

**UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

MOCC COPY

SUBMIT IN DUPLICATE

(See instructions on reverse side)

copy to SK
Form approved
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:				OIL WELL ☐	GAS WELL ☐	DRY ☒	Other _____
b. TYPE OF COMPLETION:				NEW WELL ☐	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☐
				DIFF. RESVR. ☐	Other _____		
2. NAME OF OPERATOR Penroc Oil Corporation							
3. ADDRESS OF OPERATOR P. O. Drawer 831, Midland, Texas 79702							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1980' FSL & 1980' FWL At top prod. interval reported below At total depth							
14. PERMIT NO.				DATE ISSUED			
15. DATE SPUDDED				16. DATE T.D. REACHED			
8/22/76				12/26/76			
17. DATE COMPL. (Ready to prod.)				18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*			
RA				2995.5 GR			
20. TOTAL DEPTH, MD & TVD		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY	
16,326'		15,085				0 - 16,326'	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*							
25. WAS DIRECTIONAL SURVEY MADE No							
26. TYPE ELECTRIC AND OTHER LOGS RUN Compensated Acoustic (0-11,330); Forxo Guard (3318-7301); Radio Activity (3300-7500); Compensated Acoustic (11,100-16,026); Dual Ind. Guard, Radio Act. (13,500-16350); Micro-Seismic (11,165-14,500)							
27. WAS WELL CORED No							
28. (11,165-14,500) CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED	
13 3/8"	68,61,54#	3300'	17 1/2"	2435 SX		None	
9 5/8"	47, 53.5#	11325'	12 1/4"	975 SX		6482'	
29. LINER RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD		
7 5/8"	11,158	16,015	950 SX		SIZE		
Squeezed top with				300 SX	DEPT. SET (MD)		
31. PERFORATION RECORD (Interval, size and number)							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND TYPE OF FLUID USED			
33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)							
TEST WITNESSED BY							
35. LIST OF ATTACHMENTS							
1 copy each DST (3), 1 copy each of logs listed above. 2 copies Deviation Survey: 0 - 16,326' (Noble DRlg.) Re-entry by Moranco to 8090'.							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED		TITLE			DATE		
		President			10/31/77		

*(See Instructions and Spaces for Additional Data on Reverse Side)

General: This form is designed for submitting a consolidated correct and complete report, and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be sent to you with the report form, the local Federal agency, or the State agency, or will be contained in separate reports for separate completions. You may also consult the separate reports for (a) forms to be submitted (e.g., maps, photographs, etc.), (b) instructions (e.g., how to fill out the form, etc.), and (c) other pertinent information (e.g., how to obtain the form, etc.).

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formations and/or State office. See instructions on items 22 and 24, and 36, below regarding separate attachments. Attachments should be described in accordance with Federal requirements. Consult local State Department of Natural Resources for more information.

(tion and pressure tests, and directional surveys), should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for aspect measurements:
Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in Item 22, and in Item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in Item 33. Submit a separate report (page) on this form, adequately identified, showing the additional data pertinent to such interval.

Item 29: Submit a separate completion report on this form for each interval to be separately produced. (See Instruction for Items 22 and 24 above.)

Item 35. *Модные и вежательные комплименты* (10 мин)

37. SUMMARY OF POROUS ZONES:				38. GEOLOGIC MARKERS	
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				TOP	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH
Delaware Sand	3448	3470	Fne grn slty gry sd. Prob. gas.	Delaware Lime	3405'
Delaware Sand	4326	4348	Fne grn slty gry sd. Prob. gas.	Delaware Sand	3432
Delaware Sand	5606	5641	Fne grn slty gry sd. Prob. gas.	Bone Spring	7319
Bone Spring	8260	8286	Lt gry-tan brn VF grn calc sd. Poss. gas.	1st B.S. Sand	8290
Atoka	13992	14012	Lt gry clr cse grn w/clusters sd.	2nd B.S. Sand	8874
			Gas & water.	3rd B.S. Sand	10087
Morrow	14196	14205	Lt gry clr cse grn w/limy matrix sd.	Wolfcamp Lime	11900
				Strawn	13454
				Atoka Lime	13550
	14246	14266	Gas & water.	Morrow Shale	14134
Siluro-Dev.	16300	16326	Wh vfg-crse xln dolo.	Miss. Lime	16040
			Water w/sho gas	Woodford Shale	16180
				Siluro-Dev.	16295

