

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

MAR 14 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

Lease Serial No.  
N00C14205594

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 #316H

3. Address  
200 Energy Court Farmington NM 87401

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

9. API Well No.  
30-043-21300

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

10. Field and Pool or Exploratory  
ESCAVADA N, MANCOS

At surface

Amended

SHL: 1590' FSL & 211' FWL, Sec 10, T22N, R7W  
BHL: 2306' FSL & 1040' FEL, Sec 5 T22N, R7W

11. Sec., T., R., M., on Block and  
Survey or Area  
10 22N 7W

12. County or Parish  
Sandoval

13. State  
NM

At top prod. interval reported below At total depth

14. Date Spudded  
9/20/17

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

16. Date Completed 1/31/19  
☐ D & A ☒ Ready to Prod.

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

18. Total Depth: 14580' MD  
5010 TVD

19. Plug Back T.D.: 14530' MD  
5010' 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)

0300NN

UNITED STATES

Dave Mankiewicz

4/5/19

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	9-5/8", J-55	36	0	329' MD		101	162	surface	
8-3/4"	7", J-55	23	0	5583' MD		940	1516	surface	
6-1/8"	4-1/2", P-110	11.6	5421'	14577' MD		860	1168	TOL 5421'	

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	4249'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
Mancos 50 <sup>th</sup>	5683'	14508'	5683'-5824'	.35	20	
Mancos 49 <sup>th</sup>			5863'-6004'	.35	20	
Mancos 48 <sup>th</sup>			6043'-6184'	.35	20	
Mancos 47 <sup>th</sup>			6223'-6364'	.35	20	
Mancos 46 <sup>th</sup>			6403'-6544'	.35	20	
Mancos 45 <sup>th</sup>			6583'-6724'	.35	20	
Mancos 44 <sup>th</sup>			6767'-6904'	.35	20	
Mancos 43 <sup>rd</sup>			6943'-7084'	.35	20	
Mancos 42 <sup>nd</sup>			7123'-7264'	.35	20	
Mancos 41 <sup>th</sup>			7303'-7444'	.35	20	
Mancos 40 <sup>th</sup>			7483'-7624'	.35	20	
Mancos 39 <sup>th</sup>			7663'-7804'	.35	20	
Mancos 38 <sup>th</sup>			7843'-7984'	.35	20	
Mancos 37 <sup>th</sup>			8023'-8164'	.35	20	
Mancos 36 <sup>th</sup>			8203'-8344'	.35	20	
Mancos 35 <sup>th</sup>			8383'-8524'	.35	20	
Mancos 34 <sup>th</sup>			8563'-8704'	.35	20	
Mancos 33 <sup>rd</sup>			8743'-8884'	.35	20	
Mancos 32 <sup>nd</sup>			8923'-9064'	.35	20	

