

DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS & GEOTHERMAL RESOURCES
1000 S. Hill Rd, Suite 116 Ventura, CA 93003-4458
Phone:(805) 654-4761 Fax:(805) 654-4765
REPORT ON OPERATIONS

No. T216-0052

GAS STORAGE PROJECT
"Sesnon-Frew" - Modelo (Miocene-Eocene)

Amy Kitson
Southern California Gas Company (S4700)
12801 Tampa Ave., SC9382
Northridge, CA 91326

Ventura, California
February 26, 2016

Your operations at well "**Porter Sesnon**" 42, A.P.I. No. **037-00753**, Sec. **28**, T. **03N**, R. **16W**, **SB B. & M.**, **Aliso Canyon** field, in **Los Angeles** County, were witnessed on **2/27/2016**. **Kris Gustafson**, a representative of the supervisor.

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

DECISION:

APPROVED

Kenneth A. Harris Jr.
State Oil and Gas Supervisor

By 

Bruce Hesson
District Deputy

KG/tkc
OG109

API No. 037-00753

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

T 216-0052

BLOWOUT PREVENTION EQUIPMENT MEMO

12, 1

Operator Socal Gas Well P5-42 Sec. 28 T. 03N R. 16W
 Field Aliso Canyon County Los Angeles Spud Date _____
 VISITS: Date _____ Engineer _____ Time _____ Operator's Rep. _____ Title _____
 1st 2/9/16 K. Gustafson (0930 to 1000) Not Present
 2nd _____ (_____ to _____) _____
 Contractor Ensign Rig # 331 Contractor's Rep. & Title Jeff Mosier
 Casing record of well: Pusler

OPERATION: Testing (inspecting) the blowout prevention equipment and installation. Critical well? Y N
 DECISION: The blowout prevention equipment and its installation on the 7 " casing are approved.

Proposed Well Opns: Evaluate w/ SIMP . MACP: _____ psi
 Hole size: _____ " fr. _____ " to _____ " to _____ " & _____ " to _____ " **REQUIRED BOPE CLASS: III SM**

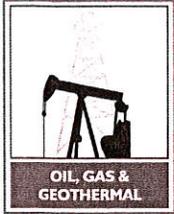
CASING RECORD OF BOPE ANCHOR STRING					Cement Details		Top of Cement	
Size	Weight(s)	Grade(s)	Shoe at	CP at			Casing	Annulus
<u>7"</u>	<u>Varies</u>	<u>S-55</u>						

BOP STACK							TEST DATA						
API Symb.	Ram Size (in.)	Manufacturer	Model or Type	Vert. Bore Size (in.)	Press. Rtg.	Date Last Overhaul	Gal. to Close	Recov. Time (Min.)	Calc. GPM Output	psi Drop to Close	Secs. to Close	Test Date	Test Press.
<u>A</u>		<u>Cameron</u>	<u>Spherical</u>	<u>11"</u>	<u>5pm</u>		<u>18.67</u>		<u>14.3</u>				
<u>Rd</u>		<u>Hydral</u>		<u>↓</u>	<u>↓</u>		<u>3.0</u>						
<u>Rd</u>							<u>3.0</u>						

ACTUATING SYSTEM				TOTAL: <u>24.67</u>	AUXILIARY EQUIPMENT					
Accumulator Unit(s) Working Pressure <u>3000</u> psi				No.	Size (in.)	Rated Press	Connections			Test Press.
Total Rated Pump Output _____ gpm		Fluid Level _____					Weld	Flange	Thread	
Distance from Well Bore <u>50</u> ft.		Precharge <u>OK</u>		Fill-up Line						
Accum. Manufacturer		Capacity		Kill Line						
1 <u>Koorey Type</u>		<u>30</u> gal.		Control Valve(s)						
2		gal.		Check Valve(s)						
		psi		Aux. Pump Cnct.						
CONTROL STATIONS				Choke Line						
Manifold at accumulator unit		Elec. Hyd. Pneu.		Control Valve(s)						
Remote at Driller's station				Pressure Gauge						
Other:				Adjstble Choke(s)						
EMERG. BACKUP SYSTEM				Bleed Line						
N2 Cylinders		Press.		Upper Kelly Cock						
1 L= <u>51</u> "		<u>2650</u> gal.		Lower Kelly Cock						
Other:		Wkg. Fluid		Standpipe Valve						
2 L= " "		gal.		Stndpipe Pres. Gau.						
3 L= " "		<u>2550</u> gal.		Pipe Safety Valve						
4 L= " "		<u>2650</u> gal.		Internal Preventer						
5 L= " "		<u>2450</u> gal.		Hole Fluid Type						
6 L= " "		gal.		Weight						
TOTAL:		gal.		Storage Pits (Type & Size)						

HOLE FLUID MONITORING EQUIPMENT				Alarm Type		Hole Fluid Type		Weight		Storage Pits (Type & Size)	
	Audible	Visual	Class								
Calibrated Mud Pit			A			<u>Poly Mud</u>	<u>6.5</u>			<u>Baker Tanks 33 389 B66</u>	
Pit Level Indicator			B								
Pump Stroke Counter											
Pit Level Recorder											
Flow Sensor			C								
Mud Totalizer											
Calibrated Trip Tank											
Other:											

REMARKS AND DEFICIENCIES:



NATURAL RESOURCES AGENCY OF CALIFORNIA
 DEPARTMENT OF CONSERVATION
 DIVISION OF OIL, GAS & GEOTHERMAL RESOURCES
 1000 S. Hill Rd, Suite 116 Ventura, CA 93003 - 4458

No. **P 216-0014**

PERMIT TO CONDUCT WELL OPERATIONS

Old	New
010	010
FIELD CODE	
00	00
AREA CODE	
30	30
POOL CODE	

Gas Storage
 Storage Integrity Management Program (SIMP)
 "Sesnon-Frew" - Modelo (Miocene-Eocene) Formation

Ventura, California
 February 04, 2016

Amy Kitson, Agent
 Southern California Gas Company (S4700)
 12801 Tampa Ave., SC9382
 Northridge, CA 91326

Your proposal to **Rework** well "**Porter Sesnon**" 42, A.P.I. No. **037-00753**, Section **28**, T. **03N**, R. **16W**, **SB B. & M.**, **Aliso Canyon** field, **Any** area, **No Pool Breakdown** pool, **Los Angeles** County, dated **1/27/2016**, received **2/2/2016** has been examined in conjunction with records filed in this office. (Lat: **34.311052** Long: **-118.562460** Datum:83)

THE PROPOSAL IS APPROVED PROVIDED:

1. Blowout prevention equipment, as defined by this Division's publication No. M07, shall be installed and maintained in operating condition and meet the following minimum requirements:
 - a. Class **III 5M** on the **7"** casing.
2. Hole fluid of a quality and in sufficient quantity to control all subsurface conditions in order to prevent blowouts shall be used.
3. Blowout prevention practice drills are conducted at least weekly and recorded on the tour sheet. A practice drill may be required at the time of the test/inspection.
4. A **USIT** log shall be performed to demonstrate that the **7"** casing has integrity. If the casing does not have integrity, the well shall be shut in and no injection operations shall be undertaken until the casing is repaired to Division satisfaction.
5. Injection or withdrawal is permitted through a tubing and packer only. The packer shall be set in cemented casing immediately above the approved zone of injection or water shutoff (WSO) holes.
6. Prior to commencing injection, a pressure test is conducted to demonstrate the mechanical integrity of the **7"** casing and the injection completion. The minimum test pressure shall be **1000** psi at surface.
7. This office shall be contacted by phone prior to making any program changes and no changes are made without Division approval.
8. **THIS DIVISION SHALL BE NOTIFIED TO:**
 - a. Inspect the installed blowout prevention equipment prior to commencing **downhole** operations.
 - b. Witness a pressure test of the **7"** casing prior to commencing injection.
 - c. Review the USIT log prior to commencing injection.
 - d. Inspect the electronic monitoring equipment prior to commencing injection.
 - e. Witness a mechanical integrity test within three months after injection has commenced.

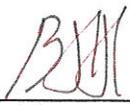
Continued on Next Page

Blanket Bond Dated: 7/6/1999
 UIC Project No. 0100006

Engineer Kris Gustafson
 Office (805) 654-4761

Kenneth A. Harris Jr.

 State Oil and Gas Supervisor

By 

 Bruce Hesson, Senior Oil and Gas Engineer

KG/kg

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

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Well #: "Porter Sesnon" 42

API #: 037-00753

Permit : P 216-0014

Date: February 04, 2016

NOTE:

1. The base of the freshwater zone is at or above 800'±.
2. No operation shall be undertaken or continued that will contaminate or otherwise damage the environment.
3. Laterals that are servicing the well, must be tested to ensure their integrity.
4. The required History of Oil or Gas Well (OG103) shall include a complete description of the required pressure test and the results of block testing. **An updated casing and tubing diagram shall be included with the well history.**
5. A Well Summary Report (Form OG 100) and Well History (Form OG 103) shall to be submitted to the Division within 60 days after the well is drilled, reworked, plugged and abandoned, or if the work is suspended. Any additional well work will require an additional notice to be submitted to this office prior to resuming well operations.



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

Rec'd 02-02-16 D2 DOGGR Ventura

FOR DIVISION USE ONLY		
Bond	Forms	
	GGD444	OGD121
	CM V WIMS	1157

P216-0014

NOTICE OF INTENTION TO REWORK / REDRILL WELL

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

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to rework / redrill well Porter Sesnon 42, API No. 037-00753,
(Check one)

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

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

11-3/4", 42# & 47#, H-40 & J-55 casing cemented at 1567'.
7", 23#, 26#, & 29#, J-55, N-80, & S-95 casing cemented at 9165'. WSO at 8801' and 9001'.
7" selectively jet perforated from 8805'-8815', 8835'-8845', 8942'-8980', and 9005'-9155' with four (4) 0.50" SPF.
5", 18#, Gru-V-Kut liner hung at 9155', top at 8755'.
5" liner slotted with 18 mesh slots from 8794'-9150'.

The total depth is: 9165 feet. The effective depth is: 9155 feet.
Present completion zone(s): Sesnon (Name) Anticipated completion zone(s): Same (Name)
Present zone pressure: <3500 psi. Anticipated/existing new zone pressure: Same psi.

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

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

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

See attached program.

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

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

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

Name of Operator Southern California Gas Company			
Address P. O. Box 2300		City/State Chatsworth	Zip Code 91313-2300
Name of Person Filing Notice Charles Jackle	Telephone Number: (310) 578-2693	Signature 	Date 1/27/16
Individual to contact for technical questions: Charles Jackle	Telephone Number: (310) 578-2693	E-Mail Address cjackle@scgprautilities.com	

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

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

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

CRITICAL WELL DEFINITION

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

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

WELL OPERATIONS REQUIRING BONDING

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

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

WORKOVER PROGRAM**Porter Sesnon 42 – Well Inspection**

DATE: January 27, 2016
OPERATOR: SOUTHERN CALIFORNIA GAS COMPANY
FIELD: ALISO CANYON
WELL: PORTER SESNON 42
API NUMBER: 037-00753
ELEVATION: All depths based on original KB, 9.05' above GL.
SURFACE LOCATION: SEC 28, T3N, R16W, S.B. B&M

OBJECTIVE

The intent of this program is to inspect the well integrity and remediate identified conditions as part of the Storage Integrity Management Program (SIMP). This program will include pulling 2-7/8" completion string, running USIT and Gyro surveys, pressure testing casing and well laterals, installing new completion string – converting well to tubing flow, installing pressure monitors, and returning well to service. Baseline assessment data will be gathered on vertical casing pipe and other well components.

WELL RECORD

Current Status:	Active
ECOD:	9155' MD (Bottom of 5" Liner).
Special Conditions:	10/5/15, Wireline survey tagged down at 8673' (482' above ECOD).
Casing Record:	11-3/4", 42# & 47#, H-40 & J-55 casing cemented at 1567'. 7", 23#/26#/29#, J-55/N-80/S-95 casing cemented at 9165'. WSO at 8801' and 9001'. 7" selectively jet perforated from 8805-8815', 8835'-8845', 8942'-8980', and 9005'-9155' with four (4) 0.50" SPF. 5", 18#, Gru-V-Kut liner hung at 9155', TOL at 8755'. 5" slotted from 8794'-9150' with 0.018" slots.
Tubing Record:	See Attached Tubing Detail.

