

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

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

RECEIVED
SEP 25 1991

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____
b. TYPE OF COMPLETION: ARROW 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 1980' FSL and 660' FWL of Section 12, T-22-S, R-31-E
At top prod. interval reported below same
At total depth same

RECEIVED

OCT - 1 1991

O. C. D.
ARTESIA OFFICE

5. LEASE DESIGNATION AND SERIAL NO. NM-29233
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME Federal 12
9. WELL NO. 2
10. FIELD AND POOL, OR WILDCAT Livingston Ridge/Delaware
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 12, T-22-S, R-31-E

14. PERMIT NO. DATE ISSUED June 27, 1991
15. DATE SPUDDED 8-21-91 16. DATE T.D. REACHED 9-5-91 17. DATE COMPL. (Ready to prod.) 9-11-91
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3581 - GR 19. ELEV. CASINGHEAD 3580 - GR
20. TOTAL DEPTH, MD & TVD 8490' 21. PLUG, BACK T.D., MD & TVD 8444' 22. IF MULTIPLE COMPL., HOW MANY*
23. INTERVALS DRILLED BY ROTARY TOOLS 0-8490' CABLE TOOLS N/A
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 7040'-7080' Delaware TVD & MD
25. WAS DIRECTIONAL SURVEY MADE No
26. TYPE ELECTRIC AND OTHER LOGS RUN CNL, LDT, DIL, CBL
27. WAS WELL CORED No

28. CASING RECORD (Report all strings set in well)

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54.50	840	17-1/2"	950 sx-Circ 250 sx	
8-5/8"	32# & 24#	4315	11"	1800 sx-Circ 400 sx	
5-1/2"	15.5# & 17#	8490	7-7/8"	1st Stg: 850 sx, Circ 100 sx 2nd Stg: 600 sx, TOC 3375	DV Tool @ 6194'

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"	6982'	None

31. PERFORATION RECORD (Interval, size and number) 7040'-80' Delaware .52" Dia. 80 holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7040'-80'	2000 gal 15% NEFe HCL
7040'-80'	25000 gal X-L Borate Pad
	72500 lbs. 20/40/ Sand

33.* PRODUCTION

DATE FIRST PRODUCTION 9-13-91 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut in) Producing for BHP

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9-19-91	24	28/64		329	204	77	620/1

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
170	390		329	204	77	38.6 @ 60 deg. F

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented TEST WITNESSED BY Keith Norvell

35. LIST OF ATTACHMENTS Logs, 3160-5, Surveys, C-104, 3162, Deviation Surveys

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

SIGNED [Signature] TITLE Div. Oper. Supv. DATE September 23, 1991

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

CARLSBAD, NEW MEXICO

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, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				Lamar	4480'	Log
				Bell Canyon	4540'	Log
				Cherry Canyon	5379'	Log
				Brushy Canyon	6644'	Log
				Bone Springs	8385'	Log