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Mancos 31 <sup>st</sup>		9103'-9244'	.35	20	
Mancos 30th		9286'-9424'	.35	20	
Mancos 29th		9463'-9604'	.35	20	
Mancos 28th		9643'-9784'	.35	20	
Mancos 27th		9823'-9964'	.35	20	
Mancos 26th		10003'-10144'	.35	20	
Mancos 25th		10183'-10324'	.35	20	
Mancos 24th		10363'-10504'	.35	20	
Mancos 23 <sup>rd</sup>		10543'-10684'	.35	20	
Mancos 22 <sup>nd</sup>		10723'-10864'	.35	20	
Mancos 21 <sup>st</sup>		10903'-11044'	.35	20	
Mancos 20th		11083'-11224'	.35	20	
Mancos 19th		11263'-11404'	.35	20	
Mancos 18th		11443'-11584'	.35	20	
Mancos 17th		11623'-11764'	.35	20	
Mancos 16th		11803'-11944'	.35	20	
Mancos 15th		11983'-12124'	.35	20	
Mancos 14th		12163'-12304'	.35	20	
Mancos 13th		12343'-12484'	.35	20	
Mancos 12th		12523'-12664'	.35	20	
Mancos 11th		12703'-12844'	.35	20	
Mancos 10th		12883'-13024'	.35	20	
Mancos 9 <sup>th</sup>		13063'-13204'	.35	20	
Mancos 8 <sup>th</sup>		13243'-13384'	.35	20	
Mancos 7 <sup>th</sup>		13423'-13564'	.35	20	
Mancos 6 <sup>th</sup>		13603'-13744'	.35	20	
Mancos 5 <sup>th</sup>		13783'-13924'	.35	20	
Mancos 4 <sup>th</sup>		13963'-14104'	.35	20	
Mancos 3 <sup>rd</sup>		14143'-14284'	.35	20	
Mancos 2 <sup>nd</sup>		14323'-14464'	.35	20	
Mancos 1 <sup>st</sup>		14503'-14508'	.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
5683'-5824'	MC 50 <sup>th</sup> stage with 328900#, 20/40 PSA Sand
5863'-6004'	MC 49 <sup>th</sup> stage with 327800#, 20/40 PSA Sand
6043'-6184'	MC 48 <sup>th</sup> stage with 329550#, 20/40 PSA Sand
6223'-6364'	MC 47 <sup>th</sup> stage with 328230#, 20/40 PSA Sand
6403'-6544'	MC 46 <sup>th</sup> stage with 327450#, 20/40 PSA Sand
6583'-6724'	MC 45 <sup>th</sup> stage with 327370#, 20/40 PSA Sand
6767'-6904'	MC 44 <sup>th</sup> stage with 327150#, 20/40 PSA Sand
6943'-7084'	MC 43 <sup>rd</sup> stage with 329450#, 20/40 PSA Sand
7123'-7264'	MC 42 <sup>nd</sup> stage with 328350#, 20/40 PSA Sand
7303'-7444'	MC 41 <sup>st</sup> stage with 328100#, 20/40 PSA Sand
7483'-7624'	MC 40 <sup>th</sup> stage with 329600#, 20/40 PSA Sand
7663'-7804'	MC 39 <sup>th</sup> stage with 329500#, 20/40 PSA Sand
7843'-7984'	MC 38 <sup>th</sup> stage with 330200#, 20/40 PSA Sand
8023'-8164'	MC 37 <sup>th</sup> stage with 327900#, 20/40 PSA Sand
8203'-8344'	MC 36 <sup>th</sup> stage with 320470#, 20/40 PSA Sand
8383'-8524'	MC 35 <sup>th</sup> stage with 326500#, 20/40 PSA Sand
8563'-8704'	MC 34 <sup>th</sup> stage with 326100#, 20/40 PSA Sand
8743'-8884'	MC 33 <sup>rd</sup> stage with 330200#, 20/40 PSA Sand
8923'-9064'	MC 32 <sup>nd</sup> stage with 324850#, 20/40 PSA Sand
9103'-9244'	MC 31 <sup>st</sup> stage with 328500#, 20/40 PSA Sand
9286'-9424'	MC 30 <sup>th</sup> stage with 327200#, 20/40 PSA Sand
9463'-9604'	MC 29 <sup>th</sup> stage with 329000#, 20/40 PSA Sand
9643'-9784'	MC 28 <sup>th</sup> stage with 327500#, 20/40 PSA Sand
9823'-9964'	MC 27 <sup>th</sup> stage with 327700#, 20/40 PSA Sand
10003'-10144'	MC 26 <sup>th</sup> stage with 328000#, 20/40 PSA Sand
10183'-10324'	MC 25 <sup>th</sup> stage with 328200#, 20/40 PSA Sand
10363'-10504'	MC 24 <sup>th</sup> stage with 328050#, 20/40 PSA Sand
10543'-10684'	MC 23 <sup>rd</sup> stage with 328000#, 20/40 PSA Sand

