

Well Name: NW LYBROOK UNIT	Well Location: T24N / R8W / SEC 36 / SWSE / 36.265554 / 107.632825	County or Parish/State: SAN JUAN / NM
Well Number: 133H	Type of Well: OIL WELL	Allottee or Tribe Name: EASTERN NAVAJO
Lease Number: N0G02071609	Unit or CA Name:	Unit or CA Number: NMNM133482A
US Well Number: 3004535623	Well Status: Producing Oil Well	Operator: ENDURING RESOURCES LLC

Subsequent Report

Type of Submission: Subsequent Report	Type of Action: Workover Operations
Date Sundry Submitted: 02/03/2021	Time Sundry Submitted: 08:15
Date Operation Actually Began: 11/04/2020	

Actual Procedure: This sundry was originally submitted on 11/20/2020 and was rejected due to the WIS/AFMSS2 transition Enduring Resources performed a workover to modify the gas-lift completion. An updated schematic is attached. EOT: 5,970' MD Packer: 5,831' MD GLVs: 1 @ 5,788' MD Job Start: 11/04/2020 Job End: 11/05/2020

SR Attachments

Actual Procedure

WIS_PRINT_SUBMITTED_538200_20210203081444.pdf

NW_Lybrook_Unit_133H_WBD_11052020_20210203081436.pdf

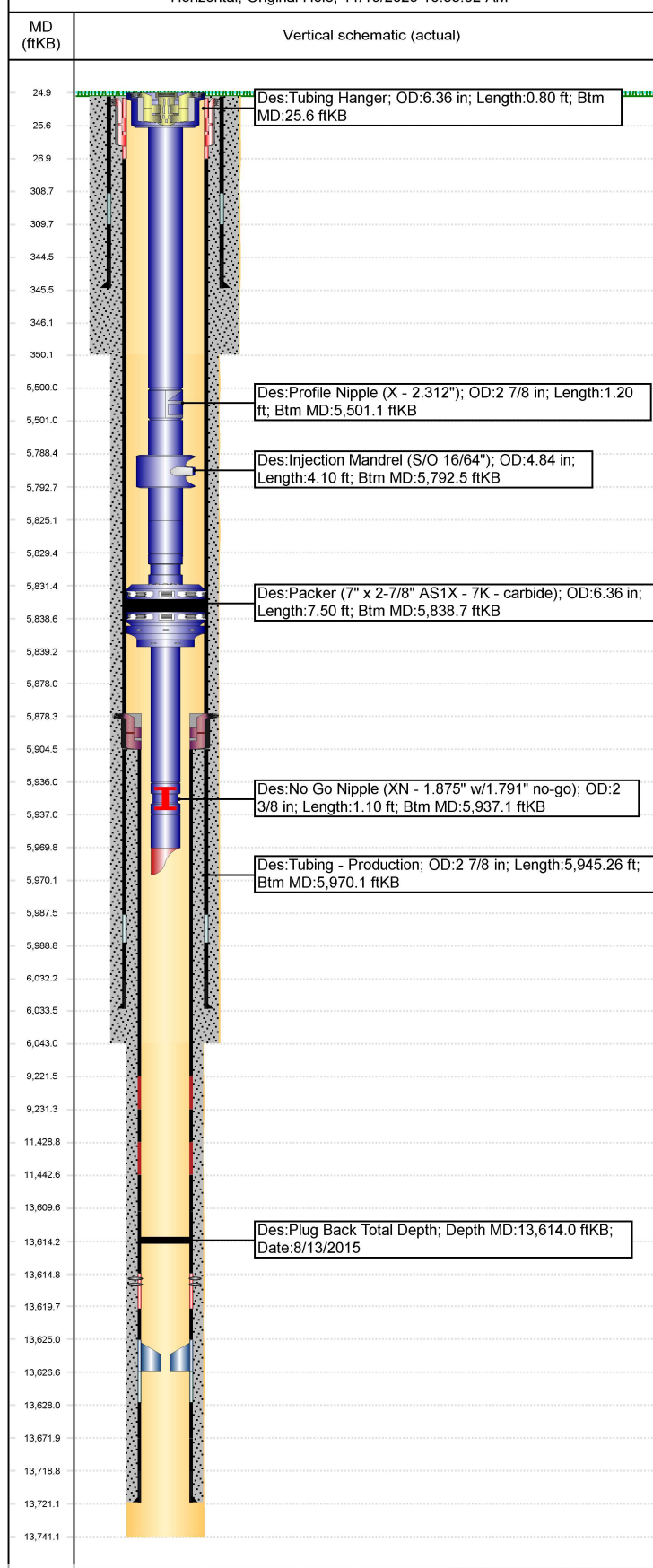
BLM Point of Contact

BLM POC Name: WILLIAM F TAMBEKOU	BLM POC Title: PETROLEUM ENGINEER
BLM POC Phone: 7192698500	BLM POC Email Address: wtambekou@blm.gov
Disposition: Accepted	Disposition Date: 04/01/2021
Signature: William Max Tambekou	

WellView®**Enduring Resources IV - Production WBD****Well Name: NW LYBROOK UNIT 133H**

API/UWI 30-045-35623	Surface Legal Location SW/4, SE/4, Section 36 (Unit O), Twp 24...	Field Name CHACO	License #	State/Province NEW MEXICO	Well Configuration Type Horizontal
Original KB Elevation (ft) 6,918.01	KB-Tubing Head Distance (ft)	Spud Date 2/25/2015 08:00	Rig Release Date 6/16/2015 14:00	PBTD (All) (ftKB) Original Hole - 13,614.0	Total Depth All (TVD) (ftKB) Original Hole - 5,469.6

