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Farmington Field Office
Bureau of Land Management

Form 3160-4 | UNITED STATES | (June 2015)

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.
NO-G-1312-1856

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 751H

3. Address
PO Box 640 Aztec, NM 87410

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

9. API Well No.
30-045-35806

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

At surface

SHL: 1980' FNL & 2471' FWL, Sec 13, T23N, R9W
BHL: 779' FSL & 335' FEL, Sec 19 T23N, R8W

At top prod. interval reported below At total depth

10. Field and Pool or Exploratory
Lybrook Mancos W

11. Sec., T., R., M., on Block and Survey or Area
13 23N 9W

12. County or Parish
San Juan

13. State
NM

14. Date Spudded	15. Date T.D. Reached	16. Date Completed 7/18/17	17. Elevations (DF, RKB, RT, GL)*
3/1/17	5/3/17	☐ D & A ☐ Ready to Prod.	6700'

18. Total Depth:	19. Plug Back T.D.:	20. Depth Bridge Plug Set:
16315' MD / **4794' TVD**	**16264' MD** / **4794' 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)

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	326'		101sx	162	surface	
8-3/4"	7", L-80	23, 26	0	5263'		1013sx	1719	Surface (includes sidetrack)	
6-1/8"	4-1/2", P-110	11.6	5109'	16311'		1040sx	1415	5109'	

OIL CONS. DIV DIST. 3
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24. Tubing Record

Size	Dept Set (MD)	Packer Dept (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8",4.7#,J-55 EUE 8rd	5287'	5062'						

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
Mancos 54th	5319'	16240'	5319'-5480'	.32	20	
Mancos 53rd			5525'-5681'	.32	20	
Mancos 52nd			5734'-5887'	.32	20	
Mancos 51st			5937'-6093'	.32	20	
Mancos 50th			6143'-6299'	.32	20	
Mancos 49th			6352'-6505'	.32	20	
Mancos 48th			6555'6711'	.32	20	
Mancos 47th			6761'-6917'	.32	20	
Mancos 46th			6971'-7123'	.32	20	
Mancos 45th			7173'-7329'	.32	20	
Mancos 44th			7379'-7535'	.32	20	
Mancos 43rd			7585'-7741'	.32	20	
Mancos 42nd			7791'-7947'	.32	20	
Mancos 41st			7997'-8150'	.32	20	
Mancos 40th			8203'-8359'	.32	20	
Mancos 39th			8409'-8565'	.32	20	
Mancos 38th			8615'-8771'	.32	20	
Mancos 37th			8821'-8977'	.32	20	
Mancos 36th			9027'-9183'	.32	20	

NMOCD

ACCEPTED FOR RECORD
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BY:

Mancos 35th			9233'-9389'	.32	20	
Mancos 34th			9439'-9595'	.32	20	
Mancos 33rd			9645'-9801'	.32	20	
Mancos 32nd			9851'-10007'	.32	20	
Mancos 31st			10057'-10213'	.32	20	
Mancos 30th			10263'-10419'	.32	20	
Mancos 29th			10469'-10625'	.32	20	
Mancos 28th			10675'-10831'	.32	20	
Mancos 27th			10881'-11033'	.32	20	
Mancos 26th			11087'-11243'	.32	20	
Mancos 25th			11293'-11445'	.32	20	
Mancos 24th			11499'-11652'	.32	20	
Mancos 23rd			11705'-11861'	.32	20	
Mancos 22nd			11911'-12067'	.32	20	
Mancos 21st			12117'-12273'	.32	20	
Mancos 20th			12323'-12479'	.32	20	
Mancos 19th			12529'-12685'	.32	20	
Mancos 18th			12737'-12891'	.32	20	
Mancos 17th			12941'-13097'	.32	20	
Mancos 16th			13147'-13303'	.32	20	
Mancos 15th			13353'-13509'	.32	20	
Mancos 14th			13559'-13715'	.32	20	
Mancos 13th			13765'-13917'	.32	20	
Mancos 12th			13971'-14127'	.32	20	
Mancos 11th			14177'-14333'	.32	20	
Mancos 10th			14383'-14542'	.32	20	
Mancos 9th			14589'-14745'	.32	20	
Mancos 8th			14795'-14951'	.32	20	
Mancos 7th			15001'-15157'	.32	20	
Mancos 6th			15207'-15363'	.32	20	
Mancos 5th			15413'-15569'	.32	20	
Mancos 4th			15619'-15775'	.32	20	
Mancos 3rd			15825'-15981'	.32	20	
Mancos 2nd			16031'-16187'	.32	20	
Mancos 1st			16237'-16240'	.32	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
5319'-5480'	54th stage with 202400#, 20/40 PSA Sand
5525'-5681'	53rd stage with 206900#, 20/40 PSA Sand
5734'-5887'	52nd stage with 203500#, 20/40 PSA Sand
5937'-6093'	51st stage with 202900#, 20/40 PSA Sand
6143'-6299'	50th stage with 203000#, 20/40 PSA Sand
6352'-6505'	49th stage with 205700#, 20/40 PSA Sand
6555'6711'	48th stage with 206000#, 20/40 PSA Sand
6761'-6917'	47th stage with 205500#, 20/40 PSA Sand
6971'-7123'	46th stage with 206200#, 20/40 PSA Sand
7173'-7329'	45th stage with 206100#, 20/40 PSA Sand
7379'-7535'	44th stage with 204000#, 20/40 PSA Sand
7585'-7741'	43rd stage with 205000#, 20/40 PSA Sand
7791'-7947'	42nd stage with 205000#, 20/40 PSA Sand
7997'-8150'	41st stage with 204500#, 20/40 PSA Sand
8203'-8359'	40th stage with 205500#, 20/40 PSA Sand
8409'-8565'	39th stage with 206000#, 20/40 PSA Sand
8615'-8771'	38th stage with 203000#, 20/40 PSA Sand
8821'-8977'	37th stage with 205000#, 20/40 PSA Sand
9027'-9183'	36th stage with 206500#, 20/40 PSA Sand
9233'-9389'	35th stage with 204500#, 20/40 PSA Sand
9439'-9595'	34th stage with 202000#, 20/40 PSA Sand
9645'-9801'	33rd stage with 206500#, 20/40 PSA Sand
9851'-10007'	32nd stage with 210000#, 20/40 PSA Sand
10057'-10213'	31st stage with 208000#, 20/40 PSA Sand

