

Well Name: NW LYBROOK UNIT	Well Location: T24N / R8W / SEC 25 / SWSW / 36.278733 / -107.64109	County or Parish/State: SAN JUAN / NM
Well Number: 289H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM33003	Unit or CA Name:	Unit or CA Number: NMNM133482A
US Well Number: 3004535529	Well Status: Producing Oil Well	Operator: ENDURING RESOURCES LLC

Subsequent Report

Sundry ID: 2652190

Type of Submission: Subsequent Report

Date Sundry Submitted: 01/12/2022

Date Operation Actually Began: 12/13/2021

Type of Action: Workover Operations

Time Sundry Submitted: 08:22

Actual Procedure: Enduring Resources completed a workover on the subject well to repair the gas lift completion. An updated schematic is attached. NW LYBROOK UNIT 289H 30-045-35529 Job Start: 12/13/2021 Job End: 12/14/2021 EOT: 6,056' MD PACKER: 5,850' MD GLVs: 4,966' MD, 5,807' MD

SR Attachments

Actual Procedure

NWLU_289H_WBD_12142021_20220112082136.pdf

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Unit or CA Name:

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US Well Number: 3004535529

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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: JAN 12, 2022 08:22 AM

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: 01/14/2022

Signature: Kenneth Rennick

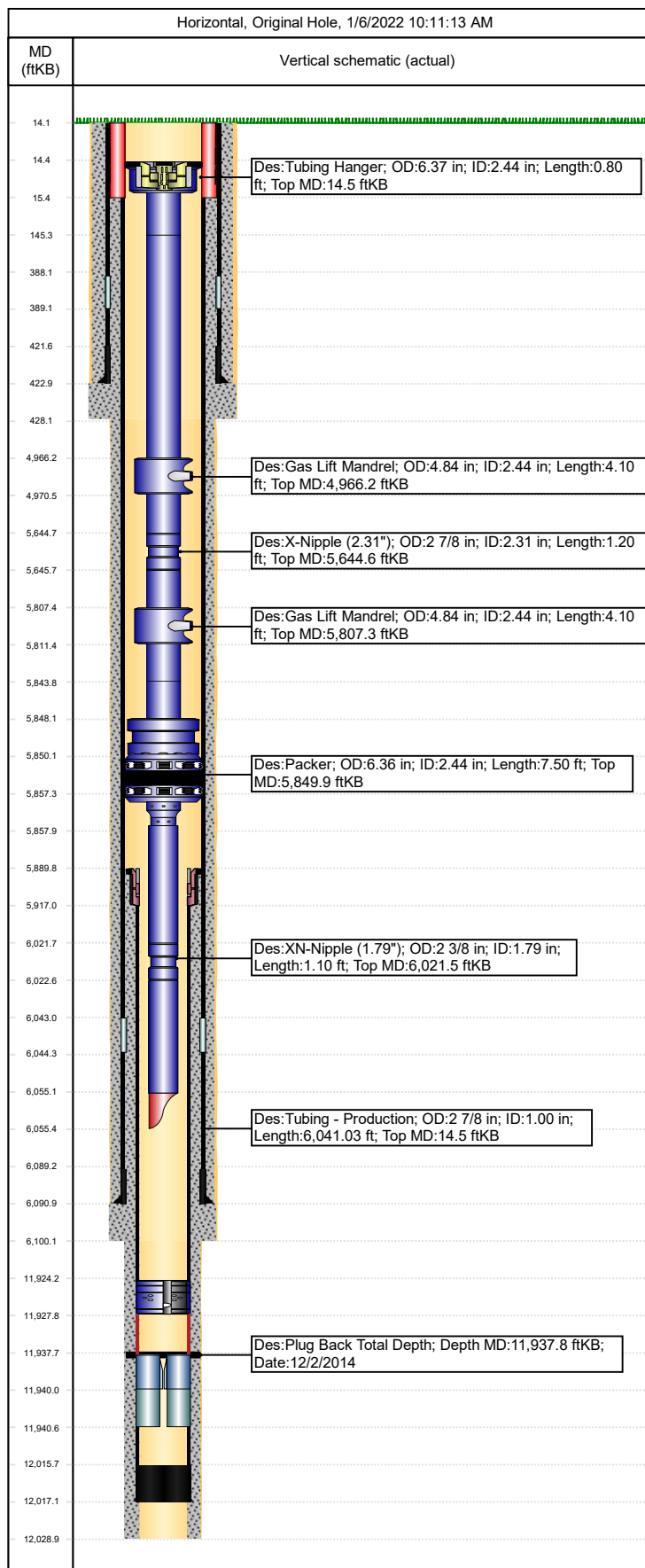


Enduring Resources IV - Production WBD

Well Name: NW LYBROOK UNIT 289H

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

API/UWI 30-045-35529	Surface Legal Location SWSW Sec.25 T24N R08W	Field Name CHACO	License #	State/Province NEW MEXICO	Well Configuration Type Horizontal
Original KB Elevation (ft) 6,860.00	KB-Tubing Head Distance (ft)	Spud Date 11/19/2014 07:30	Rig Release Date 12/2/2014 20:00	PBTD (All) (ftKB) Original Hole - 11,937.8	Total Depth All (TVD) (ftKB) Original Hole - 5,492.3



