

District Office  
State Lease - 6 copies  
Fee Lease - 5 copies

Encl Minerals and Natural Resources Department

# OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, New Mexico 87505

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

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

WELL API NO.  
630-015-32366

5. Indicate Type of Lease  
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.  
B-3627

## 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

4. Well Location  
Unit Letter M : 330 Feet From The South Line and 330 Feet From The West Line  
Section 36 Township 17S Range 31E NMPM Eddy County

7. Lease Name or Unit Agreement Name  
Antelope State

8. Well No.

9. Pool name or Wildcat  
Tamano San Andres

10. Date Spudded  
8/24/02

11. Date TD Reached  
9/6/02

12. Date Compl. (Ready to Prod.)  
9/19/02

13. Elevations (DF & RKB, RT, GR, etc.)  
3827' RKB

14. Elev. Casinghead  
3814'

15. Total Depth  
5040'

16. Plug Back TD  
5019'

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By  
Rotary Tools  
Yes

19. Producing Interval(s), of this completion - Top, Bottom, Name  
4355-4402' San Andres

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

## CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT LB./FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|-------------|----------------|-----------|-----------|------------------|---------------|
| 13 3/8      | 48             | 808'      | 17 1/2    | 650 sx           | None          |
| 8 5/8       | 32             | 2200'     | 12 1/4    | 825 sx           | None          |
| 5 1/2       | 17             | 5033'     | 7 7/8     | 1245 sx          | None          |
|             |                |           |           |                  |               |
|             |                |           |           |                  |               |

| 24. LINER RECORD |     |        |              |        | 25. TUBING RECORD |           |            |
|------------------|-----|--------|--------------|--------|-------------------|-----------|------------|
| SIZE             | TOP | BOTTOM | SACKS CEMENT | SCREEN | SIZE              | DEPTH SET | PACKER SET |
|                  |     |        |              |        | 2 7/8             | 4421'     |            |
|                  |     |        |              |        |                   |           |            |

| 26. Perforation record (interval, size, and number) |  |  |  | 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. |                               |
|-----------------------------------------------------|--|--|--|-------------------------------------------------|-------------------------------|
| 4355-4402', .43, 40                                 |  |  |  | DEPTH INTERVAL                                  | AMOUNT AND KIND MATERIAL USED |
|                                                     |  |  |  | 4355-4402'                                      | 2000 gals 15% NEFE Acid       |
|                                                     |  |  |  | 4355-4402'                                      | 18,000 gals 40# gel           |
|                                                     |  |  |  | 4355-4402'                                      | 31,472# sand                  |

| 28. PRODUCTION        |              |                                                                     |                         |            |           |                                |                             |
|-----------------------|--------------|---------------------------------------------------------------------|-------------------------|------------|-----------|--------------------------------|-----------------------------|
| Date First Production |              | Production Method (Flowing, gas lift, pumping - Size and type pump) |                         |            |           | Well Status (Prod. or Shut-in) |                             |
| 9/22/02               |              | 2 1/2x2x20' Pump                                                    |                         |            |           | Producing                      |                             |
| Date of Test          | Hours Tested | Choke Size                                                          | Prod'n For Test Period  | Oil - Bbl. | Gas - MCF | Water - Bbl.                   | Gas - Oil Ratio             |
| 9/29/02               | 24 hours     |                                                                     |                         | 14         | 16        | 266                            | 1143                        |
| Flow Tubing Press.    |              | Casing Pressure                                                     | Calculated 24-Hour Rate | Oil - Bbl. | Gas - MCF | Water - Bbl.                   | Oil Gravity - API - (Corr.) |
|                       |              |                                                                     |                         | 14         | 16        | 266                            | 40                          |

| 29. Disposition of Gas (Sold, used for fuel, vented, etc.) | Test Witnessed By |
|------------------------------------------------------------|-------------------|
| Sold                                                       | Robert C. Chase   |

30. List Attachments

Deviation Survey, Logs

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 10/23/02

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.

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 <span style="float: right;">2246</span>      | T. Miss _____          | T. Cliff House _____        | T. Leadville _____     |
| T. 7 Rivers <span style="float: right;">2677</span>   | T. Devonian _____      | T. Menefee _____            | T. Madison _____       |
| T. Queen <span style="float: right;">3348</span>      | T. Silurian _____      | T. Point Lookout _____      | T. Elbert _____        |
| T. Grayburg _____                                     | T. Montoya _____       | T. Mancos _____             | T. McCracken _____     |
| T. San Andres <span style="float: right;">4341</span> | T. Simpson _____       | T. Gallup _____             | T. Ignacio Otzte _____ |
| T. Glorieta _____                                     | 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. Permain _____            | T. _____               |
| T. Cisco (Bough C) _____                              | T. _____               | T. Penn "A" _____           | T. _____               |

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

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

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

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

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 |
|------|----|----------------------|-----------|
|      |    |                      |           |