

Well Name: W LYBROOK UNIT	Well Location: T23N / R9W / SEC 27 / NENW / 36.202012 / -107.776799	County or Parish/State: SAN JUAN / NM
Well Number: 730H	Type of Well: OIL WELL	Allottee or Tribe Name: EASTERN NAVAJO
Lease Number: NMNM121961	Unit or CA Name:	Unit or CA Number: NMNM135216A
US Well Number: 3004535843	Well Status: Drilling Well	Operator: ENDURING RESOURCES LLC

Subsequent Report

Sundry ID: 2685821

Type of Submission: Subsequent Report	Type of Action: Workover Operations
Date Sundry Submitted: 08/04/2022	Time Sundry Submitted: 03:23
Date Operation Actually Began: 07/25/2022	

Actual Procedure: Enduring Resources performed a drillout and initial gas lift installation. An updated well schematic is attached. EOT: 4847' MD Packer: 4772' MD GLVs: 2059', 2977', 3569', 4134' MD Orifice Valve: 4731' MD Job Start: 07.25.2022 Job End: 07.28.2022

SR Attachments

Actual Procedure

W._LYBROOK_730H___Production_WBD_08032022_20220804152221.pdf

Received by OCD: 8/17/2022 2:28:04 PM

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County or Parish/State: SAN JUAN / NM

Well Number: 730H

Type of Well: OIL WELL

Allottee or Tribe Name: EASTERN NAVAJO

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Unit or CA Name:

Unit or CA Number: NMNM135216A

US Well Number: 3004535843

Well Status: Drilling Well

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Operator

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

Operator Electronic Signature: HEATHER HUNTINGTON

Signed on: AUG 04, 2022 03:23 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 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: 08/12/2022

