

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

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

5. Lease Serial No. **SF-076958**

6. If Indian Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

Other:

2. Name of Operator

Burlington Resources Oil & Gas Company

Farmington Field Office

8. Lease Name and Well No.

Hare 16N

3. Address

PO Box 4289, Farmington, NM 87499

3a. Phone No. (include area code)
(505) 326-9700

9. API Well No.

30-045-35286 - 2002

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

At surface

Unit G (SWNE), 1433' FNL & 2358' FEL

At top prod. Interval reported below

Same as above

At total depth

Same as above

14. Date Spudded
11/7/2014

15. Date T.D. Reached
11/19/2014

16. Date Completed **1/29/15 GRS**
☐ D & A ☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
5903' GL

18. Total Depth:
6836'

19. Plug Back T.D.:
6832'

20. Depth Bridge Plug Set: **MD**
TVD

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

GR/CCL/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 Depth | No. of Sk. & Type of Cement | Slurry Vol. (BBL) | Cement top* | Amount Pulled |
|-----------|--------------|-------------|----------|-------------|----------------------|-----------------------------|-------------------|-------------|---------------|
| 12-1/4" | 9 5/8", H-40 | 32.3# | 0 | 321' | n/a | 101sx Type I-II | 29 | 0 | 8 bbls |
| 8-3/4" | 7", J-55 | 20#-23# | 0 | 4255' | n/a | 591sx Prem. Lite | 214 | 0 | 15 bbls |
| 6-1/4" | 4 1/2", L-80 | 11.6# | 0 | 6834' | n/a | 210sx Prem. Lite | 76 | 3000' | 0 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

24. Tubing Record

| Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|--------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| 2-3/8" | 6771' | | | | | | | |

25. Producing Intervals

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|------------------|-------|--------|---------------------|------|-----------|--------------|
| A) Point Lookout | 4670' | 4956' | 4670'-4956' | .34" | 26 | open |
| B) Menefee | 4266' | 4530' | 4266'-4530' | .34" | 25 | open |
| C) | | | | | | |
| D) | | | | | | |
| | | | Total MV Holes | | 51 | |

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

| Depth Interval | Amount and Type of Material |
|----------------|---|
| 4670' - 4956' | Acid - 10bbls 15% HCL; Frac-889bbls 70Q N2 foam w/106,400# 20/40 AZ sand & 1252 mscf N2 |
| 4266' - 4530' | Acid - 10bbls 15% HCL; Frac-689bbls 70Q N2 foam w/48,633# 20/40 AZ sand & 1183 mscf N2 |
| | |

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 |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| GRS 1/29/2015 | | 1 | | trace | 60 | 0.9 | | | flowing |
| Choke Size | Tbg. Press. Flwg. | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio | Well Status | |
| 1/2" | SI 824 | 941 | | 1 | 1450 | 22.5 | | SI | |

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 |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|---------------------|
| | | | | | | | | | ACCEPTED FOR RECORD |
| Choke Size | Tbg. Press. Flwg. | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio | Well Status | |
| SI | | | | | | | | | FEB 03 2015 |

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

NMOCDA

FARMINGTON FIELD OFFICE
BY: William Tambekou

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 test, 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 |
| Ojo Alamo | 1102 | 1262 | White, cr-gr ss | Ojo Alamo | 1102 |
| Kirtland | 1263 | 1977 | Gry sh interbedded w/tight, gry, fine-gr ss. | Kirtland | 1263 |
| Fruitland | 1978 | 2351 | Dk gry-gry carb sh, coal, gm silts, light-med gry, tight, fine gr ss. | Fruitland | 1978 |
| Pictured Cliffs | 2352 | 2492 | Bn-Gry, fine grn, tight ss. | Pictured Cliffs | 2352 |
| Lewis | 2493 | 3355 | Shale w/ siltstone stringers | Lewis | 2493 |
| Huerfano Bentonite | not present | | White, waxy chalky bentonite | Huerfano Bentonite | not present |
| Chacara | 3356 | 3989 | Gry fn grn silty, glauconitic sd stone w/ drk gry shale | Chacara | 3356 |
| Mesa Verde | 3990 | 4101 | Light gry, med-fine gr ss, carb sh & coal | Mesa Verde | 3990 |
| Menefee | 4102 | 4667 | Med-dark gry, fine gr ss, carb sh & coal | Menefee | 4102 |
| Point Lookout | 4668 | 5040 | Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation | Point Lookout | 4668 |
| Mancos | 5041 | 5868 | Dark gry carb sh. | Mancos | 5041 |
| Gallup | 5869 | 6590 | Lt. gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg. interbed sh. | Gallup | 5869 |
| Greenhorn | 6591 | 6641 | Highly calc gry sh w/ thin lmst. | Greenhorn | 6591 |
| Graneros | 6642 | 6701 | Dk gry shale, fossil & carb w/ pyrite incl. | Graneros | 6642 |
| Dakota | 6702 | 6836 | Lt to dark gry foss carb sl calc slitty ss w/ pyrite incl thin sh bands cly Y shale breaks | Dakota | 6702 |
| Morrison | | | Interbed grn, brn & red waxy sh & fine to coard grn ss | Morrison | 0 |

32. Additional remarks (include plugging procedure):

This is a commingled MV/DK well being commingled per DHC 3647AZ

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)

Dollie L. Busse

Title

Staff Regulatory Technician

Signature

Date

2/5/2015

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.