

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMNM27506

|  |  |  |  |
|--|--|--|--|
| 1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other  |  | 6. If Indian, Allottee or Tribe Name   |  |
| 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 <u>Amended</u>   |  | 7. Unit or CA Agreement Name and No.<br>NMNM134673                             |  |
| 2. Name of Operator<br>CHEVRON USA INCORPORATED E-Mail: CHERRAMURILLO@CHEVRON.COM  |  | 8. Lease Name and Well No.<br>MOOSE TOOTH 29 26 33 FED COM 1H                  |  |
| 3. Address<br>15 SMITH ROAD<br>MIDLAND, TX 79705   |  | 9. API Well No.<br>30-025-42168-00-S1  |  |
| 4. Location of Well (Report location clearly and in accordance with Federal requirements)*<br>At surface NWNW 200FNL 330FWL 32.021087 N Lat, 103.601275 W Lon<br>At top prod interval reported below NWNW 200FNL 330FWL<br>At total depth SWNW 1229FNL 389FWL  |  | 10. Field and Pool, or Exploratory<br>WC-025 G-06 S263319P                     |  |
| 14. Date Spudded<br>11/14/2014   |  | 15. Date T.D. Reached<br>12/09/2014  |  |
| 16. Date Completed<br><input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.<br>03/11/2015  |  | 17. Elevations (DF, KB, RT, GL)*<br>3203 GL                                    |  |
| 18. Total Depth: MD 16501<br>TVD   |  | 19. Plug Back T.D.: MD 16401<br>TVD  |  |
| 20. Depth Bridge Plug Set: MD<br>TVD   |  | 21. Type Electric & Other Mechanical Logs Run (Submit copy of each)<br>CCL CCL |  |
| 22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)<br>Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)<br>Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis) |  |  |  |

## 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 |
|-----------|---------------|-------------|----------|-------------|----------------------|------------------------------|-------------------|-------------|---------------|
| 17.500    | 13.375 H-40   | 48.0        |          | 846         |                      | 965                          |                   | 0           |               |
| 12.250    | 9.625 HCK-55  | 40.0        |          | 4834        |                      | 1530                         |                   | 0           |               |
| 8.750     | 5.500 HCP-110 | 17.0        |          | 16500       |                      | 2155                         |                   | 0           |               |
|           |               |             |          |             |                      |                              |                   |             |               |
|           |               |             |          |             |                      |                              |                   |             |               |
|           |               |             |          |             |                      |                              |                   |             |               |

## 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 | 9663           | 9663              |      |                |                   |      |                |                   |

## 25. Producing Intervals

| Formation      | Top   | Bottom | Perforated Interval | Size | No. Holes | Perf. Status               |
|----------------|-------|--------|---------------------|------|-----------|----------------------------|
| A) BONE SPRING | 10583 | 16382  | 10583 TO 16382      |      | 1002      | PRODUCING- (97955) BONE SF |
| B)             |       |        |                     |      |           |                            |
| C)             |       |        |                     |      |           |                            |
| D)             |       |        |                     |      |           |                            |

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

| Depth Interval | Amount and Type of Material  |
|----------------|--|
| 10583 TO 16601 | ACIDIZED WITH 6000 GALLONS 15% FE ACID   |
| 10583 TO 16601 | FRAC W 327,226 LBS TOTAL PROPPANT 247,890 LBS 30/60 PREMIUM WHITE & 16,519 LBS 1000 MESH |
|                |  |
|                |  |

## 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 |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 03/11/2015          | 03/15/2015        | 24           | →               | 116.0   | 235.0   | 3325.0    |                       |             | FLOW FROM WELL    |
| Choke Size          | Tbg. Press. Flwg. | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |
| 37/64               | SI 575            | 580.0        | →               | 116     | 235     | 3325      |                       | POW         |                   |

## 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 |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 03/11/2015          | 03/15/2015        | 24           | →               | 116.0   | 235.0   | 3325.0    |                       |             | FLOW FROM WELL    |
| Choke Size          | Tbg. Press. Flwg. | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |
| 37/64               | SI 575            | 580.0        | →               | 116     | 235     | 3325      |                       | POW         |                   |

