

# OCD-ARTESIA

Form 3160-4  
(April 2004)

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

### WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

|  |  |   |  |
|--|--|---|--|
| 1a Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other   |  | 5 Lease Serial No<br><b>NMLC029418A</b>   |  |
| b Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff Resvr.<br>Other _____                              |  | 6 If Indian, Allottee or Tribe Name   |  |
| 2 Name of Operator <b>CHEVRON USA INCORPORATED (AGENT: COG OPERATING LLC)</b>  |  | 7 Unit or CA Agreement Name and No.<br><b>NMNM71030C</b>  |  |
| 3 Address <b>550 W. TEXAS AVE. SUITE 100<br/>MIDLAND TX, 79701</b>   |  | 8 Lease Name and Well No<br><b>TEX MACK 11 FEDERAL 39</b>   |  |
| 3a Phone No (include area code)<br><b>432-686-3087</b>   |  | 9 AFI Well No<br><b>30-015-37823</b>  |  |
| 4 Location of Well (Report location clearly and in accordance with Federal requirements)*<br><br>At surface <b>Lot N 950' FSL &amp; 2058' FEL</b><br><br>At top prod interval reported below<br><br>At total depth <b>LOT N 978' FSL &amp; 2297' FEL</b> |  | 10 Field and Pool, or Exploratory<br><b>FREN; GLORIETA-YESO</b> ✓   |  |
| 11 Date Spudded<br><b>01/10/2011</b>   |  | 12 County or Parish<br><b>EDDY</b>  |  |
| 15 Date TD Reached<br><b>01/20/2011</b>  |  | 13 State<br><b>NM</b>   |  |
| 16 Date Completed <b>02/15/2011</b><br><input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.   |  | 17 Elevations (DF, RKB, RT, GL)*<br><b>3936' GL</b>   |  |
| 18. Total Depth MD <b>6897</b><br>TVD <b>6897</b>  |  | 19 Plug Back T D: MD <b>6812</b><br>TVD <b>6812</b>   |  |
| 20 Depth Bridge Plug Set MD<br>TVD   |  | 21. Type Electric & Other Mechanical Logs Run (Submit copy of each)<br><b>CN / HNGS, Micro CFL / HNGS</b> |  |
| 22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)  |  | Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report)          |  |
| Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> 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 Sk. & Type of Cement | Slurry Vol (BBL) | Cement Top* | Amount Pulled |
|-----------|------------|-----------|----------|-------------|----------------------|-----------------------------|------------------|-------------|---------------|
| 17.5      | 13.375     | 48        | 0        | 728         |                      | 600                         |                  | 0           |               |
| 11        | 8.625      | 32        | 0        | 1900        |                      | 600                         |                  | 0           |               |
| 7.875     | 5.5        | 17        | 0        | 6897        |                      | 1050                        |                  | 0           |               |
|           |            |           |          |             |                      |                             |                  |             |               |
|           |            |           |          |             |                      |                             |                  |             |               |
|           |            |           |          |             |                      |                             |                  |             |               |

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#### 24. Tubing Record

| Size  | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|-------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| 2.875 | 6329           |                   |      |                |                   |      |                |                   |

#### 25. Producing Intervals

| Formation          | Top  | Bottom | Perforated Interval | Size | No Holes | Perf Status |
|--------------------|------|--------|---------------------|------|----------|-------------|
| A) <b>PADDOCK</b>  | 5290 | 5415   | 5290 TO 5415        | .41  | 26       | OPEN        |
| B) <b>BLINEBRY</b> | 5800 | 6000   | 5800 TO 6000        | .41  | 26       | OPEN        |
| C) <b>BLINEBRY</b> | 6070 | 6270   | 6070 TO 6270        | .41  | 26       | OPEN        |
| D) <b>BLINEBRY</b> | 6340 | 6540   | 6340 TO 6540        | .41  | 26       | OPEN        |

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

| Depth Interval | Amount and Type of Material   |
|----------------|---|
| 5290 TO 5415   | ACIDIZE W/ 3,000 GALS 15% ACID.   |
| 5290 TO 5415   | FRAC W/ 107,071 GALS GEL, 105,219# 16/30 OTTAWA SAND, 11,238# 16/30 SIBERPROP SAND. |
| 5800 TO 6000   | ACIDIZE W/ 2,500 GALS 15% ACID.   |
| 5800 TO 6000   | FRAC W/ 128,329 GALS GEL, 149,331# 16/30 OTTAWA SAND, 39,156# 16/30 SIBERPROP SAND. |

#### 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 |
|---------------------|--------------------|--------------|-----------------|---------|---------|-----------|----------------------|-------------|-------------------|
| 03/30/2011          | 03/30/2011         | 24           | →               | 120     | 77      | 230       |                      |             | Producing         |
| Choke Size          | Tbg Press Flwg. SI | Csg Press    | 24 Hr Rate      | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio        | Well Status |                   |
|                     |                    | 70           | →               |         |         |           |                      |             |                   |

#### 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 |
|---------------------|--------------------|--------------|-----------------|---------|---------|-----------|----------------------|-------------|-------------------|
|                     |                    |              | →               |         |         |           |                      |             |                   |
| Choke Size          | Tbg Press Flwg. 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)

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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<br>Corr. API | Gas Gravity | Production Method |
|---------------------|-------------------------|--------------|----------------------|---------|---------|-----------|--------------------------|-------------|-------------------|
| Choke Size          | Tbg. Press.<br>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<br>Corr. API | Gas Gravity | Production Method |
|---------------------|-------------------------|--------------|----------------------|---------|---------|-----------|--------------------------|-------------|-------------------|
| Choke Size          | Tbg. Press.<br>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.)

## 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<br>Meas. Depth                           |
|--|--|--------|--|--|--|
| YATES<br>QUEEN<br>SAN ANDRES<br>GLORIETA<br>YESO<br>TUBB | 1946<br>2897<br>3662<br>5186<br>5276<br>6629 |        | DOLOMITE & SAND<br>SAND<br>DOLOMITE & ANHYDRITE<br>SAND & DOLOMITE<br>DOLOMITE & ANHYDRITE<br>SAND | DOLOMITE & SAND<br>SAND<br>DOLOMITE & ANHYDRITE<br>SAND & DOLOMITE<br>DOLOMITE & ANHYDRITE<br>SAND | 1946<br>2897<br>3662<br>5186<br>5276<br>6629 |

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

ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE ETC. CONT...

6070 TO 6270 ACIDIZE W/ 2,500 GALS 15% ACID.

6070 TO 6270 FRAC W/ 134,168 GALS GEL, 145,678# 16/30 OTTAWA SAND, 38,894# 16/30 SIBERPROP SAND.

6340 TO 6540 ACIDIZE W/ 3,500 GALS 15% ACID.

6340 TO 6540 FRAC W/ 77,202 GALS GEL, 59,106# 16/30 OTTAWA SAND, 4,010# 16/30 SIBERPROP SAND.

## 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) **CHASITY JACKSON**

Title **PREPARER**

Signature

*Chasity Jackson*

Date **06/21/2011**

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.