

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED  
OMB NO. 1004-0137  
EXPIRES: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.

NMNM 0107697

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other  
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,  
Other: \_\_\_\_\_

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator

DEVON ENERGY PRODUCTION COMPANY, LP

8. Lease Name and Well No.

Antares 23 Fed 4H

3. Address

333 WEST SHERIDAN, OKLAHOMA CITY, OK 73102

3a. Phone No. (include area code)

405-235-3611

9. AFI Well No.

30-015-41108

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At Surface

2190 FSL 185 FWL

At top prod. Interval reported below

At total Depth 1000 FSL & 413 FE

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JUL 31 2013

NMOCD ARTESIA

PP: 938 FSL & 330 FWL

10. Field and Pool or Exploratory

Lusk Bone Spring, West

11. Sec, T., R., M., on Block and  
Survey or Area

L 23 T19S R31E

12. County or Parish

Eddy

13. State

NM

14. Date Spudded

4/23/13

15. Date T.D. Reached

5/19/13

16. Date Completed

7/19/13

☐ D & A

☒ Ready to Prod.

17. Elevations (DR, RKB, RT, GL)\*

3445.2 GL

18. Total Depth:

MD

15,174'

TVD

9305'

19. Plug Back T.D.:

MD

15,154'

TVD

20. Depth Bridge Plug Set:

MD

TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

CALIPER; PLTFRM/HI/RES/LAT/LOG/ARRAY/MIRO/CFL/HNGS; PLTFRM/EXP/COMP/NEUT/LOG/THREE/DET/LITHO/DEN  
S; 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<br>Depth | No. of Sk. & Type Cement  | Slurry Vol.<br>(BBL) | Cement Top* | Amount Pulled |
|-----------|--------------|-------------|----------|-------------|-------------------------|---------------------------|----------------------|-------------|---------------|
| 26"       | 20" J-55     | 94#         | 0        | 702'        |                         | 1274 sx CI C; Circ 253 sx |                      | Surface     |               |
| 17 1/2"   | 13 3/8" J-55 | 68#         | 0        | 2634'       |                         | 1850 sx CI C; Circ 309 sx |                      | Surface     |               |
| 12 1/4"   | 9 5/8" K-55  | 40#         | 0        | 4427'       | ETOC 2750'              | 1350 sx CI C; Circ 112 sx |                      | CBL         |               |
| 8 3/4"    | 5 1/2" P110  | 17#         |          | 15,203'     | DV 2712'                | 2650 sx H & 420 sx C      |                      |             |               |
|           |              |             |          |             | DV 5531'                |                           |                      |             |               |

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" | 8930'          |                   |      |                |                   |      |                |                   |

25. Producing Intervals

| Formation   | Top   | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|-------------|-------|--------|---------------------|------|-----------|--------------|
| Bone Spring | 9,197 | 14,602 | 9197-14602'         |      | 138       | Producing    |
| B)          |       |        |                     |      |           |              |
| C)          |       |        |                     |      |           |              |
| D)          |       |        |                     |      |           |              |

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

| Depth Interval | Amount and Type of Material                                                                                         |
|----------------|---------------------------------------------------------------------------------------------------------------------|
| 9197-14602'    | Acidize perms w/ Total 24,000 g 7 1/2% HCL; 71,000# 100 mesh white sd; 1,681,800 20/40 white sd; 499,940# Super LC. |
|                |                                                                                                                     |
|                |                                                                                                                     |

28. Production - Interval A

| Date First<br>Produced | Test Date              | Hours<br>Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr.<br>API | Gas Gravity | Production Method |
|------------------------|------------------------|-----------------|-----------------|---------|---------|-----------|--------------------------|-------------|-------------------|
| 7/19/13                | 7/19/13                | 24              | →               | 367     | 131     | 1309      |                          |             | Pumping           |
| Choke Size             | Tbg. Press.<br>Flwg SI | Csg. Press      | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas : Oil Ratio          | Well Status |                   |
|                        |                        |                 | →               | 367     | 131     | 1309      |                          |             |                   |

28a. Production - Interval B

| Date First<br>Produced | Test Date              | Hours<br>Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr.<br>API | Gas Gravity | Production Method |
|------------------------|------------------------|-----------------|-----------------|---------|---------|-----------|--------------------------|-------------|-------------------|
|                        |                        |                 | →               |         |         |           |                          |             |                   |
| E                      | Tbg. Press.<br>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)

RECLAMATION

DATE 1-19-14

ACCEPTED FOR RECORD

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

gnd

## 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 |
|---------------------|---------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
|                     |                     |              | →               |         |         |           |                       |             |                   |
| Choke Size          | Tbg. Press. Flwg SI | Csg. Press   | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas : Oil Ratio       | Well Status |                   |
|                     |                     |              | →               |         |         |           |                       |             |                   |

