

State of New Mexico  
Energy, Minerals and Natural Resources Department

**OIL CONSERVATION DIVISION**

2040 South Pacheco  
Santa Fe, New Mexico 87505

|                              |                                                                        |
|------------------------------|------------------------------------------------------------------------|
| WELL API NO.                 |                                                                        |
| 30-015-33203                 |                                                                        |
| 5. Indicate Type of Lease    | STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil & Gas Lease No. |                                                                        |
| B-514                        |                                                                        |

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

|                                      |    |                                                                                                                                                                                                                       |                                                  |
|--------------------------------------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| 1. Type of Well:                     |    | OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>                                                                            |                                                  |
| b. Type of Completion:               |    | NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> Deepen <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> |                                                  |
| 2. Name of Operator                  |    |                                                                                                                                                                                                                       |                                                  |
| Mack Energy Corporation              |    |                                                                                                                                                                                                                       |                                                  |
| 3. Address of Operator               |    |                                                                                                                                                                                                                       |                                                  |
| P.O. Box 960, Artesia, NM 88211-0960 |    |                                                                                                                                                                                                                       |                                                  |
| 4. Well Location                     |    |                                                                                                                                                                                                                       |                                                  |
| Unit Letter                          | G  | 2040                                                                                                                                                                                                                  | Feet From The North 2140 Feet From The East Line |
| Section                              | 28 | Township                                                                                                                                                                                                              | 17S Range 29E NMPM Eddy County                   |

|                                                                   |                     |                                        |                                         |                                 |
|-------------------------------------------------------------------|---------------------|----------------------------------------|-----------------------------------------|---------------------------------|
| 10. Date Spudded                                                  | 11. Date TD Reached | 12. Date Compl. (Ready to Prod.)       | 13. Elevations (DF & RKB, RT, GR, etc.) | 14. Elev. Casinghead            |
| 2/16/2004                                                         | 4/4/2004            | 5/28/2004                              | 3582' RKB                               | 3565'                           |
| 15. Total Depth                                                   | 16. Plug Back TD    | 17. If Multiple Compl. How Many Zones? | 18. Intervals Drilled By                | 19. Rotary Tools                |
| 11204                                                             | 10575               |                                        |                                         | Yes                             |
| 19. Producing Interval(s), of this completion - Top, Bottom, Name |                     |                                        |                                         | 20. Was Directional Survey Made |
| 10380-10390', Atoka                                               |                     |                                        |                                         | Yes                             |
| 21. Type Electric and Other Logs Run                              |                     |                                        |                                         | 22. Was Well Cored              |
| Gamma Ray, Neutron, Density, Lateralog, Spectral Gamma Ray        |                     |                                        |                                         | 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             | 383       | 17 1/2    | 580 sx           | None          |
| 9 5/8       | 40             | 4600      | 12 1/4    | 1790 sx          | None          |
| 5 1/2       | 17             | 11200     | 7 7/8     | 3280 sx          | None          |
|             |                |           |           |                  |               |

|                  |     |        |              |                   |       |           |            |
|------------------|-----|--------|--------------|-------------------|-------|-----------|------------|
| 24. LINER RECORD |     |        |              | 25. TUBING RECORD |       |           |            |
| SIZE             | TOP | BOTTOM | SACKS CEMENT | SCREEN            | SIZE  | DEPTH SET | PACKER SET |
|                  |     |        |              |                   | 2 7/8 | 10328     | 10328      |

|                                                     |                                                 |
|-----------------------------------------------------|-------------------------------------------------|
| 26. Perforation record (interval, size, and number) | 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. |
| 10380-10390', .45, 40                               | DEPTH INTERVAL                                  |
|                                                     | AMOUNT AND KIND MATERIAL USED                   |
|                                                     | 10380-10390' 1500 gals 10% MS/Methanol acid     |
|                                                     | 10380-10390' 106,000 SCF N2                     |