NOBLE DRILLING CORPORATION
P. O. Drawer 550
Midland, Texas 79702

DEVIATION SURVEY for the

R E C E I V E D

NOV 1 1977

O. C. C.
ARTESIA, OFFICE

PENROC OIL CORPORATION
Ross Draw Unit #5 ✓
1980' FSL & 1980' FWL
Section 27, T26S, R30E
Eddy County, New Mexico

<u>DEGREE</u>	<u>DEPTH</u>
3/4°	332'
1	783
1	1,290
1 1/4	1,788
3/4	2,318
1	2,937
3/4	3,290
1	3,730
1/2	4,265
1/2	4,680
3/4	5,163
1/2	5,660
3/4	6,120
3/4	6,490
3/4	7,040
1/2	7,680

<u>DEGREE</u>	<u>DEPTH</u>
3/4°	8,180'
3/4	8,675
1	9,140
2 3/4	9,700
2 1/2	9,800
2 3/4	9,930
2	10,101
2	10,325
2 1/2	10,786
2 1/4	11,368
1 1/4	12,140
1 3/4	12,800
1	13,443
1 1/4	13,860
2 1/2	14,600
5 1/2	15,960

STATE OF TEXAS

COUNTY OF MIDLAND

NOBLE DRILLING CORPORATION

Earl Frederickson
Earl Frederickson, Division Manager

The foregoing was acknowledged before me this 13th day of September, 1977 by Earl Frederickson.

My Commission Expires:

Ann Hammond
Notary Public

10-31-78

Date 11-2-76 Number 760528
 Kind of Job OPEN HOLE Halliburton District ANTHONY
 Tester MR. PITTMAN Witness MR. VENTER?
 Drilling Contractor NOBLE DRILLING COMPANY RIG GD-2 BC

EQUIPMENT & HOLE DATA
 Formation Tested Wolfcamp
 Elevation 2995' GL
 Net Productive Interval 75'
 All Depths Measured From Kelly Drive Bushing (24")
 Total Depth 12253'
 Main Hole/Casing Size 8 1/2"
 Drill Collar Length 340' I.D. 2.25"
 Drill Pipe Length 11483' I.D. 3.826"
 Packer Depth(s) 11844' 11850'
 Depth Tester Valve 11826'

TYPE AMOUNT
 Addition FRESH WATER 1000' Ft. Depth Back Pres. Valve Surface Choke Floor Manifold Bottom Pkgs. .75"
 Recovered Feet of
 Recovered Feet of
 Recovered Feet of
 Recovered Feet of
 Recovered Feet of
 Remarks SEE PRODUCTION TEST DATA SHEET....MISRUN....

* CHARTS INDICATE PACKER SEAT FAILED AFTER TOOL CLOSED FOR APPROXIMATELY
 20 MINUTES INTO INITIAL CLOSED IN PRESSURE PERIOD.

TEMPERATURE	Gauge No. 108		Gauge No. 106		Gauge No.		TIME	
	Depth:	11829'	Ft.	Depth:	12253'	Ft.		
	24 Hour Clock			48 Hour Clock			Hour Clock	
Blanked Off	NO		Blanked Off	YES		Blanked Off		
	Pressure		Pressure		Pressure		Tool	A.M.
	Field	Office	Field	Office	Field	Office	Opened	1715
		8220		8382			Opened	
Flow	Initial	740		955			Elapsed	
	Final	740		955			Reported	
Closed In		1070		1306			Minutes	
							90 *	
Flow	Initial							
	Final							
Closed In								
Flow	Initial							
	Final							
Closed In								
Final Hydrostatic		8220		8382				