GEOLOGIC MARKERS

M-P: 8590' MD, 5933' VSS
S-1: 8801' MD, 6144' VSS
S-2: 8838' MD, 6181' VSS
S-4: 8857' MD, 6200' VSS
S-6: 8939' MD, 6282' VSS
S-8: 9003' MD, 6346' VSS
S-10: 9033' MD, 6376' VSS
S-12: 9063' MD, 6406' VSS
S-14: 9138' MD, 6481' VSS

Estimated Field Pressure: 2580 PSI (Variable)

Estimated Bottomhole Temperature: 181 DEG F

PROGRAM NOTES:

1. BOPE requirements in Gas Company Standard 224.05 shall be fully implemented at all times.
2. The storage reservoir pressures shall be monitored during the workover with a minimum 300 psi overbalance for well control fluids.
3. Prepare the location by removing all relevant landscaping/lighting fixtures as well as surface piping and electrical components as needed. Locate rig anchors, reinstall - if necessary.
4. DOGGR permit must be posted on site. Notify the DOGGR as required for BOPE testing as stated on permit.

PRE-RIG WORK

De-energize and remove all laterals. Install companion flanges for killing the well.

WELLWORK PROGRAM

1. MIRU production rig and associated equipment.
2. Spot 500 bbl Baker tank and fill with 8.6 ppg KCl brine.
 - 2.1 Connect pump to the tubing and vent the casing through the choke manifold to the SoCalGas withdrawal system.
 - 2.2 Treat all brine fluids with Biocide, 5 gals/100 bbls
3. If the hole is not standing full of brine, then kill the well with an HEC polymer pill with approximately 8.6 ppg KCl brine. The liner volume is approximately 8 bbls. The tubing volume is approximately 50 bbls, and the casing annulus volume is approximately 266 bbls.

NOTE: Verify field surface pressure to ensure the proper kill fluid density is used prior to killing well and for well control during workover operations.

4. Install a Class III 5M BOPE per Gas Company Standard 224.05 and in accordance with the DOGGR permit. All connections and valves must be flanged and at least 5000 psig rated.
 - a.) Pressure test the Class III 5M annular preventer to 3500 psig for 20 minutes. Test blind rams and the 2-7/8" pipe rams to 5000 psig for 20 minutes. Test all lines and connections to 5000 psig.
 - b.) Perform a 300 psig low pressure test on the annular preventer, blind rams and pipe rams for 20 minutes. Test all lines and connections to 300 psig.
 - c.) All tests are to be charted and witnessed by a DOGGR representative.

Page 3

5. Unland 2-7/8" tubing string and POOH with the completion tubing along with Camco mandrel assembly.
6. Make up retrieving tool assembly and attempt to release Baker Retrieval D packer set at 8690' as per manufacturer's recommendation.

NOTE: If unable to recover packer with retrieving tool after first attempt, proceed with program as directed.

7. PU 7" (23#-29#) casing scraper and RIH to top of Baker Retrieval D packer set at 8690'. Circulate hole clean.
8. MU 7" RBP and set above liner top at 8745'± (10' above TLH) and place sand cap on top of RBP.
9. Rig up Schlumberger wireline unit and run high resolution USIT/Neutron/CBL inspection survey in 7" casing from top of RBP to surface to evaluate casing integrity.

NOTE: Engineering team to analyze USIT and pressure test survey results and may recommend additional remediation work. Additional surveys may be recommended as well.

10. Rig up Scientific Drilling wireline unit and run Gyro survey from top of RBP to surface.
11. Perform Pressure Integrity Test on 7" casing from RBP to surface as per pressure test schedule to a minimum pressure of 3400 psi.
12. Inspect wellhead and pressure test the wellhead seals to a minimum pressure of 3400 psi.
 - a.) If wellhead seals do not test, remove Class III 5M BOPE, crossover spool, and primary pack-off.
 - b.) Replace pack-off seals and reinstall a tubing head, refurbished as necessary.
 - c.) Pressure test all wellhead seals to 5000 psi.
 - d.) Reinstall Class III 5M BOPE and function test.
13. Cleanout sand cap on top of RBP. MU retrieving tool assembly and recover 7" RBP. POOH, laying down tubing.

14. PU and RIH with new completion string as follows:
 - a. Seal assembly, 2-7/8" x 7" Mechanical Set Packer
 - b. 10' pup joint 2-7/8", 6.5#, N-80 EUE 8RD tubing
 - c. 2-7/8" XN EUE 8RD no-go nipple
 - d. Full joint 2-7/8", 6.5#, N-80 EUE 8RD tubing
 - e. 2-7/8" EUE 8RD Sliding Sleeve
 - f. 2-7/8", 6.5#, N-80 EUE 8RD tubing to surface
 - g. Pup joints, 2-7/8", 6.5#, N-80 EUE 8RD tubing for space-out
 - h. Tubing hanger and fatigue nipple
15. Displace casing annulus with KCl brine treated with corrosion inhibitor.
16. Set packer at 8685'± and land as per manufacturer specifications. Pressure test the 2-7/8" x 7" casing annulus to 1000 psi.
17. Remove Class III 5M BOPE and install the wellhead tree - test to 5000 psig.
18. RDMO production rig.

WELL LATERAL HYDROTESTING

19. Per Gas Company Standard 182.0170, pressure test the tubing and casing kill laterals from the wellhead to the remote tie-in to 3400 psig. Pressure test the tubing and casing withdrawal/injection laterals from wellhead to operating valves to 3400 psig.
20. Reinstall the hydrotested laterals.
21. Install the well safety systems and instrumentation. Install pressure transmitters on tubing, casing, and surface casing.
22. Release well to operations.

EXTERNAL CORROSION PROTECTION

Per Gas Company Standard 167.30, remove any lead based paint and recoat wellhead, production tree, and laterals.

Porter Sesnon 42 Pressure Test Schedule

February 2, 2016

7" Production Casing Data:

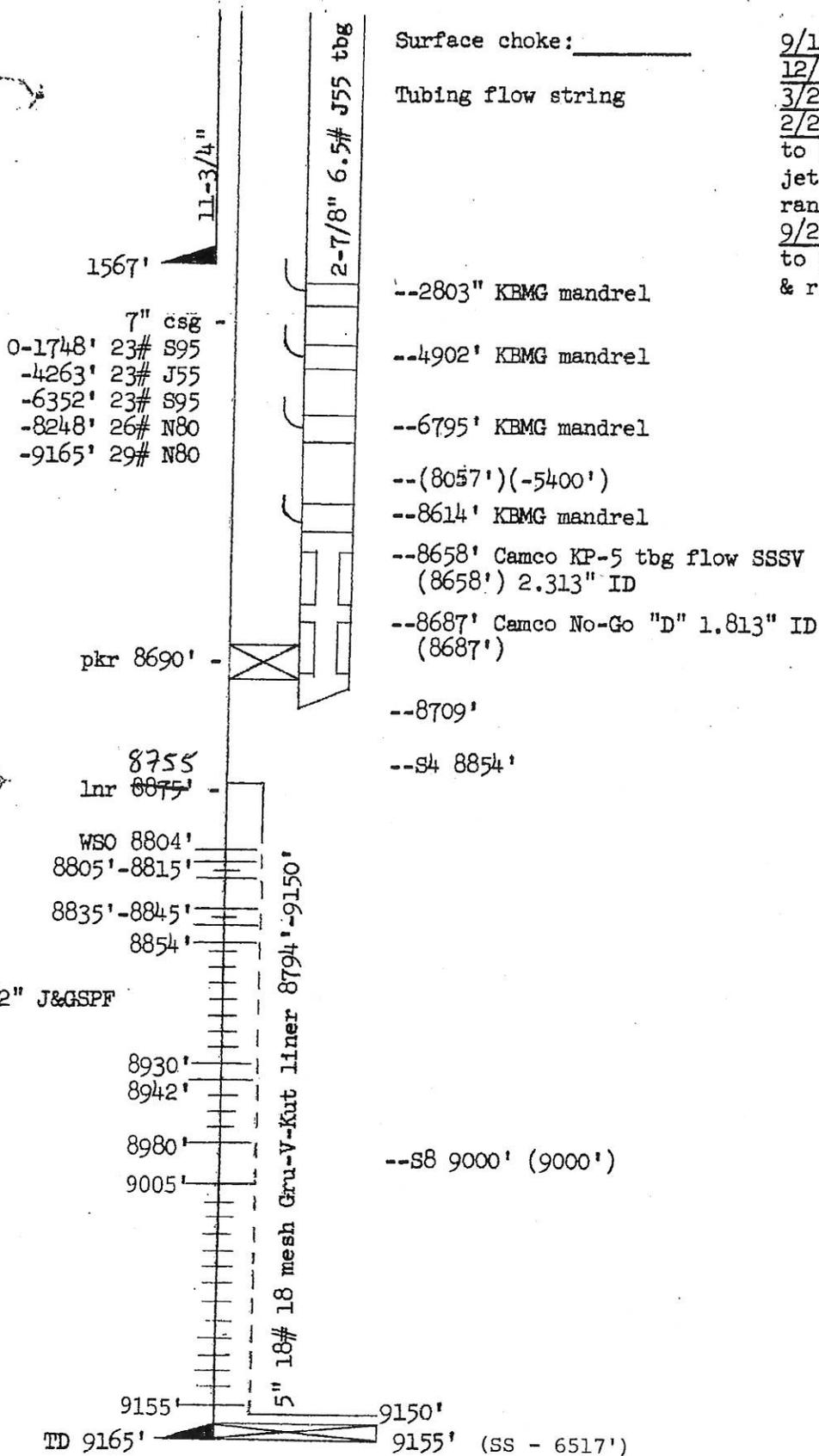
Depth (ft)	Weight (lb/ft)	Grade	Burst Rating (psi)	85% of Burst (psi)
0 – 1748'	23#	S-95	7530	6400
1748' – 4263'	23#	J-55	4360	3706
4263' – 6352'	23#	S-95	7530	6400
6352' – 8248'	26#	N-80	7240	6154
8248' – 9165'	29#	N-80	8160	6936

Objective: To test all sections of 7" production casing to a minimum of 3400 psi and a maximum of 85% of casing burst rating.

- Perform all casing tests for 30 min and record on chart.
 - After last test, notify DOGGR to witness 1000 psi casing pressure test against RBP.
 - Contact engineer, if bleed-off approaches 10% of initial test pressure in 30 min.
1. Rig up equipment to pressure test with rig pump and chart recorder, using 8.5 ppg viscosified brine.
 - Confirm fluid in the well is 8.5 ppg viscosified brine.
 2. Pick up and RIH with 7" test packer on tubing.
 - 1st test: Set packer at 4270' md. Test *below* packer to 1520 psi.
 - 2nd test: Test *above* packer to 1810 psi.
 3. Release packer. Move up the well and set packer at 3610' md.
 - 3rd test: Test *above* packer to 2100 psi.
 4. Release packer. Move up the well and set packer at 2950' md.
 - 4th test: Test *above* packer to 2390 psi.
 5. Release packer. Move up the well and set packer at 2295' md.
 - 5th test: Test *above* packer to 2680 psi.
 6. Release packer. Move up the well and set packer at 1640' md.
 - 6th test: Test *above* packer to 2970 psi.
 7. Release packer. Move up the well and set packer at 980' md.
 - 7th test: Test *above* packer to 3260 psi.
 8. Release packer. Move up the well and set packer at 330' md.
 - 8th test: Test *above* packer to 3400 psi.
 9. Release packer. POOH and lay down test packer.
 10. Pressure test casing to 1000 psi. Notify DOGGR to witness pressure test.

Elevation 2648' G.L.
 DF: 9'

Order Sesnon 42
 Rec'd 02-02-16 D2 DOGGR Ventura

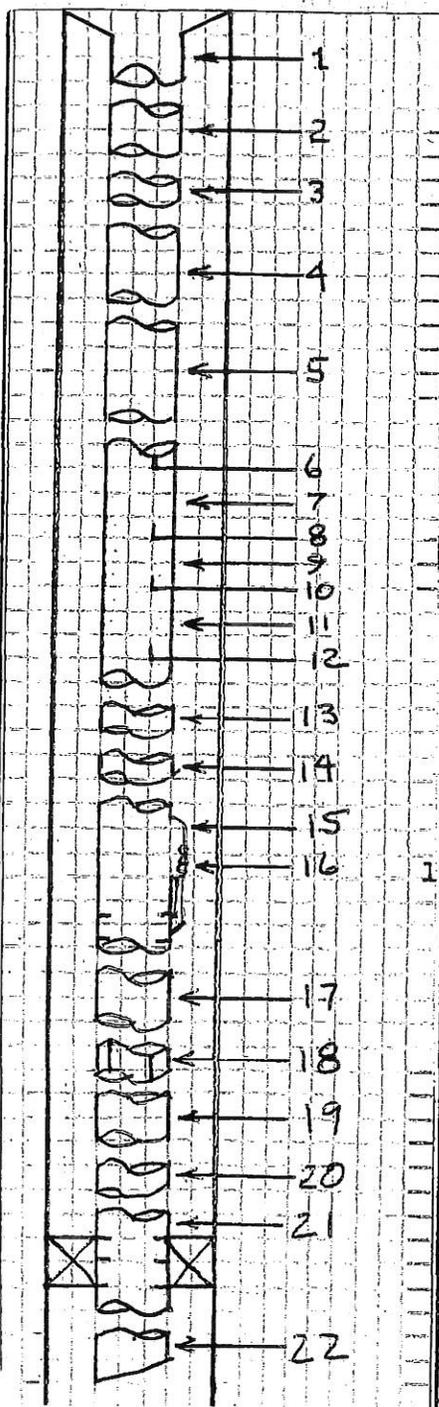


9/14/54 - Well spud
 12/3/54 - Well completed
 3/25/57 - 3/28/57 - Jet perf'd
 2/28/75 - 3/25/75 - Cleaned out to 9155', pressure tested csg, jet perf'd, ran 5" liner, & ran tubing.
 9/28/77 - 10/8/77 - Cleaned out to 9150', pressure tested csg, & ran tubing with SSSV.