**PRODUCTION**

|                                                            |                 |                                                                     |                        |            |             |                                |                 |
|------------------------------------------------------------|-----------------|---------------------------------------------------------------------|------------------------|------------|-------------|--------------------------------|-----------------|
| Date First Production                                      |                 | Production Method (Flowing, gas lift, pumping - Size and type pump) |                        |            |             | Well Status (Prod. or Shut-in) |                 |
| 5/30/2004                                                  |                 | Flowing                                                             |                        |            |             | Producing                      |                 |
| Date of Test                                               | Hours Tested    | Choke Size                                                          | Prod'n For Test Period | Oil - Bbl. | Gas - MCF   | Water- Bbl.                    | Gas - Oil Ratio |
| 6/3/2004                                                   | 24 hours        |                                                                     |                        | 1          | 319         | 1                              | 319             |
| Flow Tubing Press.                                         | Casing Pressure | Calculated 24-Hour Rate                                             | Oil - Bbl.             | Gas - MCF  | Water- Bbl. | Oil Gravity - API - (Corr.)    |                 |
| 260#                                                       |                 |                                                                     | 1                      | 319        | 1           |                                |                 |
| 29. Disposition of Gas (Sold, used for fuel, vented, etc.) |                 |                                                                     |                        |            |             | Test Witnessed By              |                 |
| Sold                                                       |                 |                                                                     |                        |            |             | Robert C. Chase                |                 |

30. List Attachments

Deviation Survey and 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

*Jerry W. Sherrell*

Printed Name

Jerry W. Sherrell

Title

Production Clerk

Date

6/29/2004

## 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 _____ 9952                  | T. Kirtland-Fruitland _____ | T. Penn. "C" _____     |
| B. Salt _____                 | T. Atoka _____ 10212                  | T. Pictured Cliffs _____    | T. Penn. "D" _____     |
| T. Yates _____ 816            | T. Miss _____ 11145                   | T. Cliff House _____        | T. Leadville _____     |
| T. 7 Rivers _____ 1116        | T. Devonian _____                     | T. Menefee _____            | T. Madison _____       |
| T. Queen _____ 1512           | T. Silurian _____                     | T. Point Lookout _____      | T. Elbert _____        |
| T. Grayburg _____ 2147        | T. Montoya _____                      | T. Mancos _____             | T. McCracken _____     |
| T. San Andres _____ 2462      | T. Simpson _____                      | T. Gallup _____             | T. Ignacio Otzte _____ |
| T. Glorieta _____ 3968        | 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 _____ 6082             | T. <u>Morrow Lime</u> _____ 10461     | T. Wingate _____            | T. _____               |
| T. Wolfcamp _____ 7322        | T. <u>Morrow Clastics</u> _____ 10643 | T. Chinle _____             | T. _____               |
| T. Penn _____                 | T. _____                              | T. Permain _____            | T. _____               |
| T. Cisco (Bough C) _____ 8548 | 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 |
|------|----|----------------------|-----------|
|      |    |                      |           |

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

OPERATOR: MACK ENERGY  
 WELL/LEASE: DIAMONDBACK ST 1  
 COUNTY: EDDY

003-0025

STATE OF NEW MEXICO  
 DEVIATION REPORT

|      |       |       |       |
|------|-------|-------|-------|
| 189  | 1     | 7813  | 1 1/2 |
| 383  | 3/4   | 8098  | 1 1/4 |
| 673  | 1     | 8479  | 1     |
| 1051 | 1/2   | 8813  | 1/2   |
| 1524 | 1/2   | 9270  | 1 3/4 |
| 1997 | 1     | 9460  | 3/4   |
| 2471 | 3/4   | 9737  | 3/4   |
| 2945 | 2 1/4 | 10019 | 1/2   |
| 3041 | 2     | 10238 | 1/4   |
| 3234 | 1 1/2 | 10773 | 1/2   |
| 3456 | 1 1/2 | 11200 | 1     |
| 3898 | 1 1/4 |       |       |
| 4339 | 1 1/2 |       |       |
| 4600 | 1 1/4 |       |       |
| 4997 | 1 1/2 |       |       |
| 5220 | 1 3/4 |       |       |
| 5472 | 3     |       |       |
| 5599 | 3     |       |       |
| 5820 | 2 3/4 |       |       |
| 6041 | 2 3/4 |       |       |
| 6168 | 2 1/4 |       |       |
| 6389 | 1 3/4 |       |       |
| 6611 | 2 1/4 |       |       |
| 6866 | 1 3/4 |       |       |
| 7118 | 2     |       |       |
| 7370 | 2 1/2 |       |       |
| 7560 | 1 3/4 |       |       |



By: \_\_\_\_\_

STATE OF TEXAS  
 COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 3rd day of May, 2004, by  
 Steve Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.

\_\_\_\_\_  
 Notary Public for Midland County, Texas

