

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

FEB 12 2019

FORM APPROVED

OMB NO. 1004-

0137

Expires: January 31, 2018

5. Lease Serial No.

N00C14205594

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
NMNM135217A

8. Lease Name and Well No.
N ESCAVADA UNIT #330H

9. API Well No.
30-043-21299

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

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: _____

2. Name of Operator
Enduring Resources IV LLC

3. Address
200 Energy Court Farmington NM 87401

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

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

At surface

SHL: 1587' FSL & 231' FWL, Sec 10, T22N, R7W
BHL: 2327' FNL & 51' FWL, Sec 14 T22N, R7W

At top prod. interval reported below At total depth

14. Date Spudded
9/19/17

15. Date T.D. Reached
11/8/17

16. Date Completed 1/19/19
☐ D & A ☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
6860'

18. Total Depth: 12088' MD
4943' TVD

19. Plug Back T.D.: 12036' MD
4947' 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

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23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#ft.)	Top (MD)	Bottom (MD)	Stage Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top	Amount Pulled
12-1/4"	9-5/8", J-55	36	0	326' MD		101	162	surface	
8-3/4"	7", L-80	23	0	5566' MD		950	1538	surface	
6-1/8"	4-1/2", P-110	11.6	5416'	12083' MD		620	842	TOL 5416'	

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	4232'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
Mancos 13th	5730'	11968'	5730'-6028'	.42		
Mancos 12th			6067'-6523'	.42		
Mancos 11th			6562'-7018'	.42		
Mancos 10th			7057'-7513'	.42		
Mancos 9th			7552'-8008'	.42		
Mancos 8th			8047'-8503'	.42		
Mancos 7th			8542'-8998'	.42		
Mancos 6th			9037'-9493'	.42		
Mancos 5th			9532'-9988'	.42		
Mancos 4th			10027'-10483'	.42		
Mancos 3rd			10522'-10978'	.42		
Mancos 2nd			11017'-11473'	.42		
Mancos 1st			11512'-11968'	.42		

NMOCD

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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
5730'-6028'	MC 13 th stage with 653110#, 20/40 & 30/50 PSA Sand
6067'-6523'	MC 12 th stage with 983840#, 20/40 & 30/50 PSA Sand
6562'-7018'	MC 11 th stage with 979850#, 20/40 & 30/50 PSA Sand
7057'-7513'	MC 10 th stage with 994854#, 20/40 & 30/50 PSA Sand
7552'-8008'	MC 9 th stage with 980620#, 20/40 & 30/50 PSA Sand
8047'-8503'	MC 8 th stage with 980350#, 20/40 & 30/50 PSA Sand
8542'-8998'	MC 7 th stage with 979740#, 20/40 & 30/50 PSA Sand
9037'-9493'	MC 6 th stage with 986850#, 20/40 & 30/50 PSA Sand
9532'-9988'	MC 5 th stage with 980990#, 20/40 & 30/50 PSA Sand
10027'-10483'	MC 4 th stage with 985350#, 20/40 & 30/50 PSA Sand
10522'-10978'	MC 3 rd stage with 985566#, 20/40 & 30/50 PSA Sand
11017'-11473'	MC 2 nd stage with 890900#, 20/40 & 30/50 PSA Sand
11512'-11968'	MC 1 st stage with 989000# 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
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OJO ALAMO	797	794			
KIRTLAND	976	971			
PICTURED CLIFFS	1345	1329			
LEWIS	1432	1412			
CHACRA	1743	1710			
CLIFF HOUSE	2899	2810			
MENEFEE	2940	2850			
POINT LOOKOUT	3850	3713			
MANCOS	4014	3868			
GALLUP	4371	4213			

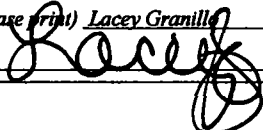
32. Additional remarks (include plugging procedure).

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 2/12/19