

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED  
OMB NO. 1004-0137  
Expires: October 31, 2014

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

|                                                                                                                                                                                                                                                                                |                            |                                                                                   |                    |                                                   |                       |                                                                                                                                                                                                                                                                                                                        |                          |                   |                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------------------------------------------------------|--------------------|---------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------|-------------------|
| 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>NM 000503                                                                                                                                                                                                                                                                                       |                          |                   |                   |
| 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<br>Devon Energy Production Company, L.P.                                                                                                                                                                                                                   |                            |                                                                                   |                    |                                                   |                       | 7. Unit or CA Agreement Name and No.                                                                                                                                                                                                                                                                                   |                          |                   |                   |
| 3. Address 333 W. Sheridan Avenue<br>Oklahoma City, Oklahoma 73102                                                                                                                                                                                                             |                            |                                                                                   |                    | 3a. Phone No. (include area code)<br>405-228-4248 |                       | 8. Lease Name and Well No.<br>Cotton Draw 15 Fed Com 2H                                                                                                                                                                                                                                                                |                          |                   |                   |
| 4. Location of Well (Report location clearly and in accordance with Federal requirements)*<br><br>At surface 330' FNL & 2030' FEL, Unit B, Sec 15, T25S-R31E<br><br>At top prod. interval reported below<br><br>At total depth 302' FSL & 1681' FWL, Unit N, Sec 15, T25S-R31E |                            |                                                                                   |                    |                                                   |                       | 9. API Well No.<br>30-015-40748                                                                                                                                                                                                                                                                                        |                          |                   |                   |
| <div style="border: 2px solid black; padding: 5px; text-align: center; width: fit-content; margin: auto;"> <b>RECEIVED</b><br/> OCT 31 2013<br/> <b>NM OOD ARTESIA</b> </div>                                                                                                  |                            |                                                                                   |                    |                                                   |                       | 10. Field and Pool or Exploratory<br>Paduca; Bone Spring                                                                                                                                                                                                                                                               |                          |                   |                   |
|                                                                                                                                                                                                                                                                                |                            |                                                                                   |                    |                                                   |                       | 11. Sec., T., R., M., on Block and<br>Survey or Area<br>Sec 15, T25S-R31E                                                                                                                                                                                                                                              |                          |                   |                   |
| 14. Date Spudded<br>06/13/2013                                                                                                                                                                                                                                                 |                            |                                                                                   |                    | 15. Date T.D. Reached<br>07/07/2013               |                       | 16. Date Completed 09/05/2012<br><input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.                                                                                                                                                                                                     |                          |                   |                   |
| 17. Elevations (DF, RKB, RT, GL)*<br>3383.5 GL                                                                                                                                                                                                                                 |                            |                                                                                   |                    | 12. County or Parish<br>Eddy                      |                       | 13. State<br>NM                                                                                                                                                                                                                                                                                                        |                          |                   |                   |
| 18. Total Depth: MD 15475'<br>TVD 10397'                                                                                                                                                                                                                                       |                            |                                                                                   |                    | 19. Plug Back T.D.: MD 15420'<br>TVD              |                       | 20. Depth Bridge Plug Set: MD<br>TVD                                                                                                                                                                                                                                                                                   |                          |                   |                   |
| 21. Type Electric & Other Mechanical Logs Run (Submit copy of each)<br>Density, Neutron, Dual laterolog, Borehole Volume plot, CBL                                                                                                                                             |                            |                                                                                   |                    |                                                   |                       | 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 report)<br>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 Cement<br>Depth | No. of Sk. &<br>Type of Cement                                                                                                                                                                                                                                                                                         | Slurry Vol.<br>(BBL)     | Cement Top*       | Amount Pulled     |
| 17 1/2"                                                                                                                                                                                                                                                                        | 13 3/8"                    | 48#                                                                               | 0                  | 725'                                              |                       | 850 sx Cl C                                                                                                                                                                                                                                                                                                            |                          | 0                 |                   |
| 12 1/4"                                                                                                                                                                                                                                                                        | 9 5/8"                     | 40#                                                                               | 0                  | 4220'                                             |                       | 1465 sx Cl C                                                                                                                                                                                                                                                                                                           |                          | 0                 |                   |
| 8 3/4"                                                                                                                                                                                                                                                                         | 5 1/2"                     | 20#                                                                               | 0                  | 15462'                                            | DV @ 5992'            | 2415 sx Cl H                                                                                                                                                                                                                                                                                                           | 1st stage                | 0                 |                   |
|                                                                                                                                                                                                                                                                                |                            |                                                                                   |                    |                                                   |                       | 450 sx Cl C                                                                                                                                                                                                                                                                                                            | 2nd stage                | 2926'             |                   |
| 24. Tubing Record                                                                                                                                                                                                                                                              |                            |                                                                                   |                    |                                                   |                       |                                                                                                                                                                                                                                                                                                                        |                          |                   |                   |
| Size                                                                                                                                                                                                                                                                           | Depth Set (MD)             | Packer Depth (MD)                                                                 | Size               | Depth Set (MD)                                    | Packer Depth (MD)     | Size                                                                                                                                                                                                                                                                                                                   | Depth Set (MD)           | Packer Depth (MD) |                   |
| none                                                                                                                                                                                                                                                                           |                            |                                                                                   |                    |                                                   |                       |                                                                                                                                                                                                                                                                                                                        |                          |                   |                   |
| 25. Producing Intervals                                                                                                                                                                                                                                                        |                            |                                                                                   |                    |                                                   |                       |                                                                                                                                                                                                                                                                                                                        |                          |                   |                   |
