

Well Name: CHACO 2307-17H	Well Location: T23N / R7W / SEC 17 / SENE /	County or Parish/State: RIO ARRIBA / NM
Well Number: 163H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM58877	Unit or CA Name:	Unit or CA Number:
US Well Number: 3003931226	Well Status: Producing Oil Well	Operator: ENDURING RESOURCES LLC

Subsequent Report

Sundry ID: 2510748

Type of Submission: Subsequent Report Type of Action: Workover Operations

Date Sundry Submitted: 07/29/2021 Time Sundry Submitted: 02:24

Date Operation Actually Began: 07/12/2021

Actual Procedure: Enduring Resources completed a workover on the CHACO 2307-17H 163Hto repair the gas lift completion. An updated schematic is attached. EOT: 6,253' MD Packer: 6,116' MD GLVs: 1 @ 6,075' Job Start: 7/12/2021 Job End: 7/13/2021

SR Attachments

Actual Procedure

CHACO_2307_17H_163H_WBD_07132021_20210729142359.pdf

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Lease Number: NMNM58877	Unit or CA Name:	Unit or CA Number:
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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:** JUL 29, 2021 02:24 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

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: 09/08/2021
Signature: Kenneth Rennick	



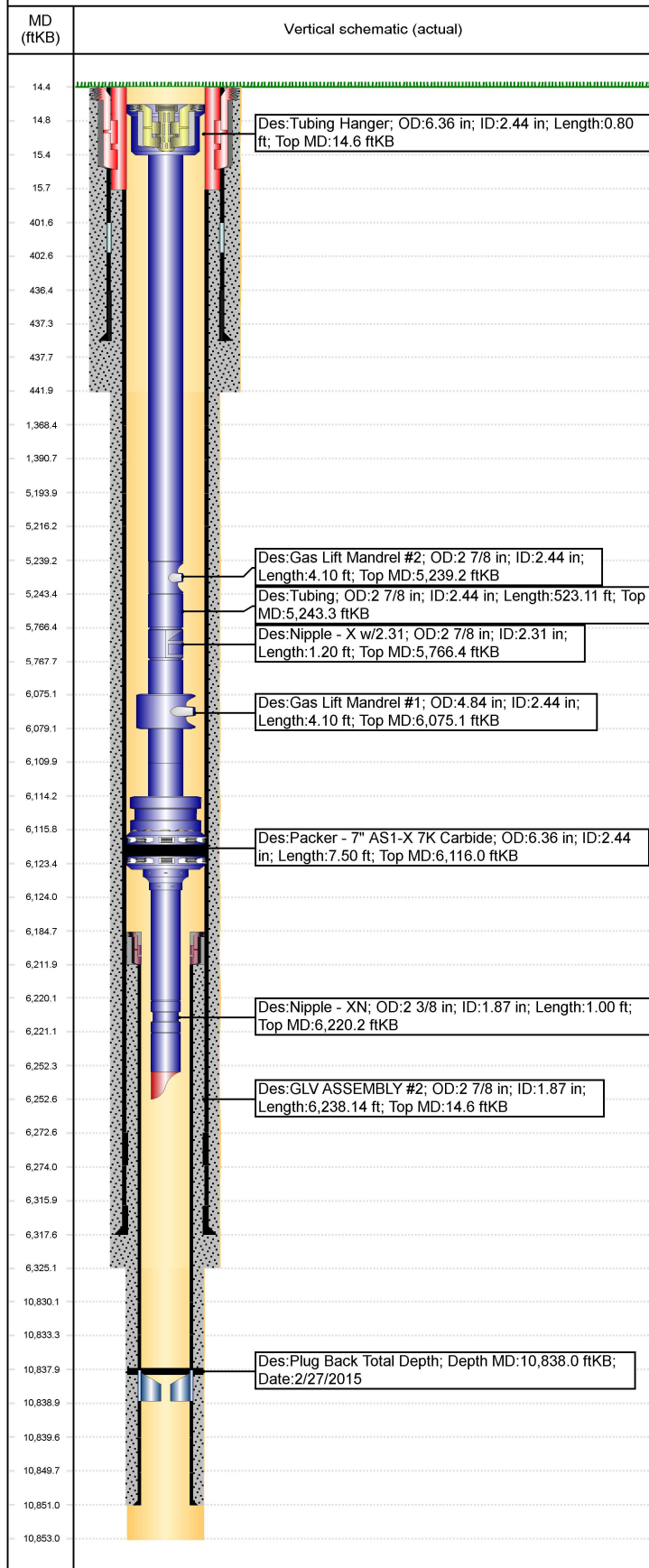
Enduring Resources IV - Production WBD

Well Name: CHACO 2307-17H 163H

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

API/UWI 30-039-31226	Surface Legal Location CHACO 2307-17H 163H	Field Name CHACO	License #	State/Province NEW MEXICO	Well Configuration Type OIL
Original KB Elevation (ft) 7,269.01	KB-Tubing Head Distance (ft)	Spud Date 2/17/2015 22:30	Rig Release Date 2/28/2015 08:00	PBTD (All) (ftKB) Original Hole - 10,838.0	Total Depth All (TVD) (ftKB) Original Hole - 5,647.3

