

OCD-4665

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Form 3160-4  
(April 2009)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCT 14 2010

FORM APPROVED  
OMB NO. 1004-0137  
Expires: March 31, 2007

## WELL COMPLETION OR RECOMPLETION REPORT

HOBBSOCD

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 **Resaca Operating Company**

3. Address **1331 Lamar, Suite 1450 Houston, TX 77010** 3a. Phone No. (include area code) **432-580-8500**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface **1332' FSL & 1207' FWL.**  
At top prod. interval reported below **Same as above**  
At total depth **Same as above**

5. Lease Serial No. **NM-12612**

6. If Indian, Allottee or Tribe Name \_\_\_\_\_

7. Unit or CA Agreement Name and No. **Cooper Jal Unit- NM 070926X**

8. Lease Name and Well No. **Cooper Jal Unit #503**

9. API Well No. **30-025-38330**

10. Field and Pool, or Exploratory **Jalmat, Langlie Mattix**

11. Sec., T., R., M., on Block and Survey or Area **Sec 18, T4S, R37E**

12. County or Parish **Lea** 13. State **NM**

14. Date Spudded **03/20/2007** 15. Date T.D. Reached **03/27/2007** 16. Date Completed **05/10/2007**  
☐ D & A ☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\* **GL 3305'**

18. Total Depth: MD **3756'** 19. Plug Back T.D.: MD **3659'** 20. Depth-Bridge Plug Set: MD  
TVD TVD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
**GR-CNL-Photo Density, Dual Laterolog, CBL.**

22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit report)  
Directional Survey? ☐ No ☒ Yes (Submit copy)

## 23. Casing and Liner Record (Report all strings set in well)

| Hole Size | Size/Grade | Wt. (#/ft.) | Top (MD) | Bottom (MD) | Stage Cementer Depth | No. of Sks. & Type of Cement | Slurry Vol. (BBL) | Cement Top*     | Amount Pulled |
|-----------|------------|-------------|----------|-------------|----------------------|------------------------------|-------------------|-----------------|---------------|
| 12 1/4"   | 8 5/8"     | 24          |          | 422'        |                      | 250 C CaCl2                  |                   | 0', circ. 75 sx |               |
| 7 7/8"    | 5 1/2"     | 15.5        |          | 3730'       |                      | 1200 C                       |                   | 18'(CBL)        | circ. 150 sx  |
|           |            |             |          |             |                      |                              |                   |                 |               |
|           |            |             |          |             |                      |                              |                   |                 |               |
|           |            |             |          |             |                      |                              |                   |                 |               |
|           |            |             |          |             |                      |                              |                   |                 |               |

## 24. Tubing Record

| Size   | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|--------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| 2 7/8" | 3629'          |                   |      |                |                   |      |                |                   |

## 25. Producing Intervals

| Formation                    | Top   | Bottom | Perforated Interval | Size | No. Holes | Perf. Status          |
|------------------------------|-------|--------|---------------------|------|-----------|-----------------------|
| A) Queen <b>3C1</b>          | 3569' | 3655'  | 3569'-3655'         |      | 57        | open } Jalmat         |
| B) Lower 7 Rivers <b>3C1</b> | 3368' | 3558'  | 3368'-3558'         |      | 174       | open } Jalmat         |
| C) Upper 7 Rivers <b>C2</b>  | 3310' | 3313'  | 3310'-3313'         |      | 9         | open } Langlie Mattix |
| D)                           |       |        |                     |      |           |                       |

## 27. Acid, Fracture, Treatment, Cement Squeeze, etc.

| Depth Interval | Amount and Type of Material                                         |
|----------------|---------------------------------------------------------------------|
| 3310'-3655'    | Acidized with 190 bbls NEFE 15% HCl Acid, 12,000# Salt, 88 Tons CO2 |
|                |                                                                     |
|                |                                                                     |

