

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐		5. LEASE DESIGNATION AND SERIAL NO. NM - 29233	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP EN ☐ PLUG BACK ☒ DIFF. RESVR. ☐ Other ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Neff 13	
2. NAME OF OPERATOR Pogo Producing Company		7. UNIT AGREEMENT NAME Neff 13	
3. ADDRESS OF OPERATOR P.O. Box 10340 Midland, TX		9. WELL NO. 1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1980' FSL & 1980' FEL At top prod. interval reported below At total depth		10. FIELD AND POOL, OR WILDCAT Wildcat	
14. PERMIT NO. API 30-015-25899		11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA Sec 13, T-22-S, R-31-E	
DATE ISSUED 4-6-88		12. COUNTY OR PARISH Eddy	
15. DATE SPUDDED 4-14-88		13. STATE NM	
16. DATE T.D. REACHED 6-11-88		18. ELEVATIONS (DF, RKB, RT, GE, ETC.)* 3593.6' GR, 3622.1' KB	
17. DATE COMPL. (Ready to prod.) 9-26-88		19. ELEV. CASINGHEAD	
20. TOTAL DEPTH, MD & TVD 14,975		21. PLUG BACK T.D., MD & TVD 9490	
22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY 0-14975	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 7119 - 7158 (OA) Brushy Canyon		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Laterolog, Micro SFL, BHC- Sonic CNLD		27. WAS WELL CORRED No	
28. CASING RECORD (Report all strings set in well)			
CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
13 3/8	61	805	17 1/2
10 3/4	51,45.5,40.5	4517	12 1/4
7 5/8	29.7 26.4	11876	9 1/2
CEMENTING RECORD		AMOUNT PULLED	
670 sx Circ 152 sx		0	
1452 sx Circ 175 sx		0	
Stage 1: 686 sx		0	
Stage 2: 985 sx			
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
5	11508	13740	213
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2 7/8	7035	7035	
31. PERFORATION RECORD (Interval, size and number)			
7119-21 (6 shots) 7127-29 (6 shots) 7150, 7151 (4 shots) 7156-58 (6 shots) Total 22 holes			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
7119-7158		1500 gal 15% NEFE + 40 RCNB	
		23,327 gal + 57,000 # 20/40 sd	
33.* PRODUCTION			
DATE FIRST PRODUCTION 9/21/88		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing	
DATE OF TEST 9/27/88		WELL STATUS (Producing or shut-in) Shut-in	
HOURS TESTED 24	CHOKE SIZE 24/64"	PROD'N. FOR TEST PERIOD 232	GAS—MCF. 160
WATER—BBL. 131	GAS—OIL RATIO 690		
FLOW. TUBING PRESS. 115	CASING PRESSURE 380	CALCULATED 24-HOUR RATE 232	GAS—MCF. 160
WATER—BBL. 131	OIL GRAVITY-API (CORR.) 36.5		
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented			
TEST WITNESSED BY Bill Gill			
35. LIST OF ATTACHMENTS Inclination survey, Electric log, Form C-102, Form C-104			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED Natalie Hall		TITLE Petroleum Engineer	
DATE 10-5-88		OCT 13 1988	

*(See Instructions and Spaces for Additional Data on Reverse Side) CARLSBAD, NEW MEXICO

7. SUMMARY OF POROUS ZONES: (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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Brushy Canyon	6988	7139	Initial flow 15 min, 9=5" bubble initial shut-in 1 hour final flow 2 hrs, weak blow - 3½# final shut-in 4 hrs, FSIP 3166# Recovery: 198' oil, 697' oil cut water	Rustler	860	+2762
Brushy Canyon	8162	8414	Initial flow 15 min, 10" bubble initial shut-in 1 hr final flow 90 min, weak blow - 10 oz final shut-in 3 hrs, FSIP 2925# Recovery: 10' oil, 30' oil cut Wtr, 534' wtr	Base/Salt Del Ls Bell Canyon Cherry Canyon CC Mkr Brushy Canyon	4219 4494 4548 5412 5622 7088	-597 -872 -926 -1790 -2000 -3466
Bone Springs	9532	9642	Initial flow 15 min, 20# final flow 2 hrs, 6-8' flare, 32# final shut-in 5 hrs, FSIP 4731# Recovery: 3 B0 + 98 BBLs oil & gas cut water	Bone Spring 2nd Bone Spring Lower Bone Spring	8418 10154 10500	-4796 -6532 -6878
Bone Springs	10344	10525	Initial flow 15 min, 14 oz initial shut-in 1 hr final flow 1 hr, 10-3 3/4 oz. final shut-in 3 hrs, FSIP 345# Recovery: 115' water	3rd Bone Spring Wolfcamp Strawn	11155 11670 13100	-7533 -8048 -9478
Atoka	13380	13630	Initial flow 15 min, 20# initial shut-in 1 hr final flow 1 hr, 15-25#, 7' flare final shut-in 4 hrs, FSIP 2044# Recovery: 11514' gas cut mud w/trace oil.	Atoka Clastics Atoka Bank Mid. Atoka Ls	13295 13525 13630	-9673 -9903 -10008
Morrow	13938	13963	Initial flow 15 min, 12 oz initial shut-in 60 min. final flow 90 min, 1.5-20# final shut-in 3hrs FSIP 2023# Recovery: 3000' water blanket	Morrow Ls Morrow Clastic L. Morrow Mkr TD	13850 14300 14700 15100	-10228 -10678 -11078 -11478