OIL, Original Hole, 7/27/2021 10:19:26 PM



Wellbore Sections

Section Des	Size (in)	Act Top (ftKB)	Act Top (TVD) (ftKB)	Act Btm (ftKB)	Act Btm (TVD) (ftKB)
SURFACE	12 1/4	14.4	14.4	442.0	442.0
INTERMEDIATE	8 3/4	442.0	442.0	6,325.0	5,711.7
PRODUCTION	6 1/8	6,325.0	5,711.7	10,853.0	5,647.3

Rod Strings

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

GLV ASSEMBLY #2 set at 6,252.7ftKB on 7/13/2021 07:00

Tubing Description		Run Date			String Length (ft)		Set Depth (ftKB)	
GLV ASSEMBLY #2		7/13/2021			6,238.14		6,252.7	
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	14.6	15.4
Tubing	169	J-55	6.50	2 7/8	2.44	5,223.78	15.4	5,239.2
Gas Lift Mandrel #2	1			2 7/8	2.44	4.10	5,239.2	5,243.3
Tubing	17	J-55	6.50	2 7/8	2.44	523.11	5,243.3	5,766.4
Nipple - X w/2.31	1	J-55		2 7/8	2.31	1.20	5,766.4	5,767.6
Tubing	10	J-55	6.50	2 7/8	2.44	307.54	5,767.6	6,075.1
Gas Lift Mandrel #1	1			4.835	2.44	4.10	6,075.1	6,079.2
Tubing	1	J-55	6.50	2 7/8	2.44	30.72	6,079.2	6,110.0
Tubing - Pup Jnt	1	J-55	6.50	2 7/8	2.44	4.20	6,110.0	6,114.2
On-Off Tool w/ FN	1			5.85	2.25	1.82	6,114.2	6,116.0
Packer - 7" AS1-X 7K Carbide	1			6.36	2.44	7.50	6,116.0	6,123.5
Cross Over	1			3.668	2.00	0.40	6,123.5	6,123.9
Tubing	3	J-55	4.70	2 3/8	2.00	96.31	6,123.9	6,220.2
Nipple - XN	1			2 3/8	1.87	1.00	6,220.2	6,221.2
Tubing	1	J-55	4.70	2 3/8	2.00	31.16	6,221.2	6,252.3
Half Mule Shoe w/pinned Collar				2 3/8	2.00	0.40	6,252.3	6,252.7

SURFACE CASING, 437.5ftKB

OD (in) 9 5/8	Wt/Len (lb/ft) 36.00	String Grade J-55	Top Connection LT&C	Top (ftKB) 14.4	Set Depth (ftKB) 437.5	
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Joints			12	387.15	14.4	401.6
Float Collar			1	0.90	401.6	402.5
Casing Joints			1	33.78	402.5	436.2
Casing Shoe			1	1.25	436.2	437.5

INTERMEDIATE CASING, 6,317.6ftKB

OD (in) 7	Wt/Len (lb/ft) 23.00	String Grade J-55	Top Connection LT&C	Top (ftKB) 14.4	Set Depth (ftKB) 6,317.6	
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Hanger			1	1.50	14.4	15.9
Casing Joints			32	1,352.46	15.9	1,368.4
Casing - MARKER JOINT			1	22.41	1,368.4	1,390.8
Casing Joints			90	3,803.15	1,390.8	5,193.9
Casing - MARKER JOINT			1	22.15	5,193.9	5,216.1
Casing Joints			25	1,056.42	5,216.1	6,272.5
Casing Float Collar			1	1.35	6,272.5	6,273.8
Casing Joints			1	42.25	6,273.8	6,316.1
Casing Float Shoe			1	1.50	6,316.1	6,317.6



