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Farmington Field Office
Bureau of Land Management

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

# WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
N00C14205594

1a. Type of Well ☒Oil Well ☐Well ☐Dry ☐Other
b. Type of Completion ☒New Well ☐Work Over ☐Deepen ☐Plug Back ☐Diff. Zones ☐Hydraulic Fracturing
☐Other: _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
NMNM135217A

2. Name of Operator
**Enduring Resources IV LLC**

8. Lease Name and Well No.
N ESCAVADA UNIT #331H

3. Address
**200 Energy Court Farmington NM 87401**

3a. Phone No. *(Include area code)*
505-636-9743

9. API Well No.
**30-043-21298**

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

At surface

**SHL: 1594' FSL & 192' FWL, Sec 10, T22N, R7W**
**BHL: 2319' FNL & 1662' FEL, Sec 15 T22N, R7W**

At top prod. interval reported below At total depth

10. Field and Pool or Exploratory
ESCAVADA N,MANCOS

11. Sec., T., R., M., on Block and Survey or Area
**10 22N 7W**

12. County or Parish
**Sandoval**

13. State
**NM**

| 14. Date Spudded | 15. Date T.D. Reached | 16. Date Completed 2/6/19 | 17. Elevations (DF, RKB, RT, GL)* |
|---|---|---|---|
| 9/21/17 | 11/14/17 | ☐D & A ☒Ready to Prod. | 6860' |

| 18. Total Depth: | 19. Plug Back T.D.: | 20. Depth Bridge Plug Set: |
|---|---|---|
| **11025' MD** **4915' TVD** | **10973' MD** **4916' TVD** | MD TVD |

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 report)
Directional Survey? ☐No ☒Yes (Submit copy)

Form 3160-4
(June 2015)

UNITED STATES

CONFIDENTIAL

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 |
|---|---|---|---|---|---|---|---|---|---|
| 12-1/4" | 9-5/8", J-55 | 36 | 0 | **339' MD** | | 101 | 162 | surface | |
| 8-3/4" | 7", J-55 | 23 | 0 | **5608' MD** | | 945 | 1527 | surface | |
| 6-1/8" | 4-1/2", P-110 | 11.6 | 5454' | **11020' MD** | | 530 | 719 | TOL 5454' | |
| | | | | | | | | | |

24. Tubing Record

| Size | Dept Set (MD) | Packer Dept (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|---|---|---|---|---|---|---|---|---|
| 2-7/8",6.5#,L-80 EUE 8rd | 3902' | | | | | | | |

25. Producing Intervals / 26. Perforation Record

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|---|---|---|---|---|---|---|
| Mancos 30th | 5725' | 10950' | 5725'-5866' | .35 & .42 | | |
| Mancos 29th | | | 5905'-6046' | .35 & .42 | | |
| Mancos 28th | | | 6085'-6225' | .35 & .42 | | |
| Mancos 27th | | | 6265'-6403' | .35 & .42 | | |
| Mancos 26th | | | 6445'-6588' | .35 & .42 | | |
| Mancos 25th | | | 6621'-6766' | .35 & .42 | | |
| Mancos 24th | | | 6805'-6946' | .35 & .42 | | |
| Mancos 23rd | | | 6985'-7126' | .35 & .42 | | |
| Mancos 22nd | | | 7165'-7305' | .35 & .42 | | |
| Mancos 21st | | | 7345'-7485' | .35 & .42 | | |
| Mancos 20th | | | 7525'-7666' | .35 & .42 | | |
| Mancos 19th | | | 7705'-7846' | .35 & .42 | | |
| Mancos 18th | | | 7885'-8025' | .35 & .42 | | |
| Mancos 17th | | | 8065'-8205' | .35 & .42 | | |
| Mancos 16th | | | 8245'-8385' | .35 & .42 | | |
| Mancos 15th | | | 8423'-8566' | .35 & .42 | | |
| Mancos 14th | | | 8610'-8746' | .35 & .42 | | |
| Mancos 13th | | | 8785'-8926' | .35 & .42 | | |
| Mancos 12th | | | 8965'-9106' | .35 & .42 | | |

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NMOCD

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| | | | | | | |
|---|---|---|---|---|---|---|
| Mancos 11th | | | 9145'-9285' | .35 & .42 | | |
| Mancos 10th | | | 9325'-9466' | .35 & .42 | | |
| Mancos 9th | | | 9505'-9646' | .35 & .42 | | |
| Mancos 8th | | | 9685'-9826' | .35 & .42 | | |
| Mancos 7th | | | 9865'-10006' | .35 & .42 | | |
| Mancos 6th | | | 10045'-10185' | .35 & .42 | | |
| Mancos 5th | | | 10225'-10366' | .35 & .42 | | |
| Mancos 4th | | | 10405'-10547' | .35 & .42 | | |
| Mancos 3rd | | | 10582'-10725' | .35 & .42 | | |
| Mancos 2nd | | | 10765'-10905' | .35 & .42 | | |
| Mancos 1st | | | 10945'-10950' | .35 & .42 | | |