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

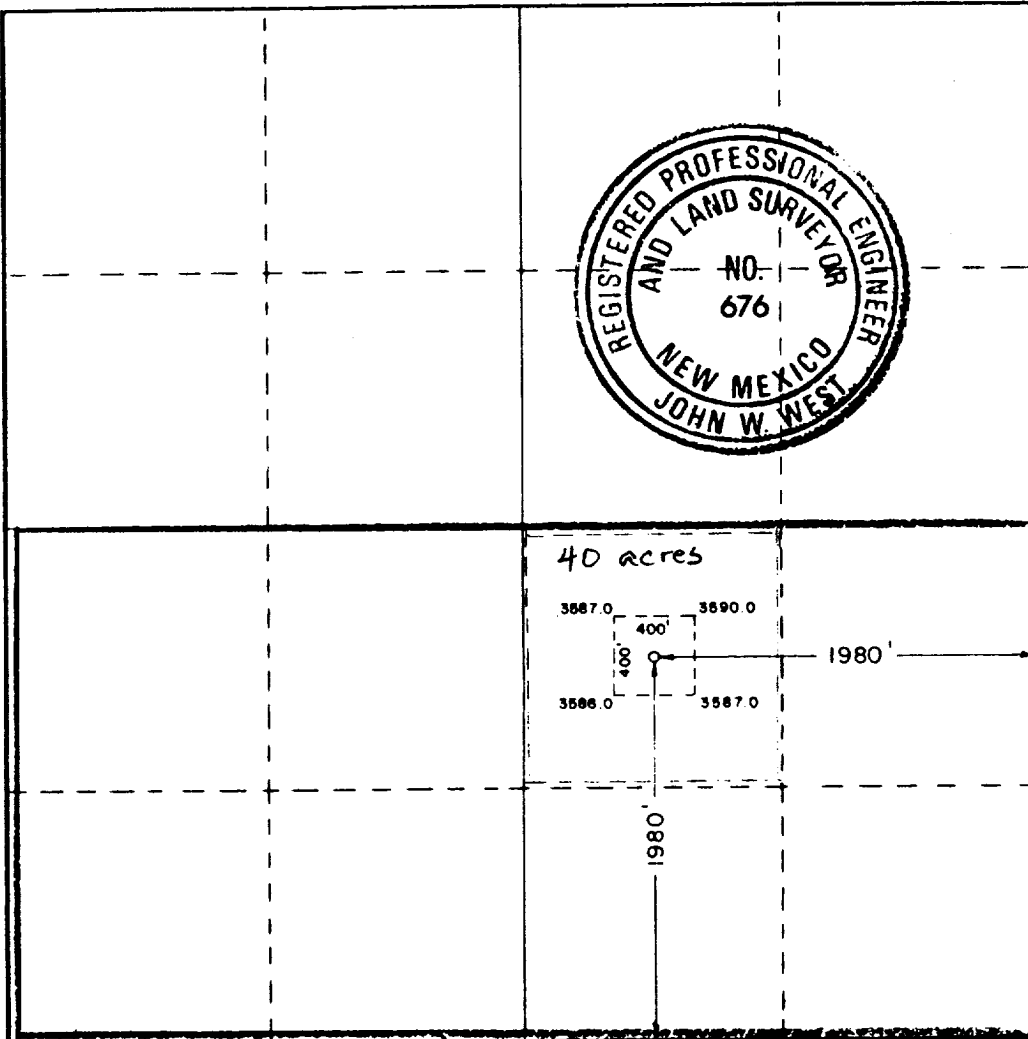
Operator Pogo Producing Company			Lease Neff 13			Well No. 1		
Unit Letter J	Section 13	Township 22 South	Range 31 East	County Eddy				
Actual Footage Location of Well: 1980 feet from the south line and 1980 feet from the east line								
Ground Level Elev. 3593.6	Producing Formation Brushy Canyon		Pool Wildcat			Dedicated Acreage: 40 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