FORMATION TEST DATA

Sealing ports _____ Bottom choke _____ .75" _____ Surf. temp _____ °F Ticker No. _____ 780520
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ °F
 1. LIST TYPE AND SIZE OF GAS MEASURING DEVICE USED _____ 1/4" x 60 PSI Gauge © _____

3. GATE TYPE AND SIZE OF GAS MEASURING DEVICE USED. $1/4" \times 60$ PSI Gauge

[illegible]

PRODUCTION TEST DATE

24-00000-24-00000

200

Depth Tester Valve 16241

Index

Date 6-11-77 Page Number 138632

_____ P.S.I.G. of Surface

recovery: Cu, Fr, Gas

CS, CH

cc. Water

C. AUG

- - - Liquid cc.

6-87

A.P. @

E

Gal./Oil Ratio cu. ft./bbl

RESISTIVITY

CHLORIDE
CONTENT

© 1997

Pressure _____ @ _____ °F. _____ p26

100-100000-100000	100000	100000	100000
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Doc #1 Sample @ 7.112.00022m

0.5 vis 37 sec

TYPE	AMOUNT	Depth	Foot
1	100	100	100
2	200	200	200
3	300	300	300
4	400	400	400
5	500	500	500
6	600	600	600
7	700	700	700
8	800	800	800
9	900	900	900
10	1000	1000	1000
11	1100	1100	1100
12	1200	1200	1200
13	1300	1300	1300
14	1400	1400	1400
15	1500	1500	1500
16	1600	1600	1600
17	1700	1700	1700
18	1800	1800	1800
19	1900	1900	1900
20	2000	2000	2000
21	2100	2100	2100
22	2200	2200	2200
23	2300	2300	2300
24	2400	2400	2400
25	2500	2500	2500
26	2600	2600	2600
27	2700	2700	2700
28	2800	2800	2800
29	2900	2900	2900
30	3000	3000	3000
31	3100	3100	3100
32	3200	3200	3200
33	3300	3300	3300
34	3400	3400	3400
35	3500	3500	3500
36	3600	3600	3600
37	3700	3700	3700
38	3800	3800	3800
39	3900	3900	3900
40	4000	4000	4000
41	4100	4100	4100
42	4200	4200	4200
43	4300	4300	4300
44	4400	4400	4400
45	4500	4500	4500
46	4600	4600	4600
47	4700	4700	4700
48	4800	4800	4800
49	4900	4900	4900
50	5000	5000	5000
51	5100	5100	5100
52	5200	5200	5200
53	5300	5300	5300
54	5400	5400	5400
55	5500	5500	5500
56	5600	5600	5600
57	5700	5700	5700
58	5800	5800	5800
59	5900	5900	5900
60	6000	6000	6000
61	6100	6100	6100
62	6200	6200	6200
63	6300	6300	6300
64	6400	6400	6400
65	6500	6500	6500
66	6600	6600	6600
67	6700	6700	6700
68	6800	6800	6800
69	6900	6900	6900
70	7000	7000	7000
71	7100	7100	7100
72	7200	7200	7200
73	7300	7300	7300
74	7400	7400	7400
75	7500	7500	7500
76	7600	7600	7600
77	7700	7700	7700
78	7800	7800	7800
79	7900	7900	7900
80	8000	8000	8000
81	8100	8100	8100
82	8200	8200	8200
83	8300	8300	8300
84	8400	8400	8400
85	8500	8500	8500
86	8600	8600	8600
87	8700	8700	8700
88	8800	8800	8800
89	8900	8900	8900
90	9000	9000	9000
91	9100	9100	

Ft. Pres. Vol.

Recovered 4900 Feet of drilling fluid, heavily gas cut.

