

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 #316H

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

9. API Well No.  
**30-043-21300**

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: 1590' FSL & 211' FWL, Sec 10, T22N, R7W**  
**BHL: 2306' FSL & 1040' FEL, Sec 5 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	<b>Convert to GLV</b>
	<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 recompleat 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 recompleat 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 detennined that the site is ready for final inspection.)

**5/4/19-** MIRU.  
TOOH. Pull ESP.

**5/5/19-** Landed @ 5005' w 158 jnts, 2-7/8", 6.5# L-80. Packer set @ 4995', 4-GLV.  
RDMO

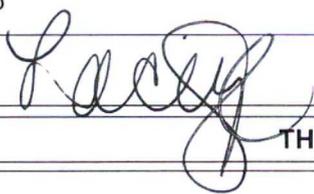
**NMOCD**  
**JUN 12 2019**  
**DISTRICT III**

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**

Approved by

Title

**ACCEPTED FOR RECORD**

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.

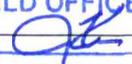
Office

**JUN -7 2019**

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.

**FARMINGTON FIELD OFFICE**

By:



# N Escavada Unit #316H

API #:30-043-21300

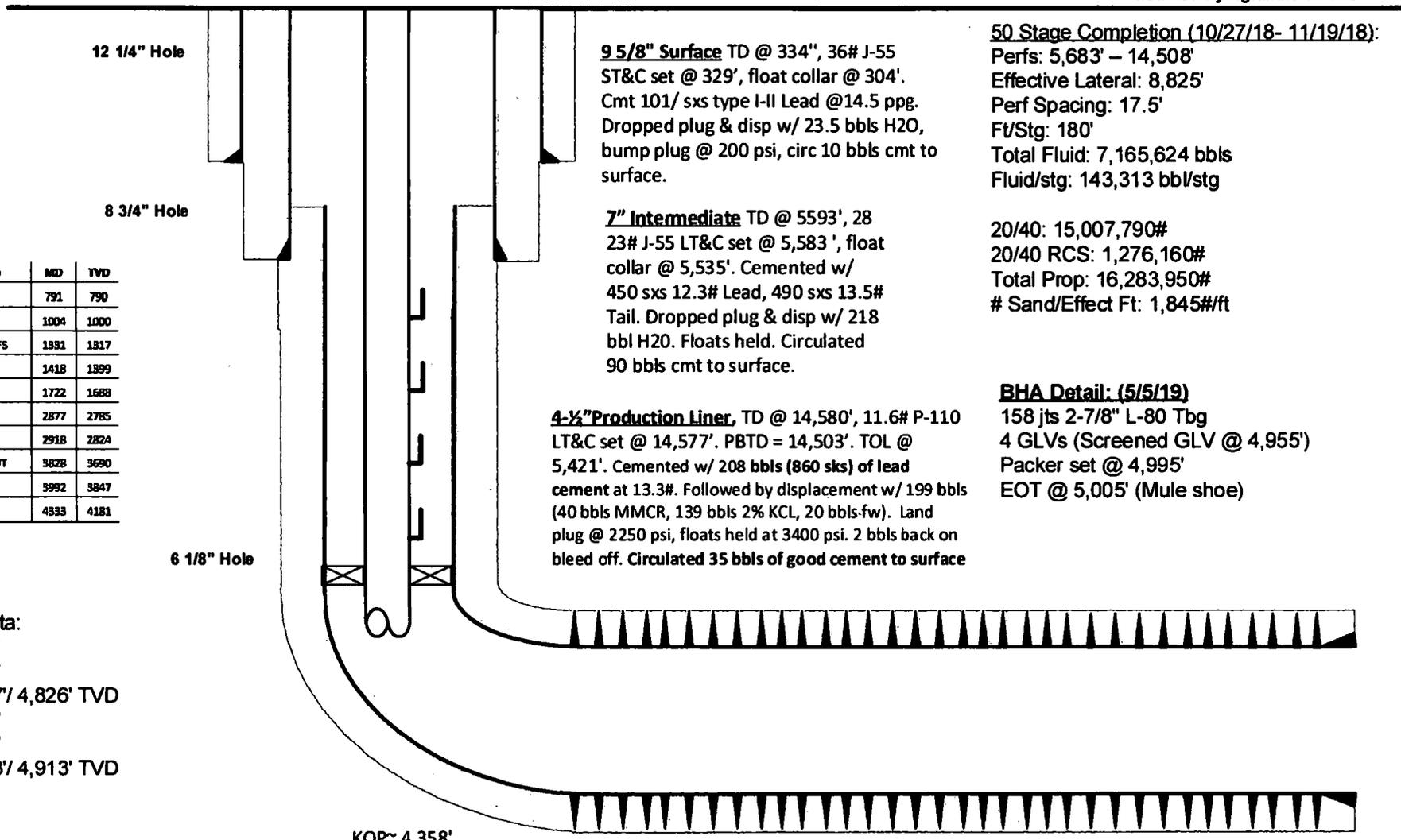
SHL: 1590' FSL      211' FWL      Sec: 10    Twnshp: 22N    Rge: 7W  
 BHL: 2306' FSL      1040' FEL      Sec: 5     Twnshp: 22N    Rge: 7W

