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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.
**NOG14031948**

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.
**NMNM-135216A**

2. Name of Operator
**WPX Energy Production, LLC**

8. Lease Name and Well No.
**W Lybrook Unit 719H**

3. Address
**PO Box 640 Aztec, NM 87410**

3a. Phone No. *(Include area code)*
505-333-1816

9. API Well No.
**30-045-35812**

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

At surface

**SHL: 1846' FSL & 640' FEL Sec 14 T23N R9W Unit: I**
**BHL: 336' FNL & 42' FWL Sec 14 T23N R9W Unit: D**

OIL CONS. DIV DIST. 3

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10. Field and Pool or Exploratory
**Lybrook Mancos W**

11. Sec., T., R., M., on Block and Survey or Area
**14 23N 9W**

12. County or Parish
**San Juan**

13. State
**NM**

At top prod. interval reported below At total depth

14. Date Spudded
4/14/17

15. Date T.D. Reached
9/16/17

16. Date Completed 11/18/17
☐D & A ☐Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
6719'

18. Total Depth: **10920' MD**
**4791' TVD**

19. Plug Back T.D.: **10868' MD**
**4791' TVD**

20. Depth Bridge Plug Set: 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 | 336' | | 101 | 162 | surface | |
| 8-3/4" | 7", CP-80 | 23 | 0 | 5497' | | 940 | 1499 | surface | |
| 6-1/8" | 4-1/2", P-110 | 11.6 | 5346' | 10916' | | 525 | 713 | 5346' | |
| | | | | | | | | | |

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 | 5333' | 5168' | | | | | | |

25. Producing Intervals / 26. Perforation Record

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|---|---|---|---|---|---|---|
| Mancos 27th | 5506' | 10846' | 5506'-5666' | .35 | 20 | |
| Mancos 26th | | | 5717'-5874' | .35 | 20 | |
| Mancos 25th | | | 5925'-6082' | .35 | 20 | |
| Mancos 24th | | | 6133'-6290' | .35 | 20 | |
| Mancos 23rd | | | 6341'-6498' | .35 | 20 | |
| Mancos 22nd | | | 6549'-6706' | .35 | 20 | |
| Mancos 21st | | | 6760'-6914' | .35 | 20 | |
| Mancos 20th | | | 6965'-7122' | .35 | 20 | |
| Mancos 19th | | | 7173'-7327' | .35 | 20 | |
| Mancos 18th | | | 7380'-7531' | .35 | 20 | |
| Mancos 17th | | | 7581'-7735' | .35 | 20 | |
| Mancos 16th | | | 7785'-7939' | .35 | 20 | |
| Mancos 15th | | | 7989'-8143' | .35 | 20 | |
| Mancos 14th | | | 8193'-8347' | .35 | 20 | |
| Mancos 13th | | | 8397'-8551' | .35 | 20 | |
| Mancos 12th | | | 8601'-8755' | .35 | 20 | |
| Mancos 11th | | | 8805'-8959' | .35 | 20 | |
| Mancos 10th | | | 9009'-9157' | .35 | 20 | |
| Mancos 9th | | | 9213'-9367' | .35 | 20 | |

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FARMINGTON FIELD OFFICE
BY:

NMOCD

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| | | | | | | |
|---|---|---|---|---|---|---|
| Mancos 8th | | | 9417'-9571' | .35 | 20 | |
| Mancos 7th | | | 9621'-9775' | .35 | 20 | |
| Mancos 6th | | | 9825'-9979' | .35 | 20 | |
| Mancos 5th | | | 10029'-10183' | .35 | 20 | |
| Mancos 4th | | | 10233'-10387' | .35 | 20 | |
| Mancos 3rd | | | 10437'-10591' | .35 | 20 | |
| Mancos 2nd | | | 10641'-10795' | .35 | 20 | |
| Mancos 1st | | | 10843'-10846' | .35 | 8 | |

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 |
|---|---|
| 5506'-5666' | 27th stage with 207000#, 20/40 PSA Sand |
| 5717'-5874' | 26th stage with 204700#, 20/40 PSA Sand |
| 5925'-6082' | 25th stage with 206000#, 20/40 PSA Sand |
| 6133'-6290' | 24th stage with 204000#, 20/40 PSA Sand |
| 6341'-6498' | 23rd stage with 206000#, 20/40 PSA Sand |
| 6549'-6706' | 22nd stage with 204800#, 20/40 PSA Sand |
| 6760'-6914' | 21st stage with 204200#, 20/40 PSA Sand |
| 6965'-7122' | 20th stage with 205100#, 20/40 PSA Sand |
| 7173'-7327' | 19th stage with 204900#, 20/40 PSA Sand |
| 7380'-7531' | 18th stage with 205000#, 20/40 PSA Sand |
| 7581'-7735' | 17th stage with 205000#, 20/40 PSA Sand |
| 7785'-7939' | 16th stage with 205000#, 20/40 PSA Sand |
| 7989'-8143' | 15th stage with 205000#, 20/40 PSA Sand |
| 8193'-8347' | 14th stage with 205600#, 20/40 PSA Sand |
| 8397'-8551' | 13th stage with 205000#, 20/40 PSA Sand |
| 8601'-8755' | 12th stage with 205000#, 20/40 PSA Sand |
| 8805'-8959' | 11th stage with 205000#, 20/40 PSA Sand |
| 9009'-9157' | 10th stage with 205300#, 20/40 PSA Sand |
| 9213'-9367' | 9th stage with 205900#, 20/40 PSA Sand |
| 9417'-9571' | 8th stage with 204700#, 20/40 PSA Sand |
| 9621'-9775' | 7th stage with 205000#, 20/40 PSA Sand |
| 9825'-9979' | 6th stage with 205800#, 20/40 PSA Sand |
| 10029'-10183' | 5th stage with 205000#, 20/40 PSA Sand |
| 10233'-10387' | 4th stage with 205000#, 20/40 PSA Sand |
| 10437'-10591' | 3rd stage with 205000#, 20/40 PSA Sand |
| 10641'-10795' | 2nd stage with 206000#, 20/40 PSA Sand |
| 10843'-10846' | 1st stage with 50000 # 20/40 PSA Sand |

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 |
|---|---|---|---|---|---|---|---|---|---|
| 11/16/17 | 11/16/17 | 24 hr | | 103 | 0 | 1420 | | | Flowing |
| **Choke Size** | **Tbg. Press. Flwg. SI** | **Csg. Press.** | **24 Hr. Rate →** | **Oil BBL** | **Gas MCF** | **Water BBL** | **Gas/Oil Ratio** | **Well Status** | |
| 64/64" | na | 711 | | | | | | PR | |

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 | 409 | 409 | | | |
| KIRTLAND | 559 | 559 | | | |
| PICTURED CLIFFS | 1061 | 1055 | | | |
| LEWIS | 1257 | 1244 | | | |
| CHACRA | 1481 | 1459 | | | |
| CLIFF HOUSE | 2650 | 2538 | | | |
| MENEFEE | 2688 | 2574 | | | |
| POINT LOOKOUT | 3655 | 3483 | | | |
| MANCOS | 3836 | 3650 | | | |
| GALLUP | 4206 | 3999 | | | |
| | | | | | |

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 Tech III

Signature Date 12/14/17