

RECEIVED

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FEB 12 2019

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.
NOOC14205594

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 #315H

3. Address
200 Energy Court Farmington NM 87401

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

9. API Well No.
30-043-21888

4. Location of Well (Report location clearly and in accordance with Federal requirements) *
At surface
SHL: 1583' FSL & 250' FWL, Sec 10, T22N, R7W
BHL: 2301' FSL & 562' FWL, Sec 4 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 9/18/17 15. Date T.D. Reached 11/4/17 16. Date Completed 2/1/19
 D & A Ready to Prod. 17. Elevations (DF, RKB, RT, GL)* 6860'

18. Total Depth: 13308' MD 5000' TVD 19. Plug Back T.D.: 13258' MD 5000' 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 Cemen-ter 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", IP-80, J-55	23	0	5623' MD		885	1427	surface	
6-1/8"	4-1/2", P-110	11.6	5474'	13308' MD		740	358	TOL 5474'	

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	4269'							

ACCEPTED FOR RECORD

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
Mancos 42 nd	5717'	13213'	5717'-5858'			
Mancos 41 st			5897'-6038'			
Mancos 40 th			6077'-6218'			
Mancos 39 th			6257'-6398'			
Mancos 38 th			6437'-6578'			
Mancos 37 th			6617'-6758'			
Mancos 36 th			6797'-6938'			
Mancos 35 th			6977'-7118'			
Mancos 34 th			7157'-7298'			
Mancos 33 rd			7337'-7478'			
Mancos 32 nd			7517'-7658'	.35	20	
Mancos 31 st			7697'-7838'	.35	20	
Mancos 30 th			7877'-8018'	.35	20	
Mancos 29 th			8057'-8198'	.35	20	
Mancos 28 th			8237'-8378'	.35	20	
Mancos 27 th			8417'-8558'	.35	20	
Mancos 26 th			8597'-8738'	.35	20	
Mancos 25 th			8777'-8918'	.35	20	
Mancos 24 th			8957'-9098'	.35	20	

FARMINGTON FIELD OFFICE
By: _____

NMOCD

FEB 21 2019

DISTRICT III

NMOCD

AY

4

Mancos 23 rd		9137'-9278'	.35	20
Mancos 22 nd		9317'-9458'	.35	20
Mancos 21 st		9497'-9638'	.35	20
Mancos 20 th		9677'-9818'	.35	20
Mancos 19 th		9857'-9998'	.35	20
Mancos 18 th		10037'-10178'	.35	20
Mancos 17 th		10217'-10358'	.35	20
Mancos 16 th		10397'-10538'	.35	20
Mancos 15 th		10577'-10718'	.35	20
Mancos 14 th		10757'-10898'	.35	20
Mancos 13 th		10937'-11078'	.35	20
Mancos 12 th		11117'-11258'	.35	20
Mancos 11 th		11297'-11438'	.35	20
Mancos 10 th		11477'-11618'	.35	20
Mancos 9 th		11657'-11798'	.35	20
Mancos 8 th		11837'-11978'	.35	20
Mancos 7 th		12017'-12158'	.35	20
Mancos 6 th		12197'-12338'	.35	20
Mancos 5 th		12377'-12518'	.35	20
Mancos 4 th		12557'-12698'	.35	20
Mancos 3 rd		12737'-12878'	.35	20
Mancos 2 nd		12917'-13058'	.35	20
Mancos 1 st		13097'-13213'	.35	20

