secretary or Agent)

Commenced ^{re-work} ~~drilling~~ April 22, 1955 Completed ^{re-work} ~~drilling~~ May 14, 1955 Drilling tools Rotary

Total depth 8962' (Original) logged depth 8962' Geological Markers DEPTH
Junk xxx Dpnd. thru 5" liner to 9060'

Note: Perforations seab cemented
8829'-8852'; 8881'-8917'

Commenced producing May 14, 1955 (date) Flowing gas ~~water~~ pumping (cross out unnecessary words)

	Clean Oil bbl. per day	Gravity Clean Oil	Per Cent Water including emulsion	Gas Mcf. per day	Tubing Pressure	Casing Pressure
May 18, 1955 Initial production	179	21.5	6.0	155	700#	2150#
Production after 30 days	142	21.6	3.0	155	775#	2150#

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
13-3/8"	824'	0'	54.5#	New	Seamless	T & C	17-1/4"	500	
7"	8767'	0'	23, 26, 29#	New	Seamless	J-55, N-80	12"	500	
5"	8957'	8698'	17.93#	New	Seamless	J-55	7-3/4"		
3-1/2"	9058'	8926'	8.81#	New	Seamless	J-55	4-1/2"		

PERFORATIONS

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
5" Eff.	8852 ft.	8881 ft.	80 Mesh x 2"	12	6"	Pacific
5" & 3-1/2"	8917 ft.	9058 ft.	120 Mesh 2" Slots	6	6"	6° Undercut
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

8962' - 9062'

STATE OF CALIFORNIA

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS RECEIVED

History of Oil or Gas Well

AUG 19 1955

LOS ANGELES, CALIFORNIA

OPERATOR TIDE WATER ASSOCIATED OIL COMPANY FIELD ALISO CANYONWell No. Standard-Sesnon 1-#11, Sec 28, T 3 N, R 16 W, S. D. B. & M.

Date _____, 19 _____

Signed T. E. WeaverJuly 26, 1955Title T. E. Weaver, 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

19551/221/23-241/25-261/271/281/291/305/15/25/35/45/5

Killed well with salt water.

Idle.

C.P.S. moving in and rigging up.

Finished rigging up. Prepared 66# salt water. Circulated to bottom of liner. Measured out on hook.

Ran M & T squeeze tool on 2-7/8" and 2-3/8" tubing and set at 8957'. Pumped in 15 sacks C.H.T. cement. Displaced 6 sacks on bottom and 9 sacks while pulling from 8957'-8952'. Pump pressure 1300#. Time 3:15 PM. B.J. Service. Pulled up to 8947' and backscuttled estimated 10 sacks.

Changed from salt water to high pH lime emulsion mud. Made up 2-7/8" drill pipe and N-80 drill-tubing. Ran 1/2" bit. Found top of cement at 8952'. Drilled out cement from 8952'-8957' and shoe of 5" liner at 8957'. Cleaned out to 8962' (original T.D.). Mud weight 72#, 50 viscosity, 3.0 c.c. water loss.

Deepened with 1/2" bit from 8962' to 8987'. Mud weight 72#, 48 viscosity, 3.1 c.c. water loss.

Deepened with 1/2" bit from 8987' to 9013'. Mud weight 72#, 38 viscosity, 3.0 c.c. water loss.

Deepened with 1/2" bit from 9013' to 9060'. Ran Schlumberger electric log at 9060'. Scraping 1/2" hole to 1-3/4". Mud weight 72#, 38 viscosity, 3.0 c.c. water loss.

Scraped 1/2" hole to 1-3/4" from 8988' to 9036'. Changed to 1-1/2" scraper and scraped from 9036' to 9060' and 8957' to 8988'. Mud weight 72#, 50 viscosity, 1.8 c.c. water loss. Conditioned mud.

Ran 132' of 3-1/2" F.J. J-55 perforated liner and landed at 9058' including 127' of perforations. Liner detail: liner hung on Burns fluted liner hanger with fish-tail on bottom joint. Perfs. are 120 mesh, 6 rows, 2" slots, 6" centers. Top at 8926'. Circulated out oil emulsion mud with 66# salt water and spotted 6 barrels Geopak on bottom with 125' stinger inside 3-1/2" liner. Backscuttled excess Geopak at 9020'.

Ran M & T squeeze tool on 2-3/8" and 2-7/8" tubing and washed intervals 8920'-8885' and 8850'-8820' with salt water for one hour each. 1st Seab Job: Seab cemented interval 8920'-8885' with 35 sacks Victor Hi-temp. cement. Displaced 5 sacks at 8920' and 30 sacks across interval. Pulled tool to 8875' and backscuttled estimated 10 sacks cement. Seab cemented interval 8850'-8820' with 35 sacks Victor Hi-temp. cement. Displaced 5 sacks at 8850' and 30 sacks across interval. Pulled tool to 8810' and backscuttled estimated 28 sacks. Lost approxi-

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OPERATOR: TIDE WATER ASSOCIATED OIL COMPANY

WELL NO.: Standard-Sesnon 1-#11, Aliso Canyon Field

LOS ANGELES, CALIFORNIA

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1955

5/5 (cont.) mately 250 cu. ft. of salt water while backscuttling.

5/6 Loaded out 2-7/8" drill-tubing and 2-7/8" F.J. tubing. Ran 4-1/8" bit and scraper and found top of cement at 8824'. Drilled out hard cement from 8824' to 8852' and 8874' to 8915'.

5/7 Ran M & T scab tool and pressure tested intervals 8912'-8885' and 8850'-8820'. Both intervals broke down at 1500# or less. Washed intervals with salt water. 2nd Scab Job: Scab cemented both intervals with 35 sacks C.H.T. each. Back-

scuttled estimated 25 sacks in lower interval and 26 sacks in upper interval. Lost approximately 90 cu. ft. salt water to formation while backscuttling. Each interval was scabbed by displacing 5 sacks on bottom and 30 sacks across interval, using 10 cu. ft. of water ahead. Scabbing complete by 3:30 PM.

