

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.  
**N00C14205594**

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

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

1. Type of Well  
 Oil Well     Gas Well     Other

8. Well Name and No.  
N ESCAVADA UNIT #315H

2. Name of Operator  
**Enduring Resources IV LLC**

9. API Well No.  
**30-043-21888**

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: 1583' FSL & 250' FWL, Sec 10, T22N, R7W**  
**BHL: 2301' FSL & 562' FWL, Sec 4 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>Covert 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.)

**5/1/19- MIRU.**

**5/2/19- thru 5/3/19- TOOH. Pull ESP.**

**5/4/19- Landed @ 5217' w 166 jnts, 2-7/8", 6.5# L-80. Packer set @ 5207', 4-GLV. RDMO**

**NMOCD**  
**JUN 12 2019**  
**DISTRICT III**

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

**Lacey Granillo**

Title Permit Specialist

Signature



Date 5/14/19

**THE SPACE FOR FEDERAL OR STATE OFFICE USE ACCEPTED FOR RECORD**

Approved by

Title

Date

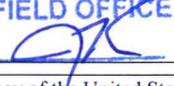
**JUN -7 2019**

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**

# N Escavada Unit #315H

API #:30-043-21888

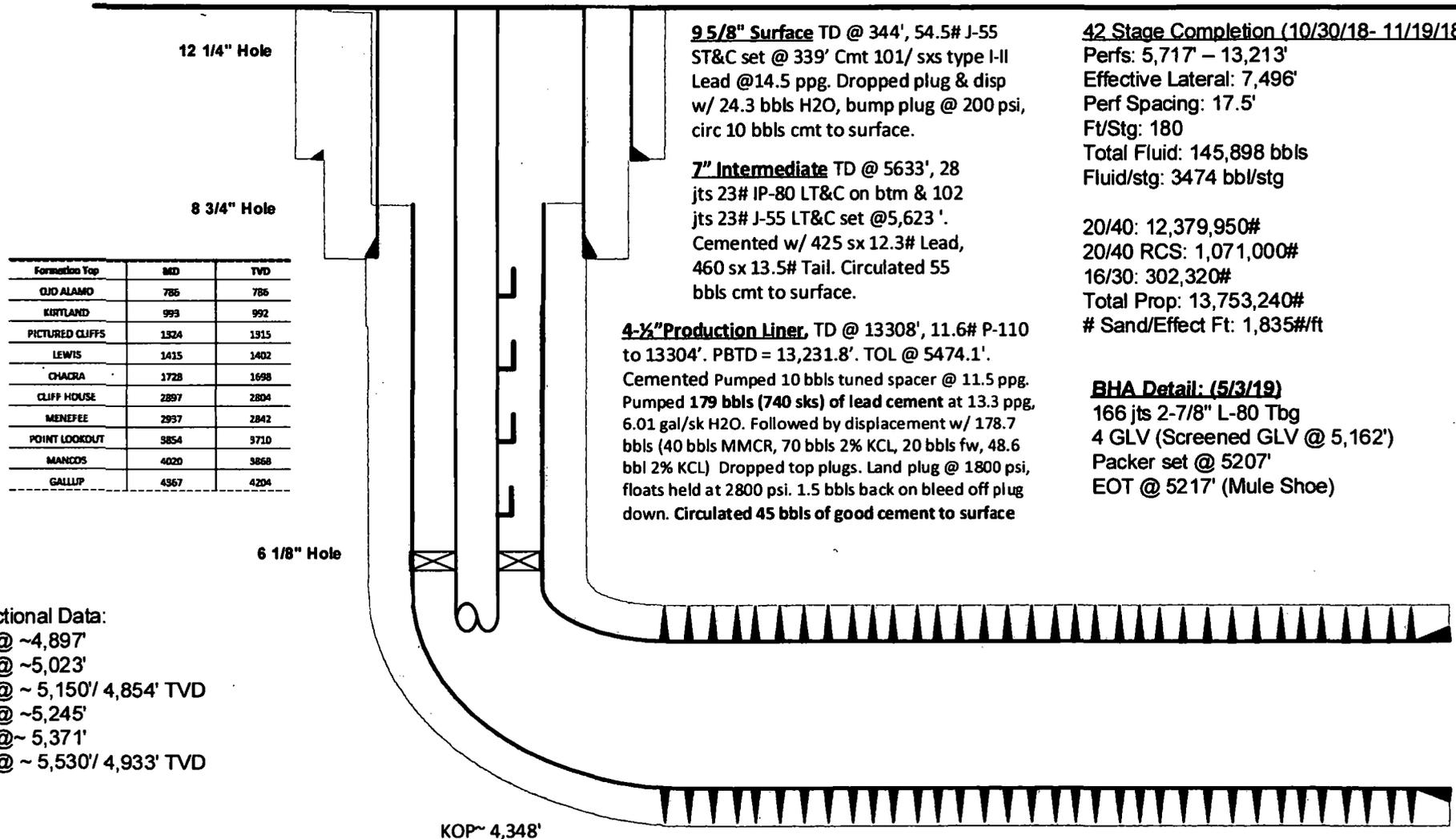
SHL: 1583' FSL 250' FWL Sec: 10 Twnshp: 22N Rge: 7W  
 BHL: 2301' FSL 562' FWL Sec: 4 Twnshp: 22N Rge: 7W

