



OCT 21 1999

Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**OPERATOR'S COPY**

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT-" for such proposals

*SUBMIT IN TRIPLICATE*

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

MARBOB ENERGY CORPORATION

3. Address and Telephone No.

P.O. BOX 227, ARTESIA, NM 88210 505-748-3303

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

330 FNL 330 FEL, SEC. 21-T17S-R30E UNIT A

5. Lease Designation and Serial No.  
NM-0467932

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

E.L. FEDERAL #2

9. API Well No.

30-015-30256

10. Field and Pool, or Exploratory Area

LOCO HILLS PADDOCK

11. County or Parish, State

EDDY CO., NM

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION                                    | TYPE OF ACTION  |
|---|---|
| <input type="checkbox"/> Notice of Intent             | <input type="checkbox"/> Abandonment                    |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion                   |
| <input type="checkbox"/> Final Abandonment Notice     | <input type="checkbox"/> Plugging Back                  |
|   | <input type="checkbox"/> Casing Repair                  |
|   | <input type="checkbox"/> Altering Casing                |
|   | <input checked="" type="checkbox"/> Other SPUD, CMT CSG |
|   | <input type="checkbox"/> Change of Plans                |
|   | <input type="checkbox"/> New Construction               |
|   | <input type="checkbox"/> Non-Routine Fracturing         |
|   | <input type="checkbox"/> Water Shut-Off                 |
|   | <input type="checkbox"/> Conversion to Injection        |
|   | <input type="checkbox"/> Dispose Water                  |

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markders and zones pertinent to this work.)

SPUD WELL @ 7:00 P.M. 10/9/99. DRLD 12 1/4" HOLE TO 438', RAN 11 JTS 8 5/8" J-55 ST&C CSG TO 434', CMTD W/300 SX PREM PLUS, PLUG DOWN @ 5:45 A.M. 10/10/99, 7 YDS READY MIX TO SURF. WOC 18 HRS, TSTD CSG TO 600# FOR 20 MINUTES - HELD OK.

ACCEPTED FOR RECORD  
PETER W. CHESTER  
*Peter W. Chester*  
OCT 19 1999  
BUREAU OF LAND MANAGEMENT  
ROSWELL RESOURCE AREA

14. I hereby certify that the foregoing is true and correct

Signed *Robin Cochrum*

Title PRODUCTION ANALYST

Date 10/11/99

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date \_\_\_\_\_

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

**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

**5. LEASE DESIGNATION AND SERIAL NO.**  
NM-0467932

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME**

**7. UNIT AGREEMENT NAME**

**8. FARM OR LEASE NAME, WELL NO.**  
E.L. FEDERAL #2

**9. API WELL NO.**  
30-015-30256

**10. FIELD AND POOL, OR WILDCAT  
LOCO HILLS PADDOCK**

**11. SEC., T., R., M., OR BLOCK AND SURVEY  
OR AREA**  
SEC. 21-T17S-R30E

**12. COUNTY OR PARISH** EDDY **13. STATE** NM

**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**  
MARBOB ENERGY CORPORATION

**3. ADDRESS AND TELEPHONE NO.**  
P.O. BOX 227, ARTESIA, NM 88210 505-748-3303

**4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\***  
At surface 330 FNL 330 FEL  
At top prod. interval reported below SAME  
At total depth SAME

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

**15. DATE SPURRED** 10/09/99 **16. DATE T.D. REACHED** 10/19/99 **17. DATE COMPL. (Ready to prod.)** 11/11/99 **18. ELEVATIONS (DF, RKB, RT, GE, ETC.)\*** 3669' **19. ELEV. CASINGHEAD**

**20. TOTAL DEPTH, MD & TVD** 4960' **21. PLUG, BACK T.D., MD & TVD** 4948' **22. IF MULTIPLE COMPL., HOW MANY\*** \_\_\_\_\_ **23. INTERVALS DRILLED BY** \_\_\_\_\_ **ROTARY TOOLS** 0-4960' **CABLE TOOLS**

**24. PRODUCING INTERVAL(S), OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)\***  
4408-4652' PADDOCK **25. WAS DIRECTIONAL SURVEY MADE** No

**26. TYPE ELECTRIC AND OTHER LOGS RUN** DLL, CSNG **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     |
|-------------------|-----------------|----------------|-----------|---------------------------------|-------------------|
| 8 5/8", J-55      | 24#             | 434'           | 12 1/4"   | 300 SX                          | READY MIX TO SURF |
| 5 1/2", J-55      | 17#             | 4960'          | 7 7/8"    | 1350 SX                         | CIRC 230 SX       |

**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" | 4351'          |                 |

**31. PERFORATION RECORD (Interval, size and number)** 4408-4652' 20 SHOTS

**32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.**

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---------------------|----------------------------------|
| 4408-4652'          | ACD W/2000 GALS 15% NEFE ACID    |

**33. PRODUCTION**

| DATE FIRST PRODUCTION | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) | WELL STATUS (Producing or shut-in) |                        |          |            |                         |               |
|-----------------------|--|------------------------------------|------------------------|----------|------------|-------------------------|---------------|
| 11/13/99              | PUMPING  | PROD                               |                        |          |            |                         |               |
| DATE OF TEST          | HOURS TESTED   | CHOKE SIZE                         | PROD'N FOR TEST PERIOD | OIL—BBL. | GAS—MCF.   | WATER—BBL.              | GAS-OIL RATIO |
| 11/14/99              | 24   |                                    |                        | 78       | 61         | 543                     |               |
| FLOW. TUBING PRESS.   | CASING PRESSURE  | CALCULATED 24-HOUR RATE            | OIL—BBL.               | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.) |               |

**34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)** SOLD **TEST WITNESSED BY** OWEN PUCKETT

**35. LIST OF ATTACHMENTS**  
LOGS, DEVIATION SURVEY

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

SIGNED Robin Cockrum TITLE ROBIN COCKRUM DATE 11/16/99

\*(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. |
|-----------|-----|--------|-----------------------------|
|           |     |        |                             |

| 38. GEOLOGICAL MARKERS |             |                  | 38. GEOLOGICAL MARKERS |             |                  |
|------------------------|-------------|------------------|------------------------|-------------|------------------|
| NAME                   | TOP         |                  | NAME                   | TOP         |                  |
|                        | MEAS. DEPTH | TRUE VERT. DEPTH |                        | MEAS. DEPTH | TRUE VERT. DEPTH |
| YATES                  | 1238'       |                  |                        |             |                  |
| QUEEN                  | 2130'       |                  |                        |             |                  |
| SAN ANDRES             | 2860'       |                  |                        |             |                  |
| GLORIETTA              | 4330'       |                  |                        |             |                  |

MARBOB ENERGY CORPORATION  
E.L. FEDEAL #2  
330 FNL 330 FEL, SEC. 21-T17S-R30E  
30-015-30256

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| <u>Working Interest Owner</u>                                     | <u>Percentage Interests</u> |
|---|-----------------------------|
| Marbob Energy Corporation<br>P.O. Box 227<br>Artesia, NM 88210    | 25.00%                      |
| Pitch Energy Corporation<br>P.O. Box 304<br>Artesia, NM 88210     | 25.00%                      |
| Atlantic Richfield Co.<br>P.O. Box 1610<br>Midland, TX 79702-1610 | 50.00%                      |
|   | <hr/> 100.00%               |