Signature: Kenneth Rennick

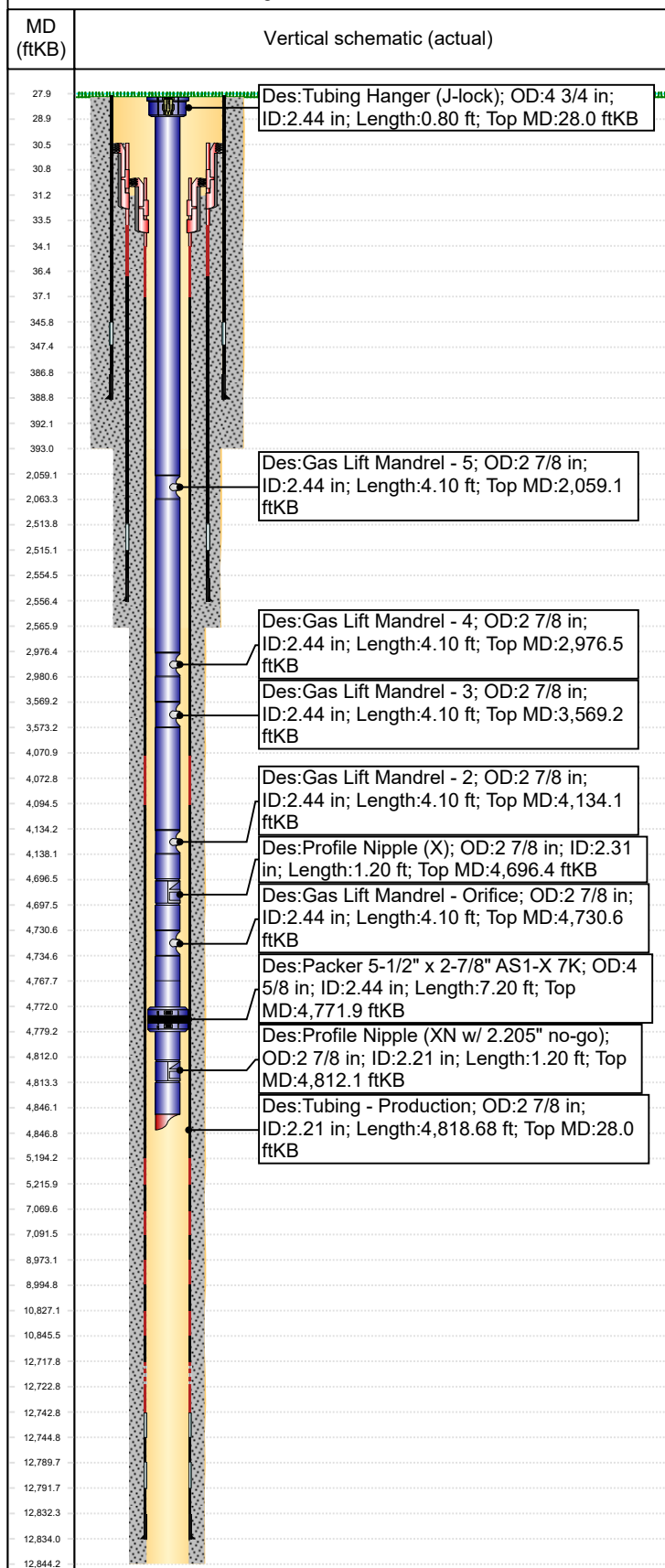


Enduring Resources IV - Production WBD

Well Name: W LYBROOK UNIT 730H
NOTE: Well schematic is drawn vertically due to space constraints on the report. Please reference the directional surveys as needed.

API/UWI 30-045-35843	Surface Legal Location (UNIT C) NE/4, NW/4, SECTION 27, T23...	Field Name CHACO	License #	State/Province NEW MEXICO	Well Configuration Type Horizontal
Original KB Elevation (ft) 6,669.00	KB-Tubing Head Distance (ft)	Spud Date 2/3/2022 11:30	Rig Release Date	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB) Original Hole - 4,591.8

Horizontal, Original Hole, 8/3/2022 10:49:17 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	28.0	393.0	393.0
Intermediate	12 1/4	393.0	393.0	2,566.0	2,474.6
Production	8 1/2	2,566.0	2,474.6	12,844.0	4,591.8

Rod Strings

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

Tubing - Production set at 4,846.7ftKB on 7/28/2022 12:00

Tubing Description		Run Date			String Length (ft)		Set Depth (ftKB)	
Tubing - Production		7/28/2022			4,818.68		4,846.7	
Item Des	Jts	Grade	Wt (lb/ft)	OD (in)	ID (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger (J-lock)	1			4 3/4	2.44	0.80	28.0	28.8
Tubing	62	L-80	6.50	2 7/8	2.44	2,030.34	28.8	2,059.1
Gas Lift Mandrel - 5	1			2 7/8	2.44	4.10	2,059.1	2,063.2
Tubing	28	L-80	6.50	2 7/8	2.44	913.28	2,063.2	2,976.5
Gas Lift Mandrel - 4	1			2 7/8	2.44	4.10	2,976.5	2,980.6
Tubing	18	L-80	6.50	2 7/8	2.44	588.59	2,980.6	3,569.2
Gas Lift Mandrel - 3	1			2 7/8	2.44	4.10	3,569.2	3,573.3
Tubing	17	L-80	6.50	2 7/8	2.44	560.78	3,573.3	4,134.1
Gas Lift Mandrel - 2	1			2 7/8	2.44	4.10	4,134.1	4,138.2
Tubing	17	L-80	6.50	2 7/8	2.44	558.25	4,138.2	4,696.4
Profile Nipple (X)	1			2 7/8	2.31	1.20	4,696.4	4,697.6
Tubing	1	L-80	6.50	2 7/8	2.44	32.96	4,697.6	4,730.6
Gas Lift Mandrel - Orifice	1			2 7/8	2.44	4.10	4,730.6	4,734.7
Tubing	1	L-80	6.50	2 7/8	2.44	32.99	4,734.7	4,767.7
Tubing (pup jt)	1	L-80	6.50	2 7/8	2.44	4.20	4,767.7	4,771.9
Packer 5-1/2" x 2-7/8" AS1-X 7K	1		2.44	4 5/8	2.44	7.20	4,771.9	4,779.1
Tubing	1	L-80	6.50	2 7/8	2.44	32.99	4,779.1	4,812.1
Profile Nipple (XN w/ 2.205" no-go)	1			2 7/8	2.21	1.20	4,812.1	4,813.3
Tubing	1	L-80	6.50	2 7/8	2.44	33.00	4,813.3	4,846.3
Half Mule Shoe (without pump-out-plug)	1			2 7/8	2.44	0.40	4,846.3	4,846.7

