

RECEIVED

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(See other instructions on reverse side)

5. LEASE DESIGNATION AND SERIAL NO.

NM-81272

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Exxon "27" Federal

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Wildcat, Delaware

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

Sec. 27, T-22-S, R-32-E

12. COUNTY OR PARISH
Lea

13. STATE
New Mexico

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

b. TYPE OF COMPLETION: AR ☒ 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 79702-7340 (915)682-6822

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

At surface 660' FSL & 660' FEL, Sec. 27, T-22-S, R-32-E

At top prod. interval reported below Same

At total depth same

14. PERMIT NO.

DATE ISSUED

02/12/93

15. DATE SPUDDED

02/22/93

16. DATE T.D. REACHED

03/11/93

17. DATE COMPL. (Ready to prod.)

03/21/93

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

3669.2' GR

19. ELEV. CASINGHEAD

3668.2'

20. TOTAL DEPTH, MD & TVD

8836'

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

8790'

22. IF MUD/SLURRY COMPLETION, HOW SET?

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0'-8836'

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

8393'-8420' Brushy Canyon (MD & TVD)

8 1993

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIL - CNL - CBL

CARLSBAD, NEW MEXICO

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#	845'	17-1/2"	1025 sx-Circ 300 sx	
8-5/8"	32#	4565'	11"	1800 sx-Circ 300 sx	
5-1/2"	17#	8836'	7-7/8"	1320 sx-TOC @ 1828'	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	8433'	

31. PERFORATION RECORD (Interval, size and number)

8393'-8420' (54 - .50" Dia. holes)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8393'-8420'	Acid w/1000 gals 7-1/2% HCL
8393'-8420'	Frac w/57,000 gals X-L gel
	+ 41,000# 20/40 ottawa sand

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
03/21/93		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
04/27/93	24	8/64"	→	52	36	4	692:1
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
80	50	→	52	36	4	41.8	

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

Vented

TEST WITNESSED BY

Stan Morgan

35. LIST OF ATTACHMENTS

Logs, C-104, Sundries, Deviation Survey

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

SIGNED

Barrett L. Smith

TITLE

Sr. Operations Engineer

DATE

April 28, 1993

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

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, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Basal Anhydrite	4460'	Log
				Delaware Lime	4776'	Log
				Bell Canyon	4814'	Log
				Cherry Canyon	5810'	Log
				Brushy Canyon	6877'	Log
				Bone Springs	8652'	Log

CONFIDENTIAL

WELL Exxon Federal 27 #2

LOCATION Sec. 27-22S-32E, Lea County, NM

OPERATOR Pogo Producing Company, 500 W. Illinois, Suite 600, Midland, TX 79701

DRILLING CONTRACTOR Exeter Drilling Company

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees @ Depth</u>		<u>Degrees @ Depth</u>		<u>Degrees @ Depth</u>	
1/2	263	3/4	6,033		
1	688	3/4	6,533		
1 1/2	845	3/4	7,031		
1/4	1,328	1 1/2	7,470		
1/2	1,827	3/4	7,996		
1/4	2,325	1	8,413		
1 1/4	2,818	1 1/2	8,837		
2 3/4	3,312				
2	3,499				
3/4	3,747				
3	3,996				
2 1/2	4,119				
3 1/2	4,367				
4	4,460				
3 1/4	4,565				
1 1/2	5,066				
1	5,545				

RECEIVED
APR 30 11 25 AM '93
CARRIZO AREA

Drilling Contractor: EXETER DRILLING CO.

By: Bob Lange
Bob Lange, Drilling Manager Southern Div.

Subscribed and sworn to before me this 17th day of March, 1993.



Notary Public Lisa J. Lange
Lisa J. Lange

Commission Expires: February 4, 1996