

Well Name: NE CHACO COM	Well Location: T23N / R6W / SEC 19 / SWSW / 36.20735 / 107.51742	County or Parish/State: SANDOVAL / NM
Well Number: 190H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMSF078360	Unit or CA Name:	Unit or CA Number: NMNM132829
US Well Number: 3004321189	Well Status: Producing Oil Well	Operator: ENDURING RESOURCES LLC

Subsequent Report

Type of Submission: Subsequent Report	Type of Action: Workover Operations
Date Sundry Submitted: 02/01/2021	Time Sundry Submitted: 01:59
Date Operation Actually Began: 12/14/2020	

Actual Procedure: This sundry was originally submitted 12/18/2020 and was rejected due to the transition from WIS to AFMSS 2. Enduring Resources performed a workover to repair the rod pump completion. An updated schematic is attached. EOT: 5,724' MD SN: 5,673' MD TAC: 5,481' MD Job Start: 12/14/2020 Job End: 12/17/2020

SR Attachments

Actual Procedure

WIS_PRINT_SUBMITTED_541454_20210201135918.pdf

NE_CHACO_COM_190H_WBD_12172020_20210201135807.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: 04/02/2021
Signature: William Max Tambekou	

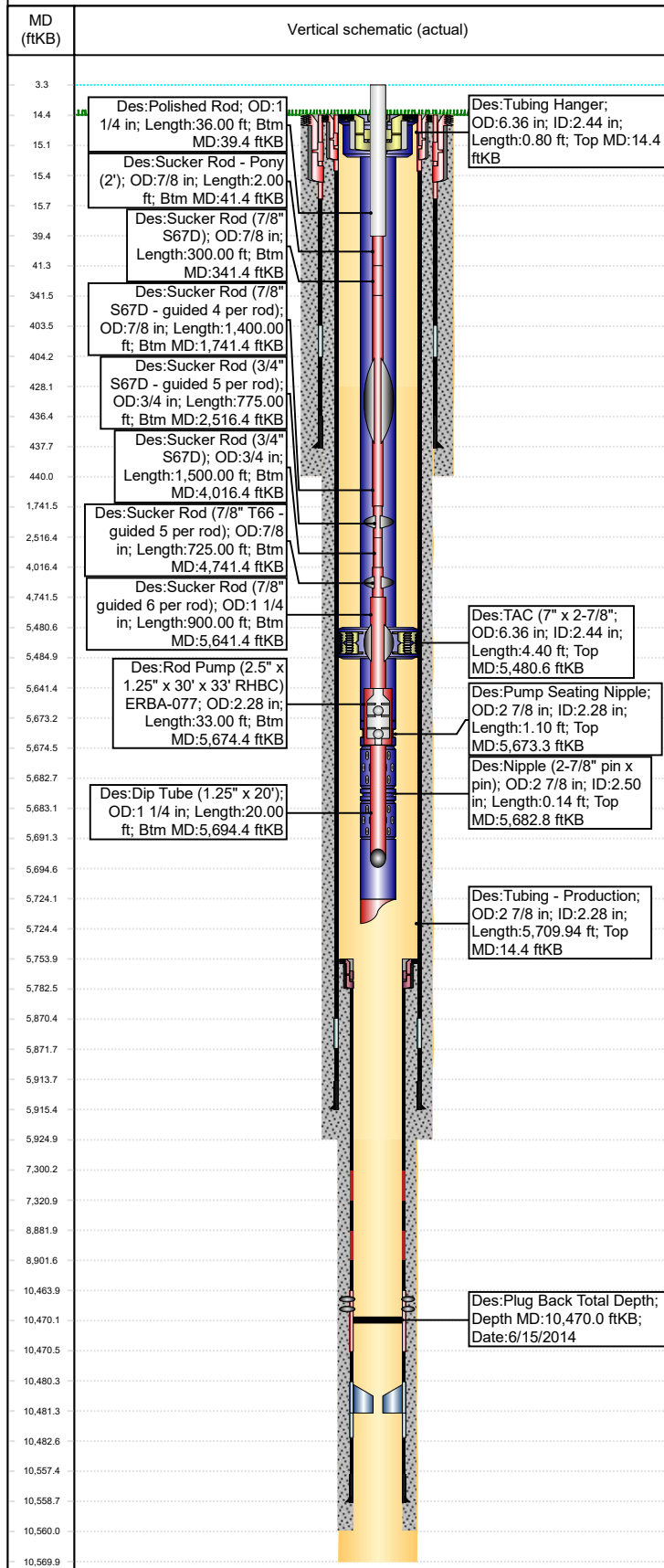


Enduring Resources IV - Production WBD

Well Name: NE CHACO COM 190H

API/UWI 30-043-21189	Surface Legal Location SW/4, SW/4, Section 19 (M), Twp 23N, R...	Field Name CHACO	License #	State/Province NEW MEXICO	Well Configuration Type Horizontal
Original KB Elevation (ft) 7,026.01	KB-Tubing Head Distance (ft)	Spud Date 4/1/2014 08:00	Rig Release Date 5/23/2014 00:00	PBTD (All) (ftKB) Original Hole - 10,470.0	Total Depth All (TVD) (ftKB) Original Hole - 5,447.1