## 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 |
|---------------------|---------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
|                     |                     |              | →               |         |         |           |                       |             |                   |
| Choke Size          | Tbg. Press. Flwg SI | Csg. Press   | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas : Oil Ratio       | Well Status |                   |
|                     |                     |              | →               |         |         |           |                       |             |                   |

## 29. Disposition of Gas (Solid, 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 |
|           |     |        |                              | Salt           | 840'        |
|           |     |        |                              | Base Salt      | 2190'       |
|           |     |        |                              | Yates          | 2348'       |
|           |     |        |                              | Capitan        | 2666'       |
|           |     |        |                              | Delaware       | 4510'       |
|           |     |        |                              | Bone Spring Fm | 6972'       |

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

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

- ☐ 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 instruction)\*

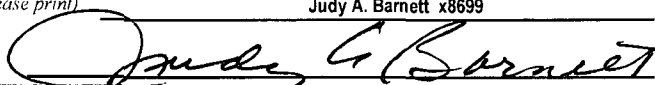
Name (please print)

Judy A. Barnett x8699

Title

Sr. Regulatory Specialist

Signature



Date

7/25/2013

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.

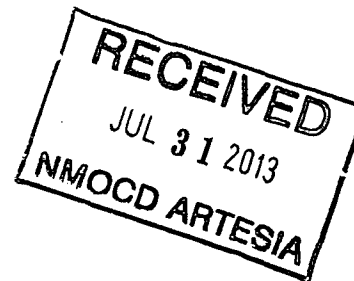


ANTARES 23 FED 4H

WEST UNRESTRICTED

## Proppant Summary by Stage

|                                           |                |                                       |                      |                       |                     |                                   |                               |                                                                                                      |  |                                  |                                 |                                    |                      |                            |
|-------------------------------------------|----------------|---------------------------------------|----------------------|-----------------------|---------------------|-----------------------------------|-------------------------------|------------------------------------------------------------------------------------------------------|--|----------------------------------|---------------------------------|------------------------------------|----------------------|----------------------------|
| District<br>PERMIAN BASIN                 |                |                                       |                      | County<br>EDDY        |                     |                                   | Field Name<br>HACKBERRY       |                                                                                                      |  | Project Group<br>DELAWARE BASIN  |                                 |                                    | State/Province<br>NM |                            |
| Surface Legal Location<br>SEC23 T19S R31E |                |                                       |                      | API/UWI<br>3001541108 |                     | Latitude (")<br>32° 38' 39.931" N |                               | Longitude (")<br>103° 50' 52.552" W                                                                  |  | Ground Elev MSL (ft)<br>3,544.50 | KB - Ground Level (ft)<br>20.00 | Orig KB Elevation (ft)<br>3,564.50 |                      | Tubing Head Elevation (ft) |
| Stage #                                   | Date           | Total Clean<br>Volume Pumped<br>(bbl) | Proppant Design (lb) | Proppant Frm (lb)     | Proppant<br>WB (lb) | Conc<br>Max<br>(lb/gal)           | BH<br>Conc<br>Max<br>(lb/gal) | Total Add Amount                                                                                     |  |                                  |                                 |                                    |                      |                            |
| 1                                         | 6/6/2013 01:05 | 3935.69                               | 287,500.0            | 193,882.1             |                     | 3.43                              |                               | 0.25# 100 Mesh, Prop_2.64 unknown 327.685 lbm; 0.25# 20/40 White, Prop_2.65 unknown 832.084 lbm; 0.5 |  |                                  |                                 |                                    |                      |                            |
| 2                                         | 6/6/2013 06:46 | 5189.44                               | 287,500.0            | 285,212.3             |                     | 3.43                              |                               | 0.25# 100 Mesh, Prop_2.64 unknown 649.974 lbm; 0.25# 20/40 White, Prop_2.65 unknown 1260.334 lbm; 0. |  |                                  |                                 |                                    |                      |                            |
| 3                                         | 6/6/2013 10:30 | 5193.21                               | 287,500.0            | 285,249.9             |                     | 3.44                              |                               | 0.25# 100 Mesh, Prop_2.64 unknown 508.502 lbm; 0.25# 20/40 White, Prop_2.65 unknown 1170.744 lbm; 0. |  |                                  |                                 |                                    |                      |                            |
| 4                                         | 6/6/2013 13:52 | 5103.13                               | 287,500.0            | 286,596.8             |                     | 3.47                              |                               | 0.25# 100 Mesh, Prop_2.64 unknown 648.455 lbm; 0.25# 20/40 White, Prop_2.65 unknown 1123.572 lbm; 0. |  |                                  |                                 |                                    |                      |                            |
| 5                                         | 6/7/2013 01:59 | 5055.06                               | 287,500.0            | 294,629.7             |                     | 3.59                              |                               | 0.25# 100 Mesh, Prop_2.64 unknown 770.535 lbm; 0.25# 20/40 White, Prop_2.65 unknown 1650.645 lbm; 0. |  |                                  |                                 |                                    |                      |                            |
| 6                                         | 6/7/2013 05:04 | 5030.80                               | 287,500.0            | 290,532.9             |                     | 3.49                              |                               | 0.25# 100 Mesh, Prop_2.64 unknown 660.933 lbm; 0.25# 20/40 White, Prop_2.65 unknown 1021.315 lbm; 0. |  |                                  |                                 |                                    |                      |                            |
| 7                                         | 6/7/2013 08:02 | 5061.60                               | 287,500.0            | 286,483.0             |                     | 3.49                              |                               | 0.25# 100 Mesh, Prop_2.64 unknown 631.234 lbm; 0.25# 20/40 White, Prop_2.65 unknown 1077.618 lbm; 0. |  |                                  |                                 |                                    |                      |                            |
| 8                                         | 6/7/2013 10:57 | 5052.15                               | 287,500.0            | 308,116.4             |                     | 3.52                              |                               | 0.25# 100 Mesh, Prop_2.64 unknown 929.596 lbm; 0.25# 20/40 White, Prop_2.65 unknown 1226.898 lbm; 0. |  |                                  |                                 |                                    |                      |                            |