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #304409 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

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## 28b. Production - Interval C

| Date First Produced | Test Date         | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 03/11/2015          | 03/15/2015        | 24           | →               | 116.0   | 235.0   | 3325.0    |                       |             | FLOWS FROM WELL   |
| Choke Size          | Tbg. Press. Flwg. | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |
| 37/64               | SI                | 580.0        | →               | 116     | 235     | 3325      |                       | POW         |                   |

## 28c. Production - Interval D

| Date First Produced | Test Date         | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 03/11/2015          | 04/12/2015        | 24           | →               | 412.0   | 770.0   | 1444.0    |                       |             | FLOWS FROM WELL   |
| Choke Size          | Tbg. Press. Flwg. | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |
| 44/64               | SI                |              | →               | 412     | 770     | 1444      |                       | POW         |                   |

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         | 741  | 740    | DOLOMITE                     | LAMAR LS        | 3001            |
| CASTILE         | 3001 | 3000   | ANHYDRITE                    | BELL CANYON     | 4831            |
| LAMAR LS        | 4831 | 4830   | LIMESTONE                    | CHERRY CANYON   | 4871            |
| BELL CANYON     | 4871 | 4870   | SS                           | BRUSHY CANYON   | 5851            |
| CHERRY CANYON   | 5851 | 5850   | SS                           | BONE SPRING     | 7561            |
| BRUSHY CANYON   | 7561 | 7560   | SS                           | AVALON          | 8980            |
| BONE SPRING     | 8980 | 8979   | SHALE/LS                     | BONE SPRING 1ST | 9647            |
| AVALON          | 9028 | 9027   | SHALE/LS                     |                 |                 |
| AVALON          | 9028 | 9646   | SHALE/LS                     |                 |                 |
| BONE SPRING 1ST | 9647 | 9997   | SAND SS/LS                   |                 |                 |
| BONE SPRING 1ST | 9998 | 10158  | SHALE/LS                     |                 |                 |

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

LOWER AVALON TOP 9028 BOTTOM 9646 SHALE/LS  
 1ST BONE SPRING SAND TOP 9647 BOTTOM 9997 SS/LS  
 1ST BONE SPRING SHALE TOP 9998 BOTTOM 10158 SHALE/LS  
 \*\*REVISED SUNDRY\*\*  
 PLEASE FIND ATTACHED CEMENT JOB FOR ABOVE WELL.  
 REVISED PER NMOC.

## 33. Circle enclosed attachments:

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

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

Electronic Submission #304409 Verified by the BLM Well Information System.  
 For CHEVRON USA INCORPORATED, sent to the Hobbs  
 Committed to AFMSS for processing by LINDA JIMENEZ on 08/06/2015 (15LJ1398SE)

Name (please print) CINDY H MURILLO

Title PERMITTING SPECIALIST

Signature (Electronic Submission)

Date 06/09/2015

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.

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# BASIC ENERGY SERVICES

1721

Research & Development Laboratory

110 West County Road 114

MIDLAND, TEXAS 79702

Tel. (432)687-1994 Fax (432) 687-0066

Customer: **Chevron**  
Well Name: **Moose's Tooth 29-26-33 1H**  
County: **Eddy**  
District: **Midland**  
Lab Analyst: **Alain**

TVD: **5800 ft.**  
MD: **5800 ft.**  
BHST: **124°F**  
BHCT: **110 °F**

Test Date: **1/12/2015**  
Requested By: **Erick**  
Stage Number: **Squeeze**  
Slurry: **Lead**  
Blend Type: **Field**

## Slurry Information

Mix Water: **9.60 gal/sk**  
Density: **12.80 ppg**  
Yield: **1.83 cuft/sk**

Mix Water %: **92.05**  
Mud Density: **8.34 ppg**

### Cement Blend:

### Super C

|          |              |
|----------|--------------|
| Kol-Seal | 2.00 lb/sk   |
| C-45     | 0.40 % bwoc  |
| STE      | 5.00 lb/sk   |
| C-44     | 0.20 % bwoc  |
| C-12     | 0.40 % bwoc  |
| C-43     | 0.500 % bwoc |