Horizontal, Original Hole, 12/18/2020 7:45:07 AM



Wellbore Sections

Section Description SURFACE	Size (in) 12 1/4	Act Top (ft...) 14.4	Act Top (T...) 14.4	Act Btm (ft...) 440.0	Act Btm (T...) 440.0
Section Description INTERMEDIATE	Size (in) 8 3/4	Act Top (ft...) 428.0	Act Top (T...) 428.0	Act Btm (ft...) 5,925.0	Act Btm (T...) 5,496.6
Section Description PRODUCTION	Size (in) 6 1/8	Act Top (ft...) 5,925.0	Act Top (T...) 5,496.6	Act Btm (ft...) 10,570.0	Act Btm (T...) 5,447.1

Rod Strings

Rod Description Rod	Run Date 12/17/2020	String Length (ft) 5,691.00		Set Depth (ftKB) 5,694.4	
Item Des	Jts	OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Polished Rod	1	1 1/4	36.00	3.4	39.4
Sucker Rod - Pony (2')	1	7/8	2.00	39.4	41.4
Sucker Rod (7/8" S67D)	12	7/8	300.00	41.4	341.4
Sucker Rod (7/8" S67D - guided 4 per rod)	56	7/8	1,400.00	341.4	1,741.4
Sucker Rod (3/4" S67D - guided 5 per rod)	31	3/4	775.00	1,741.4	2,516.4
Sucker Rod (3/4" S67D)	60	3/4	1,500.00	2,516.4	4,016.4
Sucker Rod (7/8" T66 - guided 5 per rod)	29	7/8	725.00	4,016.4	4,741.4
Sucker Rod (7/8" guided 6 per rod)	36	1 1/4	900.00	4,741.4	5,641.4
Rod Pump (2.5" x 1.25" x 30' x 33' RHBC) ERBA-077	1	2.28	33.00	5,641.4	5,674.4
Dip Tube (1.25" x 20')	1	1 1/4	20.00	5,674.4	5,694.4

Tubing - Production set at 5,724.3ftKB on 12/15/2020 10:30

Tubing Description Tubing - Production		Run Date 12/15/2020			String Length (ft) 5,709.94		Set Depth (ftKB) 5,724.3	
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	14.4	15.2
Tubing	169	J-55	6.50	2 7/8	2.44	5,465.43	15.2	5,480.6
TAC (7" x 2-7/8"	1			6.36	2.44	4.40	5,480.6	5,485.0
Tubing	6	J-55	6.50	2 7/8	2.44	188.30	5,485.0	5,673.3
Pump Seating Nipple	1			2 7/8	2.28	1.10	5,673.3	5,674.4
Sand Screen	1			2 7/8	2.50	8.42	5,674.4	5,682.9
Nipple (2-7/8" pin x pin)	1			2 7/8	2.50	0.14	5,682.9	5,683.0
Sand Screen	1			2 7/8	2.50	8.35	5,683.0	5,691.3
Tubing	1	J-55	6.50	2 7/8	2.44	32.60	5,691.3	5,723.9
Purge Valve	1			2 7/8	2.44	0.40	5,723.9	5,724.3

SURFACE CASING, 437.8ftKB

OD (in) 9 5/8	Wt/Len (lb/ft) 36.00	String Grade J-55	Top Connection 8RD	Top (ftKB) 14.4	Set Depth (ftKB) 437.8	
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Hanger			1	1.25	14.4	15.7
Casing Joints			12	387.72	15.7	403.4
Float Collar			1	0.90	403.4	404.3
Casing Joints			1	32.10	404.3	436.4
Float Shoe			1	1.42	436.4	437.8

INTERMEDIATE CASING, 5,915.3ftKB

OD (in) 7	Wt/Len (lb/ft) 23.00	String Grade J-55	Top Connection 8RD	Top (ftKB) 14.4	Set Depth (ftKB) 5,915.3	
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Landing Collar (20')				0.00	14.4	14.4
Casing Hanger			1	1.00	14.4	15.4
Casing Joints			139	5,854.92	15.4	5,870.3
Float Collar			1	1.35	5,870.3	5,871.6
Casing Joints			1	42.16	5,871.6	5,913.8
Float Shoe			1	1.50	5,913.8	5,915.3



