

Well Name: NE CHACO COM	Well Location: T23N / R7W / SEC 12 / SWNW / 36.24283 / -107.53521	County or Parish/State: RIO ARRIBA / NM
Well Number: 168H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMSF078362	Unit or CA Name:	Unit or CA Number: NMNM132829
US Well Number: 3003931173	Well Status: Producing Oil Well	Operator: ENDURING RESOURCES LLC

Subsequent Report

Sundry ID: 2512013

Type of Submission: Subsequent Report	Type of Action: Workover Operations
Date Sundry Submitted: 07/30/2021	Time Sundry Submitted: 08:30
Date Operation Actually Began: 05/20/2021	

Actual Procedure: Enduring Resources completed a workover on the NE CHACO COM 168H to repair the rod pump completion. An updated schematic is attached. EOT: 5,540' MD SN: 5,387' MD TAC: 5,072' MD Job Start: 5/20/2021 Job End: 5/23/2021

SR Attachments

Actual Procedure

NE_CHACO_COM_168H_WBD_05232021_20210730082935.pdf

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US Well Number: 3003931173	Well Status: Producing Oil Well	Operator: ENDURING RESOURCES LLC

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:** JUL 30, 2021 08:29 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: 09/09/2021
Signature: Kenneth Rennick	



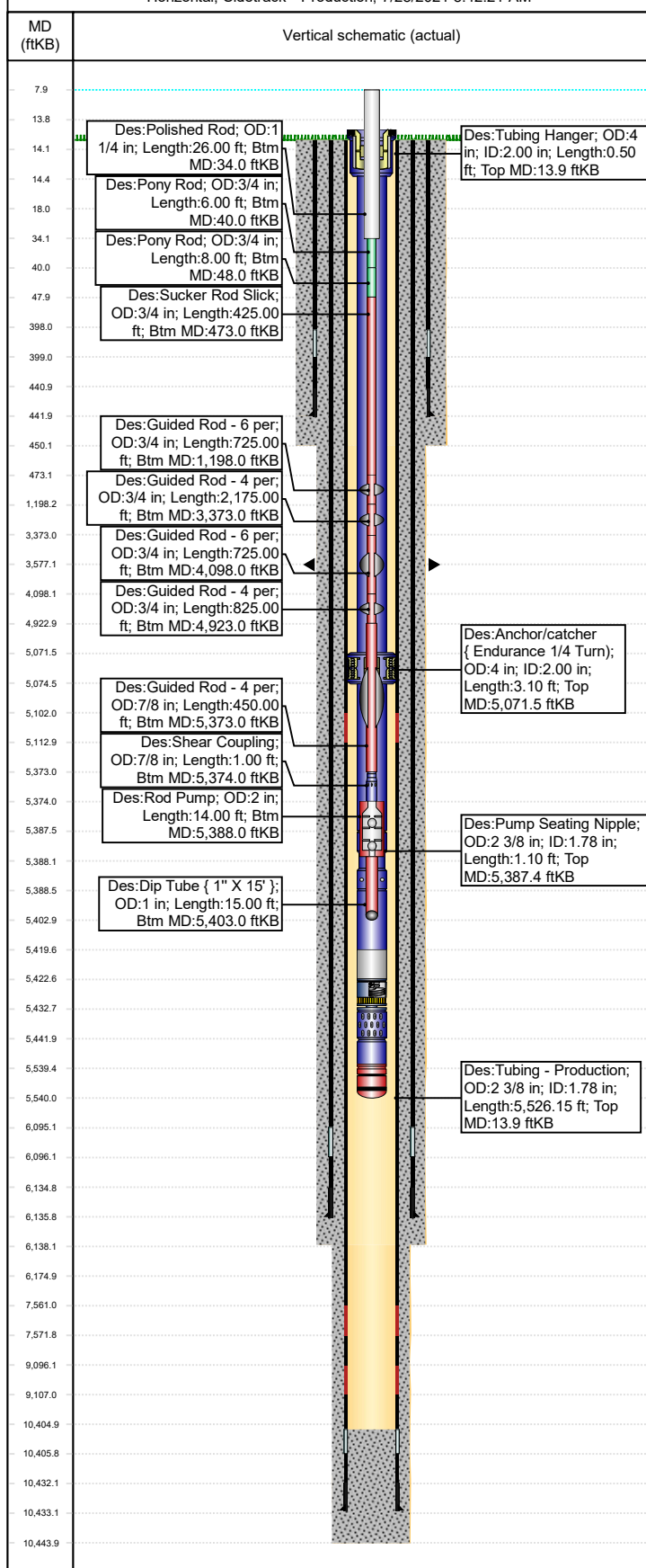
Enduring Resources IV - Production WBD

Well Name: NE CHACO COM 168H

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

API/UWI 30-039-31173	Surface Legal Location SW/4, NW/4, Section 11 (Unit D), Twp 23...	Field Name CHACO	License #	State/Province NEW MEXICO	Well Configuration Type Horizontal
Original KB Elevation (ft) 7,050.01	KB-Tubing Head Distance (ft)	Spud Date 5/10/2013 07:00	Rig Release Date 6/13/2013 00:00	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB)

Horizontal, Sidetrack - Production, 7/28/2021 8:42:21 AM



Wellbore Sections

Section Des	Size (in)	Act Top (ftKB)	Act Top (TVD) (ftKB)	Act Btm (ftKB)	Act Btm (TVD) (ftKB)
Intermediate Hole	8 3/4	3,577.0	3,493.7	6,138.0	5,665.8
Production Hole	6 1/8	6,138.0	5,665.8	10,444.0	5,532.3