5/8 Ran 4-1/8" bit and scraper and found top of cement at 8828'. Drilled out cement and cement stringers from 8828'-8851' and 8869'-8915'. Ran M & T scabbing tool and pressure tested intervals 8912'-8884' and 8850'-8820'. Following intervals held 1600# for 3 minutes: 8897'-8895'; 8847'-8846'; 8841'-8840'.

3rd Scab Job: Scab cemented interval 8912'-8885' with 35 sacks C.H.T. Displaced 5 sacks at 8912' and 30 sacks across interval. Pulled tool to 8875' and back-scuttled an estimated 30 sacks. Scab cemented interval 8850'-8820' with 35 sacks C.H.T. Displaced 5 sacks at 8850' and 30 sacks across interval. Pulled tool to 8810' and backscuttled an estimated 30 sacks. Time 7:00 PM. B.J. Service. Lost approximately 70 cu. ft. salt water while backscuttling.

5/9 Ran 4-1/8" bit and scraper and found top of cement at 8837'. Drilled out cement from 8837' to 8855' and 8874' to 8915'

5/10 Ran M & T scab tool and pressure tested in 1' stages. The following intervals held 1500# for 3 minutes:

8823'	-	8826'	-	3'
8829'	-	8852'	-	23'
8881'	-	8917'	-	36'

Ran 4-1/8" bit and scraper and found cement stringers from 8918' to 8921' and open to 8926' (top of 3-1/2" liner). Ran M & T scab tool and washed perforations from 8800' to 8926'. All perforations open other than those scabbed.

5/11 Ran 2-7/8" tubing with 1-1/4" macaroni on bottom and circulated out Geopak from 8926' to 8949'. Found hole bridged at 8949'. Pulled tubing and reran with sawtooth shoe on 1-1/4" macaroni. Circulated out salt water with oil and washed out Geopak to 8970'.

5/12 Washed out Geopak from 8970' to 9058' (bottom of liner). Circulated with oil approximately 5 hours. Spotted 100 barrels of Cypress crude 40.0 gravity oil in liner and rocked fluid for 3 hours. Pulled tubing to 8698' and circulated out oil with salt water. Pulled tubing.

5/13 Ran Guiberson KV-30 packer with Otis landing nipple above packer on 2-3/8" and 2-7/8" tubing and set at 8840' (S₆). Pressured annulus to test packer. Hole took fluid at 800# with no communication. Installed Christmas tree.

5/14 In 1 1/4 hours swabbed 210 barrels gross fluid, mostly salt water. Well began to flow at 2:00 PM and in 12 hours flowed 114 barrels gross fluid, approximately 51 barrels net, all circulating oil, 55.0% average cut, 400-700# tubing pressure, 1500# casing pressure. Well died 2:00 AM (5-15-55). Contractor released 2:00 PM (5-14-55)

5/15 Well died at 2:00 AM. Equalized pressure. Bled off to cellar and started well flowing at 4:30 PM. In 13-1/2 hours (to 6:00 AM 5-16-55) well flowed 113 barrels gross fluid, 51 barrels net formation oil, 55.0% average cut, 16-13/64" bean, 1600/2100#.

5/16 In 24 hours well flowed 67 barrels gross fluid, approximately 55 barrels net oil, 10.0% water, 20.0% emulsion, cut calculated at 18.0%, 23.6 gravity, 10/64" bean, 1600/1700#, 735 MCF gas.

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OPERATOR: TIDE WATER ASSOCIATED OIL COMPANY

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WELL NO.: Standard-Sesnon 1-#11, Aliso Canyon Field LOS ANGELES, CALIFORNIA

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5/17 Ran blank choke at 11:00 AM. In 19 hours well flowed 335 barrels gross fluid, 268 barrels net oil, 12% water, 19% emulsion, cut calculated at 20%, 22.5 gravity, 32/64" bean, 100/2100#, 397 MCF gas.

5/18 In 24 hours well flowed 190 barrels gross fluid, 179 barrels net oil, 6.0% cut, 21.5 gravity, 32-10/64" bean, 700/2150#, 155 MCF, 867 GOR. Changed from 32 to 20/64" bean at 7:30 AM; 20 to 12/64" bean at 12:45 PM; 12 to 10/64" bean at 4:30 PM.

	<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 Gas</u>
5/19	119	112	6.0%	20.5	10/64"	650#	2150#	101
5/20	123	116	6.0%	21.0	10/64"	650#	2150#	83
5/21	103	97	6.0%	21.0	10/64"	650#	2150#	71
5/22	103	97	6.0%	21.0	10/64"	600#	2125#	64
5/23	113	105	7.0%	20.7	10/64"	600#	2150#	54
5/24	142	135	5.0%	20.8	10-12/64"	550#	2150#	113
Changed to 12/64" bean at 1:00 PM								
5/25	144	137	5.0%	20.8	12/64"	550#	2150#	136
5/26	185	176	5.0%	20.9	12/64"	600#	2150#	148
5/27	155	147	5.0%	20.9	12/64"	600#	2100#	177
5/28	175	169	5.0%	20.9	12/64"	600#	2150#	187
5/29	165	157	5.0%	20.9	12/64"	600#	2150#	187
5/30	175	169	5.0%	20.9	12/64"	600#	2150#	172
5/31	175	169	5.0%	20.9	12/64"	600#	2150#	173
6/1	175	169	5.0%	20.9	12/64"	600#	2150#	155
6/2	72	69	5.0%	20.9	10/64"	600#	2150#	60
Shut in after 8 hours for pressure survey.								
6/3-6	Shut in.							
6/7	121	115	5.0%	21.6	10/64"	700#	2150#	124
6/8	124	119	5.0%	21.6	10/64"	750#	2150#	125
6/9	110	107	2.4%	21.6	10/64"	750#	2150#	127
6/10	123	120	2.5%	21.6	10/64"	750#	2150#	114
6/11	83	81	2.5%	21.6	11/64"	775#	2150#	69
6/12	113	110	2.5%	21.6	11/64"	775#	2150#	116
6/13	93	90	2.5%	21.6	11/64"	775#	2150#	105
6/14	103	100	2.5%	21.6	11/64"	775#	2150#	111
6/15	103	100	2.5%	21.6	11/64"	775#	2150#	151
6/16	123	119	3.0%	21.6	11/64"	775#	2150#	155
6/17	146	142	3.0%	21.6	11/64"	775#	2150#	155
6/18	136	132	4.0%	21.6	11/64"	775#	2150#	151
6/19	126	121	3.5%	21.6	11/64"	775#	2150#	149
6/20	138	134	4.0%	21.6	11/64"	775#	2150#	145
6/21	138	134	3.0%	21.6	11/64"	775#	2150#	147
6/22	138	134	3.5%	21.6	11/64"	775#	2150#	143

