

Form 3160-5
(June 2019)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021**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. **NMNM109387**

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 LLC3a. Address **1050 17TH STREET SUITE 2500, DENVER, CO**3b. Phone No. (include area code)
(303) 573-1222

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

8. Well Name and No. **LOGOS/3**9. API Well No. **3004321135**

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

SEC 5/T22N/R6W/NMP10. Field and Pool or Exploratory Area
WILDCAT GALLUP/WILDCAT GALLUP

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				
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off	
☒ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity	
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other	
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon		
	☐ Convert to Injection	☐ Plug Back	☐ 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.)

Enduring Resources completed a workover on the subject well to repair the rod pump completion. An updated schematic is attached.

Job Start: 02/23/2022

Job End: 02/25/2022

EOT: 6,358 MD

SN: 6,288 MD

TAC: 4,859 MD

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

HEATHER HUNTINGTON / Ph: (505) 636-9751

Permitting Technician

Title

Signature

Date

04/13/2022**THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

KENNETH G RENNICK / Ph: (505) 564-7742 / Accepted

Petroleum Engineer

Title

Date **04/15/2022**

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**

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.

(Instructions on page 2)



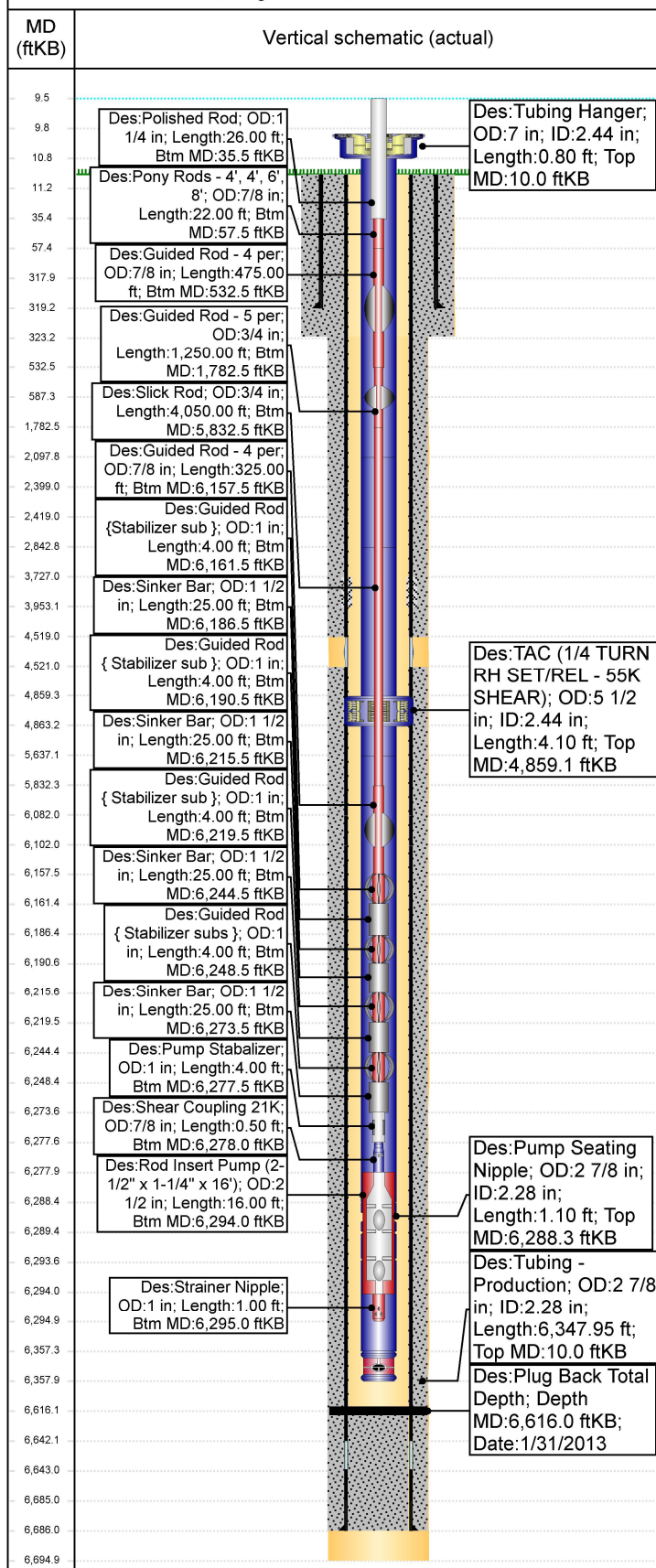
Enduring Resources IV - Production WBD

Well Name: LOGOS 03

