

RECEIVED

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

Farmington Field Office
Bureau of Land Management

5. Lease Serial No.

N0G13121793

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.
NMNM135217A2. Name of Operator
Enduring Resources IV LLC8. Lease Name and Well No.
N ESCAVADA UNIT #318H3. Address
200 Energy Court Farmington NM 874013a. Phone No. (Include area code)
505-636-97439. API Well No.
30-043-21301

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

10. Field and Pool or Exploratory
ESCAVADA N, MANCOS

At surface

SHL: 268' FSL & 1548' FEL Sec 09 T22N R7W
SHL: 346' FSL & 2279' FEL Sec 05 T22N R7W11. Sec., T., R., M., on Block and
Survey or Area
9 22N 7W12. County or Parish
Sandoval13. State
NM

At top prod. interval reported below At total depth

14. Date Spudded
9/26/1815. Date T.D. Reached
11/28/1716. Date Completed 1/26/19
☐ D & A ☒ Ready to Prod.17. Elevations (DF, RKB, RT, GL)*
6864'18. Total Depth: 12922' MD
4944' TVD19. Plug Back T.D.: 12873' MD
4943' TVD20. 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	334' MD		101	162	surface	
8-3/4"	7", J-55	23	0	5434' MD		915	1471	surface	
6-1/8"	4-1/2", P-110	11.6	5274'	12921' MD		720	977	TOL 5274'	

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	4231'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
MC 44 th	5555'	12849'	5555'-5718'	.35	42	
MC 42 nd -43 rd			5757'-6056'	.35	42	
MC 40 th -41 st			6095'-6393'	.35	42	
MC 38 th -39 th			6432'-6731'	.35	42	
MC 36 th -37 th			6770'-7068'	.35	42	
MC 34 th -35 th			7107'-7406'	.35	42	
MC 32 nd -33 rd			7445'-7743'	.35	42	
MC 30 th -31 st			7782'-8081'	.35	42	
MC 28 th -29 th			8120'-8418'	.35	42	
MC 26 th -27 th			8457'-8756'	.35	42	
MC 24 th -25 th			8795'-9093'	.35	42	
MC 22 nd -23 rd			9132'-9431'	.35	42	
MC 20 th -21 st			9470'-9768'	.35	42	
MC 18 th -19 th			9807'-10106'	.35	42	
MC 16 th -17 th			10145'-10443'	.35	42	
MC 14 th -15 th			10482'-10781'	.35	42	
MC 12 th -13 th			10820'-11118'	.35	42	
MC 10 th -11 th			11157'-11456'	.35	42	
MC 8 th -9 th			11495'-11793'	.35	42	

ACCEPTED FOR RECORD

FEB 06 2019

FARMINGTON FIELD OFFICE

By: _____

NMOC

FEB 08 2019

DISTRICT III

FV

NMOC

3

MC 6 th -7 th			11832'-12131'	.35	42	
MC 4 th -5 th			12170'-12468'	.35	42	
MC 2 nd -3 rd			12507'-12806'	.35	42	
MC 1 st			12845'-12849'	.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
5555'-5718'	MC 44 th stage with 326650#, 30/50 & 20/40 PSA Sand
5757'-6056'	MC 42 nd -43 rd stage with 658691#, 30/50 & 20/40 PSA Sand
6095'-6393'	MC 40 th -41 st stage with 651980#, 30/50 & 20/40 PSA Sand
6432'-6731'	MC 38 th -39 th stage with 654900#, 30/50 & 20/40 PSA Sand
6770'-7068'	MC 36 th -37 th stage with 649570#, 30/50 & 20/40 PSA Sand
7107'-7406'	MC 34 th -35 th stage with 648160#, 30/50 & 20/40 PSA Sand
7445'-7743'	MC 32 nd -33 rd stage with 653280#, 30/50 & 20/40 PSA Sand
7782'-8081'	MC 30 th -31 st stage with 654462#, 30/50 & 20/40 PSA Sand
8120'-8418'	MC 28 th -29 th stage with 659156#, 30/50 & 20/40 PSA Sand
8457'-8756'	MC 26 th -27 th stage with 654650#, 30/50 & 20/40 PSA Sand
8795'-9093'	MC 24 th -25 th stage with 647559#, 30/50 & 20/40 PSA Sand
9132'-9431'	MC 22 nd -23 rd stage with 663692#, 30/50 & 20/40 PSA Sand
9470'-9768'	MC 20 th -21 st stage with 656468#, 30/50 & 20/40 PSA Sand
9807'-10106'	MC 18 th -19 th stage with 657780#, 30/50 & 20/40 PSA Sand
10145'-10443'	MC 16 th -17 th stage with 647933#, 30/50 & 20/40 PSA Sand
10482'-10781'	MC 14 th -15 th stage with 661220#, 30/50 & 20/40 PSA Sand
10820'-11118'	MC 12 th -13 th stage with 656775#, 30/50 & 20/40 PSA Sand
11157'-11456'	MC 10 th -11 th stage with 648123#, 30/50 & 20/40 PSA Sand
11495'-11793'	MC 8 th -9 th stage with 628830#, 30/50 & 20/40 PSA Sand
11832'-12131'	MC 6 th -7 th stage with 653976#, 30/50 & 20/40 PSA Sand
12170'-12468'	MC 4 th -5 th stage with 654250#, 30/50 & 20/40 PSA Sand
12507'-12806'	MC 2 nd -3 rd stage with 655850#, 30/50 & 20/40 PSA Sand
12845'-12849'	MC 1 st stage with 235630# 30/50 & 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
Will file on delivery sundry		24 hr	→						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	764	763			
KIRTLAND	967	963			
PICTURED CLIFFS	1295	1288			
LEWIS	1397	1389			
CHACRA	1685	1675			
CLIFF HOUSE	2791	2770			
MENEFEE	2816	2795			
POINT LOOKOUT	3691	3664			
MANCOS	3849	3821			
GALLUP	4187	4157			

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 GranilloTitle Permit SpecialistSignature Date 2-4-19