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OPERATOR: TIDE WATER ASSOCIATED OIL COMPANY

DIVISION OF OIL AND GAS
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WELL NO.: Standard-Sesnon 1-#11, Aliso Canyon Field

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LOS ANGELES, CALIFORNIA

CASING RECORD

	13-3/8"	54.5#	C	824'	
	7"	23, 26, 29#	C	8767'	
259'	5"	17.93#	L	8957'	Top 8698' Pf. 8763'-8957'
					Scab Cmt. 8829'-8852'; 8881'-8917'
132'	3-1/2"	8.81#	L	9058'	Top 8926' Pf. 8931'-9058'

TUBING RECORD

2-3/8" & 2-7/8" H w/pkr. at 8840'

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS
REPORT ON PROPOSED OPERATIONS

No. P. 155-677

Mr. Thomas E Weaver
Box Y
Los Nietos California
Agent for TIDE WATER ASSOCIATED OIL CO

Los Angeles 15 Calif.
April 15 19 55

DEAR SIR:

"Standard-Sesnon 1"

Your _____ proposal to deepen Well No. 11

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

dated March 31 19 55, received April 12 19 55, 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 present condition of the well is as follows:

1. Total depth. 8962'
2. Complete casing record.

13-3/8"	54.5#	C	824'
7"	23, 26, 29#	C	8767' WSO 8730'
259' 5"	18#	L	8957' Pf. 8763'-8957'

3. Last produced. 1/25/55 21 22.1 1.0%
(Date) (Net Oil) (Gravity) (Cut)"

PROPOSAL

"The proposed work is as follows:

1. Install adequate blowout prevention equipment and kill well.
2. Dump 2 sacks cement on bottom.
3. Drill out cement bull plug shoe and deepen to approximately 9067'.
4. Run electric log, and hang 2-7/8" F.J. perforated liner at approx. 9062'.
5. Spot 6 barrels Geopak on bottom and wash perforations 8915'-8885' & 8850'-8820'
6. Scab cement 5" liner 8920' - 8885' and 8850' - 8820'. Test and repeat scabbing as required.
7. Clean out to bottom and reperfurate any scabbed intervals below 8920'.
8. Circulate out Geopak with oil & run tubing w/packer."

DECISION

THE PROPOSAL IS APPROVED.

FEK:OH

cc Messrs F W Hertel
R M Burns (2)

Mr R S Curl
c/o Tide Water Associated Oil Co
888 Pacific Electric Bldg
LOS ANGELES 14

E. H. MUSSER, State Oil and Gas Supervisor

By R. M. Halling, Deputy

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

APR 12 1955

DIVISION OF OIL AND GAS

LOS ANGELES, CALIFORNIA

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

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

Los Nietos Calif. March 31 19 55
 MAP MAP BOOK CARDS *Wells* *COND* FORMS
 114 121
 Los Angeles Calif. *Blanket* *EB* *EB*

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. ~~Standard Season 1-711~~

(Cross out unnecessary words)
 Sec. 28, T. 3 N, R. 16 W, S.B. B. & M.

Aliso Canyon Field, Los Angeles County.

The present condition of the well is as follows:

- Total depth. 8962'
- Complete casing record.

13-3/8"	54.5#	C	824'
7"	23, 26, 29#	C	8767' WSO 8730'
259' 5"	18#	L	8957' PL. 8763'-8957'

3. Last produced. 1/25/55 (Date) 21 (Net Oil) 22.1 (Gravity) 1.0% (Cut)

The proposed work is as follows:

- Install adequate blowout prevention equipment and kill well.
- Dump 2 sacks cement on bottom.
- Drill out cement bull plug shoe and deepen to approximately 9067'.
- Run electric log, and hang 2-7/8" F.J. perforated liner at approx. 9062'.
- Spot 6 barrels Geopak on bottom and wash perforations 8915'-8885' & 8850'-8820'.
- Scab cement 5" line. 8920' - 8885' and 8850' - 8820'. Test and repeat scabbing as required.
- Clean out to bottom and reperfurate any scabbed intervals below 8920'.
- Circulate out Geopak with oil & run tubing w/packer.

TIDE WATER ASSOCIATED OIL COMPANY
(Name of Operator)

By *T. E. Weaver*

DIVISION OF OIL AND GAS

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WELL SUMMARY REPORT

LOS ANGELES, CALIFORNIA

Operator THE WATER ASSOCIATED OIL COMPANY Field ALISO CANYON

Well No. STANDARD-SESNON 1-11 Sec. 28, T. 3 N, R. 16 W, S.B. B. & M.

Location 2193.7 S 6055.25 W from Station #84 Elevation of derrick floor above sea level 2519.40 feet.
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 January 9, 1948

Signed J. C. Foster

W. E. Parkes
(Engineer or Geologist)

R. S. Curl
(Superintendent)

Title Agent
(President, Secretary or Agent)

Commenced drilling September 14, 1947 Completed drilling November 5, 1947 Drilling tools Cable Rotary

Total depth 8962' Plugged depth 0' GEOLOGICAL MARKERS DEPTH

Junk _____

Commenced producing November 15, 1947 Flowing gas lift pumps
(date) (cross out unnecessary words)