Wellbore Sections								
Section Des		Size (in)		Act Top (ftKB)	Act Top (TVD) (ftKB)	Act Btm (ftKB)	Act Btm (TVD) (ftKB)	
SURFACE		12 1/4		14.0	14.0	428.0	428.0	
INTERMEDIATE		8 3/4		428.0	428.0	6,100.0	5,549.4	
PRODUCTION		6 1/8		6,100.0	5,549.4	12,029.0	5,492.3	
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 6,055.5ftKB on 12/14/2021 15:45								
Tubing Description		Run Date		String Length (ft)		Set Depth (ftKB)		
Tubing - Production		12/14/2021		6,041.03		6,055.5		
Item Des	Jts	Grade	Wt (lb/ft)	OD (in)	ID (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger	1			6.366	2.44	0.80	14.5	15.3
Tubing	4	L-80	6.50	2 7/8	2.44	129.93	15.3	145.2
Tubing	152	J-55	6.50	2 7/8	2.44	4,821.01	145.2	4,966.2
Gas Lift Mandrel	1			4.835	2.44	4.10	4,966.2	4,970.3
Tubing	21	J-55	6.50	2 7/8	2.44	674.23	4,970.3	5,644.6
X-Nipple (2.31")	1			2 7/8	2.31	1.20	5,644.6	5,645.8
Tubing	5	J-55	6.50	2 7/8	2.44	161.57	5,645.8	5,807.3
Gas Lift Mandrel	1			4.835	2.44	4.10	5,807.3	5,811.4
Tubing	1	J-55	6.50	2 7/8	2.44	32.48	5,811.4	5,843.9
Tubing	1	J-55	6.50	2 7/8	2.44	4.20	5,843.9	5,848.1
On-Off Tool	1			6	2.25	1.82	5,848.1	5,849.9
Packer	1			6.36	2.44	7.50	5,849.9	5,857.4
Cross Over	1			2 7/8	2.00	0.40	5,857.4	5,857.8
Tubing	5	J-55	4.70	2 3/8	2.00	163.69	5,857.8	6,021.5
XN-Nipple (1.79")	1			2 3/8	1.79	1.10	6,021.5	6,022.6
Tubing	1	J-55	4.70	2 3/8	2.00	32.50	6,022.6	6,055.1
Mule Shoe	1			2 3/8	1.00	0.40	6,055.1	6,055.5
SURFACE CASING, 423.0ftKB								
OD (in)	Wt/Len (lb/ft)	String Grade		Top Connection		Top (ftKB)	Set Depth (ftKB)	
9 5/8	36.00	J-55		LT&C		14.0	423.0	
Item Des				Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	
Casing Joints				13	374.23	14.0	388.2	
Float Collar				1	0.90	388.2	389.1	
Casing Joints				1	32.45	389.1	421.6	
Float Shoe				1	1.42	421.6	423.0	
INTERMEDIATE CASING, 6,090.9ftKB								
OD (in)	Wt/Len (lb/ft)	String Grade		Top Connection		Top (ftKB)	Set Depth (ftKB)	
7	23.00	J-55		8RD		14.0	6,090.9	
Item Des				Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	
Casing Hanger				1	1.50	14.0	15.5	
Casing Joints				134	6,027.36	15.5	6,042.8	
Float Collar				1	1.35	6,042.8	6,044.2	
Casing Joints				1	45.19	6,044.2	6,089.4	
Float Shoe				1	1.50	6,089.4	6,090.9	
PRODUCTION LINER #1, 12,017.0ftKB								
OD (in)	Wt/Len (lb/ft)	String Grade		Top Connection		Top (ftKB)	Set Depth (ftKB)	
4 1/2	11.60	P-110		8RD		5,889.7	12,017.0	
Item Des				Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	
Liner Hanger				1	27.16	5,889.7	5,916.8	
Casing Joints				157	6,007.52	5,916.8	11,924.4	
Frac Sleeve				1	3.35	11,924.4	11,927.7	
Casing Pup Joint				1	10.05	11,927.7	11,937.8	
Landing Collar				1	2.08	11,937.8	11,939.8	
Float Collar				1	0.90	11,939.8	11,940.7	



