

**NM OIL CONSERVATION**  
**ARTESIA DISTRICT**  
 OCD JUL 18 0 2014

**RECEIVED**

Form 3160-4  
 (August 2007)

UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 BUREAU OF LAND MANAGEMENT

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
 NMNM0309377A

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 LYNX PETROLEUM CONSULTANTS INC. Contact: DEBBIE MCKELVEY  
 Email: debmckelvey@earthlink.net

8. Lease Name and Well No.  
 HJ FEDERAL 1

3. Address P.O. BOX 1708  
 HOBBS, NM 88241

3a. Phone No. (include area code)  
 Ph: 575-392-3575

9. API Well No. 30-015-23781 (S3)

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

At surface NESW 1980FSL 2310FWL  
 At top prod interval reported below NESW 1980FSL 2310FWL  
 At total depth NESW 1980FSL 2310FWL

10. Field and Pool, or Exploratory  
 LUSK;B.S.,WEST

11. Sec., T., R., M., or Block and Survey  
 or Area Sec 13 T19S R31E Mer

12. County or Parish EDDY  
 13. State NM

14. Date Spudded  
 06/13/1981

15. Date T.D. Reached  
 08/16/1981

16. Date Completed  
 D & A  Ready to Prod.  
 01/17/2014

17. Elevations (DF, KB, RT, GL)\*  
 3358 GL

18. Total Depth: MD 12967  
 TVD 12967

19. Plug Back T.D.: MD 10345  
 TVD 10345

20. Depth Bridge Plug Set: MD 10380  
 TVD 10380

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

22. 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 Sk. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|-------------|-------------|----------|-------------|----------------------|-----------------------------|-------------------|-------------|---------------|
| 17.500    | 13.375 K-55 | 54.5        | 0        | 604         |                      | 625                         |                   | 0           |               |
| 12.250    | 8.625 K-55  | 32.0        | 0        | 4101        |                      | 1770                        |                   | 0           |               |
| 7.875     | 5.500 N-80  | 17.0        | 0        | 12696       |                      | 1250                        |                   | 8360        |               |

24. Tubing Record

| Size  | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|-------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| 2.875 | 9207           | 9207              |      |                |                   |      |                |                   |

25. Producing Intervals

26. Perforation Record

| Formation      | Top  | Bottom | Perforated Interval | Size  | No. Holes | Perf. Status |
|----------------|------|--------|---------------------|-------|-----------|--------------|
| A) BONE SPRING | 8513 | 9194   | 8513 TO 9194        | 0.250 | 84        | OPEN         |
| B)             |      |        | 10418 TO 10474      |       |           | PLUGGED      |
| C)             |      |        | 11788 TO 11810      |       |           | PLUGGED      |
| D)             |      |        | 11939 TO 12637      |       |           | PLUGGED      |

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

| Depth Interval | Amount and Type of Material               |
|----------------|---|
| 8513 TO 9194   | FRAC WITH 2056# 20/40 SAND WITH ADDITIVES |

ACCEPTED FOR RECORD

JUL 27 2014

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     |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-----------------------|
| 02/10/2014          | 02/12/2014        | 24           | →               | 17.0    | 0.0     | 117.0     | 36.4                  |             | Electric Pumping Unit |
| Choke Size          | Tbg. Press. Flwg. | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                       |
| SI                  |                   |              | →               | 17      | 0       | 117       |                       | POW         |                       |

28a. Production - Interval B

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

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

ELECTRONIC SUBMISSION #252421 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

XB

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. Rate<br>→     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio            | Well Status |                   |

28c. Production - Interval D

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

29. Disposition of Gas (Sold, used for fuel, vented, etc.)  
NO MEASURABLE GAS

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 |
| ATOKA                | 11790 | 11801  | SAND, SHALE                  | DELAWARE MTN GRP | 5220        |
| 2ND BONE SPRING SAND | 9174  | 9194   | SAND, SHALE                  | BONE SPRING      | 6980        |
| 1ST BONE SPRING SAND | 8513  | 8539   | SAND, SHALE                  | 1ST BONE SPRING  | 8275        |
|                      |       |        |                              | 2ND BONE SPRING  | 9050        |
|                      |       |        |                              | 3RD BONE SPRING  | 9820        |
|                      |       |        |                              | WOLFCAMP         | 10420       |
|                      |       |        |                              | STRAWN           | 11250       |
|                      |       |        |                              | ATOKA SAND       | 11790       |

32. Additional remarks (include plugging procedure):

#52 Formation Markers: *Box 52 in WIS System Box 31 ON Comp. Report*  
 Salt 860'  
 Base Salt 2287'  
 Yates 2462'  
 7-Rivers 2857'  
 Capital Reef 3100'

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 #252421 Verified by the BLM Well Information System.  
 For LYNX PETROLEUM CONSULTANTS, IN, sent to the Carlsbad**

Name (please print) LARRY R SCOTT Title PRESIDENT

Signature \_\_\_\_\_ (Electronic Submission) Date 07/10/2014

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.

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