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>1130 rate</u>	<u>21.3</u>	<u>1.6%</u>	<u>368</u>	<u>575#</u>	<u>0#</u>
<u>225</u>	<u>21.8</u>	<u>0.4%</u>	<u>95</u>	<u>800#</u>	<u>450#</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 Casing landed in	Number of Sacks of Cement	Depth of Cementing if through perforation
<u>17-3/8"</u>	<u>824'</u>	<u>0'</u>	<u>54.5#</u>	<u>New</u>	<u>Seamless</u>	<u>T&O</u>	<u>17-1/4"</u>	<u>500</u>	
<u>7"</u>	<u>8767'</u>	<u>0'</u>	<u>23.26, 29#</u>	<u>New</u>	<u>Seamless</u>	<u>J-55 N-80</u>	<u>11"</u>	<u>500</u>	
<u>5"</u>	<u>8957'</u>	<u>8698'</u>	<u>17.93#</u>	<u>New</u>	<u>Seamless</u>	<u>J-55</u>	<u>7-3/4"</u>		

PERFORATIONS

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
<u>5"</u>	<u>8763</u> ft.	<u>8957</u> ft.	<u>80 Mesh x 2"</u>	<u>12</u>	<u>6"</u>	<u>Pacific</u>
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

MAP MAP BOOK CARDS BOND FORMS
114 121

Electrical Log Depths 824' - 8962' (Attach Copy of Log)

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DIVISION OF OIL AND GAS

History of Oil or Gas Well

LOS ANGELES, CALIFORNIA

OPERATOR TIDE WATER ASSOCIATED OIL COMPANY FIELD ALISO CANYON

Well No. STANDARD-SHSHON 1-11, Sec. 28, T. 3 N, R. 16 W, S. B. B. & M.

Signed J. C. Foster

Date January 9, 1948

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	Description
1947	
8/12 - 8/16	Graded road and rig site. Removed trees.
8/17	Idle.
8/18 - 8/23	Graded road and rig site.
8/24	Idle.
8/25	Graded road and dug cellar.
8/26 - 8/27	Built forms and graded road.
8/28 - 8/30	Poured foundation concrete. Graded road.
8/31 - 9/1	Idle.
9/2 - 9/4	Erected derrick and graded road.
9/5	Build casing racks and graded road.
9/6 - 9/7	Idle.
9/8	Built casing racks.
9/9 - 9/11	Moved in rotary.
9/12 - 9/13	Rigged up rotary.
9/14	Spudded 12-1/4" hole at 8:00 PM and drilled to 40'.
9/15 - 9/18	Drilled 12-1/4" hole from 40' to 1132'. Opened 12-1/4" hole to 17-1/4" hole from surface to 589'.
9/19	Opened 12-1/4" hole to 17-1/4" hole from 589' to 824'. Started running 13-3/8" casing.
9/20	Drilled 12-1/4" hole from 1132' to 1162'. Ran and cemented 13-3/8", 54.5# Youngstown T&C casing 824' with 500 sacks Colton Construction cement, all treated with quick setting chemical. Lost circulation when approximately 450 sacks had been displaced around shoe. Pressure increased from 350 to 500# when plugs bumped. Had no cement return to surface. Time 12:30 AM. International Cementers.
9/21 - 10/31	Drilled 11" hole from 1162' to 8695'.
11/1	Drilled 11" hole from 8695' to 8750'. Ran Schlumberger electric log at 8750'.
11/2 - 11/5	Cored 7-3/4" hole from 8750' to 8962'. Ran Schlumberger electric log.
11/6	Finished running Schlumberger electric log. Ran 11" bit and opened 7-3/4" hole to 11" from 8750' to 8767'.

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STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

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History of Oil or Gas Well

LOS ANGELES, CALIFORNIA

OPERATOR RIDE WATER ASSOCIATED OIL COMPANY FIELD ALISO CANYON

Well No. STANDARD-SESNON 1-11, Sec. 28, T. 3 N, R. 16 W, S.B. B. & M.

Signed J. C. Foster

Date January 9, 1948 Title Agent
(President, Secretary or Agent)

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Date
1947

11/7

Ran and cemented 7", 23#, 26#, 29# Youngstown Speedtite casing at 8767' with 500 sacks Colton High Temperature cement in bulk. Casing detail as follows: 8767' to 7019', 29# M-80; 7019' to 5397', 26# M-80; 5397' to 3723', 23# M-80; 3723' to surface, 23# J-55. Pressure increased from 650 to 750# when plugs bumped. Time 5:00 PM. International Cementers Incorporated.

11/8

Standing cemented. Landed 7" casing.

11/9

Standing cemented. Laid down 4" drill pipe.

11/10

Located top of hard cement at 8702'. Cleaned out to 8746'.

11/11

Ran combination Johnston tester and gun and shot four 1/2" holes at 8730'. Set packer at 8690'. Dropped bar to open trip valve at 3:44 PM. Had one puff then dead. Dropped second bar at 3:47 PM. Had one puff then dead. Lowered tester and attempted to re-shoot at 8730'. Reset packer at 8690' and opened at 4:34 PM. Had one puff then dead. Pulled packer loose at 5:35 PM. and found 100' drilling mud above trip valve but trip valve had not opened.

11/12

Ran Johnston tester on 2-7/8" drill pipe with 990' water cushion and set packer at 8690' with tail pipe at 8705'. Opened 3/8" valve at 10:37 AM. Had fair blow diminishing to no blow within 30 seconds and remained dead for duration of 1 hour 2 minute test. Had 35' rise of drilling fluid. Pressure bomb charts verified tests. Water shut off witnessed and approved by Division of Oil & Gas Inspector. Cleaned out hard cement from 8750' to 8767', then circulated to 8962'.

11/13

Wall scraped 7-3/4" hole from 8767' to 8962'. Landed 5", 17.93# J-55 Security Inserted Pacific perforated liner at 8957'. Top of liner hanger at 8698'. Perforated from 8763' to 8957' with 80 Mesh perforations by Pacific; 12 rows, 2" slots, 6" centers, 6" undercut.

11/14

Ran 2-7/8", 6.5# J-55 upset tubing, inc. bottom 335' - 2-3/8", 4.7# J-55 upset tubing and hung at 8857'. Installed Xmas Tree.

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STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

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JAN 10 1948

DIVISION OF OIL AND GAS

History of Oil or Gas Well

LOS ANGELES, CALIFORNIA

OPERATOR TIDE WATER ASSOCIATED OIL COMPANY FIELD ALISO CANYON

Well No. STANDARD-SESNON 1-11, Sec. 28, T. 3 N, R. 16 W, S. S.B. B. & M.

