

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

CISF

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 ☐

2. NAME OF OPERATOR
ARCO Permian

3. ADDRESS AND TELEPHONE NO.
P.O. Box 1089, Eunice, NM 88231

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface
1980' FNL & 760' FEL
At top prod. interval reported below
At total depth

14. PERMIT NO.
505-394-1649
RECEIVED
OCD - ARTESIA
DATE ISSUED 08/28/98

5. LEASE DESIGNATION AND SERIAL NO.
NM22080
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME, WELL NO.
Barclay Federal 13
9. API WELL NO.
30-015-30090
10. FIELD AND POOL, OR WILDCAT
S. Livingston Ridge Delaware
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
12-23S-31E
12. COUNTY OR PARISH
Eddy
13. STATE
NM

15. DATE SPUDDED 08/23/98
16. DATE T.D. REACHED 09/07/98
17. DATE COMPL. (Ready to prod.) 09/18/98
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3490' GL
19. ELEV. CASINGHEAD
20. TOTAL DEPTH, MD & TVD 8450
21. PLUG, BACK T.D., MD & TVD 8395
22. IF MULTIPLE COMPL., HOW MANY*
23. INTERVALS DRILLED BY
ROTARY TOOLS
CABLE TOOLS
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
6188-8232 Delaware 4520', Bone Spring 8423'
25. WAS DIRECTIONAL SURVEY MADE
No
26. TYPE ELECTRIC AND OTHER LOGS RUN
Array Induction Micro-CFL, Three Detector Litho-Density Comp Neutron
27. WAS WELL CORED
No

28. CASING RECORD (Report all strings set in well)					
CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
13-3/8	48	850	17-1/2	650	circ
8-5/8	32	4450	11	1300	circ
5-1/2	17. 15.5	8450	7-7/8	850	

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	6896	

31. PERFORATION RECORD (Interval, size and number) 6188-8232, 4" gun, 54 holes				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED See Attached Detail			
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33.* PRODUCTION							
DATE FIRST PRODUCTION 09/23/98		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) pumping				WELL STATUS (Producing or shut-in) producing	
DATE OF TEST 09/25/98	HOURS TESTED 24	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL - BBL. 80	GAS - MCF. 80	WATER - BBL. 596	GAS - OIL RATIO 1000
FLOW. TUBING PRESS. 300	CASING PRESSURE 80	CALCULATED 24-HOUR RATE	OIL - BBL.	GAS - MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.) 36.6	

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

35. LIST OF ATTACHMENTS
Same

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Kevin H. Williams TITLE Administrative Assistant DATE 12/22/98

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

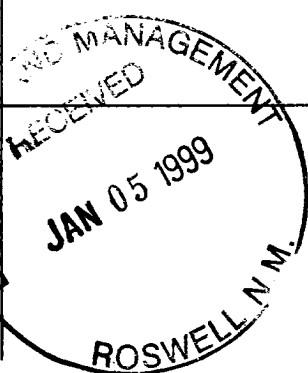
37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, flowing and shut-in pressures, and recoveries):

FORMATION

TOP

BOITOM

DESCRIPTION, CONTENTS, ETC.



38. GEOLOGIC MARKERS

NAME

TOP

MEAS. DEPTH

TRUE
VERT. DEPTH