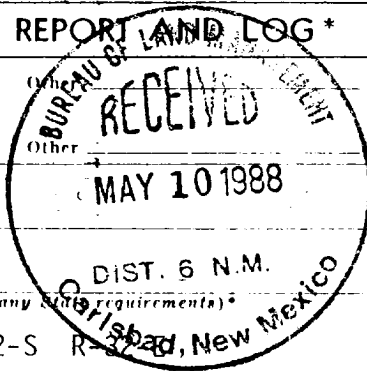


U. M. OIL CONS. DIST. 6 N.M.
P.O. BOX 10340
MIDLAND, NEW MEXICO
UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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. RESER. ☐ OTHER ☐
2. NAME OF OPERATOR
Pogo Producing Company
3. ADDRESS OF OPERATOR
P.O. Box 10340 Midland TX 79702
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1980' FNL & 1990' FEL Sec 13 T-22-S R-32-E, Carlsbad, New Mexico
At top prod. interval reported below 50'
At total depth



5. LEASE DESIGNATION AND SERIAL NO.
NM 58940
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
WBR Federal
9. WELL NO.
1
10. FIELD AND POOL, OR WILDCAT
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Bootleg Ridge Morrow
Sec 13 T-22-S R-32-E

14. PERMIT NO. DATE ISSUED
12. COUNTY OR PARISH
Lea
13. STATE
NM
15. DATE SHUDDERED 1-14-88 16. DATE T.D. REACHED 3-13-88 17. DATE COMPL. (Ready to prod.) 4-12-88 18. ELEVATIONS OF RKB, RT, GR, ETC.)* 3649.5 GR 3678 KB
19. ELEV. CASINGHEAD
20. TOTAL DEPTH, MD & TVD 15,261 21. PLUG BACK T.D., MD & TVD 15,207 22. IF MULTIPLE COMPL. HOW MANY* 23. INTERVALS DRILLED BY ROTARY TOOLS 0-15261 CABLE TOOLS
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
14678-14680, 14687-14690, 14698-14700, 14714-14726, 14732-14734, 14738-14742 Morrow
25. WAS DIRECTIONAL SURVEY MADE
No
26. TYPE ELECTRIC AND OTHER LOGS RUN
SLD, DLL/MSFL, BCS, X-PLOT
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	48 - 68	750	17 1/2	785 sx Circ 380 sx	0
10 3/4	40.5 - 51	4836	12 1/4	2017 sx Circ 200 sx	0
7 5/8	26.4, 29.7	12150	9 1/2	1st stage 850 sx 2nd stage 410 sx	0

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
5	11845	15246	650	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8	14621	14621

31. PERFORATION RECORD (Interval, size and number)
14678 - 14680 (6 shots) 14738 - 14742 (10 shots)
14687 - 14690 (8 shots)
14698 - 14700 (6 shots)
14714 - 14726 (26 shots) Total 62 holes
14732 - 14734 (6 shots)
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL (MD) 14678 - 14742
AMOUNT AND KIND OF MATERIAL USED 6000 gal 7 1/2% MORFLO BC acid

33. PRODUCTION
DATE FIRST PRODUCTION 4-12-88 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) shut-in
DATE OF TEST 4-18-88 HOURS TESTED 4 CHOKE SIZE 3-12/64" PROD'N. FOR TEST PERIOD 8.4 OIL—BBL. 1.4 GAS—MCF. 68.6 WATER—BBL. 0 GAS-OIL RATIO 49.0
FLOW. TUBING PRESS. 591-1785 CASING PRESSURE 0 CALCULATED 24-HOUR RATE 8.4 GAS—MCF. 411.5 WATER—BBL. 0 OIL GRAVITY-API (CORR.) 61.0

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented
35. LIST OF ATTACHMENTS
Inclination survey, Four Point Test, Electric Log.
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Natalie Hall TITLE Petroleum Engineer DATE 5-2-88
CARLSBAD, NEW MEXICO

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

E

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.
Bone Springs	8868	8902	DST #1 8856-8882' initial flow 30 min, 3-8# initial shut-in 1 hr final flow 1 hr, 12-17#, 3-4' flare final shut-in 2 hrs, FSIP 3785# Recovery: 300' oil, 100' drlg fluid
1st Bone Springs Sand	9840	9956	DST #2 9826-9969' initial flow 30 min, 1-3# initial shut in 50 min. final flow 1 hr, 14-2# final shut-in 2 hrs, FSIP 3311# Recovery: 90' oil, 426' water
Morrow	14514	14542	DST #3 14460-14524' initial flow 20 min, weak blow initial shut in 1 hr, ISIP 7276# Packer failed Recovery: 7902' drlg fluid
Morrow	14666	14746	DST #4 14626- 14780' initial flow 15 min, weak blow initial shut in 2 hrs final flow 1 hr, 15-42# final shut in 5 hrs, 50 min FSIP 3430# Recovery: 5600' heavy gas cut water blanket with trace of distillate

38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Triassic redbeds	464		+3213
Dewey Lake SS	745		+2933
Rustler	871		+2807
Base/Salt	4445		-767
Delaware	4815		-1137
Delaware Sand	4892		-1214
Cherry Canyon	5976		-2298
Brushy Canyon	7100		-3422
Bone Spring	8665		-4987
1st Bone Spring	9840		-6162
3rd Bone Spring	11856		-8178
Wolfcamp	12090		-8412
Strawn	13590		-9912
Atoka Clastics	13732		-10054
Atoka Bank	13876		-10198
Morrow	14242		-10564
Morrow Clastics	14542		-10864
Morrow Marker	14606		-10928
Lower Morrow	15034		-11356
Total Depth	15263		-11585

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JUN 6 1988
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HOBBS OFFICE