### Thickening Time @

110°F

| Time to Temp | Time | Bc | Final Pressure |
|--------------|------|----|----------------|
| 66           | 2:48 | 70 | 4000 psi       |

### Compressive Strengths @

Not Requested

| Time |
|------|
|------|

### Fluid Properties

### Rheological data (cP)

| Temperature | FL | FW | 300 | 200 | 100 | 6  | 3  |
|-------------|----|----|-----|-----|-----|----|----|
| 80°F        |    |    | 68  | 61  | 50  | 32 | 19 |

### Comments



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County: **Eddy**  
District: **Midland**  
Lab Analyst: **Alain**

TVD: **5800 ft.**  
MD: **5800 ft.**  
BHST: **124°F**  
BHCT: **110 °F**

Test Date: **1/12/2015**  
Requested By: **Erick**  
Stage Number: **Squeeze**  
Slurry: **Lead**  
Blend Type: **Field**

## Slurry Information

Mix Water: **9.01 gal/sk**  
Density: **13.00 ppg**  
Yield: **1.75 cuft/sk**

Mix Water %: **86.41**  
Mud Density: **8.34 ppg**

### Cement Blend:

### Super C

|          |              |
|----------|--------------|
| Kol-Seal | 2.00 lb/sk   |
| C-45     | 0.40 % bwoc  |
| STE      | 5.00 lb/sk   |
| C-44     | 0.20 % bwoc  |
| C-12     | 0.40 % bwoc  |
| C-43     | 0.500 % bwoc |

| Thickening Time @ |      | 110°F |                |
|-------------------|------|-------|----------------|
| Time to Temp      | Time | Bc    | Final Pressure |
| 66                | 2:46 | 70    | 4000 psi       |

| Compressive Strengths @ |         | 124°F |
|-------------------------|---------|-------|
| Time                    | UCA CS  |       |
| 8 Hr.                   | 298 psi |       |
| 12 Hr.                  | 475 psi |       |
| 24 Hr.                  | 923 psi |       |
| 50 psi                  | 6:00    |       |
| 500 psi                 | 13:26   |       |

| Fluid Properties |    |    | Rheological data (cP) |     |     |    |    |
|------------------|----|----|-----------------------|-----|-----|----|----|
| Temperature      | FL | FW | 300                   | 200 | 100 | 6  | 3  |
| 80°F             |    |    | 68                    | 61  | 50  | 32 | 19 |

## Comments



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TVD: **5800 ft.**  
MD: **5800 ft.**  
BHST: **124°F**  
BHCT: **110 °F**

Test Date: **1/12/2015**  
Requested By: **Erick**  
Stage Number: **Squeeze**  
Slurry: **Lead**  
Blend Type: **Field**

## Slurry Information

Mix Water: **8.47 gal/sk**  
Density: **13.20 ppg**  
Yield: **1.68 cuft/sk**

Mix Water %: **81.24**  
Mud Density: **8.34 ppg**

### Cement Blend:

### Super C

|          |              |
|----------|--------------|
| Kol-Seal | 2.00 lb/sk   |
| C-45     | 0.40 % bwoc  |
| STE      | 5.00 lb/sk   |
| C-44     | 0.20 % bwoc  |
| C-12     | 0.40 % bwoc  |
| C-43     | 0.500 % bwoc |

### Thickening Time @

110°F

| Time to Temp | Time | Bc | Final Pressure |
|--------------|------|----|----------------|
| 66           | 2:30 | 70 | 4000 psi       |

### Compressive Strengths @

Not Requested

| Time |
|------|
|      |

### Fluid Properties

### Rheological data (cP)

| Temperature | FL | FW | 300 | 200 | 100 | 6  | 3  |
|-------------|----|----|-----|-----|-----|----|----|
| 80°F        |    |    | 68  | 61  | 50  | 32 | 19 |

### Comments





**Midland, Texas 79702**

### Job Log

[illegible]