Horizontal, Original Hole, 11/19/2020 10:33:02 AM

**Wellbore Sections**

Section Description SURFACE	Size (in) 12 1/4	Act Top (ft...) 25.0	Act Top (T...) 25.0	Act Btm (ft...) 350.0	Act Btm (T...) 350.0
Section Description INTERMEDIATE	Size (in) 8 3/4	Act Top (ft...) 350.0	Act Top (T...) 350.0	Act Btm (ft...) 6,043.0	Act Btm (T...) 5,522.9
Section Description PRODUCTION	Size (in) 6 1/8	Act Top (ft...) 6,043.0	Act Top (T...) 5,522.9	Act Btm (ft...) 13,741.0	Act Btm (T...) 5,469.6

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 5,970.1ftKB on 11/5/2020 10:00

Tubing Description		Run Date		String Length (ft)			Set Depth (ftKB)	
Tubing - Production		11/5/2020		5,945.26			5,970.1	
Item Des	Jts	Grade	Wt (lb/ft)	OD (in)	ID (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger	1			6.36	2.44	0.80	24.8	25.6
Tubing	168	J-55	6.50	2 7/8	2.44	5,474.23	25.6	5,499.9
Profile Nipple (X - 2.312")	1			2 7/8	2.31	1.20	5,499.9	5,501.1
Tubing	9	J-55	6.50	2 7/8	2.44	287.38	5,501.1	5,788.4
Injection Mandrel (S/O 16/64")	1			4.835	2.44	4.10	5,788.4	5,792.5
Tubing	1	J-55	6.50	2 7/8	2.44	32.67	5,792.5	5,825.2
Tubing (4' pup)	1	J-55	6.50	2 7/8	2.44	4.20	5,825.2	5,829.4
On-Off Tool w/profile stinger (F - 2.250")	1			2 7/8	2.25	1.82	5,829.4	5,831.2
Packer (7" x 2-7/8" AS1X - 7K - carbide)	1			6.36	2.44	7.50	5,831.2	5,838.7
Cross Over	1			6.36	2.00	0.40	5,838.7	5,839.1
Tubing	3	J-55	4.70	2 3/8	2.00	96.86	5,839.1	5,936.0
No Go Nipple (XN - 1.875" w/1.791" no-go)	1			2 3/8	1.79	1.10	5,936.0	5,937.1
Tubing	1	J-55	4.70	2 3/8	2.00	32.60	5,937.1	5,969.7
Mule Shoe Guide (pinned)	1			2 3/8	0.75	0.40	5,969.7	5,970.1

