

Well Name: W ESCAVADA UNIT	Well Location: T22N / R7W / SEC 17 / SWSW / 36.133783 / -107.606148	County or Parish/State: SANDOVAL / NM
Well Number: 306H	Type of Well: OIL WELL	Allottee or Tribe Name: EASTERN NAVAJO
Lease Number: N0G13111801	Unit or CA Name: NMNM135218A	Unit or CA Number: NMNM135218A, NMNM135218X
US Well Number: 3004321313	Well Status: Approved Application for Permit to Drill	Operator: ENDURING RESOURCES LLC

Subsequent Report

Sundry ID: 2510671

Type of Submission: Subsequent Report

Date Sundry Submitted: 07/29/2021

Date Operation Actually Began: 07/01/2021

Type of Action: Workover Operations

Time Sundry Submitted: 11:30

Actual Procedure: Enduring Resources completed a workover on the W ESCAVADA UNIT 306H to repair the gas lift completion. An updated schematic is attached. EOT: 4,805' MD Packer: 4,763' MD GLVs: 1 @ 4,725', 2 @ 3,390', 3 @ 1,873' Job Start: 7/1/2021 Job End: 7/2/2021

SR Attachments

Actual Procedure

W_ESCAVADA_UNIT_306H_WBD_07022021_20210729112923.pdf

County or Parish/State:
SANDOVAL / NM

Allottee or Tribe Name:
EASTERN NAVAJO

Unit or CA Number:
NMNM135218A, NMNM135218X

Operator: ENDURING
RESOURCES LLC

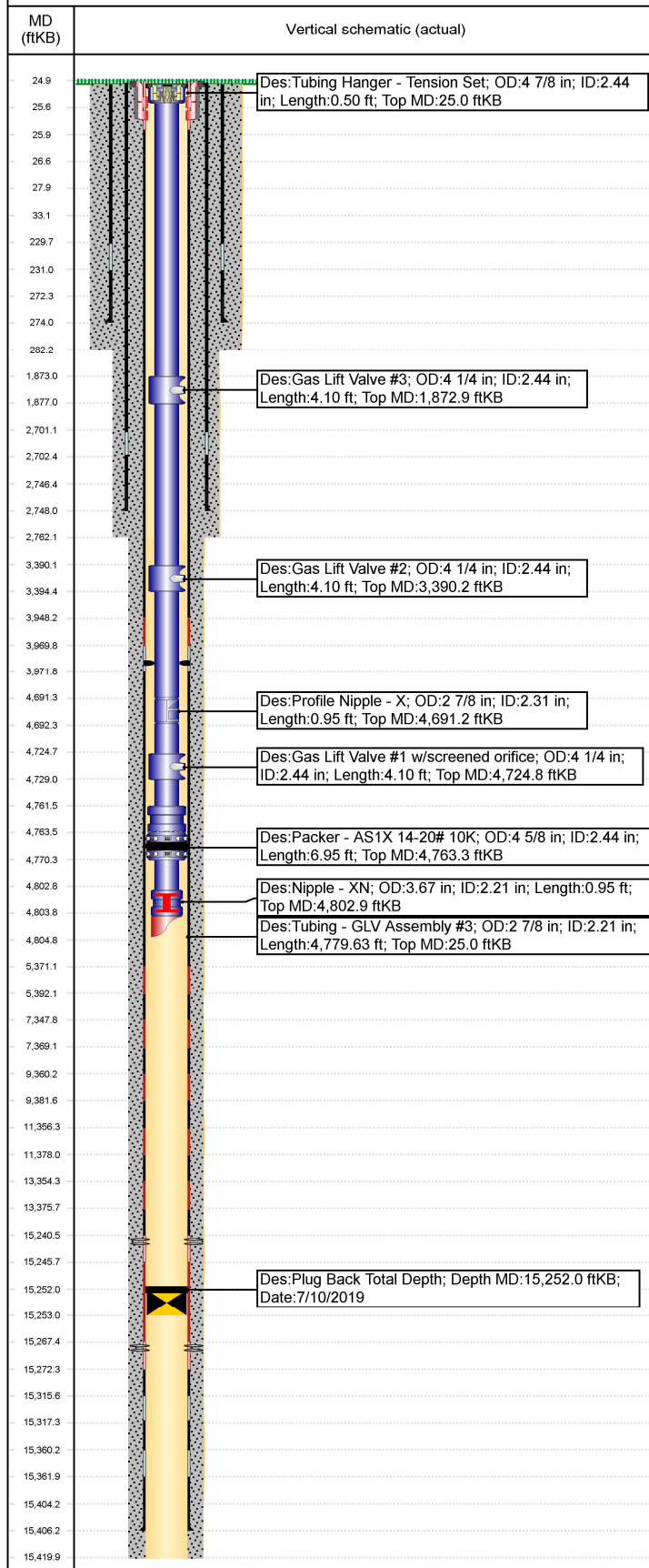


Enduring Resources IV - Production WBD

Well Name: W ESCAVADA UNIT 306H
NOTE: Well schematic is drawn vertically due to space constraints on the report. Please reference the directional surveys as needed.

API/UWI 30-043-21313	Surface Legal Location SW/4, SW/4, Sec 17 (M), Twp 22N, Rng...	Field Name Gallup Oil	License #	State/Province New Mexico	Well Configuration Type Horizontal
Original KB Elevation (ft) 6,830.00	KB-Tubing Head Distance (ft)	Spud Date 12/6/2018 11:30	Rig Release Date 1/4/2019 18:00	PBTD (All) (ftKB) Original Hole - 15,252.0	Total Depth All (TVD) (ftKB)

Horizontal, Original Hole, 7/27/2021 9:40:39 PM



