

GEOLOGICAL SURVEY OF NEW MEXICO OIL & GAS COMMISSION

Instructions on reverse side

5. LEASE DESIGNATION AND SERIAL NO.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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 ☐

RECEIVED

2. NAME OF OPERATOR
Pogo Producing Company

SEP 13 '90

3. ADDRESS OF OPERATOR
P. O. Box 10340 Midland, Texas 79702-7340

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 660' FSL & 660' FEL of Section 23

At top prod. interval reported below 660' FSL & 660' FEL of Section 23

At total depth

660' FSL & 660' FEL of Sec. 23

14. PERMIT NO. DATE ISSUED
5/23/90

UNIT AGREEMENT NAME

SEP 7 11 15 AM '90

8. FARM OR LEASE NAME

AR Federal 23

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Livingston Ridge, Delaware

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

Sec. 23, T-22-S, R-31-E

12. COUNTY OR PARISH
Eddy

13. STATE
New Mexico

15. DATE SPUDDED 6/22/90 16. DATE T.D. REACHED 7/08/90 17. DATE COMPL. (Ready to prod.) 8/03/90 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3574.0' GR 19. ELEV. CASINGHEAD 3572'

20. TOTAL DEPTH, MD & TVD 8420 MD 21. PLUG, BACK T.D., MD & TVD 8360' MD 22. IF MULTIPLE COMPL., HOW MANY* n/a 23. INTERVALS DRILLED BY 0-8420' 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 8090-8129', 8142-8157', 8161-8198' MD 25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN CNL/LDT - Induction, 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
20"	1/4" wall	55 RKB	26"	2 1/2 yds, 6 sxs/yd	
13-3/8"	54.50#	845	17-1/2"	800 sx, circ 210 sxs	
8-5/8"	24, 26, 32#	4394	11"	1340 sx, circ 250 sxs	
5-1/2"	15.5 & 17.0#	8420	7-7/8"	1st stg 730; 2nd stg 510; tool @ 6200'	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	8223	TAC 8000'

31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
8090-8129	79 holes	.4"		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8142-8157	31 holes	.4"		8090-8198 MD	2000 gals 7-1/2% HCL
8161-8198	75 holes	.4"		8090-8198	96,000# 16/30 Resin coated gel w/38,890 gals DS YF 130 gel

33.* PRODUCTION							
DATE FIRST PRODUCTION 8/03/90		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pump 2 1/2 x 1 1/2 x 26'				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 8/25/90	HOURS TESTED 24	CHOKE SIZE Pump	PROD'N. FOR TEST PERIOD	OIL—BBL. 55	GAS—MCF. 66	WATER—BBL. 138	GAS-OIL RATIO 1200
FLOW. TUBING PRESS. On Pump	CASING PRESSURE 25	CALCULATED 24-HOUR RATE	OIL—BBL. 55	GAS—MCF. 66	WATER—BBL. 138	OIL GRAVITY-API (CORR.) 40.5	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented
 35. LIST OF ATTACHMENTS
 TEST WITNESSED BY Charlie Williams

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
 SIGNED R. L. Wright TITLE Dist. Dirg. & Prod. Supt. DATE 9/06/90

*(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: "Sacks 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, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	SS MEAS. DEPTH	TOP TRUE VERT. DEPTH
				Del Lime	-883	
				Bell Canyon	-986	
				Cherry Canyon	-1768	
				Brushy Canyon	-3430	
				Bone Spring	-4758	