WELL VOLUME

	Cu.Ft.	Bbl.
Tubing	283	50
Csg/Lnr.	63	11
Annulus	1492	266

WELL PROFILE



SOUTHERN CALIFORNIA OPERATOR <u>GAS COMPANY</u>		CASING	LINER	TUBING		
WELL # <u>PORTER SESNON L.W.#42</u>				1	2	3
FIELD <u>Aliso Canyon</u>		SIZE				
COUNTY <u>Los Angeles</u>		WEIGHT				
STATE <u>California</u>		GRADE				
DATE <u>October 8, 1977</u>		THREAD				
<input type="checkbox"/> NEW COMPLETION <input checked="" type="checkbox"/> WORKOVER		DEPTH				

ITEM NO.	TUBING DETAIL	LENGTH	DEPTH
1.	Original Elevation	9.05	9.05
2.	Doughnut	.30	9.35
3.	Pup Joint N-80 2.441" I.D. 2.875" O.D.	3.65	13.00
4.	21 Joints 2 7/8" N-80 EUE " " "	644.00	657.00
5.	72 Joints 2 7/8" J-55 " " "	2146.13	2803.13
6.	Camco KBMG Mandrel w/Baker valve 1/4", 1580 psi	11.46	2814.59
7.	71 Joints 2 7/8" EUE J-55 2.441" ID 2.875" OD	2087.26	4901.85
8.	Camco KBMG Mandrel w/Baker valve, 1/4", 1530 psi	11.03	4912.88
9.	64 Joints 2 7/8" EUE J-55 2.441" ID 2.875" OD	1882.16	6795.04
10.	Camco KBMG Mandrel w/Baker valve 1/4", 1480 psi	11.35	6806.39
11.	62 Joints 2 7/8" EUE J-55 2.441" ID 2.875" OD	1807.19	8613.58
13.	1 Joint 2 7/8" EUE J-55 2.441" ID 2.875" OD	27.40	8652.01
14.	Pup Joint 2 7/8" EUE 2.441" ID 2.875" O.D.	4.07	8656.08
(15.	Camco KP-5 Safety Valve Mandrel - EH shut-		
(16.	off v/v (CLOSED)	11.46	8667.54
17.	Camco 20' Blast Joint 2.441" ID 3.625" OD	19.83	8687.37
18.	Camco NO-GO "D" Nipple	1.07	8688.44
19.	Camco 10' Blast Joint 2.441" ID 3.625" OD	9.85	8698.39
20.	Baker Latch 2 7/8" x 2 3/8" EUE	.75	8699.04
	Baker Retrieval-"D" Packer set at (WIM).....		8690.00
21.	4 Baker Seals	4.38	8703.42
22.	Baker Production Tube	5.25	8708.67

- - NOTES - -

Tubing was measured going in hole.
 Landed tubing with 10,000# on packer.
 Pulled tubing 25,000# above weight to
 check latch. Tubing weight = 42,000#

COMMENTS:	

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

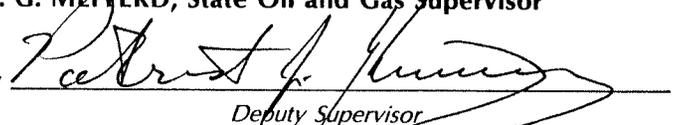
Your request, dated July 24, 1991, proposing to change the designation of well(s) in Sec. 28, T. 3N, R. 16W, S.B. B. & M., Aliso Canyon field, Los Angeles County, District No. 2, has been received.

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

<u>FROM</u>	<u>TO</u>
"SFZU" P-42A (037-21876)	"Porter" 42A (037-21876)
"SFZU" P-42B (037-21877)	"Porter" 42B (037-21877)
"SFZU" P-42C (037-21878)	"Porter" 42C (037-21878)
"SFZU" P-69A (037-22051)	"Porter" 69A (037-22051)
✓ "SFZU" PS-42 (037-00753)	"Porter Sesnon" 42 (037-00753)
"SFZU" SS-1 (037-00754)	"Standard Sesnon" 1 (037-00754)
"SFZU" SS-2 (037-00755)	"Standard Sesnon" 2 (037-00755)
"SFZU" SS-3 (037-00756)	"Standard Sesnon" 3 (037-00756)
"SFZU" SS-5 (037-00758)	"Standard Sesnon" 5 (037-00758)
"SFZU" SS-6 (037-00759)	"Standard Sesnon" 6 (037-00759)
"SFZU" SS-7 (037-00760)	"Standard Sesnon" 7 (037-00760)
"SFZU" SS-8 (037-00761)	"Standard Sesnon" 8 (037-00761)
"SFZU" SS-9 (037-00762)	"Standard Sesnon" 9 (037-00762)

M. G. MEFFERD, State Oil and Gas Supervisor

By



Deputy Supervisor

PATRICK J. KINNEAR

OPERATOR SOUTHERN CALIF GAS
 LSE & NO SFZU PS 42
 MAP 250

	(1)	(2)	(3)	(4)	()	()
INTENTION	DRILL	ALTER CSG	ALTER CSG	REWORK GAS STOP		
NOTICE DATED	9-9-54	3-14-57	2-19-75			
P-REPORT NUMBER	154-1076	157-383	275-76	277-347		
CHECKED BY/DATE						
MAP LETTER DATED				11-19-77		
SYMBOL	●	●		★		

REC'D NEED REC'D NEED REC'D NEED REC'D NEED REC'D NEED REC'D NEED

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	9-10-54		3-18-57		2-28-75		9-23-77			
HISTORY	3-16-55		5-29-57		6-20-75		10-29-77			
SUMMARY	3-16-55		5-29-57							
IES/ELECTRIC LOG										
DIRECTIONAL SURV										
CORE/SWS DESCRIP										
OTHER										
RECORDS COMPLETE					6777		(W)			

ENGINEERING CHECK

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

CLERICAL CHECK

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

MARKS:

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

DIVISION OF OIL AND GAS
RECEIVED

OCT 24 1977

SANTA PAULA, CALIFORNIA

History of Oil or Gas Well

Operator SOUTHERN CALIFORNIA GAS COMPANY Field or County Aliso Canyon
Well name and No. PORTER SESNON L.W. #42, Sec. 28, T 3N, R 16W S.B.B. & M.
A.P.I. well No. 037-00753 Name P. S. Magruder, Jr. Title Agent
Date October 13, 1977 (Person submitting report) (President, Secretary or Agent)

Signature *P. S. Magruder, Jr.*

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

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

Date

1977

- 9-28 Killed well with 370 barrels of 74# polymer drilling fluid.
- 9-29 Move in and rigged up. Circulated well free of gas. Removed Christmas tree and installed B.O.P.E.
- 9-30 Installed B.O.P.E. and tested with water, as follows:
Blind rams with 5000 psi for 20 minutes
Pipe rams " 4000 psi " 20 "
Hydril bag " 3000 psi " 20 "
All above tests O.K.
Tested with nitrogen, as follows:
Blind rams with 5000 psi for 20 minutes
Pipe rams " 4000 psi " 20 "
Hydril bag " 3000 psi " 20 "
All above tests O.K.
Unseated Baker packer and circulated bottoms up. Pulled out of well.
- 10-1 Finished pulling out of well with tubing and Baker production tools. Made up 6" bit and casing scraper. Ran in to 8755' - top of liner. Circulated bottoms up. Pulled out of well and made up 4 1/8" bit and scraper. Ran in well to 8560'.
- 10-2 Rig and crew idle.
- 10-3 Ran in well with 4 1/8" bit and casing scraper. Cleaned out soft fill from 9100' to 9150' and circulated hole clean. Ran and set Baker bridge plug at 8745'. Tested plug with 1200 psi for 10 minutes. Circulated brine-polymer drilling fluid out with fresh water treated with surface tension agent. Started out of well.

1977

- 10-4 Finished pulling out of hole. Ran in hole with Baker fullbore and tested casing, as follows:
- | | | | | | | |
|-------|----|-------|------|----------|-----|------------|
| 3800' | to | 8745' | with | 2500 psi | for | 60 minutes |
| 0' | " | 3800' | " | 2800 psi | " | 60 " |
| 0' | " | 3400' | " | 2900 psi | " | 60 " |
| 0' | " | 2900' | " | 3100 psi | " | 60 " |
| 0' | " | 2400' | " | 3300 psi | " | 60 " |
| 0' | " | 2000' | " | 3500 psi | " | 60 " |
- 10-5 Set packer at 1700' and pressure tested 7" from 0' to 1700' with 4000 psi for 60 minutes. Ran in to 7740' and circulated fresh water out with brine-polymer drilling fluid. Released bridge plug and circulated for 60 minutes. Pulled bridge plug. GO-International ran junk basket to 8706' but would not pass 8706'. Set Baker Retrieval-"D" packer at 8690'. Ran 2000' of tubing in well.
- 10-6 Assembled packer seals and safety system. Running completion tubing string while changing couplings, applying Baker seal and Hydrotesting to 5000 psi.
- 10-7 Continued Hydrotesting tubing for completion.
- 10-8 Finished Hydrotesting tubing. Landed with 10,000# on packer. Picked up 25,000# above weight of tubing to check latch. Removed B.O.P.E. and installed Christmas tree. Tested tree and seals with 5000 psi for 20 minutes. Circulated drilling fluid out with lease salt water. Set plug in NO-GO nipple. Tested seals and packer with 1800 psi for 20 minutes Archer-Reed pulling tubing plug. RIG RELEASED at 9:00 P.M. (10-8-77).

GCA/jp

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

Report on Operations

No. T 277-276

Mr. P. S. Magruder, Jr., Agent
So. 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. "6FZII" PS-42, API No. 037-00753, Sec. 28, T. 3N, R. 16W,
S.B., B & M. Aliso Canyon Field, in Los Angeles County, were witnessed
on 9/30/77. Mr. P. R. Wyle, representative of the supervisor was
present from 1200 to 1400. There were also present R. Barton, foreman

Present condition of well: No additions to the casing record since proposal dated
9/23/77.

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

N. G. MEFFERD
JOHN F. MATTHEWS, JR.
State Oil and Gas Supervisor

By John L. Hardoin Deputy

REPORT ON PROPOSED OPERATIONS

Santa Paula, California

Sept. 26, 1977

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

Your proposal to rework gas storage well "SFZU" PS-42
(Name and number)

A.P.I. No. 037-00753, Section 28, T. 3N, R. 16W

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

dated ---, received 9-23-77, 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, 5M shall be installed.
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

Deputy Supervisor

John L. Hardoin

DIVISION OF OIL AND GAS
RECEIVED

DIVISION OF OIL AND GAS

Notice of Intention to Rework Well

SEP 23 1977

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

SANTA PAULA, CALIFORNIA

FOR DIVISION USE ONLY		
BOND		
	OGD114	OGD121
BB	✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3203, Division 3. Public Resources Code, notice is hereby given that it is our intention to rework well No. PORTER SESNON L. W. #42, API No. _____, Sec. 28, T314, R. 16W, S.B. B. & M., Aliso Canyon Field, Los Angeles County.

The present condition of the well is as follows:

- Total depth. 9165'
- Complete casing record, including plugs and perforations:
 - 11 3/4" cemented 1567'
 - 7" cemented 9165', plug 9155', WSO 8801'
 - segregation 8940' & 9001', perforated 9155'-9005'
 - 8980'-8942', 8930'-8854', 8845'-8835', 8815'-8805'
 - 395' 5" 18# 18 mesh Gru-V-Kut liner landed 9150'
 - top 8755', perforated 8794' - 9150'

- 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 B.O.P.E. and pressure test.
- Pull tubing. Clean out to 9150'. Pressure test 7" casing.
- Perform any remedial work indicated by pressure testing.
- Set packer. Run tubing with down hole safety system.
- Return well to gas storage service.

