

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. **N0G13121857**6. If Indian, Allottee or Tribe Name
EASTERN NAVAJO***SUBMIT IN TRIPLICATE - Other instructions on page 2***

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
ENDURING RESOURCES LLC3a. Address **1050 17TH STREET SUITE 2500, DENVER, CO** 3b. Phone No. (include area code)
(303) 573-12224. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SEC 23/T23N/R09W/NMP7. If Unit of CA/Agreement, Name and/or No.
NMNM135216A8. Well Name and No. **W LYBROOK UNIT/724H**9. API Well No. **3004538261**

10. Field and Pool or Exploratory Area

11. Country or Parish, State
SAN JUAN/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 performed a drillout and initial gas lift installation. An updated well schematic is attached.

EOT: 4669 MD

Packer: 4595 MD

GLVs: 2028, 2743, 3364, 3953 MD

Orifice Valve: 4512 MD

Job Start: 02.28.2022

Job End: 03.01.2022

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
HEATHER HUNTINGTON / Ph: (505) 636-9751

Title **Permitting Technician**

Signature

Date

05/04/2022

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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

Title **Petroleum Engineer**

Date **05/13/2022**

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)



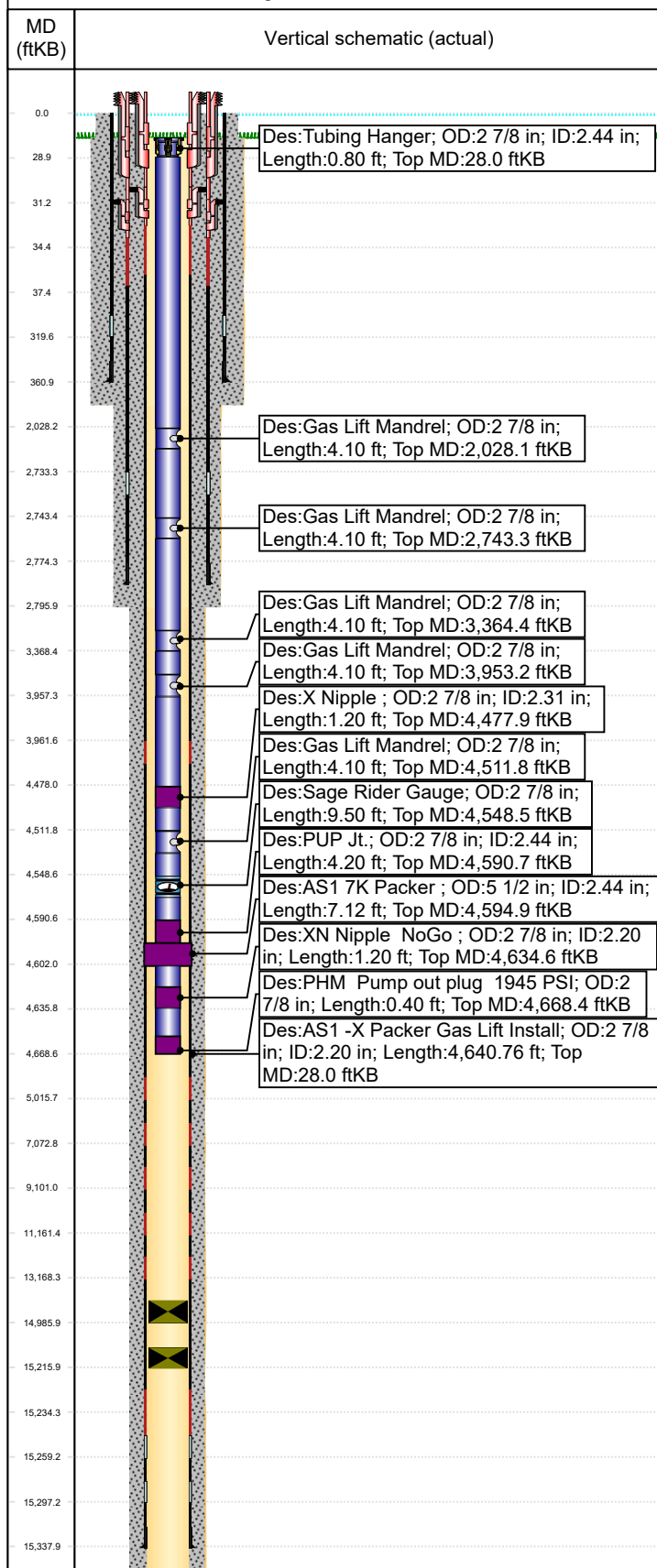
Enduring Resources IV - Production WBD

Well Name: W LYBROOK UNIT 724H

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

API/UWI 30-045-38261	Surface Legal Location (Unit J) NW/4, SE/4, Section 23, Twp 23N...	Field Name LYBROOK MANCOS W	License #	State/Province NEW MEXICO	Well Configuration Type Horizontal
Original KB Elevation (ft) 6,747.00	KB-Tubing Head Distance (ft)	Spud Date 8/16/2021 07:15	Rig Release Date	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB) Original Hole - 4,330.2

Horizontal, Original Hole, 4/28/2022 9:13:44 AM



Wellbore Sections

Section Des	Size (in)	Act Top (ftKB)	Act Top (TVD) (ftKB)	Act Btm (ftKB)	Act Btm (TVD) (ftKB)
Surface	17 1/2	28.0		396.0	
Intermediate	12 1/4	396.0		2,796.0	2,638.3
