

Well Name: LOGOS	Well Location: T22N / R5W / SEC 6 / NESW / 36.16491 / -107.40543	County or Parish/State: SANDOVAL / NM
Well Number: 11	Type of Well: OIL WELL	Allottee or Tribe Name: JICARILLA APACHE
Lease Number: JIC424	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004321159	Well Status: Producing Oil Well	Operator: ENDURING RESOURCES LLC

Subsequent Report

Sundry ID: 2649965

Type of Submission: Subsequent Report	Type of Action: Workover Operations
Date Sundry Submitted: 12/21/2021	Time Sundry Submitted: 02:15
Date Operation Actually Began: 11/29/2021	

Actual Procedure: Enduring Resources recently completed a workover to repair the rod pump completion. An updated schematic is attached. Job Start: 11/29/2021 Job End: 12/04/2021 EOT: 6,171' MD SN: 6,132' MD TAC: 4,915' MD

SR Attachments

Actual Procedure

LOGOS_11_WBD12042021_20211221141307.pdf

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Operator Certification

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: HEATHER HUNTINGTON	Signed on: DEC 21, 2021 02:13 PM
Name: ENDURING RESOURCES LLC	
Title: Permitting Technician	
Street Address: 200 Energy Court	
City: Farmington	State: NM
Phone: (505) 636-9751	
Email address: HHUNTINGTON@ENDURINGRESOURCES.COM	

Field Representative

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5055647742	BLM POC Email Address: krennick@blm.gov
Disposition: Accepted	Disposition Date: 12/22/2021
Signature: Kenneth Rennick	

