

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.

NM-25365

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal Neff

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 25, T-22-S, R-31-E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

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

Pogo Producing Company

3. ADDRESS OF OPERATOR

P.O. Box 10340 Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 660' FNL & 1980' FWL

At top prod. interval reported below 660' FNL & 1980' FWL MAY 12 1986

At total depth 660' FNL & 1980' FWL

14. PERMIT NO.

DATE ISSUED

5/22/86

15. DATE SPUDDED

5/30/85

16. DATE T.D. REACHED

8/9/85

17. DATE COMPL. (Ready to prod.)

4/19/86

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

3567.0' GR

19. ELEV. CASINGHEAD

3567.0'

20. TOTAL DEPTH, MD & TVD

15,026'

21. PLUG, BACK T.D., MD & TVD

14,965'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0-15,026'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

14,723'-14,460' Morrow

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Laterolog, Compensated Neutron-Litho Density

27. WAS WELL CORED

No

28. 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	54.5	800'	17 1/2"	200 sxs Pace + 627 sxs C1	C
10 3/4	45.5 & 40.5	4530'	12 1/4"	1660 sxs Lt + 340 sxs C1	C
7 5/8	29.7 & 26.4	11,885'	9 1/2"	835 sxs POZ H + 300 sxs C1	H

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5"	11,531'	14,998'	515 sxs C1	H	2 3/8"	14,400'	14,400'

31. PERFORATION RECORD (Interval, size and number)

14,717'-14,723' w/3 3/8" csg gun
14,515'-14,522', 14,477', 14,476',
14,472', 14,471', 14,460'-14,467'
w/1 9/16" tbg gun all perf shot 2 JSPF

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
14,717'-14,723'	2000 gal 7 1/2% MS acid
14,460'-14,522'	4000 gal 7 1/2% MS acid

33.*

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
		Flowing				Shut in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
4/29/86	4	4/64-6/64	→	0	56.4	0	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
4205-2852	500	→	0	CAOF-626	0		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented

TEST WITNESSED BY

Duke Services

35. LIST OF ATTACHMENTS

Compensated Neutron-Litho Density Log, Inclination Report, Four Point Test, Chronological pressure data

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE Petroleum Engineer

DATE 5/7/86

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion 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 issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

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.), formation 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. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

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, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacka Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CURSION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Atoka	13,580'	13,635'	Initial Flow 30 Min	Rustler	750'	+2848
			7:19 am Open tool 1/8" chk, w/weak blow	Salado	2326'	+1272
			20 Min, 1/8" chk, strong blow	Castile	3885'	- 287
			10 Min 1/8" chk, 1/2#	Delaware	4518'	- 920
			Initial shut-in: 60 Min	Bell Canyon	4589'	- 991
			Final Flow: 60 Min	Cherry Canyon	5412'	-1814
			8:51 am Open tool 1/8" chk, 0.5#	Brushy Canyon	7100'	-3502
			10 Min, 1/8" chk, 1#	Bone Springs	8403'	-4805
			20 Min, 1/8" chk, 1.5#	2nd Bone Springs	10,178'	-6580
			10 Min, 1/8" chk, 1#	3rd Bone Springs	11,335'	-7737
			20 Min, 1/8" chk, 0.5#	Wolfcamp	11,680'	-8082
			Final Shut-in: 2 hrs, open manifold	Strawn	13,188'	-9590
			no gas to surface	Atoka	13,382'	-9784
				Morrow	13,934'	-10336
				TD	15,026'	-11428

INCLINATION REPORT

OPERATOR: POGO PRODUCING COMPANY ADDRESS: P.O. BOX 10340, MIDLAND, TEXAS 79702LEASE NAME: FEDERAL NEFF WELL NO: 1 FIELD: _____**RECEIVED**LOCATION: SECTION 25, T22, R31, EDDY CO., NEW MEXICO**AUG 28 1985**

DEPTH	ANGLE INCLINATION DEGREES	DISPLACEMENT	DISPLACEMENT ACCUMULATED
286	3/4	1.31	3.7466
512	3/4	1.31	6.7072
665	1	1.75	9.3847
800	1/2	.87	10.5592
1296	1	1.75	19.2392
1792	3/4	1.31	25.7368
2290	3/4	1.31	32.2606
2781	3/4	1.31	38.6927
3083	1	1.75	43.9777
3628	2	3.49	62.9982
3814	2 3/4	4.80	71.9262
3938	3 1/4	5.67	78.9570
4062	2 3/4	4.80	84.9090
4186	2 3/4	4.80	90.8610
4310	1 1/2	2.62	94.1098
4402	3/4	1.31	95.3150
4495	3/4	1.31	96.5333
4817	3/4	1.31	100.7515
5126	1/2	.87	103.4398
5691	3/4	1.31	110.8413
5970	3/4	1.31	114.4962
6280	3/4	1.31	118.5572
6562	1	1.75	123.4922
6780	3/4	1.31	126.3480
7092	1 1/4	2.18	133.1496
7311	1 3/4	3.05	139.8291
7465	1/2	.87	141.1689
7747	1 1/4	2.18	147.3165
7935	2	3.49	153.8777
8091	1 1/4	2.18	157.2785
8592	1 1/4	2.18	168.2003
8839	1	1.75	175.5228
9119	2	3.49	182.2948
9306	3/4	1.31	184.7445
9452	1/2	.87	186.0147
9837	1 3/4	3.05	197.7572
10065	1	1.75	201.7472
10337	3/4	1.31	205.3104
10647	1	1.75	210.7354
10958	1 1/4	2.18	217.5152
11237	3/4	1.31	221.1701
11641	1 3/4	3.05	233.4921
11885	2	3.49	242.0077
12219	1 3/4	3.05	252.1947
12663	3/4	1.31	258.0111

Midland

DEPTH	ANGLE INCLINATION DEGREES	DISPLACEMENT	DISPLACEMENT ACCUMULATED
12949	1	1.75	263.0161
13303	1 3/4	3.05	273.8131
13921	1	1.75	284.6281
14081	3/4	1.31	286.7241
14407	1 1/4	2.18	293.8309
14626	2 1/4	3.93	302.4376
14993	1	1.75	308.8601

I HEREBY CERTIFY THAT THE ABOVE DATA AS SET FORTH IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE BELIEF.

CACTUS DRILLING COMPANY

Renee Hill
TITLE: RENEE HILL/DRILLING SECRETARY

AFFIDAVIT:

BEFORE ME, THE UNDERSIGNED AUTHORITY, APPEARED RENEE HILL KNOWN TO ME TO BE THE PERSON WHOSE NAME IS SUBSCRIBED HEREBELOW, WHO, ON MAKING DESPOSTION, 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.

Renee Hill
AFFIANT'S SIGNATURE

SWORN AND SUBSCRIBED TO IN MY PRESENCE ON THIS THE 22nd DAY OF August, 1985

SEAL

Earl R. Taylor
NOTARY PUBLIC IN AND FOR THE COUNTY
OF MIDLAND, STATE OF TEXAS