

Submit a Copy To Appropriate District
Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-045-35439
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. VO9208
7. Lease Name or Unit Agreement Name CHACO 2308 16I
8. Well Number 147H
9. OGRID Number 372286
10. Pool name or Wildcat NAGEEZI GL/ BASIN MC
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6858'

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator
ENDURING RESOURCES IV LLC

3. Address of Operator
200 Energy Court Farmington NM 87401

4. Well Location

Unit Letter I : 1491' feet from the S line and 248' feet from the E line

Section 16 Township 23N Range 8W NMPM County SAN JUAN

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Enduring Resources completed a workover on CHACO 2308-16I 147H to repair the rod pump completion. An updated schematic is attached.

EOT: 5,571' MD

SN: 5,503' MD

TAC: 4,508' MD

Job Start: 7/22/2021

Job End: 7/23/2021

Spud Date: 2/20/13

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Heather Huntington TITLE Permitting Technician DATE 08/24/2021

Type or print name Heather Huntington E-mail address: hhuntington@enduringresources.com PHONE: 505-636-9751

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____
Conditions of Approval (if any): _____



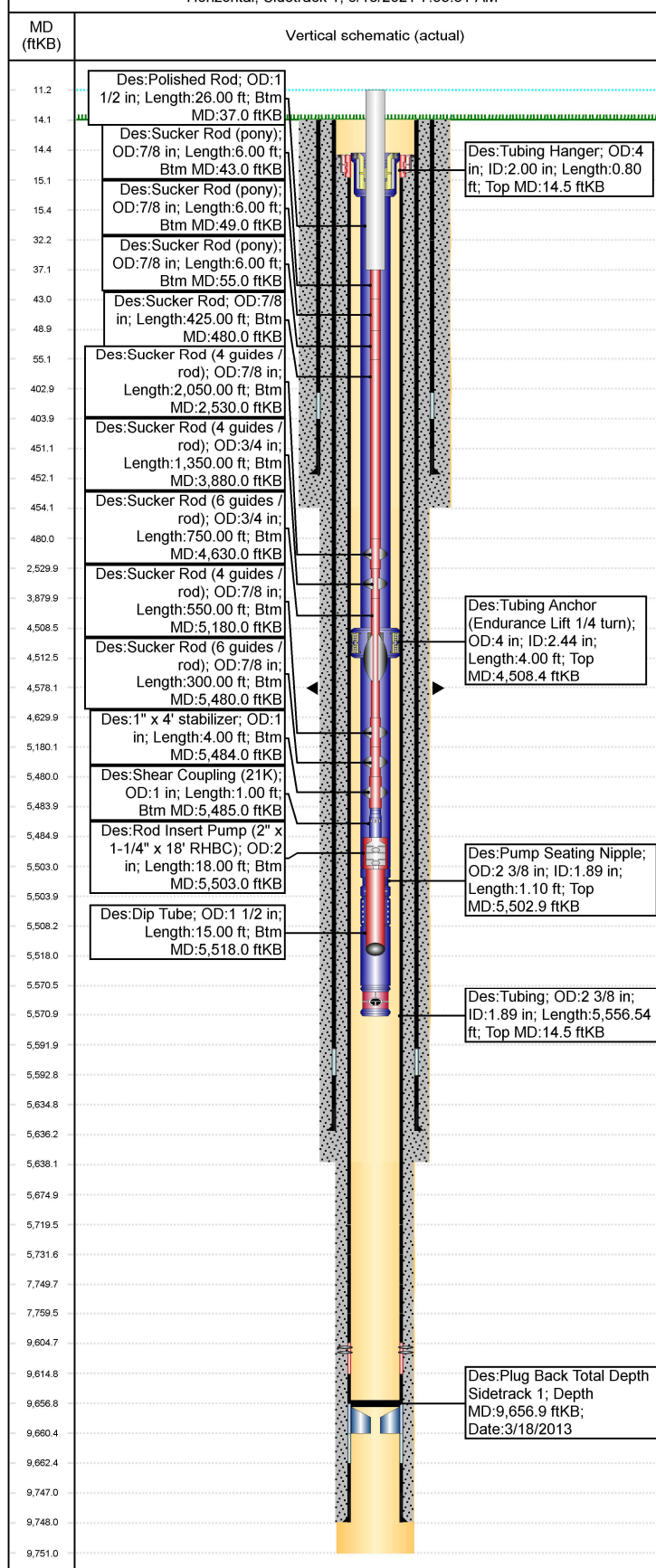
Enduring Resources IV - Production WBD

Well Name: CHACO 2308-16I 147H

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

API/UWI 30-045-35439	Surface Legal Location (Unit I) NE/4, SE/3, Section 16, Twp 23N,...	Field Name CHACO	License #	State/Province NEW MEXICO	Well Configuration Type Horizontal
Original KB Elevation (ft) 6,872.01	KB-Tubing Head Distance (ft)	Spud Date 2/20/2013 04:30	Rig Release Date 3/18/2013 00:00	PBTD (All) (ftKB) Sidetrack 1 - 9,656.9	Total Depth All (TVD) (ftKB)