Signed J. C. Foster

Date January 9, 1948 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.

1948

11/15 Circulated out mud with oil and well started flowing to sump at 6:15 AM. Turned to tanks at 10:00 AM, and in 20 hours well flowed 947 barrels gross fluid; 930 barrels approximate net oil (1130 barrel net rate). Average cut 1.6%; 21.3° gravity; 368 MCF gas; 575 tubing pressure; 0# casing pressure; 28/64 bean.

11/16 In 24 hours well flowed 556 barrels gross fluid; 550 barrels approximate net oil. 0.8% cut; 28/64 to 12/64 bean; 750# tubing pressure; 0# casing pressure; 166 MCF gas; 21.4° gravity.

11/17 In 24 hours well flowed 280 barrels gross fluid; 277 barrels approximate net oil; 1.0% cut; 9/64 bean; 21.4° gravity; 775# tubing pressure; 0# casing pressure. Flowed well thru casing to clean annulus then flowed thru tubing.

11/18 In 10 1/2 hours well flowed 108 barrels gross fluid; 107 barrels approximate net oil; cut 1.0%; 9/64 bean; 21.4° gravity; 850# tubing pressure; 150# casing pressure. Well shut in.

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

11/19 - 11/23						1000#	250#		
						1050#	250#		
						1050#	275#		
11/24	87	86	1.0%	21.7°	9.5/64	600#	250#	44	24
11/25	247	245	1.0%	21.7°	11/64	800#	75#	116	24
11/26	273	272	0.4%	21.7°	11/64	825#	40#	118	24
11/27	267	266	0.5%	21.7°	11/64	800#	50#	118	24
11/28	273	272	0.5%	21.7°	11/64	800#	50#	117	24
11/29	270	269	0.5%	21.7°	11/64	800#	50#	115	24
11/30	273	272	0.1%	21.7°	11/64	800#	50#	110	24
12/1	270	269	0.4%	21.7°	11/64	800#	100#	108	24
12/2	270	269	0.4%	21.7°	11/64	800#	250#	112	24
12/3	236	235	0.2%	21.8°	11/64	800#	450#	108	24
12/4	272	271	0.3%	21.8°	11/64	800#	450#	104	24

DIVISION OF OIL AND GAS
RECEIVED
JAN 10 1948

DIVISION OF OIL AND GAS

History of Oil or Gas Well

LOS ANGELES, CALIFORNIA

OPERATOR TIDE WATER ASSOCIATED OIL COMPANY FIELD ALISO CANYON

Well No. STANDARD-SESNON J-11, Sec. 28, T. 3 N, R. 16 W, S.B. B. & M.

Signed J. C. Foster
Title Agent

Date January 9, 1948 (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 1947

12/5	231	230	0.1%	21.8°	10/64	800#	450#	87	24
12/6	226	225	0.1%	21.8°	10/64	800#	450#	89	24
12/7	226	225	0.1%	21.8°	10/64	800#	450#	89	24
12/8	221	220	0.1%	21.8°	10/64	800#	450#	90	24
12/9	227	226	0.4%	21.8°	10/64	800#	450#	91	24
12/10	227	226	0.2%	21.8°	10/64	800#	450#	89	24
12/11	225	224	0.4%	21.8°	10/64	800#	450#	92	24
12/12	224	223	0.2%	21.8°	10/64	800#	450#	93	24
12/13	237	236	0.2%	21.8°	10/64	800#	450#	95	24
12/14	226	225	0.2%	21.8°	10/64	800#	450#	95	24
12/15	227	226	0.2%	21.8°	10/64	800#	450#	96	24
12/16	226	225	0.4%	21.8°	10/64	800#	450#	95	24

CASING RECORD

13-3/8", 54.5# C 824'
7" , 23#, 26#, 29# C 8767'
5" liner 17.93# H 8957' Top 8698'
Perf. 8763-8957'

TUBING RECORD

2-7/8" tubing inc. bottom 335' - 2-3/8" H 8857'

MAP	MAP BOOK	CARDS	BOND	FORMS	
				114	121

037-00763

FORM 101.
CALIFORNIA STATE PRINTING OFFICE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS
RECEIVED

JAN 10 1948

DIVISION OF OIL AND GAS

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

Operator TIDE WATER ASSOCIATED OIL COMPANY Field ALISO CANYON

Well No. STANDARD-SESSION 1-11 Sec. 28, T. 3 N, R. 16 W, S.B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO		Thickness	Drilled or Cored	Recovery	DESCRIPTION
Top of Formation	Bottom of Formation				
0'	40'		Drilled		Surface sand and shale
40'	8630'		"		Sand and shale
8630'	8695'		"		Shale
8695'	8750'		"		Shale streaks of sand
8750'	8942'		Cored		Oil sand and siltstone
8942'	8962'		"		Mottled oil sand and gray sand

MAP	MAP BOOK	CARDS	BOND	FORMS	
				114	121

JAN 10 1948

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-SESNON 1-11 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>7-3/4"</u> <u>Head Wire Line Cores:</u>					
8750'	8760'			7' 6"	Fairly hard, dark gray and oil stained sandy siltstone. No to good cut and odor.
8760'	8770'			10' 0"	Hard, dark gray sandy siltstone. No cut and odor.
8770'	8780'			0' 3"	Sandy siltstone, as above.
8780'	8787'			3' 0"	1' 0" shell. 2' 0" firm, medium grained oil sand. Good cut and burned odor.
8787'	8796'				No recovery.
8796'	8806'			10' 0"	4' 0" firm, fine to medium grained oil sand. Good cut, burned odor. 6' 0" fairly hard, fine to medium grained. Portions silty and poorly saturated. Fair to good cut and burned odor.
8806'	8816'			10' 0"	4' 0" fairly hard, fine to medium grained silty oil sand with streaks of sandy siltstone. Poorly saturated in more silty parts. Fair to good cut, burned odor. 1' 6" Shell. 4' 6" fairly hard, fine to medium grained oil sand. Good cut and burned odor.
8816'	8826'			10' 0"	5' 0" fairly hard, medium grained oil sand. Good cut and odor. 5' 0" hard, fine to silty oil sand. Good cut, burned odor. May be classified as a saturated very sandy siltstone.
8826'	8836'			10' 0"	7' 0" hard, fine to silty oil sand. Good cut, burned odor, or saturated sandy siltstone including four 2" shells. 3' 0" hard, dark gray and oil stained sandy siltstone. No to fair cut, burned odor.