SURFACE CASING, 345.4ftKB

OD (in) 9 5/8	Wt/Len (lb/ft) 36.00	String Grade J-55	Top Connection ST&C	Top (ftKB) 25.0	Set Depth (ftKB) 345.4	
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing - CASING			9	283.78	25.0	308.8
Float Collar - CASING FLOAT COLLAR			1	0.94	308.8	309.7
Casing - SHOE JOINT			1	34.80	309.7	344.5
Casing Shoe - CASING FLOAT SHOE			1	0.88	344.5	345.4

TIEBACK STRING, 5,879.4ftKB

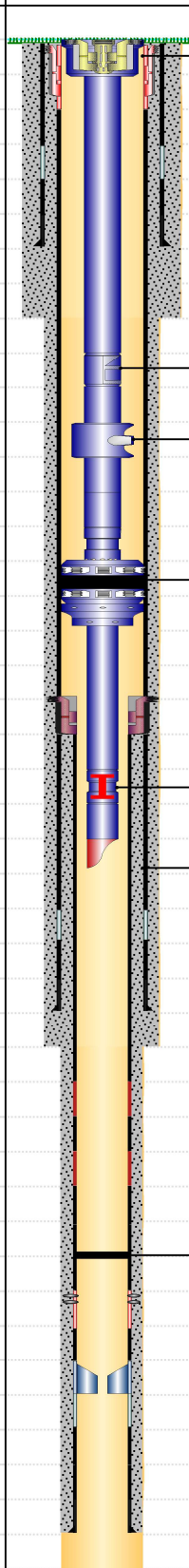
OD (in) 4 1/2	Wt/Len (lb/ft) 11.60	String Grade	Top Connection 8RD	Top (ftKB) 0.0	Set Depth (ftKB) 5,879.4
Item Des		Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Hanger - LANDING MANDREL		1	2.00	0.0	2.0
Casing - CASING		106	4,505.76	2.0	4,507.7
Casing - MARKER JOINT		1	9.90	4,507.7	4,517.6
Casing - CASING		31	1,356.24	4,517.6	5,873.9
Tail Joint - LINER TIEBACK SLEEVE		1	5.55	5,873.9	5,879.4



Enduring Resources IV - Production WBD

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Original KB Elevation (ft) 6,918.01	KB-Tubing Head Distance (ft)	Spud Date 2/25/2015 08:00	Rig Release Date 6/16/2015 14:00	PBTD (All) (ftKB) Original Hole - 13,614.0	Total Depth All (TVD) (ftKB) Original Hole - 5,469.6

