

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
N0G13121793

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well
 Oil Well Gas Well Other

7. If Unit of CA/Agreement, Name and/or No.
NMNM135217A

8. Well Name and No.
N Escavada Unit 331H

2. Name of Operator
Enduring Resources IV LLC

9. API Well No.
30-043-21298

3a. Address
200 Energy Court Farmington NM 87401

3b. Phone No. (include area code)
505-636-9743

10. Field and Pool or Exploratory Area
Escavada N; Mancos

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**SHL: 1594' FSL & 192' FWL, Sec 10, T22N, R7W
BHL: 2319' FNL & 1662' FEL, Sec 15 T22N, R7W**

11. Country or Parish, State
Sandoval, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water ShutOff
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>Convert to GLV</u>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

NMOCD

JUN 12 2019

DISTRICT III

4/29/19- MIRU. TOOH. Pull ESP.

4/30/19- Landed @ 5159' w 163 jnts, 2-7/8", 6.5# L-80. Packer set @ 5149', 5-GLV.

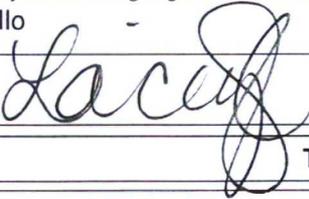
5/1/19- RDMO

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Lacey Granillo

Title Permit Specialist

Signature



Date

THE SPACE FOR FEDERAL OR STATE OFFICE USE ACCEPTED FOR RECORD

Approved by

Title

Date

JUN -7 2019

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

FARMINGTON FIELD OFFICE
By: 

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

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N Escavada Unit #331H API #:30-043-21298

SHL: 1594' FSL 192' FWL Sec: 10 Twnshp: 22N Rge: 7W
 BHL: 2319' FNL 1662' FEL Sec: 15 Twnshp: 22N Rge: 7W

Spud Date: 10/24/2017
 Completion Date: 2/8/19
 Install GLV: 4/30/19

Lat: 36.151213 °N Long: 107.570647 °W
 Escavada Mancos W
 County: Sandoval NM
 Elevation: 6860.01'

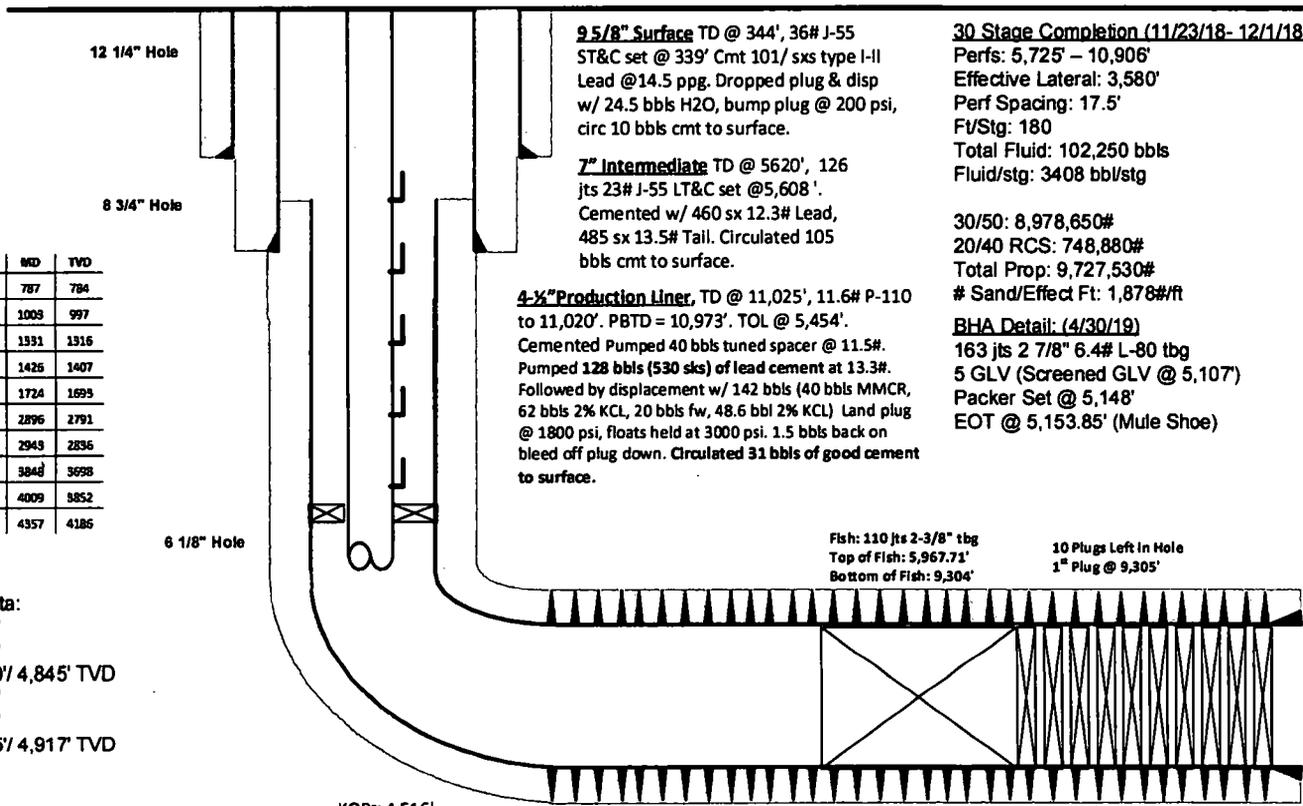
Created By: mwarp 10/17/18
 Modified By: mwarp 2/6/19
 Modified by: Igranillo 2/13/19
 Modified by: mwarp 5/1/19
 Modified by: Igranillo 5/14/19