B. J. Williams

Name
B. J. Williams

Position
Division Operations Manager

Company
Pogo Producing Company

Date
September 28, 1988

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
February 22, 1988

Registered Professional Engineer
and/or Land Surveyor

John W. West

Certificate No. JOHN W. WEST, 676
RONALD J. EIDSON, 3239

INCLINATION REPORT

OPERATOR: Pogo Producing Co.

ADDRESS: P. O. Box 10340

LEASE NAME: Neff 13

WELL#: 1

Midland, Texas 79701 **RECEIVED**

LOCATION: Eddy, New Mexico

FIELD: _____

JUL 01 1988

Measured Depth	Angle of Inc.	RECEIVED	Displacement Per 100 ft.	MIDLAND
				Accumulative Displacement
352 *	0.50	OCT 19 '88	0.87 *	3.0624
523 *	0.50	O. C. D. ARTESIA, OFFICE	0.87 *	4.5501
805 *	1.00		1.75 *	9.4851
1000 *	2.50		4.36 *	17.9871
1231 *	1.75		3.05 *	25.0326
1481 *	1.50		2.62 *	31.5826
1732 *	1.50		2.62 *	38.1588
2016 *	1.00		1.75 *	43.1288
2360 *	0.75		1.31 *	47.6352
2766 *	1.00		1.75 *	54.7402
3139 *	0.75		1.31 *	59.6265
3482 *	1.50		2.62 *	68.6131
3698 *	3.50		6.10 *	81.7891
3760 *	4.00		6.98 *	86.1167
3852 *	3.50		6.10 *	91.7287
3945 *	3.00		5.23 *	96.5926
4058 *	2.75		4.80 *	102.0166
4152 *	2.00		3.49 *	105.2972
4227 *	1.75		3.05 *	107.5847
4317 *	1.50		2.62 *	109.9427
4517 *	1.00		1.75 *	113.4427
4850 *	0.75		1.31 *	117.8050
5189 *	1.00		1.75 *	123.7375
5524 *	0.25		0.44 *	125.2115
5863 *	1.00		1.75 *	131.1440
6207 *	1.00		1.75 *	137.1640
6562 *	1.00		1.75 *	143.3765
6960 *	0.75		1.31 *	148.5903
7139 *	0.25		0.44 *	149.3779
7584 *	1.00		1.75 *	157.1654
8020 *	1.00		1.75 *	164.7954
8414 *	1.75		3.05 *	176.8124
8768 *	1.25		2.18 *	184.5296
9231 *	2.00		3.49 *	200.6883
9574 *	2.25		3.93 *	214.1682
9642 *	1.75		3.05 *	216.2422
10070 *	2.00		3.49 *	231.1794
10525 *	1.50		2.62 *	243.1004
10973 *	2.00		3.49 *	258.7356
11408 *	1.25		2.18 *	268.2186
11876 *	1.25		2.18 *	278.4210
12322 *	1.25		2.18 *	288.1438
12772 *	1.25		2.18 *	297.9538
12998 *	0.75		1.31 *	300.9144

Measured Depth	Angle of Inc.	Displacement Per 100 ft.	Accumulative Displacement
13246 *	1.25	2.18 *	306.3208
13630 *	1.25	2.18 *	314.6920
13872 *	1.00	1.75 *	318.9270
14063 *	1.00	1.75 *	322.2695
14391 *	2.00	3.49 *	333.7167
14764 *	2.50	4.36 *	349.9795
14975 *	2.25	3.93 *	358.2718

I hereby certify that the above data as set forth is true and correct to the best of my knowledge and belief.

CACTUS DRILLING COMPANY

Rebecca Edwards

TITLE: DRILLING SECRETARY

AFFIDAVIT:

Before me, the undersigned authority, appeared Rebecca Edwards known to me to be the person whose name is subscribed herebelow, who, on making deposition, under oath states that she is acting for and in behalf of the Operator of the well identified above, and that to the best of her knowledge and belief such well was not intentionally deviated from the true vertical whatsoever.

[Signature]
AFFIANT'S SIGNATURE

Sworn and subscribed to in my presence on this 30th day of June, 1988.

[Signature]
Notary Public in and for
the County of Midland,
State of Texas.

SEAL

My Commission Expires: 7-19-89