Wellbore Sections

Section Des	Size (in)	Act Top (ftKB)	Act Top (TVD) (ftKB)	Act Btm (ftKB)	Act Btm (TVD) (ftKB)
Surface Hole	17 1/2	25.0	25.0	282.0	282.0
Intermediate Hole	12 1/4	282.0	282.0	2,762.0	2,728.5
Production Hole	8 1/2	2,762.0	2,728.5	15,420.0	

Rod Strings

Rod Description	Run Date	String Length (ft)	Set Depth (ftKB)
Item Des	Jts	OD (in)	Len (ft)
			Top (ftKB)
			Btm (ftKB)

Tubing - GLV Assembly #3 set at 4,804.6ftKB on 7/2/2021 08:00

Tubing Description Tubing - GLV Assembly #3		Run Date 7/2/2021			String Length (ft) 4,779.63		Set Depth (ftKB) 4,804.6	
Item Des	Jts	Grade	Wt (lb/ft)	OD (in)	ID (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger - Tension Set				4 7/8	2.44	0.50	25.0	25.5
Tubing	57	L-80	6.50	2 7/8	2.44	1,847.43	25.5	1,872.9
Gas Lift Valve #3	1			4 1/4	2.44	4.10	1,872.9	1,877.0
Tubing	49	L-80	6.50	2 7/8	2.44	1,513.14	1,877.0	3,390.2
Gas Lift Valve #2	1			4 1/4	2.44	4.10	3,390.2	3,394.3
Tubing	42	L-80	6.50	2 7/8	2.44	1,296.95	3,394.3	4,691.2
Profile Nipple - X	1			2 7/8	2.31	0.95	4,691.2	4,692.2
Tubing	1	L-80	6.50	2 7/8	2.44	32.62	4,692.2	4,724.8
Gas Lift Valve #1 w/screened orifice	1			4 1/4	2.44	4.10	4,724.8	4,728.9
Tubing	1	L-80	6.50	2 7/8	2.44	32.61	4,728.9	4,761.5
On-Off Tool	1			4 1/2	2.44	1.85	4,761.5	4,763.4
Packer - AS1X 14-20# 10K	1			4 5/8	2.44	6.95	4,763.4	4,770.3
Tubing	1	L-80	6.50	2 7/8	2.44	32.63	4,770.3	4,802.9
Nipple - XN	1			3.668	2.21	0.95	4,802.9	4,803.9
Mule Shoe	1			3.67	2.44	0.75	4,803.9	4,804.6

Surface Casing, 273.9ftKB

OD (in) 13 3/8	Wt/Len (lb/ft) 54.50	String Grade J-55	Top Connection	Top (ftKB) 25.0	Set Depth (ftKB) 273.9	
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Joints			5	204.69	25.0	229.7
Float Collar				1.24	229.7	230.9
Casing Joints			1	41.30	230.9	272.2
Float Shoe				1.65	272.2	273.9