Horizontal, Original Hole, 11/19/2020 10:33:05 AM		INTERMEDIATE CASING, 6,033.4ftKB					
MD (ftKB)	Vertical schematic (actual)	OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
		7	23.00	J-55	LT&C	25.0	6,033.4
		Item Des		Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
24.9		LANDING MANDREL		1	2.00	25.0	27.0
25.6		Casing Joints		138	5,960.60	27.0	5,987.6
26.9		Casing Float Collar		1	1.10	5,987.6	5,988.7
308.7		Casing Joints		1	43.48	5,988.7	6,032.2
309.7		Casing Float Shoe		1	1.20	6,032.2	6,033.4
344.5		PRODUCTION LINER #1, 13,721.0ftKB					
345.5		OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
346.1		4 1/2	11.60	P-110	LT&C	5,878.3	13,721.0
350.1		Item Des		Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
5,500.0	Des:Profile Nipple (X - 2.312"); OD:2 7/8 in; Length:1.20 ft; Btm MD:5,501.1 ftKB	LINER HANGER PACKER		1	26.14	5,878.3	5,904.4
5,501.0		Casing Joints		76	3,317.14	5,904.4	9,221.5
5,788.4	Des:Injection Mandrel (S/O 16/64"); OD:4.84 in; Length:4.10 ft; Btm MD:5,792.5 ftKB	MARKER JOINT		1	9.90	9,221.5	9,231.4
5,792.7		Casing Joints		50	2,197.44	9,231.4	11,428.9
5,825.1		MARKER JOINT		1	13.75	11,428.9	11,442.6
5,829.4		Casing Joints		50	2,167.08	11,442.6	13,609.7
5,831.4	Des:Packer (7" x 2-7/8" AS1X - 7K - carbide); OD:6.36 in; Length:7.50 ft; Btm MD:5,838.7 ftKB	PUP JOINT		1	5.10	13,609.7	13,614.8
5,838.6		RAPID FRAC SLEEVE		1	5.10	13,614.8	13,619.9
5,839.2		PUP JOINT		1	5.10	13,619.9	13,625.0
5,878.0		LANDING COLLAR		1	1.56	13,625.0	13,626.6
5,878.3		CASING FLOAT COLLAR		1	1.25	13,626.6	13,627.8
5,904.5		SHOE JOINT		1	44.03	13,627.8	13,671.8
5,936.0	Des:No Go Nipple (XN - 1.875" w/1.791" no-go); OD:2 3/8 in; Length:1.10 ft; Btm MD:5,937.1 ftKB	SHOE JOINT		1	47.03	13,671.8	13,718.9
5,937.0		CASING FLOAT SHOE		1	2.15	13,718.9	13,721.0
5,969.8	Des:Tubing - Production; OD:2 7/8 in; Length:5,945.26 ft; Btm MD:5,970.1 ftKB	Cement					
5,970.1		Description		Cementing Start Date		Cementing End Date	
5,987.5		SURFACE CASING		2/25/2015		2/25/2015	
5,988.8		Comment					
6,032.2		Description		Cementing Start Date		Cementing End Date	
6,033.5		INTERMEDIATE CASING		6/9/2015		6/9/2015	
6,043.0		Comment					
9,221.5		HALLIBURTON CMT 7" CSG W/ CHEM FLUSH @ 8.5#{ 10 BBLS MUD FLUSH +40 BBLS CHEM SPACER } FOLLOWED BY SPACER CMT @ 11.5#{ 20 BBLS/52 SACKS OF ELASTISEAL SCAVENGER } FOLLOWED BY N2 FOAMED LEAD @ 13# { 204 BBLS/785 SACKS OF ELASTISEAL SYSTEM } FOLLOWED BY TAIL @ 13.5# { 23.2 BBLS/100 SACKS OF HALCEM SYSTEM } DISPLACE W/ 9.3 DRILL MUD { 190 BBLS. } & FRESH WATER { 25.3 BBLS. } = 235.3 BBLS TOTAL BUMP @ 1,120 PSI TAKE UP TO 2,400 PSI AND HOLD 5 MIN .FLOATS HELD, 2 BBL BACK ON BLEED OFF: PLUG DOWN 08:25 HRS, 20 BBLS FOAMED CEMENT RETURNED BACK TO SURFACE.					
9,231.3		DOWN BACKSIDE PUMPED A BULLHEAD CAP OF 200SKS/37 BBL 15.8# HALCEM SYSTEM CEMENT					
11,428.8		Description		Cementing Start Date		Cementing End Date	
11,442.6		PRODUCTION LINER #1		6/16/2015		6/16/2015	
13,609.6	Des:Plug Back Total Depth; Depth MD:13,614.0 ftKB; Date:8/13/2015	Comment					
13,614.2		HALLIBURTON CMT 4.5 LINER WITH SPACER/ FLUSH {10 BBLS/H2O +40 BBLS/CHEM SPACER+ 10 BBLS/H2O }, FOLLOWED BY PRIMARY CMT @ 13.3# { 187.7 BBLS/775 SKS OF EXTENDACEM SYSTEM } DISPLACE W/ MMCR & 2%KCL 171.70/BBLS. LAND PLUG @ 1,207 PSI & BUMP TO 2,200 PSI AND HOLD.FLOATS HELD-1.50 BBL BACK ON BLEED OFF PLUG DOWN 04:49 HRS CIRCULATE OUT 60 BBLS OF EXCESS CEMENT NMOCD & BLM GIVEN 24HR NOTIFICATION OF 4.5 " PRODUCTION CSG LINER AND CEMENT AND PSI TEST OF SAME 6/14/2015 - 16:15 HRS BY JNR { LEFT MESSAGE AND SENT EMAIL }					
13,614.8							
13,619.7							
13,625.0							
13,626.6							
13,628.0							
13,671.9							
13,718.8							
13,721.1							
13,741.1							

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 23422

CONDITIONS

Operator: ENDURING RESOURCES, LLC 1050 17TH STREET, SUITE 2500 DENVER, CO 80265	OGRID: 372286
	Action Number: 23422
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	6/2/2021