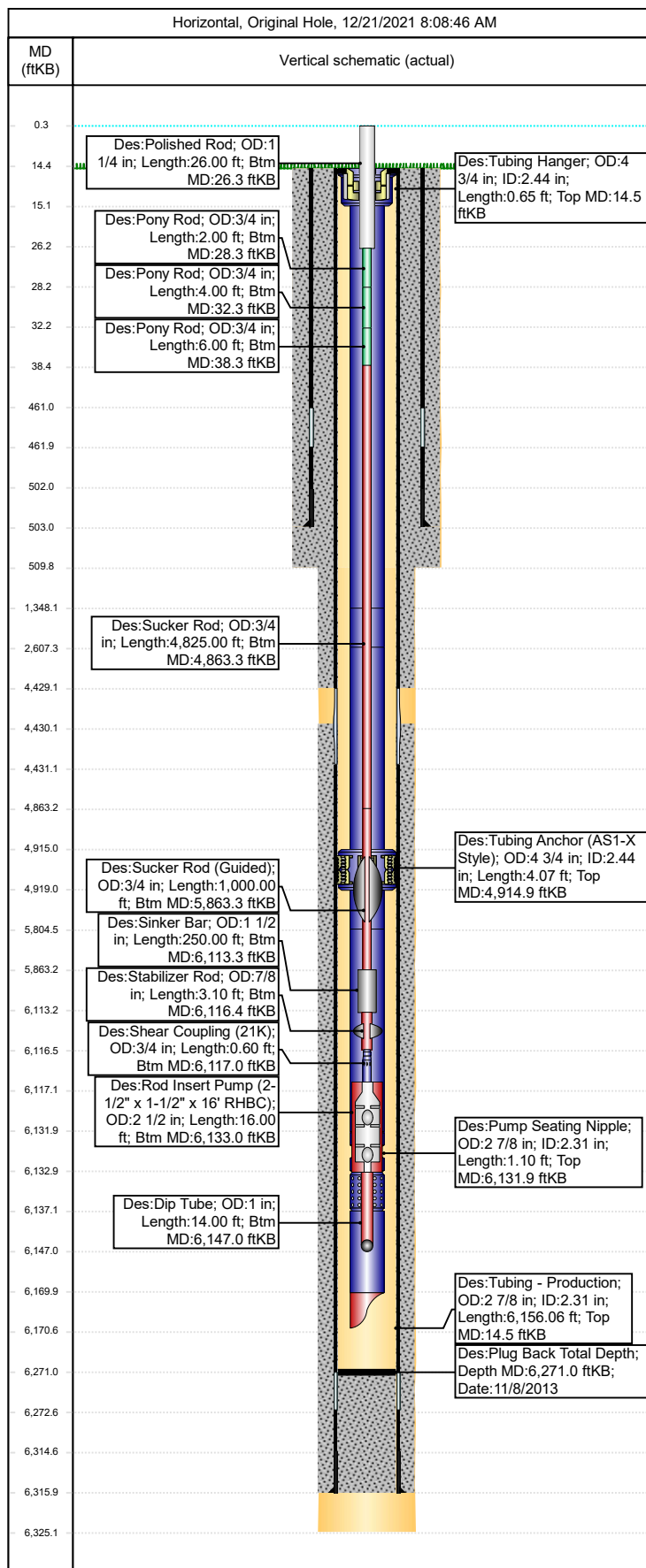


Enduring Resources IV - Production WBD

Well Name: LOGOS 11

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

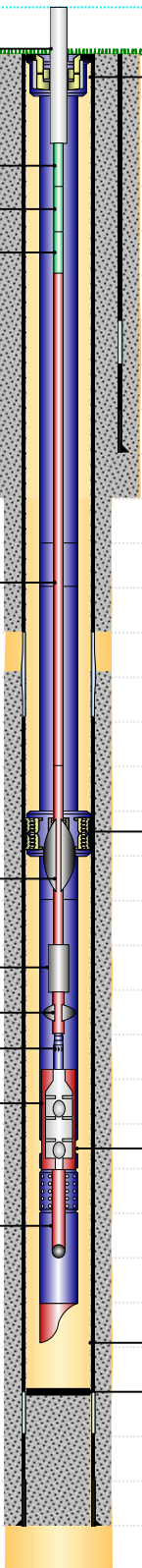
API/UWI 30-043-21159	Surface Legal Location SE/4, NE/4, Section 6 ((K), Twsp 22N, Rn...	Field Name CHACO	License #	State/Province NEW MEXICO	Well Configuration Type Horizontal
Original KB Elevation (ft) 6,976.50	KB-Tubing Head Distance (ft)	Spud Date 11/4/2013 08:00	Rig Release Date	PBTD (All) (ftKB) Original Hole - 6,271.0	Total Depth All (TVD) (ftKB)



Wellbore Sections									
Section Des			Size (in)		Act Top (ftKB)	Act Top (TVD) (ftKB)	Act Btm (ftKB)	Act Btm (TVD) (ftKB)	
Surface Hole			12 1/4		14.5		510.0		
Production Hole			7 7/8		510.0		6,325.0		
Rod Strings									
Rod Description		Run Date		String Length (ft)			Set Depth (ftKB)		
Rod		12/4/2021		6,146.70			6,147.0		
Item Des			Jts	OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)		
Polished Rod			1	1 1/4	26.00	0.3	26.3		
Pony Rod			1	3/4	2.00	26.3	28.3		
Pony Rod			1	3/4	4.00	28.3	32.3		
Pony Rod			1	3/4	6.00	32.3	38.3		
Sucker Rod			193	3/4	4,825.00	38.3	4,863.3		
Sucker Rod (Guided)			40	3/4	1,000.00	4,863.3	5,863.3		
Sinker Bar			10	1 1/2	250.00	5,863.3	6,113.3		
Stabilizer Rod			1	7/8	3.10	6,113.3	6,116.4		
Shear Coupling (21K)			1	3/4	0.60	6,116.4	6,117.0		
Rod Insert Pump (2-1/2" x 1-1/2" x 16' RHBC)			1	2 1/2	16.00	6,117.0	6,133.0		
Dip Tube			1	1	14.00	6,133.0	6,147.0		
Tubing - Production set at 6,170.6ftKB on 12/4/2021 08:30									
Tubing Description		Run Date		String Length (ft)			Set Depth (ftKB)		
Tubing - Production		12/4/2021		6,156.06			6,170.6		
Item Des		Jts	Grade	Wt (lb/ft)	OD (in)	ID (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger		1			4 3/4	2.44	0.65	14.5	15.2
Tubing		41	J-55	6.50	2 7/8	2.44	1,332.85	15.2	1,348.0
Tubing		39	J-55	6.50	2 7/8	2.44	1,259.38	1,348.0	2,607.4
Tubing		71	J-55	6.50	2 7/8	2.44	2,307.50	2,607.4	4,914.9
Tubing Anchor (AS1-X Style)		1			4 3/4	2.44	4.07	4,914.9	4,919.0
Tubing		28	J-55	6.50	2 7/8	2.44	885.61	4,919.0	5,804.6
Tubing		10	J-55	6.50	2 7/8	2.44	327.32	5,804.6	6,131.9
Pump Seating Nipple		1			2 7/8	2.31	1.10	6,131.9	6,133.0
Perforated Joint		1			2 7/8	2.44	4.30	6,133.0	6,137.3
Tubing		1	J-55	6.50	2 7/8	2.44	32.53	6,137.3	6,169.8
Purge Valve		1			2 7/8	2.44	0.75	6,169.8	6,170.6
Surface Casing, 503.0ftKB									
OD (in)		Wt/Len (lb/ft)		String Grade		Top Connection		Top (ftKB)	Set Depth (ftKB)
9 5/8		36.00		J-55				14.5	503.0
Item Des				Jts		Len (ft)		Top (ftKB)	Btm (ftKB)
Casing Joints				10		446.50		14.5	461.0
Float Collar						1.00		461.0	462.0
Casing Joints				1		40.00		462.0	502.0
Float Shoe						1.00		502.0	503.0
Production Casing, 6,316.0ftKB									
OD (in)		Wt/Len (lb/ft)		String Grade		Top Connection		Top (ftKB)	Set Depth (ftKB)
5 1/2		17.00		P-110				14.5	6,316.0
Item Des				Jts		Len (ft)		Top (ftKB)	Btm (ftKB)
Casing Joints				103		4,414.50		14.5	4,429.0
Stage Tool						2.00		4,429.0	4,431.0
Casing Joints				44		1,840.00		4,431.0	6,271.0
Float Collar						1.50		6,271.0	6,272.5
Casing Joints				1		42.00		6,272.5	6,314.5
Float Shoe						1.50		6,314.5	6,316.0
Cement									
Description			Cementing Start Date			Cementing End Date			
Surface Cement			11/4/2013			11/4/2013			
Comment									
Cmt 254sx of Type III. Circ., 25bbls cmt to surface.									

