

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPL.  
 RECEIVED BY  
 AUG 13 1984  
 (See other instructions on reverse side)

Form approved. c/sf  
 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 ARTESIA, OFFICE

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP EN  PLUG BACK  DIFF. RESVR  Other \_\_\_\_\_

2. NAME OF OPERATOR  
Liberty Oil & Gas Corporation ✓

3. ADDRESS OF OPERATOR  
1776 Woodstead Court, Suite 200, The Woodlands, Texas 77380

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
 At surface 2100'/S & 330'/W Unit letter L  
 At top prod. interval reported below 5452'  
 At total depth \_\_\_\_\_

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

5. LEASE DESIGNATION AND SERIAL NO.  
NM-17103

6. IF INDIAN ALLOTTEE OR TRIBE NAME \_\_\_\_\_

7. UNIT AGREEMENT NAME \_\_\_\_\_

8. FARM OR LEASE NAME  
Lee Federal

9. WELL NO.  
4-Y

10. FIELD AND POOL, OR WILDCAT  
Wildcat-Bone Spring

11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA  
Sec. 25, T20S, R28E

15. DATE SPUDED 6/2/84 16. DATE T.D. REACHED 6/25/84 17. DATE COMPL. (Ready to prod.) 7/24/84 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 3269' GR 19. ELEV. CASINGHEAD 3268'

20. TOTAL DEPTH, MD & TVD 6700' 21. PLUG, BACK T.D., MD & TVD 6659' 22. IF MULTIPLE COMPL. HOW MANY\* \_\_\_\_\_ 23. INTERVALS DRILLED BY → ROTARY TOOLS All CABLE TOOLS \_\_\_\_\_

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
5452-5470' Bone Spring

25. WAS DIRECTIONAL SURVEY MADE  
No

26. TYPE ELECTRIC AND OTHER LOGS RUN  
1. EPT 2. LDT-CNL 3. DLL-MSFL 4. NGT

27. WAS WELL CORED  
Yes

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

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD    | AMOUNT PULLED |
|-------------|-----------------|----------------|-----------|---------------------|---------------|
| 20"         | 94.0#           | 40'            | 24.0"     | 18 sx(Circulated)   |               |
| 13 3/8"     | 54.5#           | 405'           | 17 1/2"   | 500 sx(Circulated)  |               |
| 8 5/8"      | 24.0#           | 2703'          | 11.0"     | 1837 sx(Circulated) |               |
| 5 1/2"      | 15.5#           | 6698'          | 7 7/8"    | 770 sx(2 stages)    |               |

| 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"            | 5392'          | 5392'           |

| 31. PERFORATION RECORD (Interval, size and number) | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. |   |
|--|--|---|
|  | DEPTH INTERVAL (MD)                            | AMOUNT AND KIND OF MATERIAL USED                                    |
| <u>5452-5470' 1/3" diameter holes(4SPF=76)</u>     | <u>5472-5470'</u>                              | <u>2000 gal 15% HCL, 33000# 20/40 sand, 20000 gal gel + 25% CO2</u> |

33. PRODUCTION

| DATE FIRST PRODUCTION |                 | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) |                         |            |            | WELL STATUS (Producing or shut-in) |               |  |
|-----------------------|-----------------|--|-------------------------|------------|------------|------------------------------------|---------------|--|
| <u>7/20/84</u>        |                 | <u>Flowing</u>   |                         |            |            | <u>Producing</u>                   |               |  |
| DATE OF TEST          | HOURS TESTED    | CHOKE SIZE   | PROD'N. FOR TEST PERIOD | OIL—BBL.   | GAS—MCF.   | WATER—BBL.                         | GAS-OIL RATIO |  |
| <u>8/1/84</u>         | <u>24</u>       | <u>18/64"</u>  | <u>→</u>                | <u>96</u>  | <u>223</u> | <u>50</u>                          | <u>2385:1</u> |  |
| FLOW. TUBING PRESS.   | CASING PRESSURE | CALCULATED 24-HOUR RATE  | OIL—BBL.                | GAS—MCF.   | WATER—BBL. | OIL GRAVITY-API (CORR.)            |               |  |
| <u>220 psi</u>        | <u>pkp</u>      | <u>→</u>   | <u>96</u>               | <u>223</u> | <u>50</u>  | <u>44</u>                          |               |  |

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

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 Jerry W. Franklin TITLE Chief NEW MEXICO DATE 8/6/84

\*(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  | BOTTOM | DESCRIPTION, CONTENTS, ETC. | GEOLOGIC MARKERS |             |                  |
|-------------|------|--------|-----------------------------|------------------|-------------|------------------|
|             |      |        |                             | NAME             | MEAS. DEPTH | TRUE VERT. DEPTH |
| Bone Spring | 5452 | 5470   | Average 18% porosity        | Capitan Reef     | 1697'       | 1697'            |
|             |      |        |                             | Delaware         | 3048'       | 3048'            |
|             |      |        |                             | Bone Spring      | 5530'       | 5530'            |

38.