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

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

Southern California Gas Company
 (Name of Operator)
 By P. S. Magruder, Jr.
 (Name) P. S. Magruder, Jr. (Date)
 Type of Organization Corporation
 (Corporation, Partnership, Individual, etc.)

PORTER SESNON L.W. #142 - ALISO CANYON

Program to install new packer, pressure test 7" casing and install new down hole safety system.

TUBING WITHDRAWAL ONLY

Take all measurements from original derrick floor 9.05' above ground.

PRESENT CONDITIONS:

11 3/4" cemented 1567' H-40 and 47# J-55
7" cemented 9165', WSO 8801'
segregation 8940' and 9001', plug 9155'
Perforated 9155' - 9005'
8980' - 8942'
8930' - 8854'
8845' - 8835'
8815' - 8805'
395' 5" 18# 18 mesh Gru-V-Kut
liner landed at 9150', Top 8755'
perforated 8794' - 8150'

<u>CASING DETAIL:</u>				100% Safety Factor	
				<u>Burst</u>	<u>Collapse</u>
0' - 1748'	23#	S-95		7500	5670
1748' - 4263'	23#	J-55		4360	3290
4263' - 6352'	23#	S-95		7500	5670
6352' - 8248'	26#	N-80		7240	5320
8248' - 9165'	29#	N-80		8160	6370

TUBING DETAIL: 2 7/8" 8rd EUE J-55 landed 8742'
Baker "R" nipple 8741'
Baker Lok-Set packer 8711'
Baker "F" nipples 8679' and 8651'
Baker sliding sleeve 8624' (open)
Camco gas lift mandrel 8591' (empty)

PROGRAM:

1. Move in and rig up. Pressure test well head seals to 4000 psi.
2. Kill well with 74#/cu.ft. brine polymer drilling fluid. Check bottom hole pressure before moving in rig. Volume of well = 365 barrels.
3. Set back pressure valve in doughnut. Remove Xmas tree and install class III 5000 psi BOPE. Pressure test complete shut-off rams and pipe rams to 4000 psi with water and nitrogen. Also pressure test Hydril bag to 3000 psi with water and nitrogen. Use float valve.

4. Unseat packer and pull tubing. Run 6" bit and casing scraper and clean out to top of 5" liner at 8755'. Run 4 1/8" bit and casing scraper. Clean out to 9150'. Note amount and type of fill.
5. Set bridge plug at 8745' and pressure test with rig pump. Circulate polymer drilling fluid out of 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 gauge, as follows:

3800'	to	8745	with	2500	psi	for	60	minutes
3800'	to	surface	with	2799	psi	for	60	minutes
3400'	"	"	"	2900	psi	"	60	"
2900'	"	"	"	3100	psi	"	60	"
2400'	"	"	"	3300	psi	"	60	"
2000'	"	"	"	3500	psi	"	60	"
1700'	"	"	"	4000	psi	"	60	"

Change to polymer drilling fluid.

6. Perform any remedial work indicated by pressure testing. Pull bridge plug from 8745'.
7. Run Baker "Retrieva'D" packer on wire line and using reference collars set packer near 8730'. DO NOT set packer in a collar.
8. Run 2 7/8" tubing, changing collars, cleaning 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" "NO GO" nipple with 2 7/8" threads
- Camco 20' heavy wall tube
- Camco tubing flow safety system
- One joint 2 7/8" tubing
- Camco Gas lift mandrels with valves

Bottom mandrel to be run empty.

9. 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.

10. Install back-pressure valve in doughnut. Remove B.O.P.E. and reinstall Christmas tree. Pressure test tree to 5000 psi.
11. Circulate drilling fluid out of well with waste salt water. Set tubing plug in NO-GO nipple. Pressure test seals and packer to 1800 psi, remove tubing plug and release rig.

G. C. ABRAHAMSON
September 17, 1977

GCA/nd

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

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

Division of Oil and Gas ✓

Well File
Spare Copy

JUN 20 1975

DIVISION OF OIL AND GAS

SANTA PAULA, CALIFORNIA

History of Oil or Gas Well

OPERATOR PACIFIC LIGHTING SERVICES, INC., FIELD ALISO CANYON

Well No. Porter Sesnon Line Well #42, Sec. 28, T. 3N, R. 16W, S.B. B. & M.

Date March 27, 1975, 19

Signed *P. B. Magruder*

P.O. Box 3249, Terminal Annex
 Los Angeles, California 90051

Agent

Title General Superintendent

(Address)

(Telephone Number)
 (213) 689-3562

(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

- | | |
|---------|---|
| 2-28-75 | Pumped 50 barrels of hot oil down tubing. Starting pressure 1500 psi. Finishing pressure 600 psi. Maximum temperature 250°. Pulled valve from MM Mandrel at 8676'. |
| 3-6-75 | Moved California Production Service rig, pump and shaker tank. Rigged up, connected kill manifold. Filled pit with brine drilling fluid 72# cu. ft. Shut job down. |
| 3-7-75 | Using Halliburton pump truck, circulated 72# cu. ft. drilling fluid to kill well. Fluid loss 350 barrels. Mixed 80barrel pill and spotted on bottom. Released pump truck. Broke circulation after two hours. Casing pressure "0". Mud too gas cut to continue. Closed well in and shut job down. |
| 3-8-75 | Attempted to fill hole. Pumped 100 barrels - zero returns. Mixed 100-barrel pill and spotted on bottom. Returns after 50 barrels. Closed well in and shut job down. |
| 3-9-75 | Rig idle. |
| 3-10-75 | Circulated with 64# cu. ft. drilling fluid. Returns after pumping 100 barrels. Circulated well free of gas. Using Otis Wire Line Service, set tubing plug at 225'. Removed Christmas tree and installed BOPE. Tested with clear water. Pipe rams 2750 psi, Hydril 2100 psi. Installed blank plug in tubing and tested blind rams - 2500 psi, each test 20 minutes. Tested with nitrogen. Blind rams 2500 psi, pipe rams 2500 psi, Hydril 2000 psi. Each test 20 minutes. D.O.G. declined to witness test. Removed tubing plugs. Filled hole through tubing. 16 barrels. Closed well in and shut job down. |
| 3-11-75 | Filled hole - 6 barrels. Circulated hole free of gas. Worked packer loose. (Guiberson KV-30) and pulled out of hole with packer and gas lift valves. Made up 7" casing scraper and 6" bit. Ran same in hole on 2 7/8" tubing. Found fill at 9071', cleaned out to 9082'. Not able to make hole. Circulated bottoms up. Pulled 10 doubles. Closed well in and shut job down. |

- 3-12-75 Filled hole - 15 barrels. Pulled out of hole. Made up two drill collars, bumper sub, bit and scraper. Ran same in hole on 2 7/8" tubing to 9082'. Rotated with power swivel. Not able to make any hole. Started out of hole, closed well in and shut job down.
- 3-13-75 Filled hole - 9 barrels. Finished pulling out of hole. Laid down bit and scraper. Made up 6" O.D. CT taper mill (Servco) on bumper sub and drill collars. Ran same in hole on 2 7/8" tubing. Started milling at 9082'. Milled through tight interval (2 1/2') and cleaned out to bottom...9155'. Circulated two hours. Started out of hole, closed well in and shut job down.
- 3-14-75 Filled hole - 9 barrels. Finished pulling out of hole. Using Dresser Atlas, recorded Neutron Lifetime Log from 9141'-8000'. Recorded Cement Bond Log from 9141'-6450'. Ran 7" 29# Lok-Set bridge plug in hole on 2 7/8" tubing. Set same at 8750'. Pressure tested casing and bridge plug to 1500 psi for 20 minutes. Pulled part way out of hole and shut job down.
- 3-15-75 Filled hole - 3 barrels. Finished pulling tubing. Removed tubing tools and working platform. Closed well in and shut job down.
- 3-16-75 Rig idle.
- 3-17-75 Removed BOPE, tubing head. Filled annulus between 7" and 11 3/4" casing with 85 barrels of waste mud. Using casing jacks, unlanded 7" casing with 200,000# pull. Removed casing slips and cut off casing head. Jack hammered cement floor out of cellar and shut job down.
- 3-18-75 Installed new 5000 psi casing head by BUTT welding to 11 3/4" casing, 4" below HEAD. Wrapped and cooled three hours. Xrayed weld. O.K. Using casing jacks, relanded 7" casing in slips with 200,000# weight. Attempted to install tubing head. Bit guide dimensions incorrect. Shut job down.
- 3-19-75 Installed new 5000 psi Cameron tubing head with "X" casing and bit guide. Packed with plastic. Tested casing head and tubing head seals to 4000 psi for 20 minutes. Installed BOPE and tested as follows: Blind rams at 2200 psi; pipe rams at 2500 psi; and Hydril at 2500 psi. Tests made with clear water. Witnessed and approved by D.O.G. Tested with nitrogen- Hydril at 2200 psi; pipe rams at 2400 psi. Each test for 20 minutes. D.O.G. declined to witness. Using Halliburton cement truck, pressure tested 7" casing, as follows: 0' to 1700' at 3400 psi for 23 minutes; 0' to 4200' at 2800 psi for 20 minutes; 0' to 6400' at 2500 psi for 20 minutes; 0' to 8750' at 2200 psi for 20 minutes. Hooked up manifold with steel hose. Started out of hole. Closed well in and shut job down.
- 3-20-75 Finished pulling out of hole with full bore. Ran in with bridge plug retrieving tool and released bridge plug at 8750'. Backscuttled bottoms up and pulled out of hole. Did not have bridge plug. Ran back in hole with retrieving tool and picked up bridge plug at 8810'. Pulled out of hole with same. Ran 21 doubles in hole. Closed well in and shut job down.

- 3-21-75 Pulled tubing out of hole. Using Dresser Atlas 4" Goldenjet guns, jet perforated four 1/2" holes per foot from 8854' to 8930'. Ran in hole with bit, scraper and drill collars on 2 7/8" tubing. Found fill at 9135'. Cleaned out to bottom...9155'. Circulated hole clean. Laid down 15 joints of 2 7/8" tubing. Pulled 126 doubles out of hole. Closed well in and shut job down.
- 3-22-75 Pulled tubing out of hole. Hauled in 5" Gru-V-Kut liner. Not able to run same. Ran 20 doubles in hole, closed well in and shut job down.
- 3-23-75 Rig idle.
- 3-24-75 Filled hole - 20 barrels. Pulled tubing out of hole. Ran 391.61' of 5" Gru-V-Kut liner....(see liner detail). Tested seal to 1000 psi with rig pump for 20 minutes, O.K. Pulled out of hole, laid down drill collars and setting tool. Ran 80 stands of 2 7/8" tubing in hole with packer and jewelry. Hydrottested all tubing in hole to 4000 psi.
- 3-25-75 Filled hole - 12 barrels. Finished Hydrottesting tubing in hole. Set packer at 8711' with 13,000# weight.....(see tubing detail). Removed BOPE and installed Christmas tree. Tested same in two places to 4500 psi - each test 20 minutes, O.K. Displaced drilling fluid in hole with 370 barrels of lease salt water. Closed well in. Riggged down to move. Released rig at 7:00 P.M.

Porter Sesnon Line Well #42

K B Measurements 9.05' above ground

LINER DETAIL

.018 Mesh 5" - 18# Gru-V-Kut 5.437" O.D.