| Formation                                                                                                                                                                                                                                                                      |                            | Top                                                                               | Bottom             | Perforated Interval                               |                       | Size                                                                                                                                                                                                                                                                                                                   | No. Holes                | Perf. Status      |                   |
| A) Bone Spring                                                                                                                                                                                                                                                                 |                            | 11270                                                                             | 15402'             | 11270 - 15402'                                    |                       |                                                                                                                                                                                                                                                                                                                        | 720                      | open              |                   |
| B)                                                                                                                                                                                                                                                                             |                            |                                                                                   |                    |                                                   |                       |                                                                                                                                                                                                                                                                                                                        |                          |                   |                   |
| C)                                                                                                                                                                                                                                                                             |                            |                                                                                   |                    |                                                   |                       |                                                                                                                                                                                                                                                                                                                        |                          |                   |                   |
| D)                                                                                                                                                                                                                                                                             |                            |                                                                                   |                    |                                                   |                       |                                                                                                                                                                                                                                                                                                                        |                          |                   |                   |
| 26. Perforation Record                                                                                                                                                                                                                                                         |                            |                                                                                   |                    |                                                   |                       |                                                                                                                                                                                                                                                                                                                        |                          |                   |                   |
| 27. Acid, Fracture, Treatment, Cement Squeeze, etc.                                                                                                                                                                                                                            |                            |                                                                                   |                    |                                                   |                       |                                                                                                                                                                                                                                                                                                                        |                          |                   |                   |
| Depth Interval                                                                                                                                                                                                                                                                 |                            | Amount and Type of Material                                                       |                    |                                                   |                       |                                                                                                                                                                                                                                                                                                                        |                          |                   |                   |
| 11270 - 15402'                                                                                                                                                                                                                                                                 |                            | 45K gals 15% HCL, 205K #100 Mesh sd, 449K 30/50 white sd, 1294K # 40/70 white sd. |                    |                                                   |                       |                                                                                                                                                                                                                                                                                                                        |                          |                   |                   |
| (15 stages)                                                                                                                                                                                                                                                                    |                            |                                                                                   |                    |                                                   |                       |                                                                                                                                                                                                                                                                                                                        |                          |                   |                   |
| 28. Production - Interval A                                                                                                                                                                                                                                                    |                            |                                                                                   |                    |                                                   |                       |                                                                                                                                                                                                                                                                                                                        |                          |                   |                   |
| Date First<br>Produced                                                                                                                                                                                                                                                         | Test Date                  | Hours<br>Tested                                                                   | Test<br>Production | Oil<br>BBL                                        | Gas<br>MCF            | Water<br>BBL                                                                                                                                                                                                                                                                                                           | Oil Gravity<br>Corr. API | Gas<br>Gravity    | Production Method |
| 9/5/13                                                                                                                                                                                                                                                                         | 9/11/13                    | 24                                                                                | →                  | 490                                               | 912                   | 940                                                                                                                                                                                                                                                                                                                    |                          |                   | flowing           |
| Choke<br>Size                                                                                                                                                                                                                                                                  | Tbg. Press.<br>Flwg.<br>SI | Csg.<br>Press.<br>SI                                                              | 24 Hr.<br>Rate     | Oil<br>BBL                                        | Gas<br>MCF            | Water<br>BBL                                                                                                                                                                                                                                                                                                           | Gas/Oil<br>Ratio         | Well Status       |                   |
|                                                                                                                                                                                                                                                                                |                            | 810 psi                                                                           | →                  |                                                   |                       |                                                                                                                                                                                                                                                                                                                        | 1861.22449               | producing         |                   |
| 28a. Production - Interval B                                                                                                                                                                                                                                                   |                            |                                                                                   |                    |                                                   |                       |                                                                                                                                                                                                                                                                                                                        |                          |                   |                   |
| Date First<br>Produced                                                                                                                                                                                                                                                         | Test Date                  | Hours<br>Tested                                                                   | Test<br>Production | Oil<br>BBL                                        | Gas<br>MCF            | Water<br>BBL                                                                                                                                                                                                                                                                                                           | Oil Gravity<br>Corr. API | Gas<br>Gravity    | Production Method |
|                                                                                                                                                                                                                                                                                |                            |                                                                                   | →                  |                                                   |                       |                                                                                                                                                                                                                                                                                                                        |                          |                   |                   |
| Choke<br>Size                                                                                                                                                                                                                                                                  | Tbg. Press.<br>Flwg.<br>SI | Csg.<br>Press.<br>SI                                                              | 24 Hr.<br>Rate     | Oil<br>BBL                                        | Gas<br>MCF            | Water<br>BBL                                                                                                                                                                                                                                                                                                           | Gas/Oil<br>Ratio         | Well Status       |                   |
|                                                                                                                                                                                                                                                                                |                            |                                                                                   | →                  |                                                   |                       |                                                                                                                                                                                                                                                                                                                        |                          |                   |                   |

