

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.

Farmington Field Office  
Bureau of Land Management

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

## 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SHL: 1610' FNL &amp; 1710' FWL Sec 5 T22N R5W

## 5. Lease Serial No.

Jicarilla Apache Lease 424

## 6. If Indian, Allottee or Tribe Name

Jicarilla Apache Nation

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

## 8. Well Name and No.

Logos 1

## 9. API Well No.

30-043-21119

## 10. Field and Pool or Exploratory Area

Venado Mesaverde / WC 22N5W5; Gallup / WC 22N5W5; Dakota

## 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>Tubing Length Change</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 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.)

ACCEPTED FOR RECORD

12/11/18- MIRU

12/12/18-12/17/18- TIH

12/18/18- Ran 49 jnts 2-7/8" 6.5#, landed @ 5984'.

IODS RAN, NEW 1 1/2" X 26' CENTER SPRAY POLISH ROD, 4' X 3/4" SUBS, 208 X 3/4" SLICK RODS, 20 X 3/4" GUIDED RODS 4/PER, 8 X 1 1/2" K-BARS, 2 STABILIZER SUBS 7/8" X 4', NEW 21K SHEAR TOOL, 2 1/2" X 1 1/4" X 12' X 15' RHAC PUMP WITH 1" X 1" STRAINER NIPPLE AND 114" MAX STROKE. }  
DMO

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

Lacey Granillo

Title: Permit Specialist

Signature

Date:

Title

Date

## THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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

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

FEB 08 2019

NMOCD

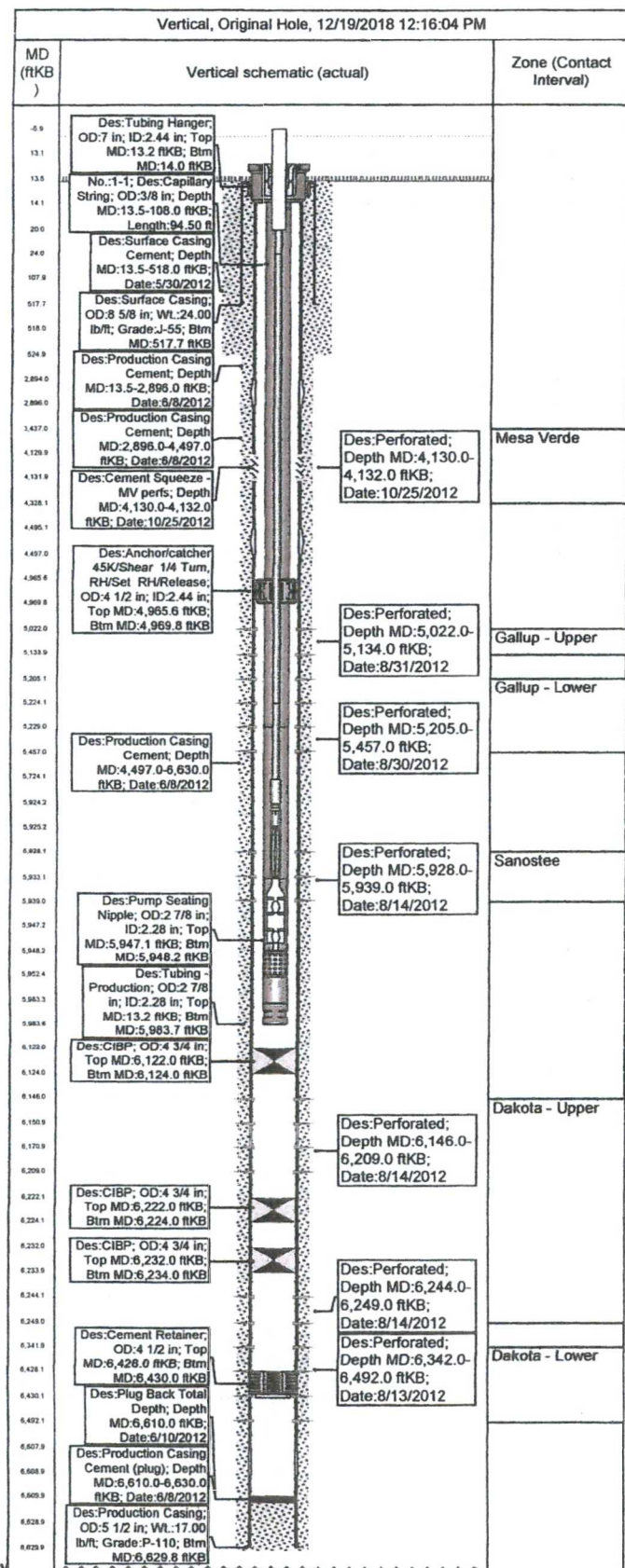
DISTRICT III

2



Well Name: LOGOS 01

API/UWI 30-043-21119	Surface Legal Location (Unit F) Section 05, Twp 22N, Rng 05W...	Field Name CHACO	License #	State/Province NEW MEXICO	Well Configuration Type Vertical
Original KB Elevation (ft) 6,920.50	KB-Tubing Head Distance (ft)	Spud Date 5/30/2012 00:00	Rig Release Date	PBTD (All) (ftKB) Original Hole - 6,610.0	Total Depth All (TVD) (ftKB)



## Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)
Surface Casing	8 5/8	24.00	J-55		13.5	517.7
Production Casing	5 1/2	17.00	P-110		13.5	6,629.8

## Cement

Description	Comment
Surface Casing Cement	Cemented with 390 sacks of Class G; circulated 30 bbl of good cement to surface.
Production Casing Cement	Cemented in three stages with total of 1115 sacks of 50/50 Poz and 100 sacks of Class G Neat
Cement Squeeze - MV perfs	Squeezed perfs from 4130-4132' with 150 sacks of Type III Neat cement.

## Tubing Strings

Tubing Description	Run Date	String Length (ft)	Set Depth (ftKB)
Tubing - Production	12/17/2018	5,970.46	5,983.7

Jts	Item Des	OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)	Grade	Wt (lb/ft)
1	Tubing Hanger	7	0.80	13.2	14.0		
15	Tubing { Scanned 12-14-18 }	2 7/8	4,951.5	14.0	4,965.6	J-55	6.50
3			9				
1	Anchor/catcher 45K/Shear 1/4 Turn, RH/Set RH/Release	4 1/2	4.15	4,965.6	4,969.8		
8	Tubing { Scanned 12-14-18 }	2 7/8	259.20	4,969.8	5,229.0	J-55	6.50
23	Tubing { Yellow band }	2 7/8	718.15	5,229.0	5,947.1	L-80	6.50
1	Pump Seating Nipple	2 7/8	1.10	5,947.1	5,948.2		
1	Perforated Pup Joint	2 7/8	4.25	5,948.2	5,952.5	J-55	6.50
1	Tubing Mud Anchor	2 7/8	30.82	5,952.5	5,983.3	L-80	6.50
1	No Go Sub 2 3/8" Collar w/pin	2 7/8	0.40	5,983.3	5,983.7		

## Rod Strings

Rod Description	Run Date	String Length (ft)	Set Depth (ftKB)
ROD STRING	12/18/2018	5,954.00	5,948.1

Jts	Item Des	OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
1	Polished Rod	1 1/2	26.00	-5.9	20.1
1	Pony Rod	3/4	4.00	20.1	24.1
208	Sucker Rod Slick	3/4	5,200.00	24.1	5,224.1
20	Sucker Rod Guided { New rods. }	3/4	500.00	5,224.1	5,724.1
8	Sinker Bar	1 1/4	200.00	5,724.1	5,924.1
1	Shear Coupling 21K SHEAR	1 1/4	1.00	5,924.1	5,925.1
2	Rod - Guided Stabilizer	1 1/4	8.00	5,925.1	5,933.1
	Rod Pump	2 1/2	15.00	5,933.1	5,948.1

## Perforations

Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Nom Hole Dia (in)
9/25/2012	3,437.0	4,328.0	3.0	
8/31/2012	5,022.0	5,134.0	3.0	
8/30/2012	5,205.0	5,457.0	2.0	
8/14/2012	5,928.0	5,939.0	1.0	
8/14/2012	6,146.0	6,209.0	1.0	
8/14/2012	6,244.0	6,249.0	1.0	
8/13/2012	6,342.0	6,492.0	1.0	