	<u>DEPTH</u>
Top of Liner Hanger	8755.00'
Liner Hanger Length 3.50'	
BLANK	(8758.50' 8794.03'
PERF	(8794.03' 8798.29'
BLANK	(8798.29' 8800.72'
PERF	(8800.72' 8819.69'
BLANK	(8819.69' 8822.11'
PERF	(8822.11' 8841.96'
BLANK	(8841.96' 8844.36'
PERF	(8844.36' 8862.72'
BLANK	(8862.72' 8865.34'
PERF	(8865.34' 8895.50'
BLANK	(8895.50' 8897.89'
PERF	(8897.89' 8917.49'

	<u>DEPTH</u>
BLANK	(8917.49' (8919.90'
PERF	(8919.90' (8948.39'
BLANK	(8948.39' (8950.76'
PERF	(8950.76' (8970.38'
BLANK	(8970.38' (8972.71'
PERF	(8972.71' (8989.79'
BLANK	(8989.79' (8992.08'
PERF	(8992.08' (9009.48'
BLANK	(9009.48' (9011.89'
PERF	(9011.89' (9031.97'
BLANK	(9031.97' (9034.35'
PERF	(9034.35' (9050.81'
BLANK	(9050.81' (9053.27'
PERF	(9053.27' (9072.24'
BLANK	(9072.24' (9074.68'

Porter-Sesnon Line Well #42
LINER DETAIL

	<u>DEPTH</u>	
PERF	(9074.68' (9091.43'	
BLANK	(9091.43' (9093.82'	
PERF	(9093.82' (9109.04'	
BLANK	(9109.04' (9111.27'	
PERF	(9111.27' (9128.85'	
BLANK	(9128.85' (9131.25'	
PERF	(9131.25' (9148.26'	
BLANK	(9148.26' (9150.09'	shoe

TUBING DETAIL

Porter Sesnon #42 (March 25, 1975)

K B Measurements 9.05' above ground	<u>LENGTH</u>	<u>DEPTH</u>
K B to doughnut	10.25	10.25
Doughnut	.83	11.08
1 Pup Joint 2 7/8", EU 8 thd, J-55	5.00	16.03
1 Pup Joint 2 7/8", EU 8 thd, J-55	10.50	26.58
1 Pup Joint 2 7/8", EU 8 thd, J-55	10.43	37.01
289 Joints 2 7/8", EU 8 thd, J-55 tubing	8543.42	8580.43
1 Camco K B M G Mandrel (<u>Empty</u>)	11.05	8591.48
1 Joint 2 7/8" EU, 8 thd, J-55 tubing	29.55	8621.03
1 Baker Model "L" sliding sleeve 2.31" I.D. (<u>Open</u>)	2.78	8623.81
1 Joint 2 7/8" EU, 8 thd, J-55 tubing	26.49	8650.30
1 Baker Model "F" nipple 2.31" I.D.	.96	8651.26
1 Joint 2 7/8" EU, 8 thd, J-55 tubing	26.49	8677.75
1 Baker Model "F" nipple 2.31" I.D.	.96	8678.71
1 Joint 2 7/8" EU, 8 thd, J-55 tubing	28.81	8707.52
1 Baker Lok-Set Packer 2 7/8" 7", 29#	3.95	8711.47
1 Joint 2 7/8" EU, 8 thd, J-55 tubing	28.81	8740.28
1 Baker Model "R" NO-GO nipple 2.25" I.D.	.82	8741.10
1 Chamfered collar	.67	8741.77

SLIDING SLEEVE DOWN TO CLOSE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

Report on Operations

No. T. 875-114

Mr. P. S. Magruder, Jr. Agent
Pacific Lighting Service Company
P. O. Box 54770, Terminal Annex
Los Angeles, California 90054

Santa Paula, Calif.
March 21, 1975

DEAR SIR:

Operations at well No. "SPEU" PG-42, API No. 037-00753, Sec. 28, T. 31, R. 16W,
S.P., B & M. Aliso Canyon Field, in Los Angeles County, were witnessed
on Mar. 19, 1975. Mr. L. Bright, representative of the supervisor was
present from 1100 to 1500. There were also present T. Ashe, & T. Giallanardo, foreman
and engineer

Present condition of well: No change since proposal dated 2/19/75.

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

DECISION:

THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

b
cc: Operator

Thomas E. Gay, Jr., Acting Chief Div. of Oil & Gas

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

By John F. Matthews, Jr. Deputy

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

REPORT ON PROPOSED OPERATIONS No. P 275-76

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

Santa Paula, Calif.
March 4, 1975

DEAR SIR:

Your proposal to alter casing Well No. (037-00753) USFZJM PS-42
Section 28, T. 3N, R. 16W, S.B. B. & M., Aliso Canyon Field, Los Angeles County,
dated 2/19/75, received 2/28/75, 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. NO CONTAMINANTS OR TOXIC MATERIAL SHALL BE USED IN ANY DRILLING FLUID THAT IS TO BE PLACED IN AN UNLINED SUMP.
2. Blowout prevention equipment, at least of the Division of Oil and Gas Class III rating, shall be installed and maintained in operating condition at all times.
3. Blowout-prevention practice drills shall be conducted at least weekly for each crew, and recorded in the log book.
4. THIS DIVISION SHALL BE NOTIFIED:
 - a. TO WITNESS a pressure test of the blowout prevention equipment, prior to pulling the tubing.
 - b. TO WITNESS a pressure test of the blowout prevention equipment, after installation on the new casing head.

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

Blanket Bond
ALL:b
cc: Operator

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

By *LOCP Pitajius*, Deputy

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED

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

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

Alter Casing

FEB 28 1975

Los Angeles Calif. February 19 19 75

DIVISION OF OIL AND GAS

SANTA PAULA, CALIFORNIA

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. Porter-Sesnon Line Well #42

(Cross out unnecessary words)

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:

- 1. Total depth. 9165'
- 2. Complete casing record, including plugs:

11-3/4" cemented 1567'
 7" cemented 9165', D.O. cement to 9155'
 cp'd 9002', 8804', 8939', WSO's 9001',
 8940', 8801'
 Four 1/2" bullet holes per foot 9155'-9005',
 8980'-8942' and with four 1/2" jet holes
 per foot 8845'-8835' and 8815'-8805'

3. Last produced. SHUT-IN
 (Date) (Oil, B/D) (Water, B/D) (Gas Mcf/D)

The proposed work is as follows:

- 1. Kill well, install BOPE and test.
- 2. Pull tubing and clean out to 9155'.
- 3. Run CBL and NLL.
- 4. Pressure test 7" casing. Set bridge plug and install new casing and tubing heads.
- 5. Perforate upper S4 sands per logs.
- 6. Run 390' of 5" wire wrapped inner liner and land 9150'.
- 7. Run packer and tubing.

0300801

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

(Address)
(213) 689-3561
(Telephone No.)

PACIFIC LIGHTING SERVICE COMPANY

(Name of Operator)

By *P.S. Magruder, Jr.*
P. S. Magruder, Jr.

MAP	MAP BOOK	CARDS	BOND	FORMS	
				114	121
			<i>BB</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT ON PROPOSED CHANGE OF WELL DESIGNATION

830 North La Brea Avenue
Inglewood, California

September 26, 1968

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

DEAR SIR:

Your request dated letter dated August 26, 1968, relative to change in designation of well(s) in Sec. 27, 28, 34, T. 3 N., R. 16 W., S. B. B. & M., Aliso Canyon field, Los Angeles County, District No. 1, has been received;

and in accordance with Section 3203, Public Resources Code, reading in part as follows:

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

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

See attached list.

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

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

By *Wm. C. Bailey*
Deputy Supervisor

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

REPORT OF PROPERTY AND WELL TRANSFER

Field or County Los Angeles District 1
Former Owner: Getty Oil Company Date Sept. 26, 1968

Description of Property Sec. 27, 28, 34, T. 3 N., R. 16 W., S. B. B. & M.
Sec. 27: Sec. 28:

- *"Fernando Fee" 32 (037-00686)
- "Porter" 12 (037-00701)
- " 30 (037-00717)
- " 31 (037-00718)
- " 32 (037-00719)
- List of Wells
- "Porter" 36 (037-00723)
- " 37 (037-00724)
- " 45 (037-00732)
- Sec. 28:
- "Porter" 4 (037-00699)
- " 25 (037-00712)
- " 26 (037-00713)
- " 34 (037-00721)
- " 35 (037-00722)
- " 38 (037-00725)
- " 39 (037-00726)
- "Porter" 40 (037-00727)
- " 41 (037-00728)
- " 42 (037-00729)
- " 43 (037-00730)
- " 44 (037-00731)
- " 46 (037-00733)
- " 47 (037-00734)
- "Porter-Sesnon" 42 (037-00753)
- Sec. 34:
- "Fernando Fee" 31 (037-00685)
- " 33 (037-00687)
- " 34 (037-00688)
- " 35 (037-00689)
- "Mission-Adrian Fee" 3 (037-00693)
- " 4 (037-00694)
- " 5 (037-00695)

Date of Transfer August 1, 1968
New Owner: GETTY OIL COMPANY, OPERATOR
Address: 3450 Wilshire Boulevard, Room 720
Los Angeles, California 90005
Telephone No. 381-7151

Type of Organization Corporation
Reported by: C. G. Nelson for Getty Oil Co. & Getty Oil Co., Operator (letter of
Confirmed by: 8-7-68)*
New Operator New Status PA , Old Operator New Status PA
Request Designation of Agent No

Remarks:

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

Wm C Bailey
Deputy Supervisor

	INITIALS	DATE	
Form 121			
New Well Cards			
Well Records			
Electric Logs			
Production Reports			
Map and Book			
Form 148			
Notice to be cancelled			
Bond status			

LEGEND	
PA	Producing Active
NPA	Non Potential Active
PI	Potential Inactive
NPI	Non Potential Inactive
Ab	Abandoned or No More Wells

Proposed Changes of Well Designation

Old Designation:

New Designation:

Sec. 27:

"Fernando Fee" 32

"SFZU" FF-32 (037-00686)

"Porter" 12

" P-12 (037-00701)

" 30

" P-30 (037-00717)

" 31

" P-31 (037-00718)

" 32

" P-32 (037-00719)

" 36

" P-36 (037-00723)

" 37

" P-37 (037-00724)

" 45

" P-45 (037-00732)

Sec. 28:

"Porter" 4

"SFZU" P-4 (037-00699)

" 25

" P-25 (037-00712)

" 26

" P-26 (037-00713)

" 34

" P-34 (037-00721)

" 35

" P-35 (037-00722)

" 38

" P-38 (037-00725)

" 39

" P-39 (037-00726)

" 40

" P-40 (037-00727)

" 41

" P-41 (037-00728)

" 42

" P-42 (037-00729)

" 43

" P-43 (037-00730)

" 44

" P-44 (037-00731)

" 46

" P-46 (037-00733)

" 47

" P-47 (037-00734)

"Porter-Sesnon" 42

" PS-42 (037-00753)

Sec. 34:

"Fernando Fee" 31

"SFZU" FF-31 (037-00685)

" 33

" FF-33 (037-00687)

" 34

" FF-34 (037-00688)

" 35

" FF-35 (037-00689)

"Mission-Adrian Fee" 3

" MA-3 (037-00693)

" 4

" MA-4 (037-00694)

" 5

" MA-5 (037-00695)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED

History of Oil or Gas Well

MAY 29 1957

OPERATOR TIDEWATER OIL COMPANY FIELD ALISO CANYON LOS ANGELES, CALIFORNIA

Well No. Porter-Season #42, Sec. 28, T. 3 N, R. 16 W, S. & M. B. & M.

Date May 15, 1957, 19 Signed L. A. Braden

P. O. Box #10 Title L. A. Braden, Agent
Los Nietos, Calif. Oxford 91051
(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

Before altering casing, Porter-Season #42 produced 17 b/D net oil, 1 1/2% cut, 19.8 gravity, and was in the following mechanical condition:

20" C 38'
11-3/4" 42, 47# C 1567'
7" 23, 26, 29# C 9165'

WFO 8801', 9001'
C.P. 8801', 8939', 8940', 9002'
G.P. 8942', 8980', 9005', 9155'
(4 - 1/2" R/R)

T.D. 9165'; Pg. 9155'

1957

3/25
3/26
3/27

Moved in and rigged up hoist. Preparing to perforate S-1 to S-4 sands. Raised and reset packer at 8720'.

Ran Hercules thru-tubing string jet (1 1/4 gram) and perforated four holes per foot from 8845'-8835' and 8815'-8805'. Fluid level dropped from 2300' to 3400'. Returned to production at 3:00 PM. In 15 hours well produced on gas lift 37 bbls. gross, 32 bbls. net, 13% cut (51 b/D net rate).

3/28

In 24 hours well produced on gas lift 24 bbls. gross, 21 bbls. net, 12% cut, 19.4 gravity, 150/300#, 20/64" bean.