10723'-10864'	MC 22 <sup>nd</sup> stage with 328100#, 20/40 PSA Sand
10903'-11044'	MC 21 <sup>st</sup> stage with 327200#, 20/40 PSA Sand
11083'-11224'	MC 20 <sup>th</sup> stage with 325000#, 20/40 PSA Sand
11263'-11404'	MC 19 <sup>th</sup> stage with 325520#, 20/40 PSA Sand
11443'-11584'	MC 18 <sup>th</sup> stage with 326100#, 20/40 PSA Sand
11623'-11764'	MC 17 <sup>th</sup> stage with 327100#, 20/40 PSA Sand
11803'-11944'	MC 16 <sup>th</sup> stage with 327400#, 20/40 PSA Sand
11983'-12124'	MC 15 <sup>th</sup> stage with 327250#, 20/40 PSA Sand
12163'-12304'	MC 14 <sup>th</sup> stage with 327020#, 20/40 PSA Sand
12343'-12484'	MC 13 <sup>th</sup> stage with 327850#, 20/40 PSA Sand
12523'-12664'	MC 12 <sup>th</sup> stage with 327500#, 20/40 PSA Sand
12703'-12844'	MC 11 <sup>th</sup> stage with 327350#, 20/40 PSA Sand
12883'-13024'	MC 10 <sup>th</sup> stage with 326350#, 20/40 PSA Sand
13063'-13204'	MC 9 <sup>th</sup> stage with 326300#, 20/40 PSA Sand
13243'-13384'	MC 8 <sup>th</sup> stage with 327800#, 20/40 PSA Sand
13423'-13564'	MC 7 <sup>th</sup> stage with 328050#, 20/40 PSA Sand
13603'-13744'	MC 6 <sup>th</sup> stage with 326590#, 20/40 PSA Sand
13783'-13924'	MC 5 <sup>th</sup> stage with 326270#, 20/40 PSA Sand
13963'-14104'	MC 4 <sup>th</sup> stage with 327300#, 20/40 PSA Sand
14143'-14284'	MC 3 <sup>rd</sup> stage with 327000#, 20/40 PSA Sand
14323'-14464'	MC 2 <sup>nd</sup> stage with 327500#, 20/40 PSA Sand
14503'-14508'	MC 1 <sup>st</sup> stage with 237580# 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	791	790			
KIRTLAND	1004	1000			
PICTURED CLIFFS	1331	1317			
LEWIS	1418	1399			
CHACRA	1722	1688			
CLIFF HOUSE	2877	2785			
MENEFEE	2918	2824			
POINT LOOKOUT	3828	3690			
MANCOS	3992	3847			
GALLUP	4333	4181			

## 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 3/14/19



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.  
N00C14205594

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.  
NMNM135217A8. Lease Name and Well No.  
N ESCAVADA UNIT #316H9. API Well No.  
30-043-2130010. Field and Pool or Exploratory  
ESCAVADA N, MANCOS11. Sec., T., R., M., on Block and  
Survey or Area  
10 22N 7W12. County or Parish  
Sandoval13. State  
NM1a. 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 LLC3. Address  
200 Energy Court Farmington NM 874013a. Phone No. (Include area code)  
505-636-9743

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

At surface

SHL: 1590' FSL &amp; 211' FWL, Sec 10, T22N, R7W

BHL: 2306' FSL &amp; 1040' FEL, Sec 5 T22N, R7W

At top prod. interval reported below At total depth

14. Date Spudded  
9/20/1715. Date T.D. Reached  
11/11/1716. Date Completed 1/31/19  
☐ D & A ☒ Ready to Prod.17. Elevations (DF, RKB, RT, GL)\*  
6860'18. Total Depth: 14580' MD  
5010 TVD19. Plug Back T.D.: 14530' MD  
5010' TVD20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric &amp; 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

NMOC

FEB 21 2019

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	329' MD		101	162	surface	
8-3/4"	7", J-55	23	0	5583' MD		940	1516	surface	
6-1/8"	4-1/2", P-110	11.6	5421'	14577' MD		860	1168	TOL 5421'	

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	4045'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
Mancos 50 <sup>th</sup>	5683'	14508'	5683'-5824'	.35	20	
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Mancos 46 <sup>th</sup>			6403'-6544'	.35	20	
Mancos 45 <sup>th</sup>			6583'-6724'	.35	20	
Mancos 44 <sup>th</sup>			6767'-6904'	.35	20	
Mancos 43 <sup>rd</sup>			6943'-7084'	.35	20	
Mancos 42 <sup>nd</sup>			7123'-7264'	.35	20	
Mancos 41 <sup>th</sup>			7303'-7444'	.35	20	
Mancos 40 <sup>th</sup>			7483'-7624'	.35	20	
Mancos 39 <sup>th</sup>			7663'-7804'	.35	20	
Mancos 38 <sup>th</sup>			7843'-7984'	.35	20	
Mancos 37 <sup>th</sup>			8023'-8164'	.35	20	
Mancos 36 <sup>th</sup>			8203'-8344'	.35	20	
Mancos 35 <sup>th</sup>			8383'-8524'	.35	20	
Mancos 34 <sup>th</sup>			8563'-8704'	.35	20	
Mancos 33 <sup>rd</sup>			8743'-8884'	.35	20	
Mancos 32 <sup>nd</sup>			8923'-9064'	.35	20	

