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NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Form O-165
Revised 1-1-65

1a. Indicate Type of Lease
State ☒ Fee ☐
1b. State Oil & Gas Lease No.
K-4549 & B-2388

1a. TYPE OF WELL

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

1b. TYPE OF COMPLETION

NEW ☒ WORKS OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

2. Name of Operator

Penroc Oil Corporation

3. Address of Operator

P. O. Drawer 831, Midland, Texas 79701

4. Location of Well

UNIT LETTER H LOCATED 2100 FEET FROM THE N LINE AND 700 FEET FROM

TWP. E LINE OF SEC. 20 TWP. 17S RGE. 35E NMMPM

13. Date Spudded 11/17/72 15. Date T.D. Reached 12/14/72 17. Date Compl. (Ready to Prod.) 12/26/72 18. Elevations (DF, RKB, RT, GR, etc.) 3967' Gr 19. Elev. Ground Surface 3968'

20. Total Depth 9000' 21. Plug Back T.D. 8990' 22. If Multiple Compl., How Many - 23. Intervals Drilled by Surf. - 9000' Rotary Tools None Cable Tools

24. Production Interval(s), or from completion - Top, Bottom, Name

8765 - 8836 Abo

No

25. Type Logging and Other Logs Run

Welex Gamma Acoustic Velocity & Welex Guard Log

27. Was Well Logged

Yes

26. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
12-3/4"	43#	305'	17"	325 sxs, circulated	None
8-5/8"	24#, 28#, 32#	3100'	11"	250 sxs, top @ 2480'	None
5-1/2"	15.5#, 17#	8997'	7-3/4"	250 sxs, top @ 7400'	None

28. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8"	8647'	8647'

31. Perforation Record (Interval, size and number)

two 1/2" jet shots per foot at the following depths:
8765, 67, 76, 78, 79, 85, 91, 93, 8801, 03, 04, 05, 09,
12, 14, 17, 19, 22, 25, 27, 30, 32, 33, 34, 35, 36'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
8765- 8836'	12,500 gals. NE 15% acid and 10,000 gals. gelled KCL wtr.

33. PRODUCTION

Date First Production <u>12/24/72</u>		Production Method (Flowing, gas lift, pumping - Size and type pump) <u>Flowing</u>				Well Status (Prod. or Shut-in) <u>Shut in</u>	
Date of Test <u>12/26/72</u>	Hours Tested <u>12</u>	Choke Size <u>28/64"</u>	Prod'n. For Test Period <u>→</u>	Oil - Bbl. <u>190</u>	Gas - MCF <u>270.75</u>	Water - Bbl. <u>None</u>	Gas - Oil Ratio <u>1425 - 1</u>
Flow Tubing Press. <u>150#</u>	Casing Pressure <u>Packer</u>	Calculated 24-Hour Rate <u>→</u>	Oil - Bbl. <u>380</u>	Gas - MCF <u>541.5</u>	Water - Bbl. <u>None</u>	Oil Gravity - API (Spec.) <u>36</u>	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)

Vented for test

Test Witnessed By

35. List of Attachments

Copy of Gamma Acoustic log, Guard log and Deviation tests.

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED

Stirling J. Dill

TITLE

Vice Pres. of Exploration

DATE

12/26/72

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 29 days after the completion of any reentry or completion well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, the vertical depth shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. This form is to be filed in quadruplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Ashy	1750	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt		T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
D. Salt	2901	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates	3039	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	3326	T. Devonian	T. Menefee	T. Madison
T. Queen	3932	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	4286	T. Montoya	T. Moncos	T. McCracken
T. San Andres	4594	T. Simpson	T. Gallup	T. Ignacio Quartz
T. Glorieta	6134	T. McKee	Dase Greenhorn	T. Granite
T. Paddock		T. Ellensburg	T. Dakota	T.
T. Blinery		T. Gr. Wash	T. Morrison	T.
T. Tubb	7605	T. Granite	T. Todilto	T.
T. Drinkard		T. Delaware Sand	T. Entrada	T.
T. Abo	8310	T. Bone Springs	T. Wingate	T.
T. Wolfcamp		T.	T. Chinle	T.
T. Penn.		T.	T. Permian	T.
T. Cisco (Bough C)		T.	T. Penn. "A"	T.

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0'	1750'	1750'	Surface to top of Rustler anhydrite. Primarily red shales and sands.				
1750'	3039'	1289'	Contains Rustler anhydrite, Salado or salt section and Tansill anhy.				
3039'	3326'	287'	Yates sand and anhydrite interval.				
3326'	3932'	606'	Seven Rivers section consisting mostly of anhydrite.				
3932'	4286'	354'	Queen sand and anhydrite lithology.				
4286'	4594'	308'	Consists of Grayburg rocks primarily anhydrite w/dolomite stringers appearing in lower half of unit.				
4594'	6134'	1540'	San Andres unit composed of porous dolomites w/few shale stringers.				
6134'	7605'	1471'	Primarily fine, dense dolomites w/interbedded fine grained sands in upper 150' being Glorieta sand.				
7605'	8310'	705'	Tubb Sand section in upper portion with lower part being dense dolomite.				
8310'	9000'	690'	Abo section characterized by dolomite w/thin green and red shale stringers. Porosity of pay section topped at 8762'. Total Depth still in Abo.				
DST #1, 4570' - 4745' (San Andres). 15 min open preflow. Open w/weak blow air remaining same throughout preflow. Initial shut in 60 min. Second open period, 1 hour 10 min. little or no blow. Final shut in 1-1/2 hours. Recovered 410' drilling fluid and 40' mud and cuttings. Tool was plugged during second flow period. 15 min IFP 137 - 160#, 60 min ISIP 1305#, 1-1/2 hr. FSIP 1259#, No second flow pressures, Hydrostatic in 2226#, hydrostatic out 2180#.							