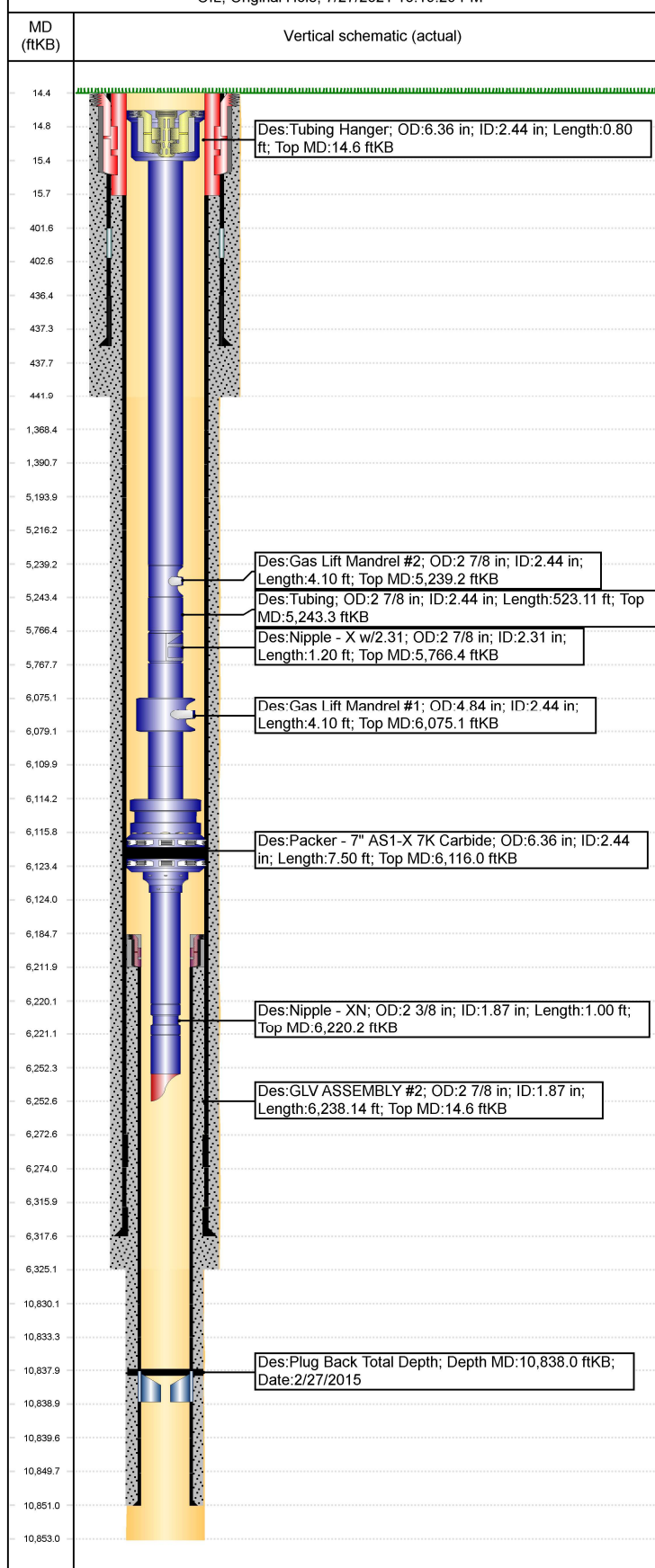
Enduring Resources IV - Production WBD

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OIL, Original Hole, 7/27/2021 10:19:29 PM



PRODUCTION CASING #1, 10,851.0ftKB

OD (in) 4 1/2	Wt/Len (lb/ft) 11.60	String Grade P-110	Top Connection LT&C	Top (ftKB) 6,184.6	Set Depth (ftKB) 10,851.0	
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Liner Hanger			1	27.16	6,184.6	6,211.8
Casing Joints			127	4,618.10	6,211.8	10,829.9
Rapid Frac Sleeve			1	3.38	10,829.9	10,833.3
Casing Joints (PUP)			1	4.52	10,833.3	10,837.8
Landing Collar			1	1.02	10,837.8	10,838.8
Casing Float Collar			1	0.90	10,838.8	10,839.7
Casing Joints (PUP)			1	10.06	10,839.7	10,849.8
Casing Float Shoe			1	1.25	10,849.8	10,851.0

Cement

Description Surface Casing Cement	Cementing Start Date 8/26/2014	Cementing End Date 8/26/2014
Comment MO-TE PRESET		
Description Intermediate Casing Cement	Cementing Start Date 2/22/2015	Cementing End Date 2/22/2015
Comment		
Description Liner Cement	Cementing Start Date 2/27/2015	Cementing End Date 2/27/2015
Comment		

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 53668

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 53668
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

Created By	Condition	Condition Date
ahvermersch	None	5/10/2022