Production	8 1/2	2,796.0	2,638.3	15,348.0	4,330.2

Rod Strings

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

AS1 -X Packer Gas Lift Install set at 4,668.8ftKB on 2/28/2022 08:00

Tubing Description	Run Date	String Length (ft)	Set Depth (ftKB)
AS1 -X Packer Gas Lift Install	2/28/2022	4,640.76	4,668.8
Item Des	Jts	Grade	Wt (lb/ft)
		OD (in)	ID (in)
		Len (ft)	Top (ftKB)
			Btm (ftKB)
Tubing Hanger		L-80	6.40
		2 7/8	2.44
			0.80
			28.0
			28.8
Tubing	62	L-80	6.40
		2 7/8	2.44
			1,999.35
			28.8
			2,028.2
Gas Lift Mandrel			
			4.10
			2,028.2
			2,032.3
Tubing	22	L-80	6.40
		2 7/8	2.44
			711.07
			2,032.3
			2,743.3
Gas Lift Mandrel			
			2 7/8
			4.10
			2,743.3
			2,747.4
Tubing	19	L-80	6.40
		2 7/8	2.44
			616.99
			2,747.4
			3,364.4
Gas Lift Mandrel			
			2 7/8
			4.10
			3,364.4
			3,368.5
Tubing	18	L-80	6.40
		2 7/8	2.44
			584.71
			3,368.5
			3,953.2
Gas Lift Mandrel			
			2 7/8
			4.10
			3,953.2
			3,957.3
Tubing	16	L-80	6.40
		2 7/8	2.44
			520.59
			3,957.3
			4,477.9
X Nipple			
			2 7/8
			2.31
			1.20
			4,477.9
			4,479.1
Tubing	1	L-80	6.40
		2 7/8	2.44
			32.65
			4,479.1
			4,511.8
Gas Lift Mandrel			
			2 7/8
			4.10
			4,511.8
			4,515.9
Tubing	1	L-80	6.40
		2 7/8	2.44
			32.65
			4,515.9
			4,548.5
Sage Rider Gauge			
			2 7/8
			9.50
			4,548.5
			4,558.0
Tubing		L-80	6.40
		2 7/8	2.44
			32.65
			4,558.0
			4,590.7
PUP Jt.	1	L-80	6.40
		2 7/8	2.44
			4.20
			4,590.7
			4,594.9
AS1 7K Packer			
			5 1/2
			2.44
			7.12
			4,594.9
			4,602.0
Tubing	1	L-80	6.40
		2 7/8	2.44
			32.58
			4,602.0
			4,634.6
XN Nipple NoGo			
			2 7/8
			2.20
			1.20
			4,634.6
			4,635.8
Tubing	1	L-80	6.40
		2 7/8	2.44
			32.60
			4,635.8
			4,668.4
PHM Pump out plug 1945 PSI			
			2 7/8
			0.40
			4,668.4
			4,668.8

Surface, 361.0ftKB

OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
13 3/8	54.50	J-55	Buttress Thread	0.1	361.0
Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	
Casing Joints	8	317.76	0.1	317.8	
Float Collar	1	1.62	317.8	319.4	
Casing Joints	1	39.73	319.4	359.2	
Float Shoe	1	1.84	359.2	361.0	