NOTE: Well schematic is drawn vertically due to space constraints on the report. Please reference the directional surveys as needed.

API/UWI 30-043-21135	Surface Legal Location Sec 05 (P), Twp 22N, Rng 06W, 23rd PM	Field Name CHACO	License #	State/Province NEW MEXICO	Well Configuration Type Vertical
Original KB Elevation (ft) 7,192.00	KB-Tubing Head Distance (ft)	Spud Date 1/24/2013 00:00	Rig Release Date	PBTD (All) (ftKB) Original Hole - 6,616.0	Total Depth All (TVD) (ftKB)

Vertical, Original Hole, 4/1/2022 3:40:23 AM



Wellbore Sections

Section Des	Size (in)	Act Top (ftKB)	Act Top (TVD) (ftKB)	Act Btm (ftKB)	Act Btm (TVD) (ftKB)
Surface	12 1/4	11.0		323.0	
Production	7 7/8	323.0		6,695.0	

Rod Strings

Rod Description	Run Date	String Length (ft)		Set Depth (ftKB)	
Rod	2/25/2022	6,285.50		6,295.0	
Item Des	Jts	OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Polished Rod	1	1 1/4	26.00	9.5	35.5
Pony Rods - 4', 4', 6', 8'	3	7/8	22.00	35.5	57.5
Guided Rod - 4 per	19	7/8	475.00	57.5	532.5
Guided Rod - 5 per	50	3/4	1,250.00	532.5	1,782.5
Slick Rod	162	3/4	4,050.00	1,782.5	5,832.5
Guided Rod - 4 per	13	7/8	325.00	5,832.5	6,157.5
Guided Rod {Stabilizer sub }	1	1	4.00	6,157.5	6,161.5
Sinker Bar	1	1 1/2	25.00	6,161.5	6,186.5
Guided Rod { Stabilizer sub }	1	1	4.00	6,186.5	6,190.5
Sinker Bar	1	1 1/2	25.00	6,190.5	6,215.5
Guided Rod { Stabilizer sub }	1	1	4.00	6,215.5	6,219.5
Sinker Bar	1	1 1/2	25.00	6,219.5	6,244.5
Guided Rod { Stabilizer subs }	2	1	4.00	6,244.5	6,248.5
Sinker Bar	1	1 1/2	25.00	6,248.5	6,273.5
Pump Stabalizer	1	1	4.00	6,273.5	6,277.5
Shear Coupling 21K	1	7/8	0.50	6,277.5	6,278.0
Rod Insert Pump (2-1/2" x 1-1/4" x 16')	1	2 1/2	16.00	6,278.0	6,294.0
Strainer Nipple		1	1.00	6,294.0	6,295.0