ACCEPTED FOR RECORD

FEB 20 2019  
FARMINGTON FIELD OFFICE  
By: \_\_\_\_\_

NMOC

Mancos 31 <sup>st</sup>		9103'-9244'	.35	20	
Mancos 30 <sup>th</sup>		9286'-9424'	.35	20	
Mancos 29 <sup>th</sup>		9463'-9604'	.35	20	
Mancos 28 <sup>th</sup>		9643'-9784'	.35	20	
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Mancos 26 <sup>th</sup>		10003'-10144'	.35	20	
Mancos 25 <sup>th</sup>		10183'-10324'	.35	20	
Mancos 24 <sup>th</sup>		10363'-10504'	.35	20	
Mancos 23 <sup>rd</sup>		10543'-10684'	.35	20	
Mancos 22 <sup>nd</sup>		10723'-10864'	.35	20	
Mancos 21 <sup>st</sup>		10903'-11044'	.35	20	
Mancos 20 <sup>th</sup>		11083'-11224'	.35	20	
Mancos 19 <sup>th</sup>		11263'-11404'	.35	20	
Mancos 18 <sup>th</sup>		11443'-11584'	.35	20	
Mancos 17 <sup>th</sup>		11623'-11764'	.35	20	
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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
5683'-5824'	MC 50 <sup>th</sup> stage with 328900#, 20/40 PSA Sand
5863'-6004'	MC 49 <sup>th</sup> stage with 327800#, 20/40 PSA Sand
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6767'-6904'	MC 44 <sup>th</sup> stage with 327150#, 20/40 PSA Sand
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7843'-7984'	MC 38 <sup>th</sup> stage with 330200#, 20/40 PSA Sand
8023'-8164'	MC 37 <sup>th</sup> stage with 327900#, 20/40 PSA Sand
8203'-8344'	MC 36 <sup>th</sup> stage with 320470#, 20/40 PSA Sand
8383'-8524'	MC 35 <sup>th</sup> stage with 326500#, 20/40 PSA Sand
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9463'-9604'	MC 29 <sup>th</sup> stage with 329000#, 20/40 PSA Sand
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9823'-9964'	MC 27 <sup>th</sup> stage with 327700#, 20/40 PSA Sand
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10363'-10504'	MC 24 <sup>th</sup> stage with 328050#, 20/40 PSA Sand
10543'-10684'	MC 23 <sup>rd</sup> stage with 328000#, 20/40 PSA Sand

10723'-10864'	MC 22 <sup>nd</sup> stage with 328100#, 20/40 PSA Sand
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11083'-11224'	MC 20 <sup>th</sup> stage with 325000#, 20/40 PSA Sand
11263'-11404'	MC 19 <sup>th</sup> stage with 325520#, 20/40 PSA Sand
11443'-11584'	MC 18 <sup>th</sup> stage with 326100#, 20/40 PSA Sand
11623'-11764'	MC 17 <sup>th</sup> stage with 327100#, 20/40 PSA Sand
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11983'-12124'	MC 15 <sup>th</sup> stage with 327250#, 20/40 PSA Sand
12163'-12304'	MC 14 <sup>th</sup> stage with 327020#, 20/40 PSA Sand
12343'-12484'	MC 13 <sup>th</sup> stage with 327850#, 20/40 PSA Sand
12523'-12664'	MC 12 <sup>th</sup> stage with 327500#, 20/40 PSA Sand
12703'-12844'	MC 11 <sup>th</sup> stage with 327350#, 20/40 PSA Sand
12883'-13024'	MC 10 <sup>th</sup> stage with 326350#, 20/40 PSA Sand
13063'-13204'	MC 9 <sup>th</sup> stage with 326300#, 20/40 PSA Sand
13243'-13384'	MC 8 <sup>th</sup> stage with 327800#, 20/40 PSA Sand
13423'-13564'	MC 7 <sup>th</sup> stage with 328050#, 20/40 PSA Sand
13603'-13744'	MC 6 <sup>th</sup> stage with 326590#, 20/40 PSA Sand
13783'-13924'	MC 5 <sup>th</sup> stage with 326270#, 20/40 PSA Sand
13963'-14104'	MC 4 <sup>th</sup> stage with 327300#, 20/40 PSA Sand
14143'-14284'	MC 3 <sup>rd</sup> stage with 327000#, 20/40 PSA Sand
14323'-14464'	MC 2 <sup>nd</sup> stage with 327500#, 20/40 PSA Sand
14503'-14508'	MC 1 <sup>st</sup> stage with 237580# 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	791	790			
KIRTLAND	1004	1000			
PICTURED CLIFFS	1331	1317			
LEWIS	1418	1399			
CHACRA	1722	1688			
CLIFF HOUSE	2877	2785			
MENEFEE	2918	2824			
POINT LOOKOUT	3828	3690			
MANCOS	3992	3847			
GALLUP	4333	4181			

## 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 2-12-19