Intermediate, 2,776.0ftKB

OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
9 5/8	36.00	J-55	LT&C	-5.2	2,776.0
Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	
Landing	1	36.25	-5.2	31.1	
Casing Hanger	1	3.20	31.1	34.3	
Casing Pup Joint	1	3.00	34.3	37.3	



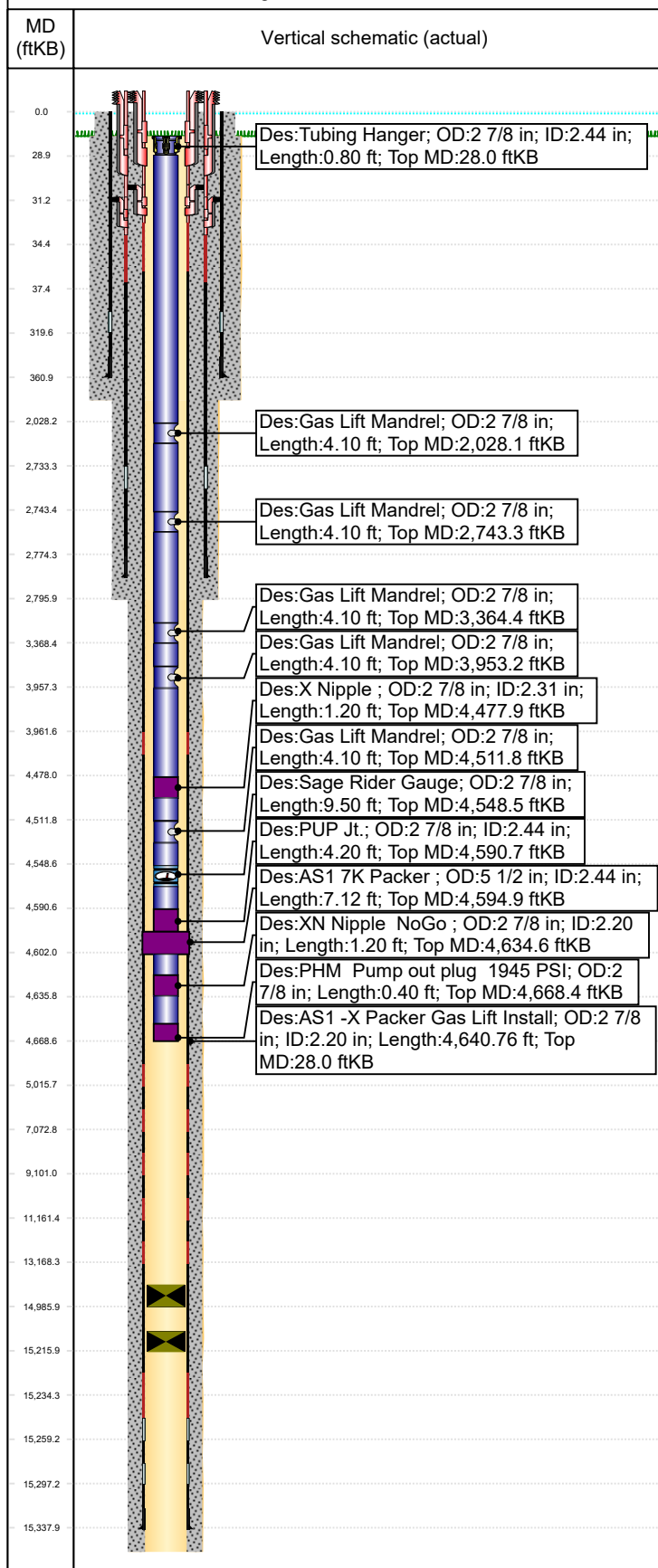
Enduring Resources IV - Production WBD

Well Name: W LYBROOK UNIT 724H

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

API/UWI 30-045-38261	Surface Legal Location (Unit J) NW/4, SE/4, Section 23, Twp 23N...	Field Name LYBROOK MANCOS W	License #	State/Province NEW MEXICO	Well Configuration Type Horizontal
Original KB Elevation (ft) 6,747.00	KB-Tubing Head Distance (ft)	Spud Date 8/16/2021 07:15	Rig Release Date	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB) Original Hole - 4,330.2