Horizontal, Sidetrack 1, 8/13/2021 7:53:51 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	4,578.0	4,483.3	5,638.0	5,126.2
Production Hole	6 1/4	5,638.0	5,126.2	9,751.0	4,991.8

Rod Strings

Rod Description	Run Date	String Length (ft)		Set Depth (ftKB)	
Rod	7/23/2021	5,507.00		5,518.0	
Item Des	Jts	OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Polished Rod	1	1 1/2	26.00	11.0	37.0
Sucker Rod (pony)	1	7/8	6.00	37.0	43.0
Sucker Rod (pony)	1	7/8	6.00	43.0	49.0
Sucker Rod (pony)	1	7/8	6.00	49.0	55.0
Sucker Rod	17	7/8	425.00	55.0	480.0
Sucker Rod (4 guides / rod)	81	7/8	2,050.00	480.0	2,530.0
Sucker Rod (4 guides / rod)	54	3/4	1,350.00	2,530.0	3,880.0
Sucker Rod (6 guides / rod)	30	3/4	750.00	3,880.0	4,630.0
Sucker Rod (4 guides / rod)	22	7/8	550.00	4,630.0	5,180.0
Sucker Rod (6 guides / rod)	12	7/8	300.00	5,180.0	5,480.0
1" x 4' stabilizer	1	1	4.00	5,480.0	5,484.0
Shear Coupling (21K)	1	1	1.00	5,484.0	5,485.0
Rod Insert Pump (2" x 1-1/4" x 18' RHBC)	1	2	18.00	5,485.0	5,503.0
Dip Tube	1	1 1/2	15.00	5,503.0	5,518.0

Tubing set at 5,571.0ftKB on 7/23/2021 13:30

Tubing Description		Run Date		String Length (ft)			Set Depth (ftKB)	
Tubing		7/23/2021		5,556.54			5,571.0	
Item Des	Jts	Grade	Wt (lb/ft)	OD (in)	ID (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger	1			4	2.00	0.80	14.5	15.3
Tubing	144	J-55	4.70	2 3/8	2.00	4,493.12	15.3	4,508.4
Tubing Anchor (Endurance Lift 1/4 turn)	1			4	2.44	4.00	4,508.4	4,512.4
Tubing	32	J-55	4.70	2 3/8	2.00	990.50	4,512.4	5,502.9
Pump Seating Nipple	1			2 3/8	1.89	1.10	5,502.9	5,504.0
Perforated Pup Joint	1	J-55	4.70	2 3/8	2.00	4.10	5,504.0	5,508.1
Tubing	2	J-55	4.70	2 3/8	2.00	62.42	5,508.1	5,570.5
Purge Valve	1			2 3/8	2.00	0.50	5,570.5	5,571.0