Spud Date: 10/27/2017  
 Completion Date: 1/31/19  
 Tbg Change: 2/27/19  
 ESP to GL: 5/5/19

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

Created By: mwarp 10/19/18  
 Modified By: mwarp 2/5/19  
 Modified By: Igranillo 2/6/19  
 Modified By: Igranillo 3/14/19  
 Modified By: mwarp 5/7/19  
 Modified By: Igranillo 5/14/19

## Current Wellbore



Formation Top	MD	TVD
Q/O ALAMO	791	790
KIRTLAND	1004	1000
PICTURED CLIFFS	1331	1317
LEWIS	1418	1399
CHADRA	1722	1688
CLIFF HOUSE	2877	2785
MENEFEE	2918	2824
POINT LOOKOUT	3828	3690
MANCOS	3992	3847
GALLUP	4333	4181

**9 5/8" Surface** TD @ 334", 36# J-55  
 ST&C set @ 329', float collar @ 304'.  
 Cmt 101/ sxs type I-II Lead @14.5 ppg.  
 Dropped plug & disp w/ 23.5 bbls H2O,  
 bump plug @ 200 psi, circ 10 bbls cmt to  
 surface.

**7" Intermediate** TD @ 5593', 28  
 23# J-55 LT&C set @ 5,583', float  
 collar @ 5,535'. Cemented w/  
 450 sxs 12.3# Lead, 490 sxs 13.5#  
 Tail. Dropped plug & disp w/ 218  
 bbl H2O. Floats held. Circulated  
 90 bbls cmt to surface.

**4 1/2" Production Liner**, TD @ 14,580', 11.6# P-110  
 LT&C set @ 14,577'. PBTD = 14,503'. TOL @  
 5,421'. Cemented w/ 208 bbls (860 sks) of lead  
 cement at 13.3#. Followed by displacement w/ 199 bbls  
 (40 bbls MMCR, 139 bbls 2% KCL, 20 bbls-fw). Land  
 plug @ 2250 psi, floats held at 3400 psi. 2 bbls back on  
 bleed off. Circulated 35 bbls of good cement to surface

### 50 Stage Completion (10/27/18- 11/19/18):

Perfs: 5,683' – 14,508'  
 Effective Lateral: 8,825'  
 Perf Spacing: 17.5'  
 Ft/Stg: 180'  
 Total Fluid: 7,165,624 bbls  
 Fluid/stg: 143,313 bb/stg

20/40: 15,007,790#  
 20/40 RCS: 1,276,160#  
 Total Prop: 16,283,950#  
 # Sand/Effect Ft: 1,845#/ft

### BHA Detail: (5/5/19)

158 jts 2-7/8" L-80 Tbg  
 4 GLVs (Screened GLV @ 4,955')  
 Packer set @ 4,995'  
 EOT @ 5,005' (Mule shoe)

### Directional Data:

40° @ ~4,897'  
 50° @ ~4,992'  
 60° @ ~ 5,087/ 4,826' TVD  
 70° @ ~5,182'  
 80° @ ~ 5,309'  
 90° @ ~ 5,683/ 4,913' TVD

KOP~ 4,358'

Perf'd @ 5683'-14508', 0.35" & .42" diameter w/ 1764 total holes.  
 Frac'd @ 5683'-14508' w/ 50 stages of 20/40 sand

PBTD: 14,530'  
 TD: 14,580' MD  
 TVD: 5,010'