Enduring Resources IV - Production WBD

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Original KB Elevation (ft) 6,860.00	KB-Tubing Head Distance (ft)	Spud Date 11/19/2014 07:30	Rig Release Date 12/2/2014 20:00	PBTD (All) (ftKB) Original Hole - 11,937.8	Total Depth All (TVD) (ftKB) Original Hole - 5,492.3

Horizontal, Original Hole, 1/6/2022 10:11:14 AM		Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
MD (ftKB)	Vertical schematic (actual)	Casing Joints	2	75.05	11,940.7	12,015.8
		Guide Shoe	1	1.25	12,015.8	12,017.0
Cement						
Description		Cementing Start Date	Cementing End Date			
SURFACE CASING		4/29/2014	4/29/2014			
Comment						
Pump 10 bbls FW spacer & 51 bbls Type G cmt (245 sxs) @ 15.8 PPG. Drop plug & disp w/ 30 bbls H2O. Bump plug @ 208 psi. Circ 23 bbls good cmt to surface.						
Description		Cementing Start Date	Cementing End Date			
INTERMEDIATE CASING		11/26/2014	11/26/2014			
Comment						
CMT 7" CSG W/ CHEM FLUSH @ 8.1#{ 10 BBLS WATER +40 BBLS CHEM SPACER,+ 10 BBLS WATER } FOLLOWED BY SPACER @ 11.5# { 20 BBLS/52 SACKS OF ELASTISEAL SCAVENGER } FOLLOWED BY N2 FOAMED LEAD @ 13# { 204 BBLS/795 SACKS OF ELASTISEAL SYSTEM } FOLLOWED BY TAIL @ 13.5# { 23.5 BBLS/100 SACKS OF HALCEM SYSTEM DISPLACE W/ 9.6 #DRILL MUD 238.5 /BBLS. BUMP TO 1,735 PSI AND HOLD.FLOATS HELD-1.5 BBL BACK ON BLEED OFF: PLUG DOWN 07:18 HRS 45BBLS FOAMED CMT RETURNED BACK TO SURFACE.						
DOWN BACKSIDE BULLHEAD PUMPED A 100SKS/20.5 BBL 15.8# HALCEM SYSTEM CAP						
Description		Cementing Start Date	Cementing End Date			
PRODUCTION LINER #1		12/2/2014	12/2/2014			
Comment						
CMT 4.5 LINER W/ 10 BBLS WATER +40 BBLS CHEM SPACER,+ LEAD CAP @ 13# { 10.4BBLS/40SKS OF ELASTISEAL SYSTEM } FOLLOWED BY NITROGEN FOAMED LEAD @ 13# { 84.6 BBL/330SKS OF ELASTISEAL SYSTEM }, FOLLOWED BY TAIL @ 13.5# { 23 BBL/100SKS OF EXPANDACEM SYSTEM }, DISPLACE W/ 2%KCL 144/BBLS. BUMP TO 2000 PSI AND HOLD.FLOATS HELD-1 BBL BACK ON BLEED OFF - SET HANGER @ 4,600 PSI AND RELEASE OUT AND WASH BACK W/ 180BBLS 2% KCL - 25 BBLS CEMENT RETURNED TO SURFACE: PLUG DOWN 8:30 HRS RELEASE FROM VERSAFLEX HANGER SETTING CSG LINER TOP @ 5,889' {5,510' TVD } to 12,017' { 5,491' TVD }. PSI TEST VERSAFLEX HANGER SEALS AND 4.5 CSG 1,500 PSI FOR 30 MIN, TESTED GOOD AND RECORDED ON HALLIBURTON CHART.						

14.1		Des:Tubing Hanger; OD:6.37 in; ID:2.44 in; Length:0.80 ft; Top MD:14.5 ftKB
14.4		
15.4		
145.3		
388.1		
389.1		
421.6		
422.9		
428.1		
4,966.2		
4,970.5		
5,644.7		
5,645.7		
5,807.4		
5,811.4		
5,843.8		
5,848.1		
5,850.1		
5,857.3		
5,857.9		
5,889.8		
5,917.0		
6,021.7		
6,022.6		
6,043.0		
6,044.3		
6,055.1		
6,055.4		
6,089.2		
6,090.9		
6,100.1		
11,924.2		
11,927.8		
11,937.7		
11,940.0		
11,940.6		
12,015.7		
12,017.1		
12,028.9		

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 73816

COMMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 73816
	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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	Action Number: 73816
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Created By	Condition	Condition Date
jagarcia	None	11/7/2022