	Gross	Net	Cut	Gravity	Bean	Tubing Pressure	Casing Pressure
3/29	19	17	12.0%	19.4	20/64"	250#	800#
3/30	17	15	12.0%	19.4	20/64"	250#	800#
3/31	17	15	12.0%	19.4	20/64"	250#	800#
4/1	14	12	12.0%	19.4	20/64"	250#	800#
4/2	22	19	12.0%	19.4	20/64"	250#	800#
4/3	19	17	12.0%	19.4	20/64"	100#	800#
4/4	20	18	12.0%	19.4	20/64"	100#	800#
4/5	21	18	12.0%	19.4	20/64"	100#	800#
4/6	16	14	12.0%	19.4	20/64"	100#	800#
4/7	21	19	12.0%	19.4	20/64"	100#	800#
4/8	18	16	12.0%	19.4	20/64"	100#	800#
4/9	18	16	12.0%	19.4	20/64"	100#	800#
4/10	20	18	12.0%	19.4	20/64"	100#	800#
4/11	18	16	12.0%	19.4	20/64"	100#	800#

OPERATOR: TIDEWATER OIL COMPANY

WELL NO.: Porter-Senson #42, Aliso Canyon Field

Page 2

<u>1957</u>	<u>Gross</u>	<u>Net</u>	<u>Cut</u>	<u>Gravity</u>	<u>Bean</u>	<u>Tubing Pressure</u>	<u>Casing Pressure</u>
4/12	18	16	12.0%	19.4	20/64"	100#	800#
4/13	18	16	12.0%	19.4	20/64"	100#	800#
4/14	17	15	12.0%	19.4	20/64"	100#	800#
4/15	17	15	12.0%	19.4	20/64"	100#	800#
4/16	19	17	12.0%	19.4	20/64"	100#	800#
4/17	19	17	12.0%	19.4	20/64"	100#	800#
4/18	18	16	12.0%	19.4	20/64"	100#	800#
4/19	3	3	12.0%	19.4	20/64"	100#	800#
4/20	19	17	12.0%	19.4	20/64"	100#	800#
4/21	19	17	12.0%	19.4	20/64"	100#	800#
4/23	19	17	12.0%	19.4	20/64"	100#	800#
4/24	19	17	12.0%	19.4	20/64"	100#	800#
4/25	19	17	12.0%	19.4	20/64"	100#	800#

CASING RECORD

11-3/4" 42, 47# C 1567'
7" 23, 26, 29# C 9165' WSO 8801'
Segregation 9001'; 8939'
4 H/F 9155'-9005'; 8980'-8942'
8845'-8835'; 8815'-8805'

TUBING RECORD

2-7/8" set on pkr. at 8720' w/6 flow valves

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCESDIVISION OF OIL AND GAS
REPORT ON PROPOSED OPERATIONS

No. P 157-383

Mr. Lawrence A Braden
P O Box Y
Los Nietos California
Agent for TIDEWATER OIL COLos Angeles 15 Calif.
March 20, 1957

DEAR SIR:

"Porter-Sesnon"

Your proposal to alter casing Well No. 42

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

dated March 14, 1957, received March 18, 1957, 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:

- Total depth. 9165'; Pg. 9155'
- Complete casing record.

20"	C 38'		
11-3/4" 42, 47#	C 1567'		
7" 23, 26, 29#	C 9165'	WSO 8801', 9001'	C.P. 8804', 8939', 8940', 9002'
			G.P. 8942'-8980'; 9005'-9155' (4 - 1/2" H/F)
- Produced.

March, 1957	17 B/D	19.8	14.0%
(Date)	(Net Oil)	(Gravity)	(Cut)"

PROPOSAL

"The proposed work is as follows:

- Load well with dead oil and raise tubing.
- Jet perforate through tubing with four holes per foot from 8805'-8815' and 8835'-8845'.
- Complete well on gas lift."

DECISION

THE PROPOSAL IS APPROVED.

FEK:OH

cc Mr F W Hertel
c/o Tidewater Oil Co
79 New Montgomery Street
SAN FRANCISCO 20 California

E. H. MUSSER, State Oil and Gas Supervisor

By R. N. Walling, Deputy

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

MAR 18 1957

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 11, 19 57

DIVISION OF OIL AND GAS

Los Angeles Calif.

In compliance with Section 3203, Public Resources Code, notice is hereby given that it is our intention to commence the work of ~~deepening, redrilling, plugging or~~ altering casing at Well No. Porter-Sesnon #42
(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:

1. Total depth. 9165'; Pg. 9155'

2. Complete casing record.

20"		C	38'	
11-3/4"	42, 47#	C	1567'	
7"	23, 26, 29#	C	9165'	

WSO 8801', 9001'
C.P. 8804', 8939', 8940', 9002'
G.P. 8942'-8980'; 9005'-9155'
(4 - 1/2" H/F)

3. ~~Gas~~ produced. March, 1957 17 B/D 19.8 14.0%
(Date) (Net Oil) (Gravity) (Cut)

The proposed work is as follows:

1. Load well with dead oil and raise tubing.
2. Jet perforate through tubing with four holes per foot from 8805'-8815' and 8835'-8845'.
3. Complete well on gas lift.

TIDEWATER OIL COMPANY

(Name of Operator)

By L. A. Braden
L. A. Braden, Agent

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

DIVISION OF OIL AND GAS

WELL SUMMARY REPORT

DIVISION OF OIL AND GAS
RECEIVED

MAR 16 1955

LOS ANGELES, CALIFORNIA

Operator TIDE WATER ASSOCIATED OIL COMPANY Field ALISO CANYON FIELD

Well No. Porter-Sannon #42 Sec. 28, T. 3 N, R. 16 W, S.B.B. & M.

Location 2284.76' South & 1879.80' W from Station #84 Elevation above sea level 2647.51 feet.
All depth measurements taken from top of Derrick Floor, which is 9.05 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 3-1-55 Signed T. E. Weaver
E. G. Young (Engineer or Geologist) W. D. Gould (Superintendent) Title T. E. Weaver, Agent (President, Secretary or Agent)

Commenced drilling 9-14-54 Completed drilling 11-10-54 Drilling tools Cable Rotary

Total depth 9165' Plugged depth 9155' GEOLOGICAL MARKERS DEPTH

Junk _____

Commenced producing 12-3-54 Flowing/gas lift/pumping
(date) (cross out unnecessary words)

12/4/54 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
138	21.7	0.2%	66	300#	1000#
70	19.7	5.0%	-	200#	900#

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
11-3/4"	1567'	0'	12,47#	New	Seamless	B-40, J-55	1 1/2"	750 Sx. + Pozmix @ 200 West	
7"	9165'	0'	23,26,29#	New	Seamless	J-55, B-80, B-95	10-5/8"	600	
								75 Sx.	8804'
								75 Sx.	9002'
								50 Sx.	8939'

PERFORATIONS

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
7"	8942' ft.	8980' ft.	4 - 1/2" holes/ft.	-	-	Gun Perfs. by Lane-Wells
7"	9005' ft.	9155' ft.	4 - 1/2" holes/ft.			" " " "
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

Electrical Log Depths 100' - 9158' (Attach Copy of Log)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCESDIVISION OF OIL AND GAS
RECEIVED

DIVISION OF OIL AND GAS

MAR 16 1955

History of Oil or Gas Well

LOS ANGELES, CALIFORNIA

OPERATOR TIDE WATER ASSOCIATED OIL COMPANY FIELD ALITO CANYON

Well No. Porter-Season #42, Sec. 28, T. 3 N, R. 16 W, S. S.3. B. & M.

Date March 1, 1955, 19____ Signed T.C. Weaver

Los Nietos, Calif. Oxford 91051 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

LOCATION: 2284.74' South and 4879.80' West from Station #81.ELEVATION: 2647.51' Mat; 2656.56' Derrick Floor1954

8/2-31

9/1-9

9/10-13

9/14

9/15

9/18

9/17-18

9/19

9/20

9/21

9/22

9/23

9/24

9/25

9/26

9/27

Grading.

Staked location, set 20" conductor pipe at 38', installed cellar forms, poured cellar, erected derrick.

Ringed up rotary.

Spudded 10-5/8" hole at 6:00 AM and drilled to 348'. Lost circulation.

Regained circulation at 348'. Drilled 10-5/8" hole from 348' to 528'. Lost and regained circulation at 450'.

Drilled 10-5/8" hole from 528' to 747'. Mud is Gel and lost circulation material. Drilling with full returns.

Drilled 10-5/8" hole from 747' to 1301'. Lost and regained circulation at 1042' (2 hours).

Drilled 10-5/8" hole from 1301' to 1569'. Mud weight 60%, 30% lost circulation material.

Drilled 10-5/8" hole from 1569' to 2041'. Mud weight 70%, 70 viscosity, Screening out lost circulation material.

Drilled 10-5/8" hole from 2041' to 2496'. Mud weight 70%, 60 viscosity.

Drilled 10-5/8" hole from 2496' to 2505'. San Schlumberger electric log at 2505'. Opened hole to 15" to 729'. Lost and regained circulation at 452' and 500'. Mud weight 70%, 30% lost circulation material.

Opened hole to 15" from 729' to 1136'. Lost and regained circulation at 1136'. Mud weight 71%, 30% lost circulation material.

Opened hole to 15" from 1136' to 1466'. Mud weight 70%.

Opened hole to 15" from 1466' to 1567'. Reamed hole to 1567'. Lost and regained circulation at 1000' while reaming.

Cemented 11-3/4" 47# and 42#, J-55 and H-40, new Youngstown sea-class Range 3 casing at 1567' with 750 sacks construction cement plus 141 Posmix and 2% Gel and 100 sacks West cement at shoe. Bumped plugs with 600%. Cement in place at 7:00 AM. Lost circulation while cementing. Placed 100 sacks around top of casing, filling to surface. Halliburton Cementers. Landed casing and installed cellar connections. Casing detail (bottom to top):

593.59' 47# J-55

977.42' 42# H-40

Tested casing with 750# for 15 minutes. Drilled out cement and floating equipment. Cleaned out to 2505' and drilled 10-5/8" hole from 2505' to 2726'. Mud weight 70%, 40 viscosity.

MAR 16 1955

OPERATOR: TIDE WATER ASSOCIATED OIL COMPANY

WELL NO.: Porter-Sesnon #42, Aliso Canyon Field

LOG ANALYSIS, CONTINUED Page 2

1954

9/28 Drilled 10-5/8" hole from 2726' to 3155'. Mud weight 72#, 46 viscosity, 7.8 c.c. water loss.

9/29 Drilled 10-5/8" hole from 3155' to 3537'. Mud weight 74#, 50 viscosity.

9/30 Drilled 10-5/8" hole from 3537' to 3872'. Mud weight 75#, 53 viscosity, 8.0 c.c. water loss.

10/1 Drilled 10-5/8" hole from 3872' to 4184'. Mud weight 77#, 60 viscosity, 7.6 c.c. water loss.

10/2 Drilled 10-5/8" hole from 4184' to 4533'. Mud weight 75#, 33 viscosity.

10/3 Drilled 10-5/8" hole from 4533' to 4852'. Mud weight 77#, 60 viscosity, 7.6 c.c. water loss.

10/4 Drilled 10-5/8" hole from 4852' to 5002'. Mud weight 79#, 56 viscosity, 4.4 c.c. water loss.

10/5 Drilled 10-5/8" hole from 5002' to 5097'. Mud weight 80#, 45 viscosity, 4.6 c.c. water loss.

10/6 Drilled 10-5/8" hole from 5097' to 5212'. Mud weight 77#, 80 viscosity, 3.8 c.c. water loss.

10/7 Drilled 10-5/8" hole from 5212' to 5331'. Mud weight 78#, 60 viscosity, 4.2 c.c. water loss.

10/8 Drilled 10-5/8" hole from 5331' to 5688'. Mud weight 78#, 63 viscosity, 8.2 c.c. water loss.

10/9 Drilled 10-5/8" hole from 5688' to 5915'. Mud weight 76#, 60 viscosity, 6.8 c.c. water loss.

10/10 Drilled 10-5/8" hole from 5915' to 5980'. Mud weight 77#, 55 viscosity, 5.0 c.c. water loss. Stuck pipe going in hole at 5565'. Spotted 40 barrels oil and pulled loose at 10:00 PM. Reamed hole from 5530' to 5980'.

10/11 Drilled 10-5/8" hole from 5980' to 6309'. Mud weight 75#, 40 viscosity, 5.3 c.c. water loss.

10/12 Drilled 10-5/8" hole from 6309' to 6464'. Mud weight 76#, 40 viscosity, 3.2 c.c. water loss.

10/13 Drilled 10-5/8" hole from 6464' to 6753'. Mud weight 77#, 45 viscosity, 3.4 c.c. water loss.

10/14 Drilled 10-5/8" hole from 6753' to 7000'. Mud weight 77#, 40 viscosity, 3.8 c.c. water loss.

10/15 Drilled 10-5/8" hole from 7000' to 7164'. Mud weight 77#, 38 viscosity, 4.8 c.c. water loss.

10/16 Drilled 10-5/8" hole from 7164' to 7382'. Lost circulation at 7382'.

10/17 Drilled 10-5/8" hole from 7382' to 7577'. Regained circulation at 7382'. Mud weight 77#, 43 viscosity, 5.8 c.c. water loss.