Tubing - Production set at 6,358.0ftKB on 2/24/2022 15:00

Tubing Description		Run Date			String Length (ft)		Set Depth (ftKB)	
Tubing - Production		2/24/2022			6,347.95		6,358.0	
Item Des	Jts	Grade	Wt (lb/ft)	OD (in)	ID (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger	1			7	2.44	0.80	10.0	10.8
Tubing - YB - NEW	18	J-55	6.50	2 7/8	2.44	576.33	10.8	587.1
Tubing - BB	48	J-55	6.50	2 7/8	2.44	1,510.67	587.1	2,097.8
Tubing - BB/YB	24	J-55	6.50	2 7/8	2.44	745.10	2,097.8	2,842.9
Tubing - YB	62	J-55	6.50	2 7/8	2.44	2,016.24	2,842.9	4,859.1
TAC (1/4 TURN RH SET/REL - 55K SHEAR)	1			5 1/2	2.44	4.10	4,859.1	4,863.2
Tubing - YB	24	J-55	6.50	2 7/8	2.44	773.77	4,863.2	5,637.0
Tubing YB (NEW))	20	L-80	6.50	2 7/8	2.44	651.29	5,637.0	6,288.3
Pump Seating Nipple	1			2 7/8	2.28	1.10	6,288.3	6,289.4
Perforated Joint	1	J-55	6.50	2 7/8	2.44	4.10	6,289.4	6,293.5
Tubing { Inspected yellow band. }	2	J-55	6.50	2 7/8	2.44	63.75	6,293.5	6,357.3
Valve Purge	1			2 7/8		0.70	6,357.3	6,358.0

Surface Casing, 319.2ftKB

OD (in) 9 5/8	Wt/Len (lb/ft) 36.00	String Grade J-55	Top Connection	Top (ftKB) 11.0	Set Depth (ftKB) 319.2	
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Joints			10	307.00	11.0	318.0
Float Shoe				1.22	318.0	319.2

Production Casing, 6,686.0ftKB

OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
5 1/2	17.00	L-80		11.0	6,686.0



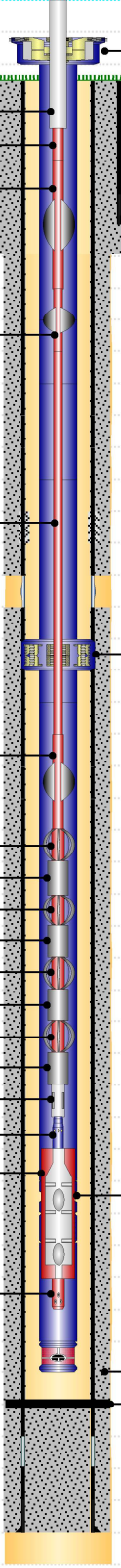
Enduring Resources IV - Production WBD

Well Name: LOGOS 03

NOTE: Well schematic is drawn vertically due to space constraints on the report. Please reference the directional surveys as needed.

API/UWI 30-043-21135	Surface Legal Location Sec 05 (P), Twp 22N, Rng 06W, 23rd PM	Field Name CHACO	License #	State/Province NEW MEXICO	Well Configuration Type Vertical
Original KB Elevation (ft) 7,192.00	KB-Tubing Head Distance (ft)	Spud Date 1/24/2013 00:00	Rig Release Date	PBTD (All) (ftKB) Original Hole - 6,616.0	Total Depth All (TVD) (ftKB)