Surface, 388.8ftKB

OD (in) 13 3/8	Wt/Len (lb/ft) 54.50	String Grade J-55	Top Connection Buttress Thread	Top (ftKB) 28.0	Set Depth (ftKB) 388.8	
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Joints			8	317.74	28.0	345.7
Float Collar			1	1.62	345.7	347.3
Casing Joints			1	39.64	347.3	387.0
Float Shoe			1	1.84	387.0	388.8

Intermediate, 2,556.5ftKB

OD (in) 9 5/8	Wt/Len (lb/ft) 36.00	String Grade J-55	Top Connection LT&C	Top (ftKB) 30.4	Set Depth (ftKB) 2,556.5	
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Marker Joint			0	0.00	30.4	30.4
Casing Joints			0	0.00	30.4	30.4



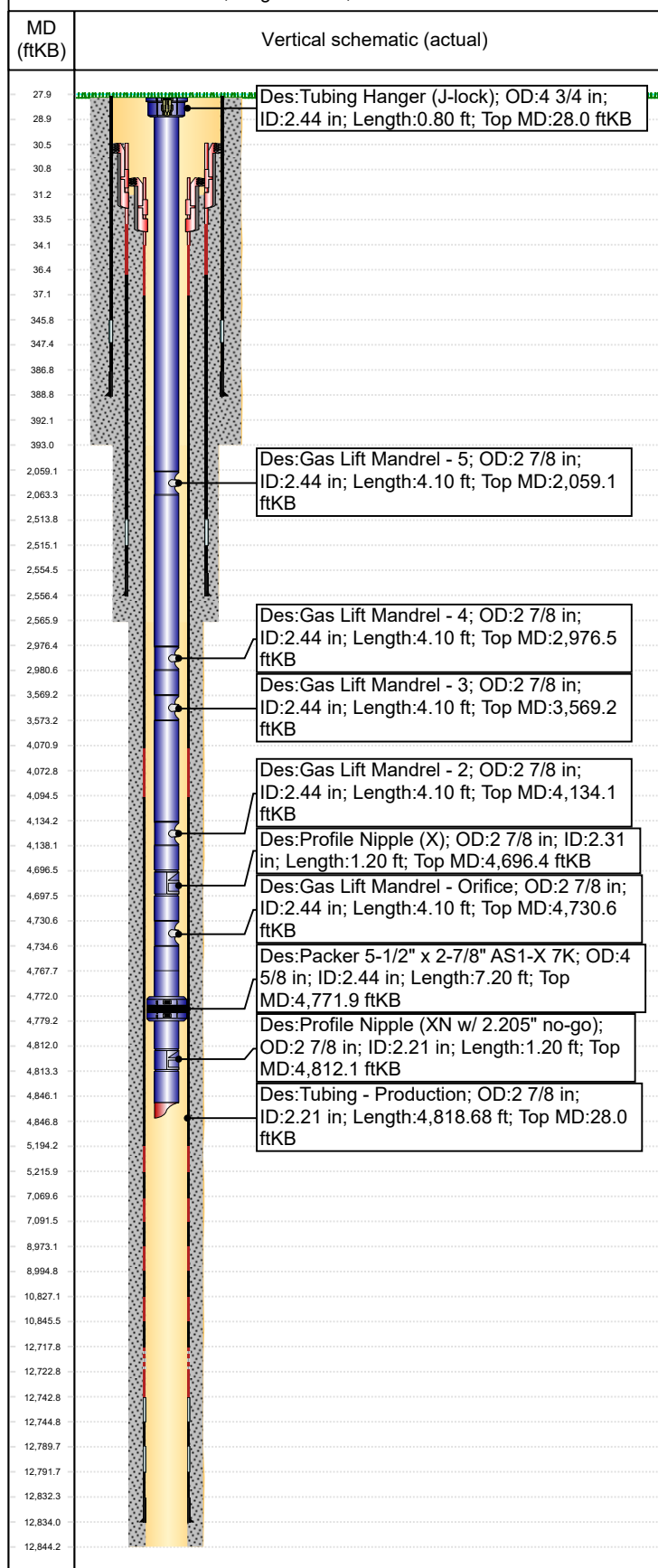
Enduring Resources IV - Production WBD

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Horizontal, Original Hole, 8/3/2022 10:49:19 AM



Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Landing Joint	0	0.00	30.4	30.4
Casing Hanger	1	3.20	30.4	33.6
Casing Pup Joint	1	3.00	33.6	36.6
Casing Joints	62	2,477.13	36.6	2,513.7
Float Collar	1	1.50	2,513.7	2,515.2
Casing Joints	1	39.40	2,515.2	2,554.6
Float Shoe	1	1.90	2,554.6	2,556.5

Production, 12,834.0ftKB

OD (in)	W/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
5 1/2	17.00	P-110	LT&C	30.9	12,834.0

Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Marker Joint H	0	0.00	30.9	30.9
Marker Joint G	0	0.00	30.9	30.9
Casing Joints	0	0.00	30.9	30.9
Landing Joint	0	0.00	30.9	30.9
Casing Hanger	1	3.20	30.9	34.1
Casing Pup Joint	1	3.00	34.1	37.1
Casing Joints	95	4,033.88	37.1	4,071.0
Air Lock	1	1.92	4,071.0	4,072.9
Marker Joint F	1	21.65	4,072.9	4,094.6
Casing Joints	26	1,099.48	4,094.6	5,194.1
Marker Joint E	1	21.79	5,194.1	5,215.9
Casing Joints	45	1,853.78	5,215.9	7,069.6
Marker Joint D	1	21.90	7,069.6	7,091.5
Casing Joints	46	1,881.44	7,091.5	8,973.0
Marker Joint C	1	21.77	8,973.0	8,994.8
Casing Joints	46	1,832.28	8,994.8	10,827.0
Marker Joint B	1	18.36	10,827.0	10,845.4
Casing Joints	45	1,872.43	10,845.4	12,717.8
Toe Sleeve	1	5.10	12,717.8	12,722.9
Marker Joint A	1	19.80	12,722.9	12,742.7
Float Collar	1	1.92	12,742.7	12,744.6
Casing Joints	1	45.02	12,744.6	12,789.7
Float Collar	1	1.92	12,789.7	12,791.6
Casing Joints	1	40.79	12,791.6	12,832.4
Guide Shoe	1	1.63	12,832.4	12,834.0

Cement

Description	Cementing Start Date	Cementing End Date
Surface Casing Cement	2/4/2022	2/4/2022

Comment

PJSM, test lines, pump 10 bbls FW spacer, 10 bbls Sapp sweep, 10 bbls FW spacer & 86.6 bbls Type III cmt (350 sxs) @ 14.6 PPG, drop plug & disp w/ 49.1 bbls H2O, Bump plug @ 775 psi, circ 40 bbls good cmt to surface

Description	Cementing Start Date	Cementing End Date
Intermediate Casing Cement	3/17/2022	3/17/2022

Comment

Cement Offline as follows: PJSM with Drake Energy Services. Pressure tested lines to 2,000 psi. Pumped 10 bbls FW, 20 bbls D-Mud Breaker, & 10 bbls of FW. Pumped Lead Cement: 185.3 bbls (468 sx) 90:10 Poz:Type III at 12.5 ppg, 2.14 ft3/sk, 12.05 gal H2O/sk. Pumped Tail Cement: 33.4 bbls (136 sx) Type III Blend at 14.6 ppg, 1.38 ft3/sk, 6.64 gal H2O/sk. Dropped plug & began displacement. Displaced with 191 bbls FW. FCP at 700 psi Didn't Bumped Plug Left 700 psi On Well. Shut in Maintained returns throughout job. Calculated 70 bbls to surface and got 28 bbls of good cement to surface. Top of Lead to surface and top of tail at 2,017- ft MD. Released Rig @ 06:00 3/17/2022 to the W. Lybrook Unit 830 H. (Cement 0830 Hour's To 10:20 Hour's on -3/17/2022)