10/18 Drilled 10-5/8" hole from 7577' to 7837'. Mud weight 74#, 43 viscosity, 6.4 c.c. water loss.

10/19 Drilled 10-5/8" hole from 7837' to 8111'. Mud weight 76#, 40 viscosity, 5.4 c.c. water loss.

10/20 Drilled 10-5/8" hole from 8111' to 8272'. Mud weight 78#, 37 viscosity, 5.6 c.c. water loss.

10/21 Drilled 10-5/8" hole from 8272' to 8467'. Lost circulation at 8467'.

10/22 Regained circulation at 8467'. Drilled 10-5/8" hole from 8467' to 8569'. Mud weight 77#, 45 viscosity, 6.4 c.c. water loss.

10/23 Drilled 10-5/8" hole from 8569' to 8631'. Mud weight 70#, 49 viscosity, 3.2 c.c. water loss.

10/24 Drilled 10-5/8" hole from 8631' to 8730'. Mud weight 70#, 47 viscosity, 2.4 c.c. water loss.

10/25 Drilled 10-5/8" hole from 8730' to 8796'. Mud weight 71#, 45 viscosity, 1.6 c.c. water loss.

MAR 16 1955

OPERATOR: TIDE WATER ASSOCIATED OIL COMPANY

WELL NO.: Porter-Sesnon #42, Aliso Canyon Field

LOS ANGELES, CALIFORNIA Page 3

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- 10/26 Drilled 10-5/8" hole from 8796' to 8906'. Mud weight 72#, 46 viscosity, 1.4 c.c. water loss.
- 10/27 Drilled 10-5/8" hole from 8906' to 9065'. Mud weight 71#, 50 viscosity, 2.6 c.c. water loss.
- 10/28 Drilled 10-5/8" hole from 9065' to 9150'. Mud weight 72#, 54 viscosity, 3.0 c.c. water loss.
- 10/29 Drilled 10-5/8" hole from 9150' to 9165'. Mud weight 72#, 47 viscosity, 3.1 c.c. water loss. Ran Schlumberger electric log at 9165'. Conditioned hole at 9165' for casing.
- 10/30 Ran and cemented 7" 23, 26 and 29#, J-55, N-80 and S-95 casing at 9165' with 600 sacks Colton Hi-temperature cement. Casing equipped with Baker differential fillup shoe and differential collar one joint above shoe. Used six centralizers and 12 scratchers. Displaced cement with 2063 cu. ft. mud to bump plugs to 1000# (500# over W.P.). Cement in place at 12:13 PM. Halliburton Cementers - two power units. Casing detail (bottom to top):
- | | | |
|-------|----------------------|------|
| 917' | 29# | N-80 |
| 1896' | 26# | N-80 |
| 2089' | 23# | S-95 |
| 2515' | 23# | J-55 |
| 1732' | 23# | S-95 |
| <hr/> | | |
| 9149' | Below landing flange | |
- Laid down 1 1/2" drill pipe. Standing cemented.
- 10/31 Ran bit and scraper to top of cement at 9116'. Circulated and conditioned mud.
- 11/1 Drilled out cement to 9155'. Ran Lane-Wells Gamma Ray log and collar locator to 9155'. Using Lane-Wells jet perforator, shot four holes at 9002'. Ran Johnston casing tester on 3-1/2" drill pipe with 1000' water cushion. Set packer at 8956' with tailpipe to 8973'. Opened valve at 12:30 AM (11-2-54) for one hour. Had medium steady blow throughout with spray of cushion at surface in 40 minutes. Made 30 minute shut in test. Recovered 3240' net rise clean oil.
- 11/2 Left Johnston packer in hole. Ran bit and scraper to 9155'. Ran Baker Model "K" magnesium retainer to 8970'. Slips would not hold. Pulled retainer.
- 11/3 Ran bit and scraper to bottom and conditioned mud. Reran Baker Model "K" retainer as before. Could not set retainer. Pulled retainer and reran bit and scraper. Ran Baker Model "K" retainer #3 and set at 8942'. Holes at 9002' took fluid at 4300# at 8 cu. ft. per minute rate. Mixed and displaced 75 sacks Colton Hi-temperature cement. Closed tool and squeezed 65 sacks away. Final pressure 5000#. Backed off retainer. Cement in place 5:50 PM. B.J. Service. Using Lane-Wells jet perforator, shot four holes at 8940'. Ran Johnston casing tester on 3-1/2" drill pipe with 1000' water cushion.
- 11/4 Set J.C.T. packer at 8885' with tailpipe to 8904'. Open for one hour. Had light puff, then dead for balance of test. Recovered 90' net rise gassy drilling fluid (had 270' of dry pipe below cushion). Segregation at 56 O.K. Ran Lane-Wells jet perforator and shot four holes at 8804'. Ran J.C.T. with 1000' water cushion and set packer at 8772' with tailpipe to 8790'. Opened valve at 12:22 AM for one hour. Had light steady blow for 40 minutes, medium steady blow for balance of test. Recovered 370' net rise gassy, oily drilling fluid (had 1080' dry pipe below cushion). Charts indicate pressure built up from 500-900#.
- 11/5 Ran Baker Model "K" retainer on 3-1/2" drill pipe and set retainer at 8750'. Holes took fluid at 2400' at 10 cu. ft. per minute. Displaced 75 sacks Colton Hi-temperature cement. Squeezed 65 sacks away. Final pressure 5500#. Cement in place 11:30 AM. B.J. Service. Cleaned out retainer and cement from 8750' to 8840'.

MAR 16 1955

LOS ANGELES, CALIFORNIA

OPERATOR: TIDE WATER ASSOCIATED OIL COMPANY

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- 11/6 Lane-Wells shot four jet holes at 8801'. Ran J.C.T. on 3-1/2" drill pipe with 970' water cushion. Set packer at 8766' with tailpipe to 8784'. Opened valve at 2:32 PM. Had light blow for 3 minutes, then dead for balance of 1 hour test. Recovered 20' net rise drilling fluid. Water shutoff at 8801' witnessed and approved by Division of Oil and Gas. Cleaned out cement to 8940'. Holes at 8940' (S₆) took cement on previous cement job. Lane-Wells shot four jet holes at 8939'.
- 11/7 Ran J.C.T. on 3-1/2" drill pipe as before. Set packer at 8897' with tailpipe to 8912'. Open for one hour. Had light blow for 2 minutes, dead for 30 minutes, medium steady blow for balance of test. Recovered 460' net rise muddy oil with gas in cushion. Ran Baker Model "K" retainer and set at 8866'. Holes at 8939' took fluid at 5600# at 4 cu. ft. per minute. Displaced 50 sacks Colton Hi-temperature cement. Squeezed 14 sacks away. 7000# final pressure. Backscuttled excess cement. Cement in place 7:55 PM. B.J. Service. Waived additional S₆ segregation testing in lieu of squeeze job.
- 11/8 Drilled out retainers and cement and circulated to 9155'. Lane-Wells shot four jet holes at 9001'. Ran J.C.T. on 3-1/2" drill pipe. Could not set packers. Pulled and reran J.C.T. on 3-1/2" drill pipe. Could not set packers. Pulled and reran J.C.T. with same results. Pulled J.C.T. Ran bit to bottom to clean out drill pipe rubbers.
- 11/9 Reran J.C.T. as before. Set packers at 8958' with tailpipe to 8976'. Used 970' water cushion. Opened valve at 2:25 PM. Had faint blow for 20 minutes, light heading blow for duration of one hour test. Recovered 270' net rise gassy, oily drilling fluid. Charts confirmed results of test. Segregation at S₈ O.K. Spotted 30 barrels of oil on bottom.
- 11/10 Using Lane-Wells gun perforator shot four 1/2" holes per foot in the intervals 9155'-9005'; 8980'-8942'. Scraped casing through perforated interval.
- 11/11 Landed 2-7/8" E.U. tubing at 8918'. Connected up Christmas tree. Displaced mud with oil.
- 11/12 Swabbed 125 barrels of circulating oil.
- 11/13 Swabbed 90 barrels of circulating oil. Fluid level 2500'.
- 11/14 Swabbed total of 473 barrels to date including 47 barrels formation oil. No pressure. Well shows no indication of flowing. Average cut of fluid, 15% (approximately 3% mud, 12% water).
- 11/15 Swabbed 79 barrels formation oil, Well would not flow. Contractor released 8:00 AM 11-15-54. Tearing out.
- 11/16 Contractor tearing out.
- 11/17 Laying gas injection line.
- 11/18 Installed gas injection line. Opened well on 2 1/4" bean. Flowed 3 hours, 58 gross, then died.
- 11/19 Shut in.
- 11/20 In 21 hours well flowed 86 barrels gross, 85 net, 0.4% mud, 0.4% water, 20.6 gravity, 22/64" bean, 300# tubing pressure, 700# casing pressure, 3 1/4 MEF gas.
- 11/21 In 6 hours well flowed by heads 8 barrels gross. Well died at 12:00 Noon. Shut in at 5:00 PM.
- 11/22 Shut in. Working on gas injection line.
- 11/23 Put well on injection gas at 5:00 PM. In 13 hours flowed 119 barrels net formation oil, 0.5% mud, 20.6 gravity, 22/64" bean, 300# tubing pressure, 1250# casing pressure. Taken off injection gas at 6:00 A.M.

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1954

11/24 Flowed 19 barrels gross, then died. Shut well in. Opened well and flowed 8 barrels gross, Shut well in. Tubing pressure, 300#; casing pressure, 1500#.

11/25 Shut in. Tubing pressure 400#, casing pressure, 1500#.

11/26 Well flowed 50 barrels gross, 20/64" bean.

11/27 Moved in hoist. Swabbed 100 barrels oil. Began flowing 12:15 AM.

11/28 Well flowed 55 barrels gross, then died at 11:00 PM.

11/29 Swabbed 47 barrels oil, 6.2% mud, 19.5 gravity. Well would not flow. Shut in.

11/30 Swabbed 101 barrels, 2.5% mud, 20.6 gravity. Well flowed 37 barrels, then died during night. Shut well in at 6:00 AM.

12/1 Killed well with 120 barrels oil. Pulled tubing.

12/2 Ran 2-7/8" tubing equipped with six flow valves at 2670', 4865', 6490', 7645', 8430', 8905' and set on packer at 8908'.

12/3 Well flowed on gas lift 75 barrels gross, all circulating oil. 0-200# tubing pressure; 1000# casing pressure.

12/4 Well flowed on gas lift 183 barrels gross, of which 138 barrels is net formation oil, 0.2% cut, 20/64" bean, 21.7 gravity, 300# tubing pressure, 1000# casing pressure, 263 MCF injected gas, 66 MCF net.

12/5 Well flowed on gas lift 78 barrels gross, 76 net, 3.0% cut, 20/64" bean, 19.0 gravity, 320# tubing pressure, 900# casing pressure, 75 MCF injected gas, 85 MCF net.

12/6 Well flowed on gas lift 47 barrels gross, 46 net, 2.0% cut, 22.2 gravity, 20/64" bean, 0# tubing pressure, 900# casing pressure, 7 MCF injected gas, 75 MCF net. Gas injection line freezing. Well died 5:00 PM.

12/7 Well flowed on gas lift 113 barrels net, 0.1% cut, 20/64" bean, 19.4 gravity, 200# tubing pressure, 900# casing pressure, 177 MCF injected gas, 76 MCF net. Well dead for 8-1/2 hours from 6:00 AM to 2:30 PM.

12/8 Well flowed on gas lift 113 barrels gross, 111 net, 2.0% cut, 21.2 gravity, 300# tubing pressure, 900# casing pressure, 181 MCF injected, 91 MCF net.

