

## NM OIL CONSERVATION

ARTESIA DISTRICT

OCD Artesia  
JUL 30 2014Form 3160-4  
(August 2007)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMNM068081a. Type of Well ☐ Oil Well ☐ Gas Well ☐ Dry ☒ Other: INJ  
1b. 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.  
891000558X2. Name of Operator  
BOPCO LP Contact: TRACIE CHERRY  
E-Mail: tjcherry@basspet.com8. Lease Name and Well No.  
JAMES RANCH 21 UNIT SWD 13. Address P O BOX 2760  
MIDLAND, TX 797023a. Phone No. (include area code)  
Ph: 432-221-73799. API Well No.  
30-015-41074-00-S1

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

At surface SENE 1508FNL 1926FEL

At top prod interval reported below SENE 1508FNL 1926FEL

At total depth SENE 1508FNL 1926FEL

10. Field and Pool, or Exploratory  
SALT WATER DISPOSAL (SWD)11. Sec., T., R., M., or Block and Survey  
or Area Sec 21 T2S R30E Mer NMP12. County or Parish  
EDDY13. State  
NM14. Date Spudded  
10/06/201415. Date T.D. Reached  
04/10/201416. Date Completed  
☐ D & A ☒ Ready to Prod.  
04/17/201417. Elevations (DF, KB, RT, GL)\*  
3165 GL18. Total Depth: MD  
TVD 1652519. Plug Back T.D.: MD  
TVD20. Depth Bridge Plug Set: MD  
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
CNL HRLA GR HRLA MICRO-CFL HGNS CAL ECS HNGR22. Was well cored? ☐ No ☒ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit analysis)  
Directional Survey? ☐ No ☒ 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 |
|-----------|---------------|-------------|----------|-------------|----------------------|------------------------------|-------------------|-------------|---------------|
| 18.125    | 16.000 J-55   | 84.0        | 0        | 540         |                      | 596                          |                   | 0           |               |
| 14.250    | 13.375 HCN-80 | 68.0        | 0        | 3535        |                      | 2678                         |                   | 0           |               |
| 12.250    | 9.625 HCP-110 | 53.5        | 0        | 11216       | 5531                 | 3035                         |                   | 0           |               |
| 8.500     | 7.000 P-110   | 32.0        | 10673    | 15252       |                      | 475                          |                   | 10673       |               |
| 6.000     |               |             | 15252    | 16525       |                      |                              |                   |             |               |

## 24. Tubing Record

| Size  | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|-------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| 4.500 | 15217          | 15200             |      |                |                   |      |                |                   |

## 25. Producing Intervals

| Formation   | Top   | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|-------------|-------|--------|---------------------|------|-----------|--------------|
| A) DEVONIAN | 15258 | 15816  | 15252 TO 16525      |      |           | OPEN HOLE    |
| B)          |       |        |                     |      |           |              |
| C)          |       |        |                     |      |           |              |
| D)          |       |        |                     |      |           |              |

## 26. Perforation Record

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

| Depth Interval | Amount and Type of Material                                   |
|----------------|---|
| 15252 TO 16525 | ACIDIZE W/40000 GAL 20% HCL, 10500# ROCK SALT ACROSS 8 STAGES |

ACCEPTED FOR RECORD

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

## 28a. Production - Interval B

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

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #253845 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

AB

## 28b. Production - Interval C

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

## 28c. Production - Interval D

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

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

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

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

| Formation     | Top   | Bottom | Descriptions, Contents, etc. | Name         | Top<br>Meas. Depth |
|---------------|-------|--------|------------------------------|--------------|--------------------|
| BELL CANYON   | 3571  | 4435   | SANDSTONE                    | RUSTLER      | 194                |
| CHERRY CANYON | 4425  | 5770   | SANDSTONE                    | BASE OF SALT | 3260               |
| BRUSHY CANYON | 5770  | 8388   | SANDSTONE                    | DEVONIAN     | 15258              |
| WOLFCAMP      | 10697 | 12244  | SANDSTONE, LIMESTONE         | FUSSELMAN    | 15846              |
| ATOKA         | 12587 | 13241  | LIMESTONE, SANDSTONE         |              |                    |
| MORROW        | 13241 | 14668  | SANDSTONE                    |              |                    |
| DEVONIAN      | 15258 | 15816  | DOLOMITE, LIMESTONE          |              |                    |

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

16" csg TOC 100' by temp survey. Volume includes 136 sx (32 bbls) for top out

14.75" csg TOC 488' by temp survey. Volume includes 146 sx (35 bbls) for top out

## 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 #253845 Verified by the BLM Well Information System.

For BOPCO LP, sent to the Carlsbad

Committed to AFMSS for processing by DUNCAN WHITLOCK on 07/22/2014 (14DW0201SE)

Name (please print) TRACIE CHERRY

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 07/21/2014

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.

**\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\***