JAN 10 1948

DIVISION OF OIL AND GAS

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 L-11 Sec. 26, 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>7-3/4° Reed Wire Line Cores</u>			(Cont'd)		
8836'	8846'			10' 0"	2' 6" hard, dark gray sandy siltstone. No cut and odor. Includes 0' 3" shell near top, 1' 6" hard oil saturated sandy siltstone. Good cut and odor. Dip 6° fair. 0' 6" Shell. 5' 0" hard, dark gray sandy siltstone. No cut and odor. 0' 6" oil stained sandy siltstone. Good cut and odor.
8846'	8852'			6' 0"	1' 0" hard oil stained sandy siltstone. Good cut and burned odor. 5' 0" firm to fairly hard, medium to fine grained oil sand. Good cut and burned odor.
8852'	8862'			7' 0"	Fairly hard, medium grained oil sand. Good cut, burned odor.
8862'	8872'			10' 0"	10' hard oil saturated very sandy siltstone. Good cut, burned odor. Core may be classified as a very fine silty oil sand. Dip 10° poor.
8872'	8882'			10' 0"	Hard oil saturated and dark gray sandy silt stone. No to good cut and burned odor. Includes two 6" streaks hard, medium grained oil sand. Good cut and odor and five shells 1" to 3". Dip 14° fair.
8882'	8892'			10' 0"	Very hard, oil saturated sandy siltstone, good cut and odor.
8892'	8902'			10' 0"	Hard, dark gray sandy siltstone with occasional oil staining, no to slight cut and odor. Includes two shells totaling 1' 6".

JAN 10 1948

DIVISION OF OIL AND GAS

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

Operator TIDE WATER ASSOCIATED OIL COMPANY Field ALISO CANYON

Well No. STANDARD-SESSION 1-11 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>7-3/4" Reed Wire Line Cores</u>			(Cont'd)		
8902'	8912'			10' 0"	Hard, dark gray and oil stained sandy siltstone, no to good cut and odor. Includes three shells totaling 2".
8912'	8922'			9' 0"	6' 0" hard, fine to coarse grained, poorly sorted oil sand with pebbles to 1/4". Good cut and burned odor. Grades to 3' 0", hard oil stained sandy siltstone, good cut, burned odor.
8922'	8932'			8' 0"	2' 0" fairly hard, oil saturated sandy siltstone, good cut and odor. 6' 0" fairly hard, fine to coarse grained, poorly sorted oil sand, good cut, burned odor. Includes several thin streaks sandy siltstone.
8932'	8942'			6' 0"	4' 6" Firm, fine to coarse, poorly sorted oil sand; good cut, burned odor. 1' 6" Shell.
8942'	8952'			7' 6"	1' 0" Hard, medium gray sand and mottled oil sand. 6' 6" Hard, medium grained oil sand; good cut fair odor, but looks under saturated.
8952'	8962'			10' 6"	3' 6" Shell. 7' 0" Soft to firm, fine silty oil sand; good cut, burned odor. Badly contaminated with mud.

MAP	MAP BOOK	CARDS	BOND	FORMS	
				114	121

[Handwritten signature]

TO

194

FROM

SUBJECT:

Standard Section #1-11

OUR FILE

T.W.A.

YOUR FILE

Est. Sq. 8775 (-6256) on E.L.

Top of Section covered ↴

8750-8760 Rec 9'

9' Lt tan to Med. Gray Silts tone -

Massive to poorly bedded,
sand, hard, micaceous,

lt. tan color due to oil

staining, fractured up in coring

8760-8770

Rec 10'

Dip 15° ± Po.

10' Med. Gray Silts tone - Massive to

Poorly bedded, finely micaceous,

Sandy, Fracturing at 50°

some oil staining giving a lt. tan
color.

(next sheet)

IBM

TO _____

194

FROM _____

SUBJECT: Standard-Session #1-11

OUR FILE

T.W.A.

YOUR FILE

8770-8780 Rec 1/2
 1/2' Med. Gy Siltstone - Massive,
 finely micaceous,

8780-8787 Rec 3'
 3' Med. Brown Oil Sand - Med. grained w/ top
 1" coarse grained, soft, friable. Good Pot. ind.

8796-8806 Rec 10' Dip Poor
 10' light tan to Gray Oil Stained Sand -
 lith. as below

8806-8816 Rec 10' Dip 15° Fair
 10' light Tan to Gray Oil Stained Sand - Med to
 Coarse grained, Hard, diff friable. locally
 lime cement, & by color due to tight sand.

8816-8826 Rec 10'
 5 1/2' Dk Brown Oil Sand - Coarse grained,
 friable - poorly sorted, Good Pot. order -
 1 1/2' Med. Br. Sandy Oil Silt - Hard, finely
 micaceous, Oil saturated, VR Shells present.

TO _____

194

FROM _____

SUBJECT: Standard-Session #1-11

OUR FILE

T.W.A.

YOUR FILE

8826-8836 Rec 10' Dip 15° Fair
 10' Brownish Gray Oil Stained Siltstone -
 Massive to poorly bedded, finely
 micaceous, locally sandy.

8836-8846 Rec 10' Dip 5°-6° Fair
 10' Medium Gray Sandy Siltstone - Hard,
 abundantly finely micaceous; very
 poorly bedded to massive

8846-8852 Rec 6'
 6' light to Med. Brown Oil Sand - Med to
 coarse grained, locally soft, friable
 streaked w/ Gr Sand.

8852-8864 Rec 7'
 7' Interbedded Brown fine gr. Sand, Silt &
 Dk. Br. Coarse grained Oil Sand.

IBM

TO _____

194

FROM _____

SUBJECT: Standard-Season #1-11

OUR FILE

T.W.A.

