

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

See other instructions on reverse side

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

CISF

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

RECEIVED

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 79702-7340 (915)682-6822
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1980' FNL & 330' FWL, Section 12, T-22-S, R-31-E
At top prod. interval reported below Same
At total depth Same

14. PERMIT NO. DATE ISSUED 10-10-91
15. DATE SPUDDED 11-08-91 16. DATE T.D. REACHED 11-24-91 17. DATE COMPL. (Ready to prod.) 12-06-91
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3558.7 GR 19. ELEV. CASINGHEAD 3557.7
20. TOTAL DEPTH, MD & TVD 8450' 21. PLUG, BACK T.D., MD & TVD 8411' 22. IF MULTIPLE COMPL., HOW MANY* --
23. INTERVALS DRILLED BY 0-8450' ROTARY TOOLS CABLE TOOLS
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 7025'-7063' Delaware, Brushy Canyon
25. WAS DIRECTIONAL SURVEY MADE No
26. TYPE ELECTRIC AND OTHER LOGS RUN CNL/LD, DIL, CBL
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# 814' 17-1/2" 1025 sx-circ 175 sx
8-5/8" 32# & 24# 4265' 11" 1675 sx-circ 350 sx
5-1/2" 15.5# & 17# 8450' 7-7/8" 1191 sx Stage Tool @ 6208'
TDC 2030' CBL
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" 6962' None
31. PERFORATION RECORD (Interval, size and number) 7025'-7063' Delaware, .41" 76 holes
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED
7025'-7063' 2,500 gals 15% NEFe
7025'-7063' 30,000 gals pad 78,000 lbs 20/40

33.* PRODUCTION
DATE FIRST PRODUCTION 12-06-91 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Shut for BHP
DATE OF TEST 12-13-91 HOURS TESTED 24 CHOKE SIZE 28/64 PROD'N. FOR TEST PERIOD OIL—BBL. 199 GAS—MCF. 128 WATER—BBL. 91 GAS-OIL RATIO 643/1
FLOW. TUBING PRESS. 110 CASING PRESSURE 510 CALCULATED 24-HOUR RATE OIL—BBL. 199 GAS—MCF. 128 WATER—BBL. 91 OIL GRAVITY-API (CORR.) 37.9 deg. @ 60 deg
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented TEST WITNESSED BY Keith Norvell
35. LIST OF ATTACHMENTS Logs, Deviation surveys, C-104, 3160-5
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED [Signature] TITLE Division Operations Supt. DATE Dec. 18, 1991
*(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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				Delaware Lime	4453'	Log
				Bell Canyon	4528	Log
				Cherry Canyon	5334'	Log
				Brushy Canyon	6613'	Log
				Bone Springs	8346'	Log

WELL Federal "12" #4 .

LOCATION Sec 12-22S-31E Eddy County, NM .
(Give Unit, Section, Township, And Range)

OPERATOR Pogo 500 W. Illinois, Ste. 600 Midland, Tx 79705 .

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>
<u>1/2 315'</u>	<u>3/4 4,762'</u>	
<u>1 1/2 814'</u>	<u>1/2 5,236'</u>	
<u>1 1/4 1,265'</u>	<u>3/4 5,729'</u>	
<u>1 1,730'</u>	<u>1 6,227'</u>	
<u>3/4 2,130'</u>	<u>3/4 6,719'</u>	
<u>1 2,534'</u>	<u>1 6,970'</u>	
<u>3 3,007'</u>	<u>1 7,470'</u>	
<u>3 3,095'</u>	<u>3/4 7,962'</u>	
<u>3 3/4 3,187'</u>	<u>1 1/4 8,321'</u>	
<u>3 1/4 3,246'</u>	<u>1 1/4 8,450'</u>	
<u>3 3,305'</u>		
<u>3 3/4 3,398'</u>		
<u>3 1/4 3,461'</u>		
<u>3 3,554'</u>		
<u>3 3,653'</u>		
<u>2 3/4 3,747'</u>		
<u>2 3/4 3,835'</u>		
<u>2 1/2 3,929'</u>		

Drilling Contractor EXETER DRILLING CO.

By Bob Lange
Bob Lange-Drilling Eng.-Southern Division

Subscribed and sworn to before me this 27nd day of November, 1991.

Notary Public _____
Sherri K. Merket

My commission expires: 3-10-94 Midland County, Texas