Enduring Resources IV - Production WBD

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

Horizontal, Original Hole, 12/21/2021 8:08:47 AM		Cement			
MD (ftKB)	Vertical schematic (actual)	Description Production Cement	Cementing Start Date 11/7/2013	Cementing End Date 11/7/2013	
		Comment Stg1:Cmt w/ 145sx Premium Lite HS FM. Tailed w/ 150sx Type III. Circ. 20bbls of cmt to surface. Stg2: Cmt w/ 540sx Premium Lite HS FM, Tailed w/ 50sx Type III. Circ. 30bbls of cmt to surface.			
0.3		Des:Polished Rod; OD:1 1/4 in; Length:26.00 ft; Btm MD:26.3 ftKB			
14.4					
15.1			Des:Tubing Hanger; OD:4 3/4 in; ID:2.44 in; Length:0.65 ft; Top MD:14.5 ftKB		
26.2		Des:Pony Rod; OD:3/4 in; Length:2.00 ft; Btm MD:28.3 ftKB			
28.2		Des:Pony Rod; OD:3/4 in; Length:4.00 ft; Btm MD:32.3 ftKB			
32.2		Des:Pony Rod; OD:3/4 in; Length:6.00 ft; Btm MD:38.3 ftKB			
38.4					
461.0					
461.9					
502.0					
503.0					
509.8					
1,348.1					
2,607.3		Des:Sucker Rod; OD:3/4 in; Length:4,825.00 ft; Btm MD:4,863.3 ftKB			
4,429.1					
4,430.1					
4,431.1					
4,863.2					
4,915.0			Des:Tubing Anchor (AS1-X Style); OD:4 3/4 in; ID:2.44 in; Length:4.07 ft; Top MD:4,914.9 ftKB		
4,919.0		Des:Sucker Rod (Guided); OD:3/4 in; Length:1,000.00 ft; Btm MD:5,863.3 ftKB			
5,804.5	Des:Sink Bar; OD:1 1/2 in; Length:250.00 ft; Btm MD:6,113.3 ftKB				
5,863.2	Des:Stabilizer Rod; OD:7/8 in; Length:3.10 ft; Btm MD:6,116.4 ftKB				
6,113.2	Des:Shear Coupling (21K); OD:3/4 in; Length:0.60 ft; Btm MD:6,117.0 ftKB				
6,116.5	Des:Rod Insert Pump (2-1/2" x 1-1/2" x 16" RHBC); OD:2 1/2 in; Length:16.00 ft; Btm MD:6,133.0 ftKB				
6,117.1					
6,131.9		Des:Pump Seating Nipple; OD:2 7/8 in; ID:2.31 in; Length:1.10 ft; Top MD:6,131.9 ftKB			
6,132.9					
6,137.1	Des:Dip Tube; OD:1 in; Length:14.00 ft; Btm MD:6,147.0 ftKB				
6,147.0					
6,169.9					
6,170.6		Des:Tubing - Production; OD:2 7/8 in; ID:2.31 in; Length:6,156.06 ft; Top MD:14.5 ftKB			
6,271.0		Des:Plug Back Total Depth; Depth MD:6,271.0 ftKB; Date:11/8/2013			
6,272.6					
6,314.6					
6,315.9					
6,325.1					

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 68487

COMMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 68487
	Action Type: [C-103] Sub. Workover (C-103R)

COMMENTS

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

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