

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

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.
NOG13121793

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Enduring Resources IV LLC

3a. Address
200 Energy Court Farmington NM 87401

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

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

8. Well Name and No.
N Escavada Unit 318H

9. API Well No.
30-043-21301

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SHL: 268' FSL & 1548' FEL Sec 09 T22N R7W
SHL: 346' FSL & 2279' FEL Sec 05 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 Shut Off
<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 checked="" type="checkbox"/> Other <u>Convert to GLV</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<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 recomple 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 recomple 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.)

5/9/19- MIRU.
TOOH. Pull ESP.

5/10/19- Landed @ 4961' w 157 jnts, 2-7/8", 6.5# L-80. Packer set @ 4950', 4-GLV.

5/11/19- RDMO

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

Title: Permit Specialist

Signature

Date: **5/20/19**

THE SPACE FOR FEDERAL OR STATE OFFICE USE

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

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.

NMOCDFV

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N Escavada Unit #318H API #: 30-043-21301

SHL: 268' FSL 1548' FEL Sec: 9 Twnshp: 22N Rge: 7W
BHL: 346' FSL 2279' FEL Sec: 5 Twnshp: 22N Rge: 7W

Spud Date: 9/26/2017
Completion Date: 1/31/19
Convert to GLV: 5/10/19

Lat: 36.147554 °N Long: 107.576575 °W
Escavada Mancos W
County: Sandoval NM
Elevation: 6864' GI 6,885.01' KB

Created By: mwarp 1/16/19
Modified By: mwarp 1/29/19
Modified By: lgranillo 1/31/19
Modified By: lgranillo 5/16/19

Current Wellbore

44 Stage Completion (12/7/2018, 12/29/18):

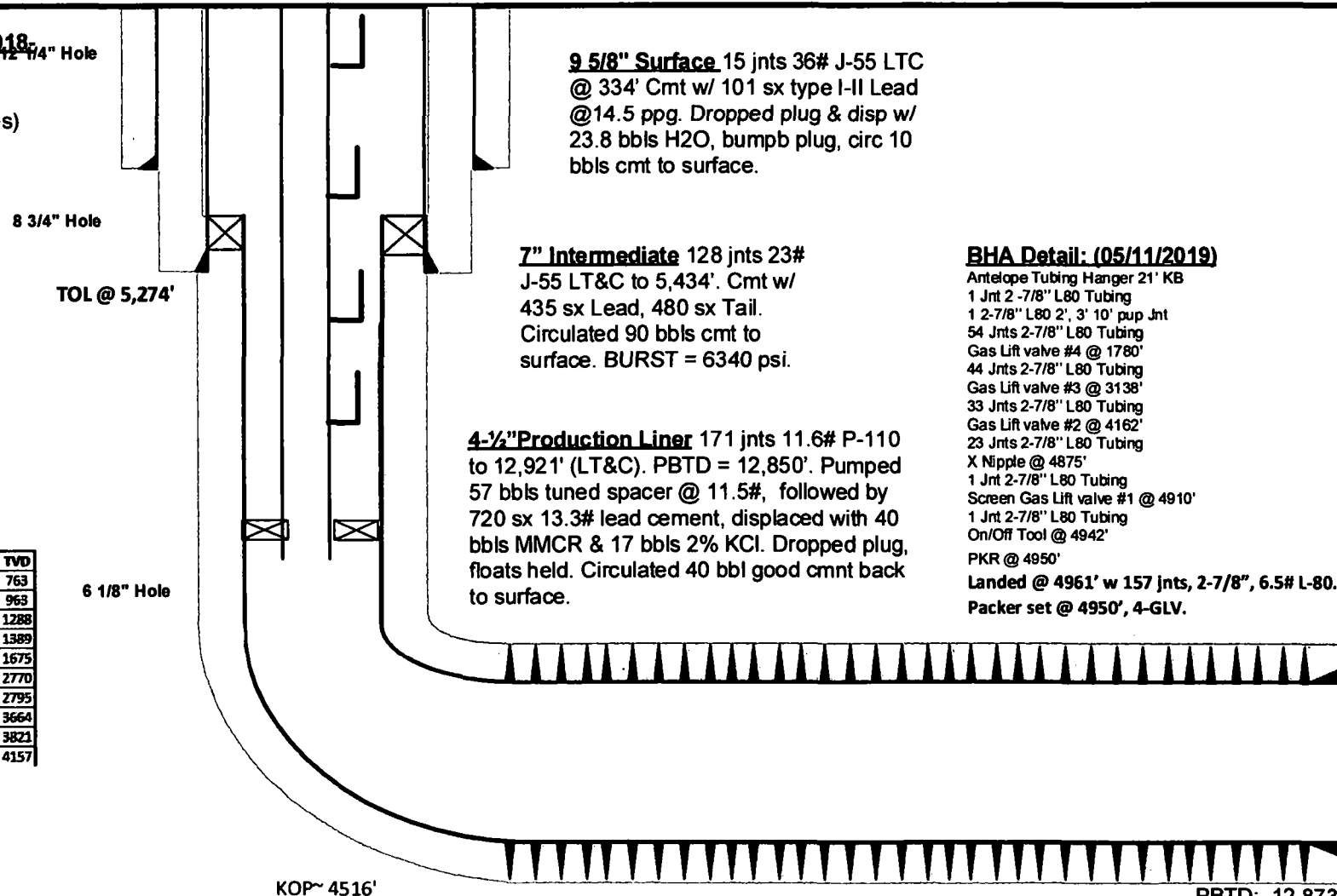
Perfs: 5,555' - 12,849'
.37"-.42" EHD perfs (1548 holes)
Effective Lateral: 7,290'
Perf Spacing: 17.5'
FV/Stg: 180 ft/stg
Total Fluid: 6,575,627 gal
Fluid/stg: 152,921.6 gal/stg