Intermediate Casing, 2,748.0ftKB

OD (in) 9 5/8	Wt/Len (lb/ft) 36.00	String Grade J-55	Top Connection LT&C	Top (ftKB) 25.0	Set Depth (ftKB) 2,748.0
Item Des		Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Landing Joint - 30.05'		1	0.00	25.0	25.0
Mandrel		1	3.00	25.0	28.0
Pup Joint		1	5.20	28.0	33.2
Casing Joints		62	2,668.08	33.2	2,701.2
Float Collar		1	1.04	2,701.2	2,702.3
Casing Joints		1	44.10	2,702.3	2,746.4
Float Shoe		1	1.62	2,746.4	2,748.0

Production Casing, 15,406.2ftKB

OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)	
5 1/2	17.00	P-110	LT&C	24.8	15,406.2	
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Joints			0	0.00	24.8	24.8
Landing Joint - 27.45'			1	0.00	24.8	24.8
Mandrel Hanger			1	1.00	24.8	25.8

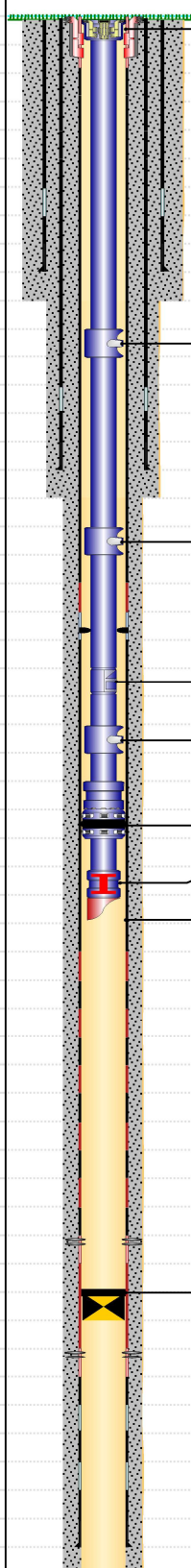


Enduring Resources IV - Production WBD

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Horizontal, Original Hole, 7/27/2021 9:40:42 PM		Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
MD (ftKB)	Vertical schematic (actual)					
24.9		Des:Tubing Hanger - Tension Set; OD:4 7/8 in; ID:2.44 in; Length:0.50 ft; Top MD:25.0 ftKB				
25.6						
25.9						
26.6						
27.9						
33.1						
229.7						
231.0						
272.3						
274.0						
282.2						
1,873.0			Des:Gas Lift Valve #3; OD:4 1/4 in; ID:2.44 in; Length:4.10 ft; Top MD:1,872.9 ftKB			
1,877.0						
2,701.1						
2,702.4						
2,746.4						
2,748.0						
2,762.1						
3,390.1			Des:Gas Lift Valve #2; OD:4 1/4 in; ID:2.44 in; Length:4.10 ft; Top MD:3,390.2 ftKB			
3,394.4						
3,948.2						
3,969.8						
3,971.8						
4,691.3		Des:Profile Nipple - X; OD:2 7/8 in; ID:2.31 in; Length:0.95 ft; Top MD:4,691.2 ftKB				
4,692.3						
4,724.7		Des:Gas Lift Valve #1 w/screened orifice; OD:4 1/4 in; ID:2.44 in; Length:4.10 ft; Top MD:4,724.8 ftKB				
4,729.0						
4,761.5						
4,763.5		Des:Packer - AS1X 14-20# 10K; OD:4 5/8 in; ID:2.44 in; Length:6.95 ft; Top MD:4,763.3 ftKB				
4,770.3						
4,802.8		Des:Nipple - XN; OD:3.67 in; ID:2.21 in; Length:0.95 ft; Top MD:4,802.9 ftKB				
4,803.8						
4,804.8		Des:Tubing - GLV Assembly #3; OD:2 7/8 in; ID:2.21 in; Length:4,779.63 ft; Top MD:25.0 ftKB				
5,371.1						
5,392.1						
7,347.8						
7,369.1						
9,360.2						
9,361.6						
11,356.3						
11,378.0						
13,354.3						
13,375.7						
15,240.5						
15,245.7						
15,252.0		Des:Plug Back Total Depth; Depth MD:15,252.0 ftKB; Date:7/10/2019				
15,253.0						
15,267.4						
15,272.3						
15,315.6						
15,317.3						
15,360.2						
15,361.9						
15,404.2						
15,406.2						
15,419.9						
		Pup Joint	1	0.60	25.8	26.4
		Casing Joints	93	3,921.72	26.4	3,948.2
		Marker Joint G	1	21.52	3,948.2	3,969.7
		NCS Airlock Sub	1	2.05	3,969.7	3,971.7
		Casing Joints	33	1,399.20	3,971.7	5,370.9
		Marker Joint F	1	21.19	5,370.9	5,392.1
		Casing Joints	46	1,955.56	5,392.1	7,347.7