YOUR FILE

8862-8872 Rec 10' Dip 10°+ Poor
 10' Light Brown Oil Stained Silty Sand - Very
 fine grained, micaceous, hard, diff.
 friable, Fair-Petroleum odor, slight
 foul odor.

8862
 2519
 -6343

8872-8882- Rec 10' 1-130600d. Dips Poor.
 10' Light to dark Brown Silty Oil Sand - with
 as above w/ two gray siltstone
 strk 1/2' thick at 8875 + 8880.
 also 1/2' of coarse gr. Br. Dead looking
 oil Sand - Slight foul odor as above.

8882-8892 Rec 9 1/2'
 9 1/2' Dk Brown Silty Oil Sand - Very fine
 grained, abundantly micaceous.
 Like as above

8892
 2519
 -6373

8892
 2519

IBM

TO

Nov 5. 1947

FROM

OUR FILE

TWA

SUBJECT:

YOUR FILE

Seasons #1-11

- 8750-60 Med gy, fine well sorted, slightly med, massive, fairly hd siltstone. fracturing consistently at $\pm 10^\circ$. pars oil stained
- 8760-70 ditto - plus 30% same lith but darker and very hd fracturing irreg and nearly vertical & containing concretions of same mat'l.
- 8770-80 Med gy, poorly sorted, massive hd siltstone highly fractured
- 8780-87 Gy, cse gr, hd ss, fractured & oil stained
- 8796-8806 Mottled gy & oil stained, poorly sorted, fairly hd ss
- 8806-16 ditto plus 40% fairly friable oil sd
- 8816-26 Fine gr to poorly sorted, fairly friable oil sd
s Pecten andersoni.
- 8836-46 Fine gr fairly hd oil sd 30%
Med gy, fine, hard massive sandstone
Med gy fine calcite cement sandstone irreg bed w/ 70° fractures

TO _____

FROM _____

OUR FILE

TWA

SUBJECT:

YOUR FILE

Season # 1-11

- 8846-52 Oil sd, poorly sorted firm to friable
8852-62 ditto
8862-72 Oil sd, fine gr. firm
8872-82 Oil sd, coarse friable 20%
Oil stained to 94 fine fairly hd sandstone
8882-92 Oil sd, fine, firm to friable.

✓

IBM

TO _____

194

FROM _____

OUR FILE

TWA

SUBJECT:

YOUR FILE

Standard-Sesnon #1-11

Samples

- 8892-8902 Gy. massive fine hd. ss. + occasional $\pm \frac{1}{2}$ " frags
smooth pelecypods, x frag. Arca. R forams. (R. val. miocenica
S " Calif.
S Newton 36v | 5 fish
remain
- 8902-12 ditto. x frag. Cantharus?  in matrix.
- 8912-22 Lt br oil stained massive ss. - friable w/ difficulty
Darker br. oil stained " poorly sorted more friable ss
occa. ± 2 mm. drains.
- 8922-32 Lt br oil stained fine to med. grained mass. ss. -
friable w/ difficulty.
- 8942-52 Lt. br. oil stained cse. biotitic ss.
Gy. (slight green shade) argill. poorly sort. tough ss. w/
occa. $\pm \frac{1}{2}$ " blocky pebbles dk green gy. Eocene? shale.
- 8952-62 Gy. fine mass. very hd. ss. + pocket $\pm \frac{1}{4}$ " pelecypods 
" cse " " biotitic ss. - occa. red br. mica flakes
Med br oil stained soft dilty very fine ss.

TO _____

194

FROM _____

SUBJECT: Standard - Season 1-11

OUR FILE

T.W.A.

YOUR FILE

S 28 T3-NR16W

Aliso En.

Wireline Cores

8892-8902

Rec 10'

10' Med. Gray lime Cemented Sands tone -
Very fine grained, hard. Silty w/ r
mega fossils

8902-8912

Rec 10'

10' Medium Gray Sandy Siltstone - Hard,
locally lime cemented, sand is very
fine grained, w/ r mega fossils.

8912-8922

Rec 7'

4' Med. Brown Oil Sand - Coarse grained,
saturated, poorly sorted, firm,
diff. friable.

3' Med. Gray Siltstone - lith as above

8922-8932

Rec 6'

3' Dark Brown Oil Sand - lith as above

3' Med. GY Siltstone - as above w/ thin
streaks of Sand Oil Stained & streaked

TO _____

194

FROM _____

SUBJECT: Standard Section 1-11

OUR FILE

TWA

YOUR FILE

8932-8942

Rec 6'

6' Dark Brown Oil Sand - Coarse grained, lith as above w/ lime cemented sandstone shell in Bot 1/4' also R. streaks of by Sand in the Oil Sd.

8942-8952

Rec 8'

8' Tight Gray Sand & Silts tone - Sand is slightly Oil Stained, appears very tight & silty.

8952-8962

Rec 10'

2' tight Gray lime cemented Sandstone shell - fine grained.

7' Med Gray Silts tone - Lith as above slightly Oil stained & badly carved up a mud cut viz coring.

1' lime cemented Silts tone shell.

IBM

DIVISION OF OIL AND GAS

Report on Test of Water Shut-off
(FORMATION TESTER)No. T. 1-47427Los Angeles 15, Calif. November 20, 1947

Mr. R. S. Curl

Los Nietos, Calif.Agent for TIDE WATER ASSOCIATED OIL COMPANY

DEAR SIR:

Your well No. "Standard-Seson 1" 11, 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 November 12, 1947. Mr. J. L. White, Inspector, designated by the supervisor,
was present as prescribed in Sec. 3222 and 3223, Ch. 93, Stat. 1939; there were also present
John Boyer, Engineer; R. W. Ruberts, Drilling Foreman.

Shut-off data: 7 in 23, 26, 29 b. casing was cemented at 8767 ft. on November 7, 1947
in 11" hole with 500 sacks of cement of which 10 sacks was left in casing.
Casing record of well: 13-3/8" cem. 824'; 7" cem. 8767'; four 1/2" test holes 8730', W.S.O.