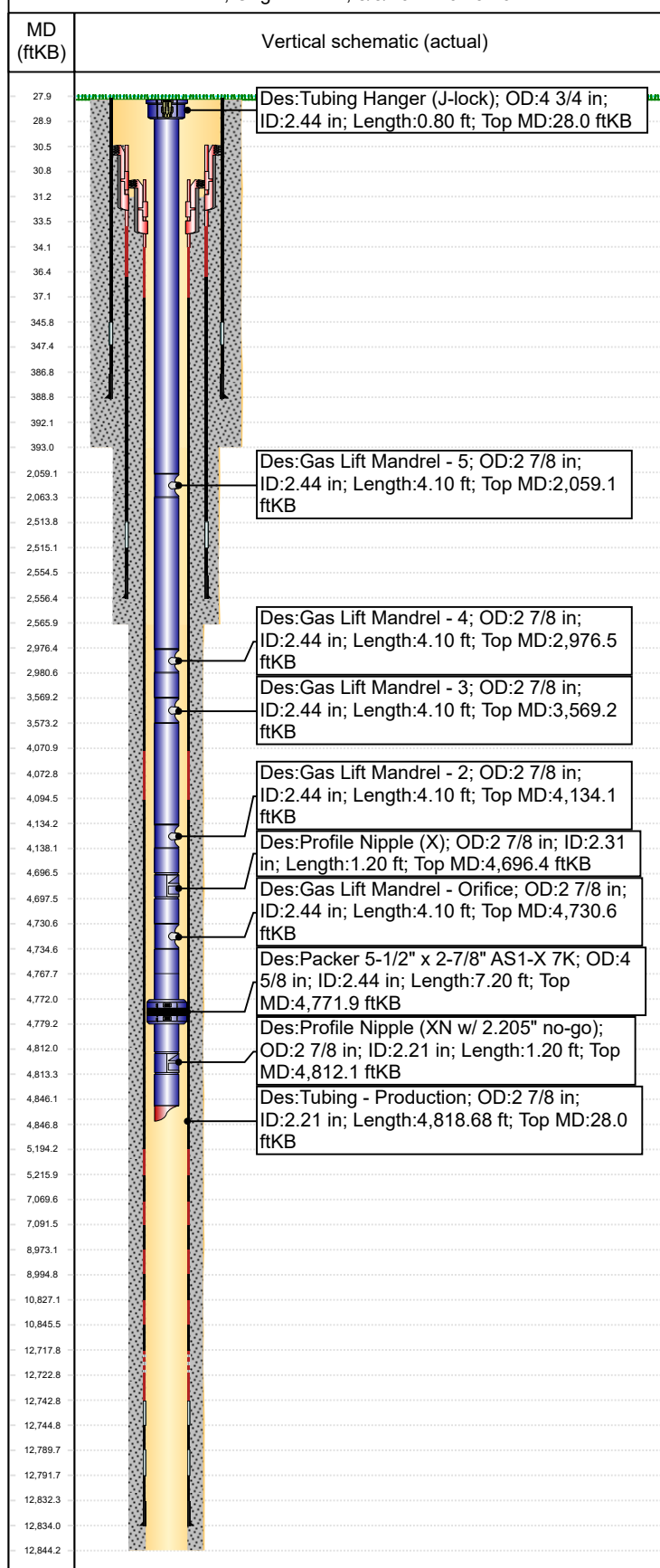


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Horizontal, Original Hole, 8/3/2022 10:49:20 AM


Cement

Description Production Casing Cement	Cementing Start Date 4/15/2022	Cementing End Date 4/16/2022
Comment Cement Summary: PJSM with American Cementing. Pressure tested lines to 5100 psi. Pumped 60 bbls Intraguard Star @ 11.0 ppg. Pumped Lead Cement: 198. bbls (471 sx) ASTM Type I/II at 12.4 ppg, 2.36 ft3/sk, 13.39 gal H2O/sk. Pumped Tail Cement: 407 bbls (1463 sx) Class G Cement at 13.3 ppg, 1.56 ft3/sk, 7.69 gal H2O/sk. Washed lines, dropped plug & began displacement. Displaced with 295 bbls FW with cement retarder in 1st 50 bbls. FCP at 2,007 psi Bump Plug at 4.0 bpm to 2,900 psi. Bled back 3 Bbls and floats held. Top of Tail: Calculated 3,666 ft MD. Top of Lead: surface Cement Back 125- BBL, Calculated Back 68- bbl's Cement in place at 01:52- on 4/15/2022		

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 135113

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 135113
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	2/7/2023