10263'-10419'	30th stage with 203000#, 20/40 PSA Sand
10469'-10625'	29th stage with 206000#, 20/40 PSA Sand
10675'-10831'	28th stage with 201000#, 20/40 PSA Sand
10881'-11033'	27th stage with 204900#, 20/40 PSA Sand
11087'-11243'	26th stage with 203500#, 20/40 PSA Sand
11293'-11445'	25th stage with 208000#, 20/40 PSA Sand
11499'-11652'	24th stage with 205700#, 20/40 PSA Sand
1705'-11861'	23rd stage with 205500#, 20/40 PSA Sand
11911'-12067'	22nd stage with 205000#, 20/40 PSA Sand
12117'-12273'	21st stage with 205900#, 20/40 PSA Sand
12323'-12479'	20th stage with 213300#, 20/40 PSA Sand
12529'-12685'	19th stage with 206308#, 20/40 PSA Sand
12737'-12891'	18th stage with 205500#, 20/40 PSA Sand
12941'-13097'	17th stage with 204700#, 20/40 PSA Sand
13147'-13303'	16th stage with 205400#, 20/40 PSA Sand
13353'-13509'	15th stage with 205600#, 20/40 PSA Sand
13559'-13715'	14th stage with 206100#, 20/40 PSA Sand
13765'-13917'	13th stage with 206600#, 20/40 PSA Sand
13971'-14127'	12th stage with 205500#, 20/40 PSA Sand
14177'-14333'	11th stage with 206600#, 20/40 PSA Sand
14383'-14542'	10th stage with 205800#, 20/40 PSA Sand
14589'-14745'	9th stage with 204820#, 20/40 PSA Sand
14795'-14951'	8th stage with 205500#, 20/40 PSA Sand
15001'-15157'	7th stage with 207000#, 20/40 PSA Sand
15207'-15363'	6th stage with 206000#, 20/40 PSA Sand
15413'-15569'	5th stage with 203600#, 20/40 PSA Sand
15619'-15775'	4th stage with 206300#, 20/40 PSA Sand
15825'-15981'	3rd stage with 207500#, 20/40 PSA Sand
16031'-16187'	2nd stage with 209700#, 20/40 PSA Sand
16237'-16240'	1st stage with 51920 # 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
7/17/17	7/17/17	24 hr	→	0	262	1073			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"	584	na	→					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	449	449			
KIRTLAND	611	611			
PICTURED CLIFFS	1085	1084			
LEWIS	1277	1275			
CHACRA	1498	1494			
CLIFF HOUSE	2627	2581			
MENEFEE	2647	2601			
POINT LOOKOUT	3591	3508			
MANCOS	3794	3705			
GALLUP	4148	4056			

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)* Marie E. Jaramillo Title Permit Tech III

Signature Date 8/4/17