

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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  DEEPEN  PLUG BACK  DIFF. RESRV  Other \_\_\_\_\_

2. NAME OF OPERATOR  
**ARCO Permian**

3. ADDRESS AND TELEPHONE NO.  
**P.O. Box 1610, Midland, TX 79702**

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

5. LEASE DESIGNATION AND SERIAL NO.  
**NM-22080**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.  
**BARCLAY FEDERAL 5**

9. API WELL NO.  
**30-015-29685**

10. FIELD AND POOL, OR WILDCAT  
**LIVINGSTON RIDGE (DEL)**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**12-T23S-R31E**

12. COUNTY OR PARISH  
**EDDY**

13. STATE  
**NM**

14. PERMIT NO. \_\_\_\_\_ DATE ISSUED \_\_\_\_\_

15. DATE SPUNDED **9/24/97** 16. DATE T.D. REACHED **10/9/97** 17. DATE COMPL. (Ready to prod.) **10/24/97** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* **3487' GR** 19. ELEV. CASINGHEAD \_\_\_\_\_

20. TOTAL DEPTH, MD & TVD **8450** 21. PLUG, BACK T.D., MD & TVD **8392** 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)\*  
**8029-8326 (LOWER BRUSHY CANYON)**

25. WAS DIRECTIONAL SURVEY MADE \_\_\_\_\_

26. TYPE ELECTRIC AND OTHER LOGS RUN \_\_\_\_\_

27. WAS WELL CORED  
**N**

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    | CIRC                            | NA            |
| 8-5/8             | 32              | 4429'          | 11        | CIRC                            | NA            |
| 5-1/2             | 17              | 8450           | 7-7/8     | 3600' CALC.                     | NA            |

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 | 8013           |                 |

31. PERFORATION RECORD (Interval, size and number)  
**8029-8326 (1 SPF)**

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---------------------|----------------------------------|
| 8029-8326           | FRAC W/2000 GAL 7-1/2X           |
|                     | 26,000 GAL VIK I 30              |
|                     | 64,000 #SD                       |

33. PRODUCTION

DATE FIRST PRODUCTION **10/31/97** PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) **PUMPING** WELL STATUS (Producing or shut-in) **PRODUCING**

DATE OF TEST **11/6/97** HOURS TESTED **24** CHOKER SIZE \_\_\_\_\_ PROD'N. FOR TEST PERIOD \_\_\_\_\_ OIL - BBL **99** GAS - MCF **113** WATER - BBL **250** GAS - OIL RATIO \_\_\_\_\_

FLOW. TUBING PRESS. **150** CASING PRESSURE \_\_\_\_\_ CALCULATED 24-HOUR RATE \_\_\_\_\_ OIL - BBL \_\_\_\_\_ GAS - MCF \_\_\_\_\_ WATER - BBL \_\_\_\_\_ OIL GRAVITY - API (CORR.) **45.6**

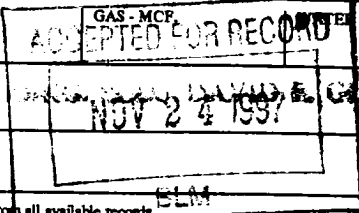
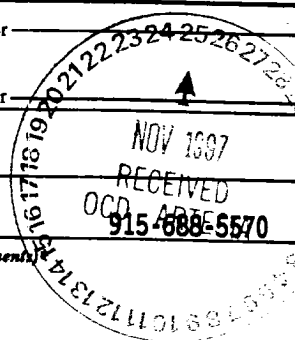
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
**SOLD**

35. LIST OF ATTACHMENTS

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

SIGNED E. J. Caskey TITLE **REGULATORY COMPLIANCE** DATE **11/20/97**

WITNESSED BY [Signature] DATE **11/13/97**



Logs received 11/20/97

(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. |
|-----------|-----|--------|-----------------------------|
|           |     |        | SEE MUDLOG                  |

38.

GEOLOGIC MARKERS

| NAME         | MEAS. DEPTH | TOP         |      |
|--------------|-------------|-------------|------|
|              |             | VERT. DEPTH | TRUE |
| TOP DELAWARE | 4488        | 4488        |      |
| BONE SPRING  | 8382        | 8382        |      |