[illegible]

Year	Number of	Feet of
1900	1,000	100
1901	1,200	120
1902	1,400	140
1903	1,600	160
1904	1,800	180
1905	2,000	200
1906	2,200	220
1907	2,400	240
1908	2,600	260
1909	2,800	280
1910	3,000	300
1911	3,200	320
1912	3,400	340
1913	3,600	360
1914	3,800	380
1915	4,000	400
1916	4,200	420
1917	4,400	440
1918	4,600	460
1919	4,800	480
1920	5,000	500
1921	5,200	520
1922	5,400	540
1923	5,600	560
1924	5,800	580
1925	6,000	600
1926	6,200	620
1927	6,400	640
1928	6,600	660
1929	6,800	680
1930	7,000	700
1931	7,200	720
1932	7,400	740
1933	7,600	760
1934	7,800	780
1935	8,000	800
1936	8,200	820
1937	8,400	840
1938	8,600	860
1939	8,800	880
1940	9,000	900
1941	9,200	920
1942	9,400	940
1943	9,600	960
1944	9,800	980
1945	10,000	1,000
1946	10,200	1,020
1947	10,400	1,040
1948	10,600	1,060
1949	10,800	1,080
1950	11,000	1,100
1951	11,200	1,120
1952	11,400	1,140
1953	11,600	1,160
1954	11,800	1,180
1955	12,000	1,200
1956	12,200	1,220
1957	12,400	1,240
1958	12,600	1,260
1959	12,800	1,280
1960	13,000	1,300
1961	13,200	1,320
1962	13,400	1,340
1963	13,600	1,360
1964	13,800	1,380
1965	14,000	1,400
1966	14,200	1,420
1967	14,400	1,440
1968	14,600	1,460
1969	14,800	1,480
1970	15,000	1,500
1971	15,200	1,520
1972	15,400	1,540
1973	15,600	1,560
1974	15,800	1,580
1975	16,000	1,600
1976	16,200	1,620
1977	16,400	1,640
1978	16,600	1,660
1979	16,800	1,680
1980	17,000	1,700
1981	17,200	1,720
1982	17,400	1,740
1983	17,600	1,760
1984	17,800	1,780
1985	18,000	1,800
1986	18,200	1,820
1987	18,400	1,840
1988	18,600	1,860
1989	18,800	1,880
1990	19,000	1,900
1991	19,200	1,920
1992	19,400	1,940
1993	19,600	1,960
1994	19,800	1,980
1995	20,000	2,000
1996	20,200	2,020
1997	20,400	2,040
1998	20,600	2,060
1999	20,800	2,080
2000	21,000	2,100
2001	21,200	2,120
2002	21,400	2,140
2003	21,600	2,160
2004	21,800	

... .. Feet of

Uncovered	Feet of
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
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40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
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56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

Gas to the surface in 16 minutes.

SEE PRODUCTION TEST DATA SHEET.....

TEMPERATURE		Gauge No. 1114		Gauge No. 1113		Gauge No.		TIME	
		Depth: 7590	Ft.	Depth: 7694	Ft.	Depth:	Ft.		
		24	Hour Clock	24	Hour Clock	Hour Clock		Tool	W.W.
Blanked Off No.		Blanked Off No.		Blanked Off No.		Blanked Off		Change 0900	Blank
								Opened	W.W.
								Bypass 1500	Blank
		Pressures		Pressures		Pressures		Reported	Computed
		Field	Office	Field	Office	Field	Office	Minutes	Minutes
WATER		3421	3430	3531	3421-Q				
Flow		406	537-Q	384	761-Q				
		723	702	696	693			30	28
Closing In		3671	3687	3672	3684			60	61
Flow		811	827	820	807				
		1411	1405	1379	1400			90	90
Closing In		3742	3752	3707	3757			180	181
Flow									
Closing In									
WATER		3532	3579	3556	3577				
		Q = Questionable.							

Flow rate _____ Bottom choke _____ 75" _____ Surf. temp _____ °F Ticket No. 135532
Gas gravity _____ Oil gravity _____ GOR _____
Dew. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F
INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED 1/4" X 300 PSI GAUGE.

[illegible]