Horizontal, Original Hole, 4/28/2022 9:13:46 AM



Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Joints	68	2,696.02	37.3	2,733.3
Float Collar	1	1.35	2,733.3	2,734.7
Casing Joints	1	39.74	2,734.7	2,774.4
Float Shoe	1	1.60	2,774.4	2,776.0

Production, 15,338.0ftKB

OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
5 1/2	17.00	P-110	LT&C	-5.3	15,338.0

Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Joints	0	0.00	-5.3	-5.3
Landing Joint	1	36.24	-5.3	30.9
Casing Hanger	1	3.20	30.9	34.1
Casing Pup Joint	1	3.00	34.1	37.1
Casing Joints	104	3,922.57	37.1	3,959.7
Air Lock	1	1.92	3,959.7	3,961.6
Marker Joint	1	21.78	3,961.6	3,983.4
Casing Joints	26	1,009.26	3,983.4	4,992.7
Marker Joint	1	23.05	4,992.7	5,015.7
Casing Joints	52	2,034.11	5,015.7	7,049.8
Marker Joint	1	22.95	7,049.8	7,072.8
Casing Joints	52	2,005.28	7,072.8	9,078.1
Marker Joint	1	22.90	9,078.1	9,101.0
Casing Joints	55	2,037.38	9,101.0	11,138.3
Marker Joint	1	23.00	11,138.3	11,161.3
Casing Joints	51	1,984.27	11,161.3	13,145.6
Marker Joint	1	22.62	13,145.6	13,168.2
Casing Joints	56	2,060.93	13,168.2	15,229.2
Toe Sleeve	1	5.10	15,229.2	15,234.3
Marker Joint	1	23.01	15,234.3	15,257.3
Float Collar	1	1.92	15,257.3	15,259.2
Casing Joints	1	36.21	15,259.2	15,295.4
Float Collar	1	1.92	15,295.4	15,297.3
Casing Joints	1	39.06	15,297.3	15,336.4
Float Shoe	1	1.63	15,336.4	15,338.0

Cement

Description	Cementing Start Date	Cementing End Date
Surface Casing Cement	8/17/2021	8/17/2021

Comment

PJSM , Test Lines , Pumped 20 bbl Water Spacer , Batch Mix 86.7 bbl Type III Cement (350 sks) , 14.6 ppg , Shut Down Drop Plug , Displace With 50.2 bbl Water , Bump Plug With 335 psi , 20 bbl Good Cement To Surface , Check Float , Float Held Bled 1/2 bbl Back

Description	Cementing Start Date	Cementing End Date
Intermediate Casing Cement	10/19/2021	10/19/2021

Comment

Cement Offline as follows:

PJSM with Drake Energy Services. Pressure tested lines to 2500 psi. Pumped 160 bbls mud to circulate well; Pumped 20 bbls FW, 20 bbls D-Mud Breaker, & 10 bbls of FW. Pumped Lead Cement: 203 bbls (617 sx) 90:10 Poz:Type III at 12.5 ppg, 2.14 ft3/sk, 12.05 gal H2O/sk. Pumped Tail Cement: 30 bbls (52sx) Type III Blend at 14.6 ppg, 1.38 ft3/sk, 6.64 gal H2O/sk. Dropped plug & began displacement. Displaced with 211.4 bbls FW. FCP at 840 psi and plug bump With 1354 PSI Maintained returns throughout job. Calculated 75. bbls of good cement to surface. Top of Lead to surface and top of tail at 2,333 ft MD. Released Rig @ 15:30 10/19/2021 to the W. Lybrook Unit 758 H. (Cement 01:00 Hour,s To 06:14 Hour,s on -10-19-2021)