	Gross	Net	Cut	Gravity	Bean	Tubing Pressure	Casing Pressure	MCF Inj.	MCF Net
12/9	119	119	0.4%	19.0	20/64	300#	900#	90	85
12/10	135	134	1.0%	19.0	20/64	275#	900#	434	42
12/11	86	85	1.6%	19.0	20/64	400#	900#	303	144
Took one compressor off injection system.									
12/12	83	82	1.0%	19.1	20/64	300#	900#	341	105
12/13	80	79	1.0%	19.1	20/64	300#	900#	140	120
12/14	58	57	1.0%	19.1	20/64	300#	900#	90	130
12/15	97	96	1.0%	19.1	20/64	300#	900#	253	93
12/16	97	92	5.0%	21.0	20/64	300#	800#	162	100
12/17	95	90	5.0%	21.0	20/64	300#	800#	250	65
12/18	108	103	5.0%	21.0	20/64	300#	800#	280	94
12/19	91	86	5.0%	21.0	20/64	300#	800#	257	185
12/20	83	79	5.0%	21.0	20/64	300#	800#	336	92
12/21	83	79	5.0%	19.5	20/64	300#	800#	287	136
12/22	80	76	5.0%	19.5	20/64	300#	800#	181	119
12/23	77	73	5.0%	19.5	20/64	300#	800#	128	92
12/24	72	68	5.0%	19.7	20/64	300#	800#	80	138
12/25	58	55	5.0%	19.7	20/64	300#	800#	189	106
12/26	77	73	5.0%	19.7	20/64	300#	800#	82	43
12/27	54	51	5.0%	19.7	20/64	200#	800#	221	90
12/28	89	84	5.0%	19.7	20/64	100#	800#	169	88
12/29	83	79	5.0%	19.7	20/64	50#	900#	269	100

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MAR 16 1955

OPERATOR: TIDE WATER ASSOCIATED OIL COMPANY

WELL NO.: Porter-Sesnon #42, Aliso Canyon Field

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<u>1954</u>	<u>Gross</u>	<u>Net</u>	<u>Cut</u>	<u>Gravity</u>	<u>Bean</u>	<u>Tubing Pressure</u>	<u>Casing Pressure</u>	<u>MCF Inj.</u>	<u>MCF Net</u>
12/30-31	72	68	5.0%	19.7	20/64	150#	800#	45	59
12/31	41	39	5.0%	19.7	20/64	150#	800#	-	92
Shut in for pressure bomb run.									
<u>1955</u>									
1/1-4	Shut in.								
1/5	119	113	5.0%	19.7	20/64	50#	900#	55	63
1/6	89	85	5.0%	19.7	20/64	300#	900#	84	130
1/7	86	82	5.0%	19.7	20/64	350#	900#	322	94
1/8	92	87	5.0%	19.7	20/64	350#	900#	254	53
1/9	35	33	5.0%	19.7	20/64	200#	900#	324	58
1/10	85	81	5.0%	19.7	20/64	300#	900#	278	42
1/11	69	65	5.0%	19.7	20/64	200#	900#	187	-
1/12	74	70	5.0%	19.7	20/64	200#	900#		

CASING RECORD

11-3/4" 42 & 47# G 1567'
 7" 23, 26, 29# G 9165'
 WSO 8801'
 Segregation 9001'; 8939'
 4 H/F 9155'-9005'; 8980'-8942'

TUBING RECORD

2-7/8" set on pkr. at 8908' w/flow valves at 2670', 4865',
 6490', 7645', 8430', 8905'

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

Special Report on Operations Witnessed

No. T 154-1165

Mr. Thomas E Weaver
Box 1
LOS NIEMOS California
Agent for TIDE WATER ASSOCIATED OIL CO

Los Angeles 15 Calif.
October 27 19 54

DEAR SIR:

Operations at your well No. "Porter-Session" 42 Sec. 26, T. 3 N, R. 16 W, S B B. & M.,
Aliso Canyon Field, in Los Angeles County, were witnessed
on October 11, 19 54. Mr. W. Polgiase, Engineer, representative of the supervisor was present
from 4:30 to 5:00 p.m.. There were also present J. G. Johnson, Drilling Superintendent;
Present condition of well: 11-3/4" cas. 1567'. T.D. 6190'. Junk (none)

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

Mr. Johnson reported:

1. A 10-5/8" rotary hole was drilled from the surface to 1567', enlarged to 15', surface to 1567'.
2. On September 26, 1954, 11-3/4", 47 lb. casing was cemented at 1567' with 600 sacks of cement.
3. Cement did not return to the surface.
4. On September 26, 1954, 100 sacks of cement was pumped into the hole through 1" tubing hanging at 120' in the annulus, filling to the surface.

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

1. A Shaffer double cellar control gate for closing in the well with the drill pipe out of the hole and for closing around the 4 1/2" drill pipe.
2. A Hydril blowout preventer for closing around the 4 1/2" drill pipe.
3. The controls for the above equipment were located outside the derrick.
4. A 2" mud fill-up line with a 2" high pressure stopcock into the 11-3/4" casing below the above equipment.
5. A high pressure stopcock on the Kelly.

The inspection was completed at 5:00 p.m.

THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

WF:OK

cc F W Hartel
R S Carl
J R Boyer (2)

E. H. MUSSER
State Oil and Gas Supervisor

By B. H. Halling Deputy

DIVISION OF OIL AND GAS

Report on Test of Water Shut-off
(FORMATION TESTER)No. T. 154-1258

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

Los Angeles 15 Calif.
December 8 1954

DEAR SIR:

Your well No. "Porter-Sesnon" 42, 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 6, 1954. Mr. V. F. Gaede, Engineer, designated by the supervisor was present
 from 8:00 to 8:45 p.m. as prescribed by law; there were also present A. Hanson, Engineer;
R. Franz, Drilling Foreman.

Shut-off data: 7 in. 23, 26, 29 lb. casing was re-cemented through perforations at 8804 ft.
 on November 4, 1954 in 10-5/8 in. hole with 65 ~~XXX~~ sacks of cement
~~XXX~~ calculated to fill behind casing to XXX ft. below surface.

Casing record of well: 11-3/4" cem. 1567'; 7" cem. 9165', c.p. 9002', 8804', four 1/2" holes
8940', four 1/2" holes 8801', W.S.O.

Present depth 9165 ft. cmt. bridge 9165 ft. to 9155 ft. Cleaned out cmt. 9116 ft. to 9155 ft. for test.
 A pressure of 1000 lb. was applied to the inside of casing for 10 min. without loss after cleaning out to 9155 ft.
 A Johnston gun and tester was run into the hole on 3 1/2 in. drill pipe ~~subing~~
 with 1000 ft. of water ~~and~~ cushion, and packer ~~xx~~ set at 8766 ft. with tailpiece to 8784 ft.
 Tester valve, with 1/2 in. bean, was opened at 2:32 p.m. steady and remained
 open for 1 hr. and ~~xxx~~ min. During this interval there was a light/blow for 3 min., then
no blow thereafter.

Mr. Hanson reported:

1. A 10-5/8" rotary hole was drilled from 1567' to 9165'.
2. On October 30, 1954, 7", 23, 26, 29 lb. casing was cemented at 9165' with 600 sacks of cement.
3. The cement in back of the 7" casing reached the calculated drilled depth of 7215'.
4. The 7" casing was shot-perforated with four 1/2" holes at 9002' for company test of shut-off and tested dry.
5. On November 3, 1954, the 7" casing was recemented through perforations at 9002' with 65 sacks of cement, all of which was squeezed away under a final pressure of 5000 lb.
6. The 7" casing was shot-perforated with four 1/2" holes at 8940' for company test of shut-off and tested dry.
7. The 7" casing was shot-perforated with four 1/2" holes at 8804' and tested wet.
8. On November 4, 1954, the 7" casing was recemented through perforations at 8804' with 65 sacks of cement, all of which was squeezed away under a final pressure of 5500 lb.
9. A Johnston gun and tester was run as noted above.
10. The 7" casing was shot-perforated with four 1/2" holes at 8801'.

THE ENGINEER NOTED: 1. When the drill pipe was removed, a net recovery of 20' 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 1 hr.

THE 7" SHUT-OFF AT 8801' IS APPROVED.

VFG:OH

cc F W Hertel
 R S Curl
 J R Boyver (2)

E H MUSSER
 R. D. BUSH, State Oil and Gas Supervisor

By D. N. Walling, Deputy

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS
REPORT ON PROPOSED OPERATIONS

No. P 154-1076

Mr. Thomas E Weaver
Box 1
Los Nietos California
Agent for TIDE WATER ASSOCIATED OIL CO

Los Angeles 15 California
September 14 1954

DEAR SIR:

Your proposal to drill Well No. "Porter-Sesnon" 42,
Section 28, T. 3 N, R. 16 W, S. 5 E B. & M., Aliso Canyon Field, Los Angeles County,
dated Sept 9 1954, received Sept 10 1954, 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

"Location of Well: 2254.74 feet South and 4579.80 feet West from Station #84
Elevation of mat above sea level 2647.51 feet.
All depth measurements taken from top of Derrick Floor which is 9 feet above mat."

THE PROPOSAL

"PROPOSED CASING PROGRAM"

Size of Casing	Weight	Grade and Type	Top	Bottom	Cementing Depths
Inches <u>4 1/4"</u>	<u>42,477</u>	<u>N-40, J-55</u>	<u>0'</u>	<u>2000'</u>	<u>2000' to surface</u>
<u>7"</u>	<u>26,237</u>	<u>N-80, J-55</u>	<u>0'</u>	<u>9150'</u>	<u>9150'</u>

7" Casing will be gun perforated for production.

Intended zone or zones of completion: Sesnon Zone

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

DECISION

THE PROPOSAL IS APPROVED PROVIDED THAT

1. 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. Adequate blowout prevention equipment shall be installed and maintained in operating condition at all times.
3. THIS DIVISION SHALL BE NOTIFIED AS FOLLOWS
 - (a) To inspect the installed blowout prevention equipment before drilling below 3000'.
 - (b) To witness a test of the effectiveness of the 7" shut-off.

FM:my

cc - Messrs F W Hertel
R S Carl
J R Boyer (2)

E. H. MUSSER
State Oil and Gas Supervisor

SEP 10 1954

LOS ANGELES, CALIFORNIA

DIVISION OF OIL AND GAS

Notice of Intention to Drill New Well

This notice and surety bond must be filed before drilling begins

Los Nietos

September 9

54

Calif. 19

037-00753

14

DIVISION OF OIL AND GAS

In compliance with Section 3203, Division III, Article 4, Public Resources Code, notice is hereby given that it is

our intention to commence the work of drilling well No. ~~Porter-Session #12~~ 28 3 N 14

R. 15 W S.B. Also Canyon, Sec. Los Angeles, T. County.

Legal description of lease ~~Standard-Session Leases~~ Line well between Tide Water Associated Porter and

Location of Well: 2284.76 feet South ~~property~~ and 4879.80 feet West ~~property~~ (Direction) at right angles to said line from the ~~from Station #14~~ corner of section.

Elevation of ~~ground~~ ^{* mat} above sea level 2647.51 feet ~~datum~~

All depth measurements taken from top of ~~Derrick Floor~~ which is 9 feet above ~~ground~~ ^{mat}

PROPOSED CASING PROGRAM

SIZE OF CASING INCHES A.P.I.	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS
3 1/2	12.177	N-40, S-55	0'	2000'	2000' to surface
7"	26.228	N-80, S-55	0'	9150'	9150'
7" casing will be gun perforated for production.					

Section Notes

Intended zone or zones of completion:

MAP	MAP BOOK	CARDS	BOND	FORMS	
				114	121
18A NS	NS	es		es	es

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

TIDE WATER ASSOCIATED OIL COMPANY

Address: Offord 91051

Telephone Number:

By: J. E. (Name of Operator) Agent

* added request Shuter-Kastline 9/13/54

STATE OF CALIFORNIA
SAN FRANCISCO 11

SEP 14 1954

Date: September 14 1954

To: R W WALLING
Los Angeles

Subject:

From: Dept. of Natural Resources—Division of Oil and Gas
201 California Street

Replying to your letter of September 13 concerning Notice of Intention to Drill well No. "Porter-Sesnon" 42, Sec. 28, T. 3 N., R. 16 W., S. B. B. & M., Aliso Canyon field, by Tide Water Associated Oil Company, you should approve this proposal. For the purpose of the joint operation, the outer boundary referred to in the Spacing Laws will be considered the outer boundary of the two properties combined.

E. H. Musser

State Oil and Gas Supervisor

*Will Record
e.s. Spacing*

*Pat
VSK
C. J. ...*

Los Angeles

Mr E E Myster

September 13 1954

On September 10 we received a Notice of Intention to Drill well No. "Porter-Seannon" 42, Sec. 28, T. 3 N., R. 16 W., S. B. D. & M., Aliso Canyon field, (a line well between Tide Water Associated Porter and Standard-Seannon leases) from Tide Water Associated Oil Company. Location of the well is given as 2284.7 feet south and 4879.80 feet west from station #84, as shown on map No. 18A.

Under date of July 20, 1948, approval was given by this office to the drilling of well No. "T.W.A.-Standard, Porter-Seannon" 20, Sec. 28, in Report No. P 1-45303. This well is also a "line" location.

The question raised is the legality of such a location, on or near a line separating two leases, under the spacing act. Since Tide Water Associated Oil Company is the operator of both leases, can approval be given to the drilling of such line wells on the basis of it being, in effect, a unit operation?

I am informed that there is a recorded instrument, executed by all interested parties, agreeing to the drilling of line wells for the purpose of economy in development and providing for joint participation of the parties concerned.


Deputy Supervisor

RJK:ee