

Submit to Appropriate  
District Office  
State Lease - 6 copies  
Fee Lease - 5 copies  
**DISTRICT I**  
P.O. Box 1980, Hobbs, NM 88240

**DISTRICT II**  
811 South First, Artesia, NM 88210

**DISTRICT III**  
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico  
Minerals and Natural Resources Department

**OIL CONSERVATION DIVISION**  
2040 South Pacheco  
Santa Fe, New Mexico 87505

Form C-105  
Revised 1-1-89

WELL API NO.  
30-015-30917

5. Indicate Type of Lease  
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.  
E-4201

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1. 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 of Operator  
P.O. Box 960, Artesia, NM 88211-0960

7. Lease Name or Unit Agreement Name  
State S-19

8. Well No.  
15

9. Pool name or Wildcat  
Empire Yeso

4. Well Location  
Unit Letter J : 1815 Feet From The South Line and 1650 Feet From The East Line  
Section 19 Township 17S Range 29E NMPM Eddy, NM County

10. Date Spudded 2/19/00 11. Date TD Reached 3/1/00 12. Date Compl. (Ready to Prod.) 3/17/00 13. Elevations (DF & RKB, RT, GR, etc.) 3679 RKB 14. Elev. Casinghead 3669 GR

15. Total Depth 4402 16. Plug Back TD 4383 17. If Multiple Compl. How Many Zones?            18. Intervals Drilled By            Rotary Tools Yes Cable Tools           

19. Producing Interval(s), of this completion - Top, Bottom, Name  
3836-4347 Paddock

20. Was Directional Survey Made  
Yes

21. Type Electric and Other Logs Run  
Gamma Ray, Neutron, Density, Lateralog, Spectral Gamma Ray

22. Was Well Cored  
No

23. **CASING RECORD (Report all strings set in well)**

| CASING SIZE      | WEIGHT LB./FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|------------------|----------------|-----------|-----------|------------------|---------------|
| 13 3/8, Buttress | 48             | 370       | 17 1/2    | 375 sx           |               |
| 8 5/8 J-55       | 24             | 814       | 12 1/4    | 425 sx           |               |
| 5 1/2 J-55       | 17             | 4397      | 7 7/8     | 840 sx           |               |
|                  |                |           |           |                  |               |
|                  |                |           |           |                  |               |

24. **LINER RECORD**

| SIZE | TOP | BOTTOM | SACKS CEMENT | SCREEN |
|------|-----|--------|--------------|--------|
|      |     |        |              |        |
|      |     |        |              |        |

25. **TUBING RECORD**

| SIZE  | DEPTH SET | PACKER SET |
|-------|-----------|------------|
| 2 7/8 | 3781      |            |
|       |           |            |

26. Perforation record (interval, size, and number)  
3836-4347, 41, 108

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

| DEPTH INTERVAL | AMOUNT AND KIND MATERIAL USED |
|----------------|-------------------------------|
| 3836-4347      | 32,000 gals 20% HCL acid      |
| 3836-4347      | 54,000 gals 40# gel           |
| 3836-4347      | 2500 gals 15% NE acid         |

28. **PRODUCTION**

Date First Production 3/24/00 Production Method (Flowing, gas lift, pumping - Size and type pump) submersible Well Status (Prod. or Shut-in) Producing

|                                |                           |                           |                                     |                          |                           |                                          |                                |
|--------------------------------|---------------------------|---------------------------|-------------------------------------|--------------------------|---------------------------|------------------------------------------|--------------------------------|
| Date of Test<br><u>4/13/00</u> | Hours Tested<br><u>24</u> | Choke Size<br><u>None</u> | Prod'n For Test Period<br><u>70</u> | Oil - Bbl.<br><u>112</u> | Gas - MCF<br><u>496</u>   | Water- Bbl.<br><u>38</u>                 | Gas - Oil Ratio<br><u>1600</u> |
| Flow Tubing Press.             | Casing Pressure           | Calculated 24-Hour Rate   | Oil - Bbl.<br><u>70</u>             | Gas - MCF<br><u>112</u>  | Water- Bbl.<br><u>496</u> | Oil Gravity - API - (Corr.)<br><u>38</u> |                                |

29. Disposition of Gas (Sold, used for fuel, vented, etc.)  
Sold

Test Witnessed By           

30. List Attachments

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Crissa D. Carter Printed Name Crissa D. Carter Title Production Analyst Date 4/18/00

## INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

**Southeastern New Mexico    Northwestern New Mexico**

|                          |                        |                             |                        |
|--------------------------|------------------------|-----------------------------|------------------------|
| T. Anhy _____            | T. Canyon _____        | T. Ojo Alamo _____          | T. Penn. "B" _____     |
| T. Salt _____            | T. Strawn _____        | T. Kirtland-Fruitland _____ | T. Penn. "C" _____     |
| B. Salt _____            | T. Atoka _____         | T. Pictured Cliffs _____    | T. Penn. "D" _____     |
| T. Yates _____ 782       | T. Miss _____          | T. Cliff House _____        | T. Leadville _____     |
| T. 7 Rivers _____ 1047   | T. Devonian _____      | T. Menefee _____            | T. Madison _____       |
| T. Queen _____ 1623      | T. Silurian _____      | T. Point Lookout _____      | T. Elbert _____        |
| T. Grayburg _____        | T. Montoya _____       | T. Mancos _____             | T. McCracken _____     |
| T. San Andres _____ 2298 | T. Simpson _____       | T. Gallup _____             | T. Ignacio Otzte _____ |
| T. Glorieta _____ 3736   | T. McKee _____         | Base Greenhorn _____        | T. Granite _____       |
| T. Paddock _____         | T. Ellenburger _____   | T. Dakota _____             | T. _____               |
| T. Blinebry _____        | T. Gr. Wash _____      | T. Morrison _____           | T. _____               |
| T. Tubb _____            | T. Delaware Sand _____ | T. Todilto _____            | T. _____               |
| T. Drinkard _____        | T. Bone Springs _____  | T. Entrada _____            | T. _____               |
| T. Abo _____             | T. _____               | T. Wingate _____            | T. _____               |
| T. Wolfcamp _____        | T. _____               | T. Chinle _____             | T. _____               |
| T. Penn _____            | T. _____               | T. Permian _____            | T. _____               |
| T. Cisco (Bough C) _____ | T. _____               | T. Penn "A" _____           | T. _____               |

## OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....

No. 2, from.....to.....

No. 3, from.....to.....

No. 4, from.....to.....

## IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from ..... to ..... feet .....

No. 2, from ..... to ..... feet .....

No. 3, from ..... to ..... feet .....

## LITHOLOGY RECORD (Attach additional sheet if necessary)

| From | To | Thickness<br>in Feet | Lithology |
|------|----|----------------------|-----------|
|      |    |                      |           |