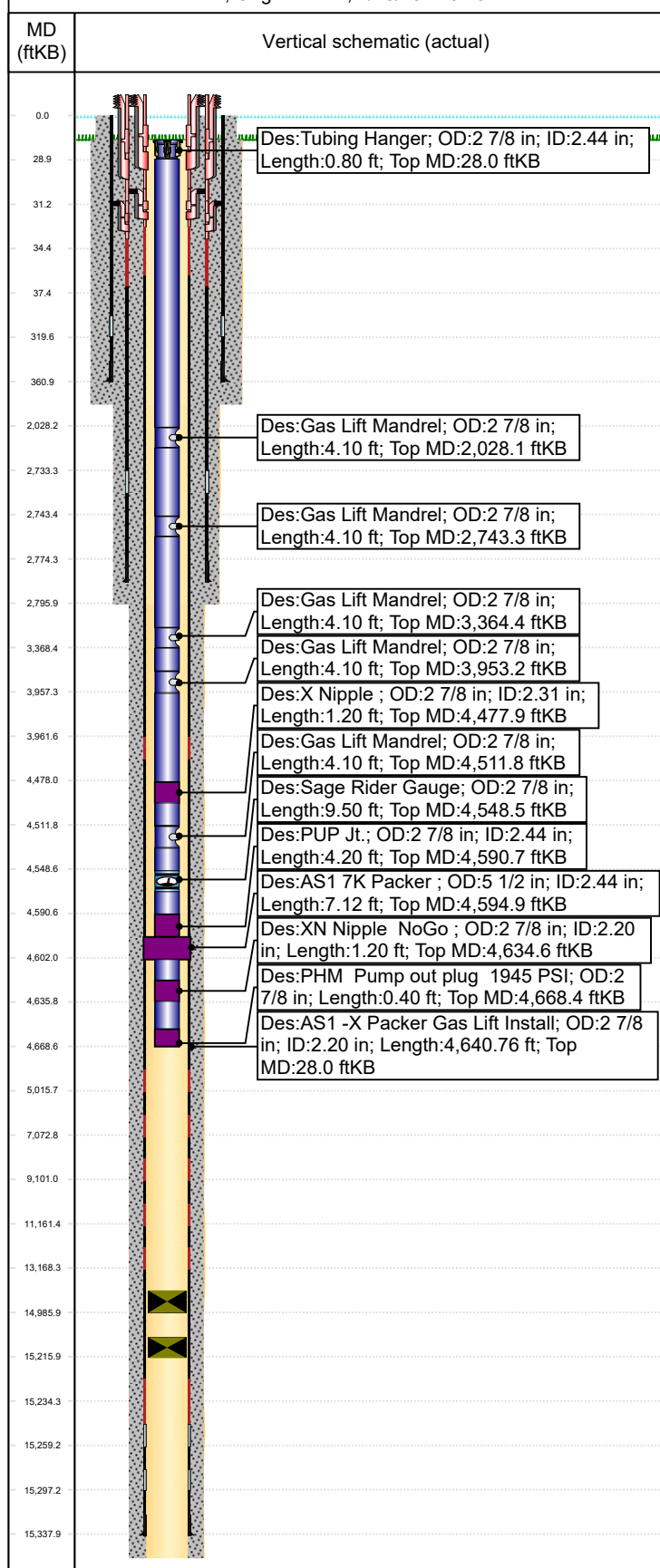
Enduring Resources IV - Production WBD

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

API/UWI 30-045-38261	Surface Legal Location (Unit J) NW/4, SE/4, Section 23, Twp 23N...	Field Name LYBROOK MANCOS W	License #	State/Province NEW MEXICO	Well Configuration Type Horizontal
Original KB Elevation (ft) 6,747.00	KB-Tubing Head Distance (ft)	Spud Date 8/16/2021 07:15	Rig Release Date	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB) Original Hole - 4,330.2

Horizontal, Original Hole, 4/28/2022 9:13:47 AM



Cement

Description Production Casing Cement	Cementing Start Date 12/7/2021	Cementing End Date 12/8/2021
Comment Cement Summary: PJSM with American Cementing. Pressure tested lines to 7000 psi. Pumped 60 bbls Intraguard Star @ 11.0 ppg. Pumped Lead Cement: 236. bbls (561 sx) ASTM Type III at 12.4 ppg, 2.39 ft3/sk, 13.4 gal H2O/sk. Pumped Tail Cement: 498 bbls (1789 sx) Class G Cement at 13.3 ppg, 1.56 ft3/sk, 7.7 gal H2O/sk. Washed lines, dropped plug & began displacement. Displaced with 355 bbls FW with cement retarder in 1st 50 bbls. FCP at 1,967 psi and plug bumped at 4.0 bpm to 3,000 psi. Bled back 3.5 Bbls and floats held. Top of Tail: Calculated 2,299 ft MD. Tof of Lead: surface Calculated Cement Back 80 BBL Cement in place at 03:55 on 12/8/2021		

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 113090

COMMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 113090
	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
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811 S. First St., Artesia, NM 88210
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District III
1000 Rio Brazos Rd., Aztec, NM 87410
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District IV
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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 113090

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 113090
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

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