Spud Date: 11/1/2017  
 Completion Date: 2/1/19  
 ESP to GL: 5/3/19

Lat: 36.15177 °N Long: 107.570449 °W  
 Escavada Mancos W  
 County: Sandoval NM  
 Elevation: 6860.01'

Created By: mwarp 10/17/18  
 Modified by: Igranillo 2/6/19  
 Modified by: mwarp 5/7/19  
 Modified by: Igranillo 5/14/19

## Current Wellbore



**9 5/8" Surface TD @ 344'**, 54.5# J-55 ST&C set @ 339' Cmt 101/ sxs type I-II Lead @14.5 ppg. Dropped plug & disp w/ 24.3 bbls H2O, bump plug @ 200 psi, circ 10 bbls cmt to surface.

**7" Intermediate TD @ 5633'**, 28 jts 23# IP-80 LT&C on btm & 102 jts 23# J-55 LT&C set @5,623'. Cemented w/ 425 sx 12.3# Lead, 460 sx 13.5# Tail. Circulated 55 bbls cmt to surface.

**4-1/2" Production Liner, TD @ 13308'**, 11.6# P-110 to 13304'. PBD = 13,231.8'. TOL @ 5474.1'. Cemented Pumped 10 bbls tuned spacer @ 11.5 ppg. Pumped 179 bbls (740 sks) of lead cement at 13.3 ppg, 6.01 gal/sk H2O. Followed by displacement w/ 178.7 bbls (40 bbls MMCR, 70 bbls 2% KCL, 20 bbls fw, 48.6 bbl 2% KCL) Dropped top plugs. Land plug @ 1800 psi, floats held at 2800 psi. 1.5 bbls back on bleed off plug down. Circulated 45 bbls of good cement to surface

**42 Stage Completion (10/30/18- 11/19/18):**  
 Perfs: 5,717' – 13,213'  
 Effective Lateral: 7,496'  
 Perf Spacing: 17.5'  
 Ft/Stg: 180  
 Total Fluid: 145,898 bbls  
 Fluid/stg: 3474 bbl/stg

20/40: 12,379,950#  
 20/40 RCS: 1,071,000#  
 16/30: 302,320#  
 Total Prop: 13,753,240#  
 # Sand/Effect Ft: 1,835#/ft

**BHA Detail: (5/3/19)**  
 166 jts 2-7/8" L-80 Tbg  
 4 GLV (Screened GLV @ 5,162')  
 Packer set @ 5207'  
 EOT @ 5217' (Mule Shoe)

Formation Top	MD	TVD
OLD 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

Directional Data:  
 40° @ ~4,897'  
 50° @ ~5,023'  
 60° @ ~ 5,150'/ 4,854' TVD  
 70° @ ~5,245'  
 80° @ ~ 5,371'  
 90° @ ~ 5,530'/ 4,933' TVD

KOP~ 4,348'

Perf'd @ 5717'-13213', 0.35" & .42" diameter w/ 1511 total holes.  
 Frac'd @ 5717'-13213' w/ 42 stages of 20/40 & 16/30 sand

PBD: 13,258'  
 TD: 13,308 MD  
 TVD: 4,999.7'