Surface Casing, 452.0ftKB

OD (in) 9 5/8	Wt/Len (lb/ft) 36.00	String Grade J-55	Top Connection	Top (ftKB) 14.0	Set Depth (ftKB) 452.0	
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Joints			1	18.00	14.0	32.0
Casing Joints			8	371.00	32.0	403.0
Float Collar				1.00	403.0	404.0
Casing Joints			1	47.00	404.0	451.0
Guide Shoe				1.00	451.0	452.0

Intermediate Casing, 5,636.0ftKB

OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)	
7	23.00	J-55		14.0	5,636.0	
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Joints				5,578.00	14.0	5,592.0
Float Collar				1.00	5,592.0	5,593.0
Casing Joints				42.00	5,593.0	5,635.0
Float Shoe				1.00	5,635.0	5,636.0

Production Casing, 9,748.0ftKB

OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
4 1/2	11.60	N-80		14.5	9,748.0
Item Des			Jts	Len (ft)	Top (ftKB)
Casing Hanger				0.50	14.5
Casing Joints			137	5,704.50	15.0
					5,719.5



Enduring Resources IV - Production WBD

Well Name: CHACO 2308-16I 147H

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

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Original KB Elevation (ft) 6,872.01	KB-Tubing Head Distance (ft)	Spud Date 2/20/2013 04:30	Rig Release Date 3/18/2013 00:00	PBTD (All) (ftKB) Sidetrack 1 - 9,656.9	Total Depth All (TVD) (ftKB)