Enduring Resources IV - Production WBD

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Horizontal, Original Hole, 12/18/2020 7:45:08 AM		PRODUCTION LINER #1, 10,558.8ftKB					
MD (ftKB)	Vertical schematic (actual)	OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
		4 1/2	11.60	N-80	8RD		
		Item Des		Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
3.3		Liner Hanger		1	28.52	5,754.1	5,782.6
14.4	Des:Polished Rod; OD:1 1/4 in; Length:36.00 ft; Btm MD:39.4 ftKB	Casing Joints		40	1,517.76	5,782.6	7,300.3
15.1	Des:Sucker Rod - Pony (2'); OD:7/8 in; Length:2.00 ft; Btm MD:41.4 ftKB	Marker Joint		1	20.46	7,300.3	7,320.8
15.4	Des:Sucker Rod (7/8" S67D); OD:7/8 in; Length:300.00 ft; Btm MD:341.4 ftKB	Casing Joints		41	1,561.11	7,320.8	8,881.9
15.7	Des:Sucker Rod (7/8" S67D - guided 4 per rod); OD:7/8 in; Length:1,400.00 ft; Btm MD:1,741.4 ftKB	Marker Joint		1	19.80	8,881.9	8,901.7
39.4	Des:Sucker Rod (3/4" S67D - guided 5 per rod); OD:3/4 in; Length:775.00 ft; Btm MD:2,516.4 ftKB	Casing Joints		41	1,562.05	8,901.7	10,463.8
41.3	Des:Sucker Rod (7/8" T66 - guided 5 per rod); OD:7/8 in; Length:725.00 ft; Btm MD:4,016.4 ftKB	Rapid Frac Sleeve		2	6.72	10,463.8	10,470.5
341.5	Des:Sucker Rod (3/4" S67D); OD:3/4 in; Length:1,500.00 ft; Btm MD:4,016.4 ftKB	Pup Joint		1	9.79	10,470.5	10,480.3
403.5	Des:Sucker Rod (7/8" T66 - guided 6 per rod); OD:1 1/4 in; Length:900.00 ft; Btm MD:5,641.4 ftKB	Landing Collar		1	1.10	10,480.3	10,481.4
404.2	Des:Rod Pump (2.5" x 1.25" x 30' x 33' RHBC) ERBA-077; OD:2.28 in; Length:33.00 ft; Btm MD:5,674.4 ftKB	Float Collar		1	1.10	10,481.4	10,482.5
428.1	Des:Dip Tube (1.25" x 20"); OD:1 1/4 in; Length:20.00 ft; Btm MD:5,694.4 ftKB	Casing Shoe Joint		2	75.06	10,482.5	10,557.5
436.4	Des:TAC (7" x 2-7/8"; OD:6.36 in; ID:2.44 in; Length:4.40 ft; Top MD:5,480.6 ftKB)	Guide Shoe		1	1.29	10,557.5	10,558.8
437.7	Des:Pump Seating Nipple; OD:2 7/8 in; ID:2.28 in; Length:1.10 ft; Top MD:5,673.3 ftKB	Cement					
440.0	Des:Nipple (2-7/8" pin x pin); OD:2 7/8 in; ID:2.50 in; Length:0.14 ft; Top MD:5,682.8 ftKB	Description		Cementing Start Date		Cementing End Date	
1,741.5	Des:Tubing - Production; OD:2 7/8 in; ID:2.28 in; Length:5,709.94 ft; Top MD:14.4 ftKB	SURFACE CASING		4/2/2014		4/2/2014	
2,516.4		Comment					
4,016.4		Description		Cementing Start Date		Cementing End Date	
4,741.5		INTERMEDIATE CASING		5/16/2014		5/16/2014	
5,480.6		Comment					
5,484.9		CEMENT INTERMEDIATE 7IN CSG W/ 50BBL MUD/CHEM WASH SPACER, THEN 52 SKS/20 BBLS OF 11.5# SCAVENGER, FOLLOWED BY 670 SKS/174.2 BBLS OF 13# FOAMED ELASTISEAL SYSTEM LEAD, FOLLOWED BY 100 SKS/23.2 BBLS OF 13.5# HALCEM SYSTEM TAIL, DISPLACED W/ 231BBLS OF 9# DRILL MUD. BUMPED PLUG @ 1,128 AND HELD 500 PSI OVER, RELEASED AND FLOATS HELD W/ 1.5 BACK - PLUG DOWN 14:00 - CIRC 15BBLS CMT BACK TO SURFACE					
5,641.4		DOWN BACKSIDE BULLHEAD PUMPED A 100SKS/20 BBL 15.8# HALCEM SYSTEM CAP					
5,673.2		Description		Cementing Start Date		Cementing End Date	
5,674.5		PRODUCTION LINER #1		5/22/2014		5/22/2014	
5,682.7		Comment					
5,683.1							
5,691.3							
5,694.6							
5,724.1							
5,724.4							
5,753.9							
5,782.5							
5,870.4							
5,871.7							
5,913.7							
5,915.4							
5,924.9							
7,300.2							
7,320.9							
8,881.9							
8,901.6							
10,463.9							
10,470.1							
10,470.5							
10,480.3							
10,481.3							
10,482.6							
10,557.4							
10,558.7							
10,560.0							
10,569.9							

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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 23408

CONDITIONS

Operator: ENDURING RESOURCES, LLC 1050 17TH STREET, SUITE 2500 DENVER, CO 80265	OGRID: 372286
	Action Number: 23408
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

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