Reported total depth 8962 ft. Bridged with cement from 8767 ft. to 8750 ft. Cleaned out to 8750 ft. for this test.
A pressure of 1000 lb. was applied to the inside of casing for 15 min. without loss after cleaning out to 8711 ft.
A Johnston tester was run into the hole on 2-7/8 in. drill pipe, with 990 ft. of water cushion,
and packer set at 8690 ft. with tailpiece to 8705 ft. Tester valve, with 3/8" bean, was opened at 10:37 a.m.
and remained open for 1 hr. and 02 min. During this interval there was a strong puff tapering
to no blow after 30 seconds.

INSPECTOR J. L. WHITE VISITED THE WELL FROM 7:30 P. M. TO 8:30 P. M., NOVEMBER 11, 1947,
AND MR. BOYER REPORTED:

1. An 11" rotary hole was drilled from 1132' to 8767'; a 7-3/4" rotary hole, from 8767' to 8962'.
2. Electrical core readings showed the top of Seson oil zone at 8774'.
3. The 7" casing was shot-perforated with four 1/2" holes at 8730' using a Johnston gun and tester.

THE INSPECTOR NOTED THAT the test was a misrun, as the trip valve failed to open.

INSPECTOR J. L. WHITE ARRIVED AT THE WELL AT 2:00 P. M., NOVEMBER 12, 1947, AND MR. BOYER REPORTED THAT A Johnston tester was run as noted above.

THE INSPECTOR NOTED:

1. When the drill pipe was removed, 35' (net rise) of drilling fluid was found in the drill pipe above the tester, equivalent to 0.2 bbl.
2. The recording pressure bomb chart showed that the tester valve was open throughout the test.

The test was completed at 2:40 p.m.

THE WATER SHUT-OFF ABOVE THE PERFORATIONS AT 8730' IS APPROVED.

JLW:OH

cc- T. L. Wark
Jos. Jensen
Wm. E. Perkes (2)

R. D. BUSH, State Oil and Gas Supervisor

By E. H. Messer, Deputy

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 1-47375

Mr. R. S. Curl Los Angeles 15, Calif. November 6, 19 47
Los Nietos, Calif.
Agent for TIDE WATER ASSOCIATED OIL COMPANY

DEAR SIR:

Operations at your well No. "Standard- Sesnon 1" 11 Sec. 28, T. 3 N., R. 16 W., S. B. B. & M.,
Aliso Canyon Field, in Los Angeles County, were witnessed by
J. L. White, Inspector, representative of the supervisor,
on November 3, 1947. There was also present John Boyyer, Engineer;
R. N. Frantz, Driller.
Casing Record 13-3/8" cem. 824'. T. D. 8836'. Junk None

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

The inspector arrived at the well at 3:30 p.m. and Mr. Frantz reported:

1. A 12-1/4" rotary hole was drilled from the surface to 1132' (opened to 17-1/4", from surface to 824').
2. On September 19, 1947, 13-3/8" fifty-four lb. casing was cemented at 824' with 500 sacks of cement.
3. An 11" rotary hole was drilled from 1132' to 850'; a 7-3/4" rotary hole, from 8750' to 8836'.

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

1. A Shaffer ram-type gate for closing in the well with the drill pipe out of the hole.
2. A Shaffer ram-type gate for closing around the 4-1/2" drill pipe.
3. The controls for the above equipment were located outside the derrick.
4. A 3" mud fill-up line with a 3" high pressure gate and stopcock into the 13-3/8" casing below the above equipment.

The inspection was completed at 3:45 p.m.

THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

JLW:OH

Rjma
cc- T. L. Wark
Jos. Jensen
Wm. E. Perkes (2)

R. D. BUSH

State Oil and Gas Supervisor

By *C. A. Mueser* Deputy

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

Report on Proposed Operations

No. P 1-43815

Los Angeles 15, Calif. September 4, 1947

Mr. R. S. Curl

Los Nietos, Calif.

Agent for ~~TIDE WATER ASSOCIATED OIL COMPANY~~

DEAR SIR:

Your proposal to drill Well No. "Standard-Sesnon 1" 11
Section 28, T. 3 N., R. 16 W., S.B. B. & M., Aliso Canyon Field, Los Angeles County,
dated Aug. 29, 1947, received Sept. 2, 1947, 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 2193.17 feet S. and 6055.25 feet W. from Station #84
The elevation of the derrick floor above sea level is approx. 2560 feet.
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
herein indicated:

Size of Casing	Weight	Grade and Type	Depth	Landed or Cemented
13-3/8"	54.5#	J-55 T & C	800	Cemented
7"	23, 26, 29#	J-55, N-80	8900	Cemented
5"	18#	J-55 F. J.	9100	Landed

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 1500'.
 - (b) To witness a test of the effectiveness of the 7" shut-off.

cc - T. L. Wark
Jos. Jensen
Wm. E. Perkes (2)

CLB:ES

R. D. BUSH

State Oil and Gas Supervisor

By E. H. Messer Deputy

Blanket bond.

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS
RECEIVED
SEP 2 - 1947
LOS ANGELES, CALIFORNIA

DIVISION OF OIL AND GAS

037-00763

Notice of Intention to Drill New Well

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

14

Los Nietos, Calif. August 29, 1947

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. "Standard-Sesnon 1411", Sec. 28, T. 3N

R. 16W, S.B. B. & M., Aliso Canyon Field, Los Angeles County.

Lease consists of Standard-Sesnon #1 lease.

The well is 2193.17 feet N. of S., and 6055.25 feet E. of W. from Station #84
(Give location in distance from section corners or other corners of legal subdivision)

The elevation of the derrick floor above sea level is approx. 2560 feet. 2519' J.B. SLW

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#	J-55 T & C	800	Cemented
7"	23, 26, 29#	J-55, N-80 Speedtite	8900	Cemented
5"	18#	J-55 F. J.	9100	Landed

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.

Address P. O. Box "Y", Los Nietos, Calif. Tide Water Associated Oil Company
(Name of Operator)

Telephone number Whittier 42-043 By R. J. Carl
P. Agent

ADDRESS NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

MAP	MAP BOOK	CARDS	BOND	FORMS
18A	SLW	End	Blanket	End
SLW				End