27. Acid, Fracture, Treatment, Cement Squeeze, Post hydraulic fracturing chemical disclosures on FracFocus.org

| Depth Interval | Amount, Type of Material and Date of Chemical Disclosure upload on FracFocus.org |
|---|---|
| 5725'-5866' | MC 30th stage with 323850#, 20/40 & 30/50 PSA Sand |
| 5905'-6046' | MC 29th stage with 323250#, 20/40 & 30/50 PSA Sand |
| 6085'-6225' | MC 28th stage with 326400#, 20/40 & 30/50 PSA Sand |
| 6265'-6403' | MC 27th stage with 328900#, 20/40 & 30/50 PSA Sand |
| 6445'-6588' | MC 26th stage with 327850#, 20/40 & 30/50 PSA Sand |
| 6621'-6766' | MC 25th stage with 328240#, 20/40 & 30/50 PSA Sand |
| 6805'-6946' | MC 24th stage with 326650#, 20/40 & 30/50 PSA Sand |
| 6985'-7126' | MC 23rd stage with 327720#, 20/40 & 30/50 PSA Sand |
| 7165'-7305' | MC 22nd stage with 326680#, 20/40 & 30/50 PSA Sand |
| 7345'-7485' | MC 21st stage with 328550#, 20/40 & 30/50 PSA Sand |
| 7525'-7666' | MC 20th stage with 327806#, 20/40 & 30/50 PSA Sand |
| 7705'-7846' | MC 19th stage with 326230#, 20/40 & 30/50 PSA Sand |
| 7885'-8025' | MC 18th stage with 326910#, 20/40 & 30/50 PSA Sand |
| 8065'-8205' | MC 17th stage with 327260#, 20/40 & 30/50 PSA Sand |
| 8245'-8385' | MC 16th stage with 327560#, 20/40 & 30/50 PSA Sand |
| 8423'-8566' | MC 15th stage with 327651#, 20/40 & 30/50 PSA Sand |
| 8610'-8746' | MC 14th stage with 328250#, 20/40 & 30/50 PSA Sand |
| 8785'-8926' | MC 13th stage with 326180#, 20/40 & 30/50 PSA Sand |
| 8965'-9106' | MC 12th stage with 326920#, 20/40 & 30/50 PSA Sand |
| 9145'-9285' | MC 11th stage with 337230#, 20/40 & 30/50 PSA Sand |
| 9325'-9466' | MC 10th stage with 326200#, 20/40 & 30/50 PSA Sand |
| 9505'-9646' | MC 9th stage with 326950#, 20/40 & 30/50 PSA Sand |
| 9685'-9826' | MC 8th stage with 327430#, 20/40 & 30/50 PSA Sand |
| 9865'-10006' | MC 7th stage with 327050#, 20/40 & 30/50 PSA Sand |
| 10045'-10185' | MC 6th stage with 327600#, 20/40 & 30/50 PSA Sand |
| 10225'-10366' | MC 5th stage with 328550#, 20/40 & 30/50 PSA Sand |
| 10405'-10547' | MC 4th stage with 331060#, 20/40 & 30/50 PSA Sand |
| 10582'-10725' | MC 3rd stage with 331060#, 20/40 & 30/50 PSA Sand |
| 10765'-10905' | MC 2nd stage with 329600#, 20/40 & 30/50 PSA Sand |
| 10945'-10950' | MC 1st stage with 241029# 20/40 & 30/50 PSA Sand |

28.Production - Interval A

| Date First Produced Will file on delivery sundry | Test Date | Hours Tested 24 hr | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API. | Gas Gravity | Production Method Flowing |
|---|---|---|---|---|---|---|---|---|---|
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate → | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio | Well Status Producing | |

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 | |

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

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 | |

28. Disposition of Gas *(Solid, used for fuel, vented, etc.)*

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, fl and shut-in pressures and recoveries.

31. Formation (Log) Markers

| Formation | Top | Bottom | Descriptions, Contents, etc. | Name | Top Meas. Depth |
|---|---|---|---|---|---|
| OJO ALAMO | 787 | 784 | | | |
| KIRTLAND | 1003 | 997 | | | |
| PICTURED CLIFFS | 1331 | 1316 | | | |
| LEWIS | 1426 | 1407 | | | |
| CHACRA | 1724 | 1693 | | | |
| CLIFF HOUSE | 2896 | 2791 | | | |
| MENEFEE | 2943 | 2836 | | | |
| POINT LOOKOUT | 3848 | 3698 | | | |
| MANCOS | 4009 | 3852 | | | |
| GALLUP | 4357 | 4186 | | | |
| | | | | | |

32. Additional remarks (include plugging procedure).

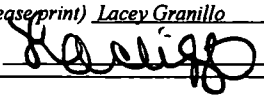
33. Indicate which items have been attached by placing a check in the appropriate boxes:

☐ 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)* Lacey Granillo Title Permit Specialist

Signature  Date 2/14/19