RCS: 1,110,600 lbs
Total Prop: 14,279,585 lbs
Sand/Effect Ft: 1,961 lbs/ft

Formation	MD	TVD
OJO ALAMO	764	763
KIRTLAND	967	963
PICTURED CLIFFS	1295	1288
LEWIS	1397	1389
CHACRA	1685	1675
CLIFF HOUSE	2791	2770
MENEFEE	2816	2795
POINT LOOKOUT	3691	3664
MANCOS	3849	3821
GALLUP	4187	4157

Directional Data:

40° @ ~4,762'
50° @ ~4,857'
60° @ ~4,937' / 4,800' TVD
70° @ ~5,047'
80° @ ~5,111'
90° @ ~5,387' / 4,882' TVD



9 5/8" Surface 15 jnts 36# J-55 LTC
@ 334' Cmt w/ 101 sx type I-II Lead
@ 14.5 ppg. Dropped plug & disp w/
23.8 bbls H2O, bumpb plug, circ 10
bbls cmt to surface.

7" Intermediate 128 jnts 23#
J-55 LT&C to 5,434'. Cmt w/
435 sx Lead, 480 sx Tail.
Circulated 90 bbls cmt to
surface. BURST = 6340 psi.

4-1/2" Production Liner 171 jnts 11.6# P-110
to 12,921' (LT&C). PBTB = 12,850'. Pumped
57 bbls tuned spacer @ 11.5#, followed by
720 sx 13.3# lead cement, displaced with 40
bbls MMCR & 17 bbls 2% KCl. Dropped plug,
floats held. Circulated 40 bbl good cmnt back
to surface.

BHA Detail: (05/11/2019)

Antelope Tubing Hanger 21' KB
1 Jnt 2-7/8" L80 Tubing
1 2-7/8" L80 2', 3' 10' pup Jnt
54 Jnts 2-7/8" L80 Tubing
Gas Lift valve #4 @ 1780'
44 Jnts 2-7/8" L80 Tubing
Gas Lift valve #3 @ 3138'
33 Jnts 2-7/8" L80 Tubing
Gas Lift valve #2 @ 4162'
23 Jnts 2-7/8" L80 Tubing
X Nipple @ 4875'
1 Jnt 2-7/8" L80 Tubing
Screen Gas Lift valve #1 @ 4910'
1 Jnt 2-7/8" L80 Tubing
On/Off Tool @ 4942'
PKR @ 4950'
Landed @ 4961' w 157 jnts, 2-7/8", 6.5# L-80.
Packer set @ 4950', 4-GLV.

Perf'd @ 5555'-12849', 0.35" & .42" diameter w/ 1548 total holes.
Frac'd @ 5555'-12849' w/ 44 stages of 30/50 & 20/40 sand of 14,279,585# total.

PBTB: 12,873'
TD: 12,922' MD
TVD: 4,944'