Current Wellbore

Formation Top	MD	TVD
OJO ALAMO	787	784
KIRTLAND	1003	997
PICTURED CLIFFS	1331	1316
LEWIS	1425	1407
CHACRA	1724	1695
CLIFF HOUSE	2896	2791
MENEFEE	2943	2836
POINT LOOKOUT	3843	3698
MANCOS	4009	3852
GALLUP	4357	4186

Directional Data:

40° @ ~4,927'
 50° @ ~5,054'
 60° @ ~5,149' / 4,845' TVD
 70° @ ~5,245'
 80° @ ~5,339'
 90° @ ~5,435' / 4,917' TVD



9 5/8" Surface TD @ 344', 36# J-55
 ST&C set @ 339' Cmt 101/ sxs type I-II
 Lead @ 14.5 ppg. Dropped plug & disp
 w/ 24.5 bbls H2O, bump plug @ 200 psi,
 circ 10 bbls cmt to surface.

7" Intermediate TD @ 5620', 126
 jts 23# J-55 LT&C set @ 5,608'.
 Cemented w/ 460 sx 12.3# Lead,
 485 sx 13.5# Tail. Circulated 105
 bbls cmt to surface.

4-1/2" Production Liner, TD @ 11,025', 11.6# P-110
 to 11,020'. PBD = 10,973'. TOL @ 5,454'.
 Cemented Pumped 40 bbls tuned spacer @ 11.5#.
 Pumped 128 bbls (530 sks) of lead cement at 13.3#.
 Followed by displacement w/ 142 bbls (40 bbls MMCR,
 62 bbls 2% KCL, 20 bbls fw, 48.6 bbl 2% KCL) Land plug
 @ 1800 psi, floats held at 3000 psi. 1.5 bbls back on
 bleed off plug down. Circulated 31 bbls of good cement
 to surface.

30 Stage Completion (11/23/18- 12/1/18):
 Perfs: 5,725' - 10,906'
 Effective Lateral: 3,580'
 Perf Spacing: 17.5'
 Ft/Stg: 180
 Total Fluid: 102,250 bbls
 Fluid/stg: 3408 bbl/stg

30/50: 8,978,650#
 20/40 RCS: 748,880#
 Total Prop: 9,727,530#
 # Sand/Effect Ft: 1,878#/ft

BHA Detail: (4/30/19)
 163 jts 2 7/8" 6.4# L-80 tbg
 5 GLV (Screened GLV @ 5,107')
 Packer Set @ 5,148'
 EOT @ 5,153.85' (Mule Shoe)

Fish: 110 jts 2-3/8" tbg
 Top of Fish: 5,967.71'
 Bottom of Fish: 9,304'

10 Plugs Left in Hole
 1" Plug @ 9,305'

KOP ~ 4,516'

Perf'd @ 5725'-10906', 0.35" & .42" diameter w/ 1044 total holes.
 Frac'd @ 5725'-10925' w/ 30 stages of 30/50 sand.

PBD: 9,305'
 TD: 11,025' MD
 TVD: 4,915.07'