## 28. Production - Interval A

| Date First Produced | Test Date            | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 05/13/2007          | 08/18/2007           | 24           | →               | 2       | 38      | 124       | 37.7                  |             | Test Separator    |
| Choke Size          | Tbg. Press. Flow. SI | Csg. Press   | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio         | Well Status |                   |
|                     |                      |              | →               |         |         |           |                       |             |                   |

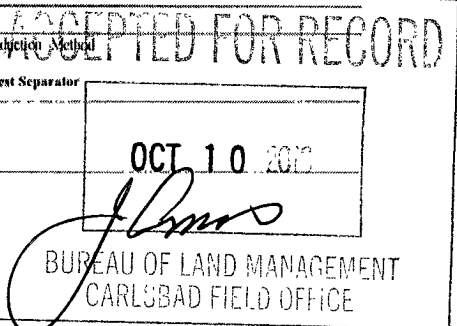
## 28a. Production - Interval B

| Date First Produced | Test Date            | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 05/13/2007          | 08/20/2007           | 24           | →               | 0.3     | 1       | 2         | 37.7                  |             | Test Separator    |
| Choke Size          | Tbg. Press. Flow. SI | Csg. Press   | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio         | Well Status |                   |
|                     |                      |              | →               |         |         |           |                       |             |                   |

\*(See instructions and spaces for additional data on page 2)

PETROLEUM ENGINEER

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## 28b. Production - Interval C

| Date First Produced | Test Date            | Hours Tested | Test Production<br>→ | Oil BBL. | Gas MCF | Water BBL. | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|----------------------|----------|---------|------------|-----------------------|-------------|-------------------|
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate<br>→     | Oil BBL. | Gas MCF | Water BBL. | Gas/Oil Ratio         | Well Status |                   |

## 28c. Production - Interval D

| Date First Produced | Test Date            | Hours Tested | Test Production<br>→ | Oil BBL. | Gas MCF | Water BBL. | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|----------------------|----------|---------|------------|-----------------------|-------------|-------------------|
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate<br>→     | Oil BBL. | Gas MCF | Water BBL. | Gas/Oil Ratio         | Well Status |                   |

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

Sold

## 30. Summary of Porous Zones (Include Aquifers):

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.

## 31. Formation (Log) Markers

| Formation      | Top   | Bottom | Descriptions, Contents, etc.                   | Name     | Top Meas. Depth |
|----------------|-------|--------|------------------------------------------------|----------|-----------------|
| Rustler        | 1045' | 1455'  | Anhydrite, Salt                                | Rustler  | 1045'           |
| Salado         | 1455' | 2760'  | Anhydrite, Salt                                | Salado   | 1455'           |
| Tansill        | 2760' | 2970'  | Anhydrite, Dolomite                            | Tansill  | 2760'           |
| Yates          | 2970' | 3199'  | Sandstone, Dolomite (Oil)                      | Yates    | 2970'           |
| Upper 7 Rivers | 3200' | 3352'  | Perfs (3310'-3313'), Sandstone, Dolomite (Oil) | 7 Rivers | 3200'           |
| Lower 7 Rivers | 3353' | 3558'  | Perfs (3368'-3558'), Sandstone, Dolomite (Oil) | 7 Rivers |                 |
| Queen          | 3559' | 3756'  | Perfs (3569'-3655'), Sandstone, Dolomite (Oil) | Queen    | 3559'           |

## 32. Additional remarks (include plugging procedure):

The Langle Muffix Interval (Interval A) includes the Lower 7 Rivers & Queen production.

## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)    ☐ Geologic Report    ☐ DST Report    ☐ Directional Survey  
☐ Sundry Notice for plugging and cement verification    ☐ Core Analysis    ☐ Other:

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

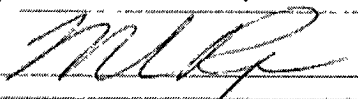
Name (please print)

Melanie Reyes

Title

Engineer Assistant

Signature



Date

01/14/2010

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.