Horizontal, Sidetrack 1, 8/13/2021 7:53:54 AM		Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
MD (ftKB)	Vertical schematic (actual)	Marker Joint	1	12.00	5,719.5	5,731.5
		Casing Joints	48	2,018.00	5,731.5	7,749.5
		Marker Joint	1	10.00	7,749.5	7,759.5
		Casing Joints	44	1,845.00	7,759.5	9,604.5
		Alpha Sleeve	1	10.40	9,604.5	9,614.9
		Casing Joints	1	42.00	9,614.9	9,656.9
		Landing Collar		3.50	9,656.9	9,660.4
		Float Collar		2.00	9,660.4	9,662.4
		Casing Joints	2	84.59	9,662.4	9,747.0
		Float Shoe		1.00	9,747.0	9,748.0
Cement						
Description		Cementing Start Date		Cementing End Date		
Surface Cement		2/21/2013		2/21/2013		
Comment						
20 BBL FW SPACER, 240 SX, 281 CU FT, 50 BBLs, [15.8 PPG, 1.17 YLD] 28.5 BBL MIX WATER. DROP TOP PLUG & DISPLACE W/ 31 BBLs FW, BUMP PLUG TO 735# FLOAT HELD OK. P.D. @ 01:56 HRS 02/21/2013. CIRC 14 BBLs CMT BACK TO CATCH TANK.						
Description		Cementing Start Date		Cementing End Date		
Intermediate Cement		3/9/2013		3/9/2013		
Comment						
Pump Lead, pump Tail, drop plug & displace W/ FW. Shut backside in with 70 Bbl to displace, displacing @ 1 bpm, Pump 100sx Class G Cap & 4.5 Bbl FW, Final Backside Press @ 136#, Shut Backside In.						
Description		Cementing Start Date		Cementing End Date		
Production Cement		3/16/2013		3/16/2013		
Comment						
Foamed lead cmt, 50/50 poz standard. 60.8 bbls, 234 sks. Tail cmt, 50/50 poz premium. 23.15 bbls / 100 sks. Cap Cmt, premium 12.4 Bbl, 60 sx SHUT WELL IN 4 HRS BEFORE ND BOPE.						
11.2	Des: Polished Rod; OD: 1 1/2 in; Length: 26.00 ft; Btm MD: 37.0 ftKB					
14.1	Des: Sucker Rod (pony); OD: 7/8 in; Length: 6.00 ft; Btm MD: 43.0 ftKB					
14.4	Des: Sucker Rod (pony); OD: 7/8 in; Length: 6.00 ft; Btm MD: 49.0 ftKB	Des: Tubing Hanger; OD: 4 in; ID: 2.00 in; Length: 0.80 ft; Top MD: 14.5 ftKB				
15.1	Des: Sucker Rod (pony); OD: 7/8 in; Length: 6.00 ft; Btm MD: 55.0 ftKB					
15.4	Des: Sucker Rod (pony); OD: 7/8 in; Length: 6.00 ft; Btm MD: 55.0 ftKB					
32.2	Des: Sucker Rod (pony); OD: 7/8 in; Length: 6.00 ft; Btm MD: 55.0 ftKB					
37.1	Des: Sucker Rod (pony); OD: 7/8 in; Length: 6.00 ft; Btm MD: 55.0 ftKB					
43.0	Des: Sucker Rod; OD: 7/8 in; Length: 425.00 ft; Btm MD: 480.0 ftKB					
48.9	Des: Sucker Rod (4 guides / rod); OD: 7/8 in; Length: 2,050.00 ft; Btm MD: 2,530.0 ftKB					
55.1	Des: Sucker Rod (4 guides / rod); OD: 7/8 in; Length: 1,350.00 ft; Btm MD: 3,880.0 ftKB					
402.9	Des: Sucker Rod (6 guides / rod); OD: 3/4 in; Length: 750.00 ft; Btm MD: 4,630.0 ftKB					
403.9	Des: Sucker Rod (4 guides / rod); OD: 7/8 in; Length: 550.00 ft; Btm MD: 5,180.0 ftKB	Des: Tubing Anchor (Endurance Lift 1/4 turn); OD: 4 in; ID: 2.44 in; Length: 4.00 ft; Top MD: 4,508.4 ftKB				
451.1	Des: Sucker Rod (6 guides / rod); OD: 7/8 in; Length: 300.00 ft; Btm MD: 5,480.0 ftKB					
452.1	Des: 1" x 4" stabilizer; OD: 1 in; Length: 4.00 ft; Btm MD: 5,484.0 ftKB					
454.1	Des: Shear Coupling (21K); OD: 1 in; Length: 1.00 ft; Btm MD: 5,485.0 ftKB					
480.0	Des: Rod Insert Pump (2" x 1-1/4" x 18" RHBC); OD: 2 in; Length: 18.00 ft; Btm MD: 5,503.0 ftKB	Des: Pump Seating Nipple; OD: 2 3/8 in; ID: 1.89 in; Length: 1.10 ft; Top MD: 5,502.9 ftKB				
2,529.9	Des: Dip Tube; OD: 1 1/2 in; Length: 15.00 ft; Btm MD: 5,518.0 ftKB					
3,879.9						
4,508.5						
4,512.5						
4,578.1						
4,629.9						
5,180.1						
5,480.0						
5,483.9						
5,484.9						
5,503.0						
5,503.9						
5,508.2						
5,518.0						
5,570.5						
5,570.9		Des: Tubing; OD: 2 3/8 in; ID: 1.89 in; Length: 5,556.54 ft; Top MD: 14.5 ftKB				
5,591.9						
5,592.8						
5,634.8						
5,636.2						
5,638.1						
5,674.9						
5,719.5						
5,731.6						
7,749.7						
7,759.5						
9,604.7						
9,614.8						
9,656.8		Des: Plug Back Total Depth Sidetrack 1; Depth MD: 9,656.9 ftKB; Date: 3/18/2013				
9,660.4						
9,662.4						
9,747.0						
9,748.0						
9,751.0						

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 44002

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 44002
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

Created By	Condition	Condition Date
dmcclure	Accepted for Record	2/17/2022