

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*  
(See other instruction on reverse side)

FOR APPROVED  
OMB NO. 1004-0137  
Expires: December 31, 1991

5. LEASE DESIGNATION AND SERIAL NO.  
**NM-29267**

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. RESVR. ☐ Other \_\_\_\_\_

2. NAME OF OPERATOR

**Mack Energy Corporation**

3. ADDRESS AND TELEPHONE NO.

**P.O. Box 960, Artesia, NM 88211-0960**

**(505) 748-1288**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface

**920 FNL 1650 FEL**

At top prod. interval reported below

**920 FNL 1650 FEL**

At total depth

**920 FNL 1650 FEL**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

**Gold Star Federal #2**

9. API WELL NO.

**30-015-30308**

10. FIELD AND POOL, OR WILDCAT

**Empire Yeso**

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

**Sec 30 T17S R29E**

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR PARISH  
**Eddy**

13. STATE  
**NM**

15. DATE SPUDDED  
**1/1/99**

16. DATE T.D. REACHED  
**1/8/99**

17. DATE COMPL. (Ready to prod.)  
**1/26/99**

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*  
**3645 RKB**

19. ELEV. CASING HEAD  
**3633 GR**

20. TOTAL DEPTH, MD & TVD  
**4375**

21. PLUG, BACK T.D., MD & TVD  
**4361**

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS  
**Yes**

CABLE TOOLS

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)\*

**3860.5-4149 Paddock**

25. WAS DIRECTIONAL SURVEY MADE

**Yes**

26. TYPE ELECTRIC AND OTHER LOGS RUN

**Gamma Ray, Neutron, Density, Lateralog, Spectral Gamma Ray**

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 |
|---------------------|----------------|----------------|---------------|---------------------------------|---------------|
| <b>13 3/8, H-40</b> | <b>48</b>      | <b>323</b>     | <b>17 1/2</b> | <b>300 sx</b>                   | <b>None</b>   |
| <b>8 5/8, J-55</b>  | <b>32</b>      | <b>804</b>     | <b>12 1/4</b> | <b>450sx</b>                    | <b>None</b>   |
| <b>5 1/2, J-55</b>  | <b>17</b>      | <b>4374</b>    | <b>7 7/8</b>  | <b>840 sx</b>                   | <b>None</b>   |

29. LINER RECORD

30. TUBING RECORD

| SIZE | T O P (MD) | BOTTOM (MD) | SACKS CEMENT | SCREEN (MD) | SIZE         | DEPTH SET (MD) | PACKER SET (MD) |
|------|------------|-------------|--------------|-------------|--------------|----------------|-----------------|
|      |            |             |              |             | <b>2 7/8</b> | <b>4174</b>    |                 |

ACCEPTED FOR RECORD

31. PERFORATION RECORD (Interval, size and number)

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

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

**3860.5-4149 3000 gals 15% NE acid**

**3860.5-4149 32,000 gals 20% NE acid**

**3860.5-4149, 1 1/2, 79**

33. PRODUCTION

|                                 |                    |                                                                                                        |                             |                |                     |                                                 |                      |
|---------------------------------|--------------------|--------------------------------------------------------------------------------------------------------|-----------------------------|----------------|---------------------|-------------------------------------------------|----------------------|
| DATE FIRST PRODUCTION<br>2/1/99 |                    | PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)<br>2 1/2 x 2 x 20', HVR-PAP-BNC |                             |                |                     | WELL STATUS (Producing or shut-in)<br>Producing |                      |
| DATE OF TEST<br>2/7/99          | HOURS TESTED<br>24 | CHOKE SIZE                                                                                             | PROD'N FOR TEST PERIOD<br>→ | OIL-BBL.<br>88 | GAS-MCF.<br>85      | WATER-BBL.<br>389                               | GAS-OIL RATIO<br>965 |
| FLOW. TUBING PRESS.             | CASING PRESSURE    | CALCULATED 24-HOUR RATE<br>→                                                                           | OIL-BBL.<br>88              | GAS-MCF.<br>85 | WATER - BBL.<br>389 | OIL GRAVITY - API (CORR.)<br>38                 |                      |

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

*Cissa J. Carter*

TITLE

**Production Clerk**

DATE

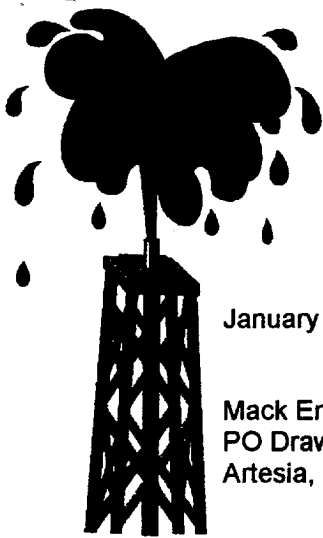
**2/23/99**

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

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.

| 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): |      |        |                             | 38. GEOLOGIC MARKERS |            |                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|-----------------------------|----------------------|------------|-----------------|
| FORMATION                                                                                                                                                                                                                                           | TOP  | BOTTOM | DESCRIPTION, CONTENTS, ETC. | NAME                 | MEAS.DEPTH | TRUE VERT.DEPTH |
| Empire Yeso                                                                                                                                                                                                                                         | 3851 | 4130   |                             | Queen                | 1604       |                 |
|                                                                                                                                                                                                                                                     |      |        |                             | San Andres           | 2300       |                 |
|                                                                                                                                                                                                                                                     |      |        |                             | Glorietta            | 3751       |                 |

RECEIVED  
 1957 APR 11  
 11:40 AM



# Artesia Fishing Tool Co., Inc.

Oil Well Drilling Contractors  
PO Box 1370 Artesia, NM 88211-1370  
505/746-6651 746-3518 fax 748-2205

January 18, 1999

Mack Energy Corporation  
PO Drawer 960  
Artesia, NM 88211-0960

RE: Gold Star Federal #82  
920' FNL & 1650' FEL  
Sec. 30, T17S, R29E  
Eddy County, New Mexico



Gentlemen:

The following is a Deviation Survey for the above captioned well.

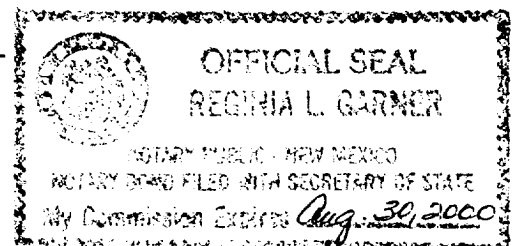
| DEPTH | DEVIATION |
|-------|-----------|
| 329'  | 1/4°      |
| 810'  | 1°        |
| 1127' | 1/2°      |
| 1401' | 1°        |
| 1718' | 1 1/2°    |
| 1987' | 1 1/4°    |
| 2430' | 1 1/2°    |
| 2922' | 1 3/4°    |
| 3360' | 1 1/4°    |
| 3922' | 1 1/4°    |
| 4375' | 1°        |

Very truly yours,

Eddie C. LaRue  
Vice President

STATE OF NEW MEXICO }  
COUNTY OF EDDY }

The foregoing was acknowledged before me  
this 18th day of January, 1999.

  
\_\_\_\_\_  
Notary Public

98\_929.DOC

*Serving Southeast New Mexico and West Texas Since 1974*