Rod Strings

Rod Description	Run Date	String Length (ft)		Set Depth (ftKB)	
ROD STRING	5/23/2021	5,395.00		5,403.0	
Item Des	Jts	OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Polished Rod		1 1/4	26.00	8.0	34.0
Pony Rod	1	3/4	6.00	34.0	40.0
Pony Rod	1	3/4	8.00	40.0	48.0
Sucker Rod Slick	17	3/4	425.00	48.0	473.0
Guided Rod - 6 per	29	3/4	725.00	473.0	1,198.0
Guided Rod - 4 per	87	3/4	2,175.00	1,198.0	3,373.0
Guided Rod - 6 per	29	3/4	725.00	3,373.0	4,098.0
Guided Rod - 4 per	33	3/4	825.00	4,098.0	4,923.0
Guided Rod - 4 per	18	7/8	450.00	4,923.0	5,373.0
Shear Coupling	1	7/8	1.00	5,373.0	5,374.0
Rod Pump	1	2	14.00	5,374.0	5,388.0
Dip Tube { 1" X 15' }		1	15.00	5,388.0	5,403.0

Tubing - Production set at 5,540.1ftKB on 5/23/2021 07:15

Tubing Description		Run Date	String Length (ft)				Set Depth (ftKB)	
Tubing - Production		5/23/2021	5,526.15				5,540.1	
Item Des	Jts	Grade	Wt (lb/ft)	OD (in)	ID (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger	1	J-55		4	2.00	0.50	13.9	14.4
Tubing - 121 Blue & 42 Yellow	163	J-55	4.70	2 3/8	2.00	5,057.06	14.4	5,071.5
Anchor/catcher { Endurance 1/4 Turn }	1			4	2.00	3.10	5,071.5	5,074.6
Tubing - Yellow	10	J-55	4.70	2 3/8	2.00	312.79	5,074.6	5,387.4
Pump Seating Nipple	1			2 3/8	1.78	1.10	5,387.4	5,388.5
Tubing - Yellow	1	J-55	4.70	2 3/8	2.00	31.10	5,388.5	5,419.6
Tubing Pup Joint	1	J-55	4.70	2 3/8	2.00	3.10	5,419.6	5,422.7
Slotted Gas separator, part of Hybrid X system.	1			2 3/8		10.10	5,422.7	5,432.8
Sand buster, part of Hybrid x system	1			2 3/8		9.10	5,432.8	5,441.9
Mud Anchor	3	L-80	4.70	2 3/8	2.00	97.50	5,441.9	5,539.4
Bull Plug	1			2 3/8		0.70	5,539.4	5,540.1

Surface Casing, 442.0ftKB

OD (in) 9 5/8	Wt/Len (lb/ft) 36.00	String Grade J-55	Top Connection	Top (ftKB) 14.0	Set Depth (ftKB) 442.0	
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Joints			1	4.00	14.0	18.0
Casing Joints			9	380.00	18.0	398.0
Float Collar			1	1.00	398.0	399.0
Casing Joints			1	42.00	399.0	441.0
Float Shoe			1	1.00	441.0	442.0

Intermediate Casing, 6,135.8ftKB

OD (in) 7	Wt/Len (lb/ft) 23.00	String Grade J-55	Top Connection	Top (ftKB) 14.0	Set Depth (ftKB) 6,135.8
Item Des			Jts	Len (ft)	Top (ftKB) Btm (ftKB)
Casing Joints			155	6,081.10	14.0 6,095.1
Float Collar				1.00	6,095.1 6,096.1



Enduring Resources IV - Production WBD

Well Name: NE CHACO COM 168H

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

API/UWI 30-039-31173	Surface Legal Location SW/4, NW/4, Section 11 (Unit D), Twp 23...	Field Name CHACO	License #	State/Province NEW MEXICO	Well Configuration Type Horizontal
Original KB Elevation (ft) 7,050.01	KB-Tubing Head Distance (ft)	Spud Date 5/10/2013 07:00	Rig Release Date 6/13/2013 00:00	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB)

Horizontal, Sidetrack - Production, 7/28/2021 8:42:22 AM

Horizontal, Sidetrack - Production, 7/28/2021 8:42:22 AM		Item Des		Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
MD (ftKB)	Vertical schematic (actual)	Casing Joints		1	38.70	6,096.1	6,134.8
		Float Shoe			1.00	6,134.8	6,135.8
		Production Casing, 10,433.0ftKB					
		OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
		4 1/2	11.60	N-80		14.0	10,433.0
		Item Des		Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
		Casing Joints		133	5,088.00	14.0	5,102.0
		Marker Joints		1	11.00	5,102.0	5,113.0
		Casing Joints		64	2,448.00	5,113.0	7,561.0
		Marker Joints		1	11.00	7,561.0	7,572.0
		Casing Joints		40	1,524.00	7,572.0	9,096.0
		Marker Joints		1	11.00	9,096.0	9,107.0
		Casing Joints		34	1,298.00	9,107.0	10,405.0
		Float Collar			1.00	10,405.0	10,406.0
		Casing Joints		1	26.00	10,406.0	10,432.0
		Float Shoe			1.00	10,432.0	10,433.0
		Cement					
		Description		Cementing Start Date		Cementing End Date	
		Surface Casing Cement		5/11/2013		5/11/2013	
		Comment					
		Description		Cementing Start Date		Cementing End Date	
		Cement Plug		5/27/2013		5/28/2013	
		Comment					
		Description		Cementing Start Date		Cementing End Date	
		Intermediate Casing Cement		6/5/2013		6/5/2013	
		Comment					
		Description		Cementing Start Date		Cementing End Date	
		Production Casing Cement		6/12/2013		6/12/2013	
		Comment					

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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 53670

COMMENTS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 53670
	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
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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 53670

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 53670
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

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