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

**RECLAMATION**  
**DUE 3-5-12**

**ACCEPTED FOR RECORD**

OCT 27 2013  
*[Signature]*

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

## 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    |
|           |     |        |                              | Rustler<br>Base of Salt | 562'<br>4175'  |
|           |     |        |                              | Delaware<br>Bone Spring | 4320'<br>8237' |

32. Additional remarks (include plugging procedure):

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) Patti RiechersTitle Regulatory Specialist

Signature

Patti RiechersDate 10/09/2013

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.



COTTON DRAW 15 FED 2H

WEST UNRESTRICTED

## Perforation Summary

| District               |                       | County     |                  | Field Name      |                  | Project Group     |             |                      |             | State/Province         |                      |                        |                   |                            |  |
|------------------------|-----------------------|------------|------------------|-----------------|------------------|-------------------|-------------|----------------------|-------------|------------------------|----------------------|------------------------|-------------------|----------------------------|--|
| PERMIAN BASIN          |                       | EDDY       |                  | PADUCA          |                  | DELAWARE BASIN    |             |                      |             | NM                     |                      |                        |                   |                            |  |
| Surface Legal Location |                       | API/UWI    |                  | Latitude (°)    |                  | Longitude (°)     |             | Ground Elev MSL (ft) |             | KB - Ground Level (ft) |                      | Orig KB Elevation (ft) |                   | Tubing Head Elevation (ft) |  |
| SEC15 T25S R31E        |                       | 3001540748 |                  | 32° 8' 12.41" N |                  | 103° 45' 49.58" W |             | 3,383.50             |             | 28.00                  |                      | 3,411.50               |                   |                            |  |
| Date                   | Zone                  | Top (ftKB) | Top (TVD) (ftKB) | Btm (ftKB)      | Btm (TVD) (ftKB) | Current Status    | Carrier Des | Gun Size (in)        | Charge Type | Chg Sz (g)             | Shot Dens (shots/ft) | Phasing (°)            | Conveyance Method |                            |  |
| 8/1/2013               | BONE SPRING 2ND, ST01 | 11,270.0   | 10,371.1         | 11,272.0        | 10,371.0         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 8/1/2013               | BONE SPRING 2ND, ST01 | 11,340.0   | 10,369.3         | 11,342.0        | 10,369.2         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 8/1/2013               | BONE SPRING 2ND, ST01 | 11,410.0   | 10,367.9         | 11,412.0        | 10,367.9         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 8/1/2013               | BONE SPRING 2ND, ST01 | 11,480.0   | 10,367.4         | 11,482.0        | 10,367.4         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 8/1/2013               | BONE SPRING 2ND, ST01 | 11,550.0   | 10,367.5         | 11,552.0        | 10,367.5         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 8/1/2013               | BONE SPRING 2ND, ST01 | 11,620.0   | 10,367.4         | 11,622.0        | 10,367.4         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 8/1/2013               | BONE SPRING 2ND, ST01 | 11,690.0   | 10,368.2         | 11,692.0        | 10,368.2         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 8/1/2013               | BONE SPRING 2ND, ST01 | 11,760.0   | 10,369.7         | 11,762.0        | 10,369.8         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 8/1/2013               | BONE SPRING 2ND, ST01 | 11,830.0   | 10,371.6         | 11,832.0        | 10,371.7         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 8/1/2013               | BONE SPRING 2ND, ST01 | 11,900.0   | 10,373.9         | 11,902.0        | 10,374.0         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 8/1/2013               | BONE SPRING 2ND, ST01 | 11,970.0   | 10,376.1         | 11,972.0        | 10,376.2         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 8/1/2013               | BONE SPRING 2ND, ST01 | 12,040.0   | 10,377.8         | 12,042.0        | 10,377.8         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/31/2013              | BONE SPRING 2ND, ST01 | 12,110.0   | 10,378.8         | 12,112.0        | 10,378.8         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/31/2013              | BONE SPRING 2ND, ST01 | 12,180.0   | 10,379.4         | 12,182.0        | 10,379.4         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/31/2013              | BONE SPRING 2ND, ST01 | 12,320.0   | 10,381.5         | 12,322.0        | 10,381.6         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/31/2013              | BONE SPRING 2ND, ST01 | 12,390.0   | 10,382.9         | 12,392.0        | 10,382.9         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/31/2013              | BONE SPRING 2ND, ST01 | 12,460.0   | 10,383.7         | 12,462.0        | 10,383.7         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/31/2013              | BONE SPRING 2ND, ST01 | 12,530.0   | 10,384.2         | 12,532.0        | 10,384.2         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/31/2013              | BONE SPRING 2ND, ST01 | 12,600.0   | 10,384.9         | 12,602.0        | 10,384.9         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/31/2013              | BONE SPRING 2ND, ST01 | 12,670.0   | 10,385.7         | 12,672.0        | 10,385.7         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/31/2013              | BONE SPRING 2ND, ST01 | 12,740.0   | 10,386.3         | 12,742.0        | 10,386.3         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/31/2013              | BONE SPRING 2ND, ST01 | 12,810.0   | 10,387.1         | 12,812.0        | 10,387.1         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/31/2013              | BONE SPRING 2ND, ST01 | 12,880.0   | 10,388.1         | 12,882.0        | 10,388.1         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/31/2013              | BONE SPRING 2ND, ST01 | 12,950.0   | 10,388.5         | 12,952.0        | 10,388.5         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/31/2013              | BONE SPRING 2ND, ST01 | 13,020.0   | 10,388.2         | 13,022.0        | 10,388.2         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/31/2013              | BONE SPRING 2ND, ST01 | 13,090.0   | 10,386.8         | 13,092.0        | 10,386.8         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/31/2013              | BONE SPRING 2ND, ST01 | 13,195.0   | 10,383.4         | 13,197.0        | 10,383.3         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/30/2013              | BONE SPRING 2ND, ST01 | 13,230.0   | 10,382.5         | 13,232.0        | 10,382.5         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/30/2013              | BONE SPRING 2ND, ST01 | 13,300.0   | 10,381.6         | 13,302.0        | 10,381.5         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/30/2013              | BONE SPRING 2ND, ST01 | 13,370.0   | 10,381.4         | 13,372.0        | 10,381.4         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/30/2013              | BONE SPRING 2ND, ST01 | 13,440.0   | 10,381.7         | 13,442.0        | 10,381.7         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/30/2013              | BONE SPRING 2ND, ST01 | 13,510.0   | 10,382.3         | 13,512.0        | 10,382.3         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/30/2013              | BONE SPRING 2ND, ST01 | 13,580.0   | 10,382.9         | 13,582.0        | 10,382.9         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/30/2013              | BONE SPRING 2ND, ST01 | 13,650.0   | 10,383.0         | 13,652.0        | 10,383.0         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/30/2013              | BONE SPRING 2ND, ST01 | 13,720.0   | 10,383.7         | 13,722.0        | 10,383.7         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/30/2013              | BONE SPRING 2ND, ST01 | 13,790.0   | 10,384.5         | 13,792.0        | 10,384.5         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/30/2013              | BONE SPRING 2ND, ST01 | 13,860.0   | 10,384.7         | 13,862.0        | 10,384.7         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/30/2013              | BONE SPRING 2ND, ST01 | 13,930.0   | 10,384.1         | 13,932.0        | 10,384.1         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/30/2013              | BONE SPRING 2ND, ST01 | 14,000.0   | 10,384.0         | 14,002.0        | 10,384.0         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/30/2013              | BONE SPRING 2ND, ST01 | 14,070.0   | 10,384.9         | 14,072.0        | 10,385.0         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |

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## Perforation Summary

| District               |                       | County     |                  | Field Name      |                  | Project Group     |             |                      |             | State/Province         |                      |                        |                   |                            |  |
|------------------------|-----------------------|------------|------------------|-----------------|------------------|-------------------|-------------|----------------------|-------------|------------------------|----------------------|------------------------|-------------------|----------------------------|--|
| PERMIAN BASIN          |                       | EDDY       |                  | PADUCA          |                  | DELAWARE BASIN    |             |                      |             | NM                     |                      |                        |                   |                            |  |
| Surface Legal Location |                       | API/UWI    |                  | Latitude (°)    |                  | Longitude (°)     |             | Ground Elev MSL (ft) |             | KB - Ground Level (ft) |                      | Orig KB Elevation (ft) |                   | Tubing Head Elevation (ft) |  |
| SEC15 T25S R31E        |                       | 3001540748 |                  | 32° 8' 12.41" N |                  | 103° 45' 49.58" W |             | 3,383.50             |             | 28.00                  |                      | 3,411.50               |                   |                            |  |
| Date                   | Zone                  | Top (ftKB) | Top (TVD) (ftKB) | Blm (ftKB)      | Blm (TVD) (ftKB) | Current Status    | Carrier Des | Gun Size (in)        | Charge Type | Chg Sz (g)             | Shot Dens (shots/ft) | Phasing (%)            | Conveyance Method |                            |  |
| 7/30/2013              | BONE SPRING 2ND, ST01 | 14,140.0   | 10,386.6         | 14,142.0        | 10,386.6         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/30/2013              | BONE SPRING 2ND, ST01 | 14,210.0   | 10,388.4         | 14,212.0        | 10,388.4         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/30/2013              | BONE SPRING 2ND, ST01 | 14,280.0   | 10,389.6         | 14,282.0        | 10,389.7         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/29/2013              | BONE SPRING 2ND, ST01 | 14,350.0   | 10,390.2         | 14,352.0        | 10,390.3         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/29/2013              | BONE SPRING 2ND, ST01 | 14,420.0   | 10,390.4         | 14,442.0        | 10,390.4         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/29/2013              | BONE SPRING 2ND, ST01 | 14,490.0   | 10,390.7         | 14,492.0        | 10,390.7         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/29/2013              | BONE SPRING 2ND, ST01 | 14,560.0   | 10,390.7         | 14,562.0        | 10,390.7         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/29/2013              | BONE SPRING 2ND, ST01 | 14,630.0   | 10,390.6         | 14,632.0        | 10,390.6         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/29/2013              | BONE SPRING 2ND, ST01 | 14,700.0   | 10,391.4         | 14,702.0        | 10,391.4         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/29/2013              | BONE SPRING 2ND, ST01 | 14,770.0   | 10,393.2         | 14,772.0        | 10,393.2         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/29/2013              | BONE SPRING 2ND, ST01 | 14,840.0   | 10,395.0         | 14,842.0        | 10,395.0         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/29/2013              | BONE SPRING 2ND, ST01 | 14,910.0   | 10,396.0         | 14,912.0        | 10,396.0         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/29/2013              | BONE SPRING 2ND, ST01 | 14,980.0   | 10,396.4         | 14,982.0        | 10,396.4         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/29/2013              | BONE SPRING 2ND, ST01 | 15,050.0   | 10,397.9         | 15,052.0        | 10,398.0         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/29/2013              | BONE SPRING 2ND, ST01 | 15,100.0   | 10,399.0         | 15,102.0        | 10,399.1         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | WIRELINE          |                            |  |
| 7/26/2013              | BONE SPRING 2ND, ST01 | 15,190.0   | 10,400.0         | 15,192.0        | 10,400.1         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | TUBING            |                            |  |
| 7/26/2013              | BONE SPRING 2ND, ST01 | 15,260.0   | 10,400.9         | 15,262.0        | 10,400.9         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | TUBING            |                            |  |
| 7/26/2013              | BONE SPRING 2ND, ST01 | 15,330.0   | 10,400.9         | 15,332.0        | 10,400.9         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | TUBING            |                            |  |
| 7/26/2013              | BONE SPRING 2ND, ST01 | 15,400.0   | 10,399.9         | 15,402.0        | 10,399.8         |                   |             | 3 1/8                | SHAPED      | 21.5                   | 6.0                  | 60                     | TUBING            |                            |  |