Vertical, Original Hole, 4/1/2022 3:40:26 AM

MD (ftKB)	Vertical schematic (actual)				
9.5		Des:Polished Rod; OD:1 1/4 in; Length:26.00 ft; Btm MD:35.5 ftKB	Des:Tubing Hanger; OD:7 in; ID:2.44 in; Length:0.80 ft; Top MD:10.0 ftKB		
9.8					
10.8					
11.2		Des:Pony Rods - 4', 4', 6', 8'; OD:7/8 in; Length:22.00 ft; Btm MD:57.5 ftKB			
35.4					
57.4		Des:Guided Rod - 4 per; OD:7/8 in; Length:475.00 ft; Btm MD:532.5 ftKB			
317.9					
319.2		Des:Guided Rod - 5 per; OD:3/4 in; Length:1,250.00 ft; Btm MD:1,782.5 ftKB			
323.2					
532.5		Des:Slick Rod; OD:3/4 in; Length:4,050.00 ft; Btm MD:5,832.5 ftKB			
587.3					
1,782.5		Des:Guided Rod - 4 per; OD:7/8 in; Length:325.00 ft; Btm MD:6,157.5 ftKB			
2,097.8		Des:Guided Rod { Stabilizer sub }; OD:1 in; Length:4.00 ft; Btm MD:6,161.5 ftKB			
2,399.0					
2,419.0		Des:Sinker Bar; OD:1 1/2 in; Length:25.00 ft; Btm MD:6,186.5 ftKB			
2,842.8		Des:Guided Rod { Stabilizer sub }; OD:1 in; Length:4.00 ft; Btm MD:6,190.5 ftKB			
3,727.0		Des:Sinker Bar; OD:1 1/2 in; Length:25.00 ft; Btm MD:6,215.5 ftKB			
3,953.1					
4,519.0		Des:TAC (1/4 TURN RH SET/REL - 55K SHEAR); OD:5 1/2 in; ID:2.44 in; Length:4.10 ft; Top MD:4,859.1 ftKB			
4,521.0					
4,859.3		Des:Guided Rod { Stabilizer sub }; OD:1 in; Length:4.00 ft; Btm MD:6,219.5 ftKB			
4,863.2					
5,637.1		Des:Sinker Bar; OD:1 1/2 in; Length:25.00 ft; Btm MD:6,244.5 ftKB			
5,832.3		Des:Guided Rod { Stabilizer subs }; OD:1 in; Length:4.00 ft; Btm MD:6,248.5 ftKB			
6,082.0					
6,102.0	Des:Sinker Bar; OD:1 1/2 in; Length:25.00 ft; Btm MD:6,273.5 ftKB				
6,157.5					
6,161.4	Des:Pump Stabilizer; OD:1 in; Length:4.00 ft; Btm MD:6,277.5 ftKB				
6,186.4					
6,190.6	Des:Shear Coupling 21K; OD:7/8 in; Length:0.50 ft; Btm MD:6,278.0 ftKB				
6,215.6					
6,219.5	Des:Rod Insert Pump (2-1/2" x 1-1/4" x 16"); OD:2 1/2 in; Length:16.00 ft; Btm MD:6,294.0 ftKB				
6,244.4					
6,248.4	Des:Strainer Nipple; OD:1 in; Length:1.00 ft; Btm MD:6,295.0 ftKB				
6,273.6					
6,277.6	Des:Shear Coupling 21K; OD:7/8 in; Length:0.50 ft; Btm MD:6,278.0 ftKB				
6,277.9					
6,288.4	Des:Rod Insert Pump (2-1/2" x 1-1/4" x 16"); OD:2 1/2 in; Length:16.00 ft; Btm MD:6,294.0 ftKB				
6,289.4					
6,293.6					
6,294.0					
6,294.9					
6,357.3					
6,357.9					
6,616.1					
6,642.1					
6,643.0					
6,685.0					
6,686.0					
6,694.9					

Casing Joints	56	2,388.00	11.0	2,399.0
Casing - Marker Joint B	1	20.00	2,399.0	2,419.0
Casing Joints	49	2,100.00	2,419.0	4,519.0
Stage Tool		2.00	4,519.0	4,521.0
Casing Joints	37	1,561.00	4,521.0	6,082.0
Casing - Marker Joint A	1	20.00	6,082.0	6,102.0
Casing Joints	13	540.00	6,102.0	6,642.0
Float Collar		1.00	6,642.0	6,643.0
Casing Joints	1	42.00	6,643.0	6,685.0
Float Shoe		1.00	6,685.0	6,686.0
Cement				
Description	Cementing Start Date	Cementing End Date		
Surface Casing Cement	1/24/2013	1/24/2013		
Comment				
162 cu ft type III cmt, circ 7 bbl to surf				
Description	Cementing Start Date	Cementing End Date		
Production Casing Cement	1/30/2013	1/30/2013		
Comment				
Stage 1: 356 sx cmt, circ 15 bbl to surface. Stage 2: 590 sx cmt, circ 60 bbl to surface				
Description	Cementing Start Date	Cementing End Date		
Cement Squeeze	3/12/2013	3/12/2013		
Comment				
100 sx type III cmt				

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

COMMENTS

Action 104696

COMMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 104696
	Action Type: [C-103] Sub. Workover (C-103R)

COMMENTS

Created By	Comment	Comment Date
jagarcia	Accepted, John Garcia, Petroleum Engineer	11/7/2022

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 104696

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 104696
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	None	11/7/2022