

**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  
Energy, 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.

30-025-37588

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

VB-683

**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 ☐

7. Lease Name or Unit Agreement Name

Drum State

8. Well No.

1

9. Pool name or Wildcat

Hume; Grayburg West

2. Name of Operator  
Mack Energy Corporation

3. Address of Operator

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

4. Well Location

Unit Letter **F** : **1650**

Feet From The **North**

Line and **1650**

Feet From The **West**

Line

Section **16**

Township **16S**

Range **33E**

NMPM

County

10. Date Spudded

5/24/2006

11. Date TD Reached

5/31/2006

12. Date Compl. (Ready to Prod.)

6/10/2006

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

4247' RKB

14. Elev. Casinghead

4235' GR

15. Total Depth

4534

16. Plug Back TD

4494

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

4379-4414', Grayburg

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 |
|-------------|----------------|-----------|-----------|------------------|---------------|
| 8 5/8, J-55 | 24             | 1565      | 12 1/4    | 700sx            | None          |
| 5 1/2, J-55 | 15.5           | 4521      | 7 7/8     | 1250sx           | None          |
|             |                |           |           |                  |               |
|             |                |           |           |                  |               |
|             |                |           |           |                  |               |

24.

**LINER RECORD**

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

**25. TUBING RECORD**

| SIZE  | DEPTH SET | PACKER SET |
|-------|-----------|------------|
| 2 3/8 | 4392      |            |
|       |           |            |
|       |           |            |

26. Perforation record (interval, size, and number)

4379-4414', .41, 24

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

| DEPTH INTERVAL | AMOUNT AND KIND MATERIAL USED      |
|----------------|------------------------------------|
| 4379-4414'     | 1500 gals 15% HCL                  |
| 4379-4414'     | 8000# LiteProp, 88,500# 16/30 sand |
| 4379-4414'     | 89.793 gals 30# & 40# gel          |

28.

**PRODUCTION**

|                                    |                          |                                                                                               |                           |                   |                   |                                             |                      |
|------------------------------------|--------------------------|-----------------------------------------------------------------------------------------------|---------------------------|-------------------|-------------------|---------------------------------------------|----------------------|
| Date First Production<br>6/15/2006 |                          | Production Method (Flowing, gas lift, pumping - Size and type pump)<br>2" x 1 1/2" x 16' pump |                           |                   |                   | Well Status (Prod. or Shut-in)<br>Producing |                      |
| Date of Test<br>7/10/2006          | Hours Tested<br>24 hours | Choke Size                                                                                    | Prod'n For<br>Test Period | Oil - Bbl.<br>13  | Gas - MCF<br>tstm | Water- Bbl.<br>8                            | Gas - Oil Ratio<br>0 |
| Flow Tubing Press.                 | Casing Pressure          | Calculated 24-<br>Hour Rate                                                                   | Oil - Bbl.<br>13          | Gas - MCF<br>tstm | Water- Bbl.<br>8  | Oil Gravity - API - (Corr.)                 |                      |

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

Vented

Test Witnessed By

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

7/20/2006

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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 _____ 2704      | T. Miss _____          | T. Cliff House _____        | T. Leadville _____     |
| T. 7 Rivers _____ 2997   | T. Devonian _____      | T. Menefee _____            | T. Madison _____       |
| T. Queen _____ 3609      | T. Silurian _____      | T. Point Lookout _____      | T. Elbert _____        |
| T. Grayburg _____ 4033   | T. Montoya _____       | T. Mancos _____             | T. McCracken _____     |
| T. San Andres _____ 4418 | 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. _____               |

## OIL OR GAS SANDS OR ZONES

No. 1, from.....to..... No.3,from.....to.....  
No. 2, 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 |
|------|----|----------------------|-----------|
|      |    |                      |           |