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
5717'-5858'	MC 42 nd stage with 327870#, 20/40 & 16/30 PSA Sand
5897'-6038'	MC 41 st stage with 328200#, 20/40 & 16/30 PSA Sand
6077'-6218'	MC 40 th stage with 327400#, 20/40 & 16/30 PSA Sand
6257'-6398'	MC 39 th stage with 327150#, 20/40 & 16/30 PSA Sand
6437'-6578'	MC 38 th stage with 327000#, 20/40 & 16/30 PSA Sand
6617'-6758'	MC 37 th stage with 327230#, 20/40 & 16/30 PSA Sand
6797'-6938'	MC 36 th stage with 326760#, 20/40 & 16/30 PSA Sand
6977'-7118'	MC 35 th stage with 327550#, 20/40 & 16/30 PSA Sand
7157'-7298'	MC 34 th stage with 328000#, 20/40 & 16/30 PSA Sand
7337'-7478'	MC 33 rd stage with 326650#, 20/40 & 16/30 PSA Sand
7517'-7658'	MC 32 nd stage with 327800#, 20/40 & 16/30 PSA Sand
7697'-7838'	MC 31 st stage with 326800#, 20/40 & 16/30 PSA Sand
7877'-8018'	MC 30 th stage with 327040#, 20/40 & 16/30 PSA Sand
8057'-8198'	MC 29 th stage with 329580#, 20/40 & 16/30 PSA Sand
8237'-8378'	MC 28 th stage with 327600#, 20/40 & 16/30 PSA Sand
8417'-8558'	MC 27 th stage with 327000#, 20/40 & 16/30 PSA Sand
8597'-8738'	MC 26 th stage with 327400#, 20/40 & 16/30 PSA Sand
8777'-8918'	MC 25 th stage with 326700#, 20/40 & 16/30 PSA Sand
8957'-9098'	MC 24 th stage with 327500#, 20/40 & 16/30 PSA Sand
9137'-9278'	MC 23 rd stage with 327800#, 20/40 & 16/30 PSA Sand
9317'-9458'	MC 22 nd stage with 327700#, 20/40 & 16/30 PSA Sand
9497'-9638'	MC 21 st stage with 328600#, 20/40 & 16/30 PSA Sand
9677'-9818'	MC 20 th stage with 327150#, 20/40 & 16/30 PSA Sand
9857'-9998'	MC 19 th stage with 327400#, 20/40 & 16/30 PSA Sand
10037'-10178'	MC 18 th stage with 327400#, 20/40 & 16/30 PSA Sand
10217'-10358'	MC 17 th stage with 327700#, 20/40 & 16/30 PSA Sand
10397'-10538'	MC 16 th stage with 327900#, 20/40 & 16/30 PSA Sand
10577'-10718'	MC 15 th stage with 327350#, 20/40 & 16/30 PSA Sand
10757'-10898'	MC 14 th stage with 326950#, 20/40 & 16/30 PSA Sand
10937'-11078'	MC 13 th stage with 327000#, 20/40 & 16/30 PSA Sand
11117'-11258'	MC 12 th stage with 327000#, 20/40 & 16/30 PSA Sand
11297'-11438'	MC 11 th stage with 328210#, 20/40 & 16/30 PSA Sand
11477'-11618'	MC 10 th stage with 326550#, 20/40 & 16/30 PSA Sand
11657'-11798'	MC 9 th stage with 327090#, 20/40 & 16/30 PSA Sand
11837'-11978'	MC 8 th stage with 327150#, 20/40 & 16/30 PSA Sand
12017'-12158'	MC 7 th stage with 327550#, 20/40 & 16/30 PSA Sand
12197'-12338'	MC 6 th stage with 326750#, 20/40 & 16/30 PSA Sand

12377'-12518'	MC 5 th stage with 327260#, 20/40 & 16/30 PSA Sand
12557'-12698'	MC 4 th stage with 328240#, 20/40 & 16/30 PSA Sand
12737'-12878'	MC 3 rd stage with 327500#, 20/40 & 16/30 PSA Sand
12917'-13058'	MC 2 nd stage with 328400#, 20/40 & 16/30 PSA Sand
13097'-13213'	MC 1 st stage with 327360# 20/40 & 16/30 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	786	786			
KIRTLAND	993	992			
PICTURED CLIFFS	1324	1315			
LEWIS	1415	1402			
CHACRA	1728	1698			
CLIFF HOUSE	2897	2804			
MENEFEE	2937	2842			
POINT LOOKOUT	3854	3710			
MANCOS	4020	3868			
GALLUP	4367	4204			

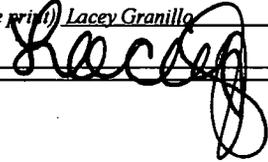
32. Additional remarks (include plugging procedure).

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