# ANTARES 23 FED 4H - Permian Basin Stimulation Summary - Page No. 1 - Date: 7/1/2013

| Stage # | Date           | Type           | Zone            | Min Top Depth<br>(ftKB) | Max Btm Depth<br>(ftKB) | Proppant Fm (lb) | Proppant<br>Design (lb) | Total Clean<br>Volume<br>Pumped (bbl) | Conc Max<br>(lb/gal) | P. Max (psi) | ISIP (psi) | Q Start Max<br>(bbl/min) |
|---------|----------------|----------------|-----------------|-------------------------|-------------------------|------------------|-------------------------|---------------------------------------|----------------------|--------------|------------|--------------------------|
| 1       | 6/6/2013 01:05 | HYDRAULIC FRAC | BONE SPRING, OH | 14,500.0                | 14,602.0                | 193,882.1        | 287,500.0               | 3935.69                               | 3.43                 | 8,060.0      | 2,571.0    | 56                       |
| 2       | 6/6/2013 06:46 | HYDRAULIC FRAC | BONE SPRING, OH | 13,836.0                | 14,354.0                | 285,212.3        | 287,500.0               | 5189.44                               | 3.43                 | 7,858.0      | 2,660.0    | 81                       |
| 3       | 6/6/2013 10:30 | HYDRAULIC FRAC | BONE SPRING, OH | 13,068.0                | 13,580.0                | 285,249.9        | 287,500.0               | 5193.21                               | 3.44                 | 7,781.0      | 2,537.0    | 81                       |
| 4       | 6/6/2013 13:52 | HYDRAULIC FRAC | BONE SPRING, OH | 12,288.0                | 12,811.0                | 286,596.8        | 287,500.0               | 5103.13                               | 3.47                 | 7,876.0      | 0.0        | 80                       |
| 5       | 6/7/2013 01:59 | HYDRAULIC FRAC | BONE SPRING, OH | 11,511.0                | 12,030.0                | 294,629.7        | 287,500.0               | 5055.06                               | 3.59                 | 7,543.0      | 2,789.0    | 81                       |
| 6       | 6/7/2013 05:04 | HYDRAULIC FRAC | BONE SPRING, OH | 10,740.0                | 11,262.0                | 290,532.9        | 287,500.0               | 5030.80                               | 3.49                 | 5,313.0      | 2,649.0    | 81                       |
| 7       | 6/7/2013 08:02 | HYDRAULIC FRAC | BONE SPRING, OH | 9,966.0                 | 10,484.0                | 286,483.0        | 287,500.0               | 5061.60                               | 3.49                 | 5,197.0      | 2,560.0    | 82                       |
| 8       | 6/7/2013 10:57 | HYDRAULIC FRAC | BONE SPRING, OH | 9,197.0                 | 9,710.0                 | 308,116.4        | 287,500.0               | 5052.15                               | 3.52                 | 6,633.0      | 2,643.0    | 82                       |

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