		Marker Joint E	1	21.49	7,347.7	7,369.2
		Casing Joints	48	1,991.11	7,369.2	9,360.3
		Marker Joint D	1	21.30	9,360.3	9,381.6
		Casing Joints	47	1,974.80	9,381.6	11,356.4
		Marker Joint C	1	21.64	11,356.4	11,378.0
		Casing Joints	47	1,976.17	11,378.0	13,354.2
		Marker Joint B	1	21.62	13,354.2	13,375.8
		Casing Joints	44	1,864.75	13,375.8	15,240.6
		Frac Sleeve	1	5.10	15,240.6	15,245.7
		Marker Joint A	1	21.61	15,245.7	15,267.3
		Frac Sleeve	1	5.10	15,267.3	15,272.4
		Casing Joints	1	43.18	15,272.4	15,315.6
		Float Collar	1	1.60	15,315.6	15,317.2
		Casing Joints	1	43.07	15,317.2	15,360.2
		Float Collar	1	1.60	15,360.2	15,361.8
		Casing Joints	1	42.48	15,361.8	15,404.3
		Float Shoe	1	1.90	15,404.3	15,406.2
		Cement				
		Description	Cementing Start Date		Cementing End Date	
		Surface Cement	12/7/2018		12/7/2018	
		Comment PJSM, test lines, pump 20 bbls FW spacer & 67.3 bbls Type G cmt (315 sxs) @ 15.8 PPG, drop plug & disp w/ 31.8 bbls H2O, bump plug @ 80 psi, circ 25 bbls good cmt to surface.				
		Description	Cementing Start Date		Cementing End Date	
		Intermediate Casing Cement	12/18/2018		12/18/2018	
		Comment PJSM with Halliburton., Cement Off Line 1 1/2 Hours Pressure tested lines to 5000 psi. Pumped 10 bbls FW, 20 bbls Chem Wash, & 10 bbls of FW. Pumped Lead Cement: 204.1bbls (580sk.)Pumped tail cement 37.8bbls (180 sk) Dropped plug & began displacement. Displaced with 206.0. bbls FW. Slowed rate to 3 BPM for last 20 bbls. Plug bumped f/ 850 psi Floats Hold Preasure Up to 1,250 and Hold. Maintained returns throughout job and circulated 81 bbls got 80 bbls of good cement to surface. Top of Lead: Surface. Top of Tail: 2135 ft MD. Released Rig @ 09:00 12/18/2018				
		Description	Cementing Start Date		Cementing End Date	
		Production Casing Cement	12/31/2018		12/31/2018	
		Comment Cement PROD CSG with Halliburton. Held PJSM and tested lines to 5,000 psi. Pumped 10 bbls fw spacer, 60 bbls tuned spacer at 11.5 ppg, 202.4 bbls (595 sx) Lead cement at 12.5 ppg, 516 bbls (2130 sx) of Tail cement at 13.3 ppg. Dropped (2) top plugs and displaced with 355.3 bbls of FW (1st 40 bbls with MMCR). Maintained returns throughout cement job. Plug bumped and floats held. Circulated 55 bbls cement to surface. Estimated top of lead: surface, top of tail: 2,806 ft MD.				

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 53634

COMMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 53634
	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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State of New Mexico
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CONDITIONS

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Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 53634
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CONDITIONS

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