

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

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

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
6858'

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 performed a workover to repair the rod pump completion. An updated schematic is attached.

Job Start: 2/11/2021

Job End: 2/16/2021

EOT: 5,564' MD

SN: 5,496' MD

TAC: 4,502' MD

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: 3/10/2021

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

For State Use Only

Kurt Simmons

NMOCD

05/06/2021

APPROVED BY: _____ TITLE: _____ DATE: _____

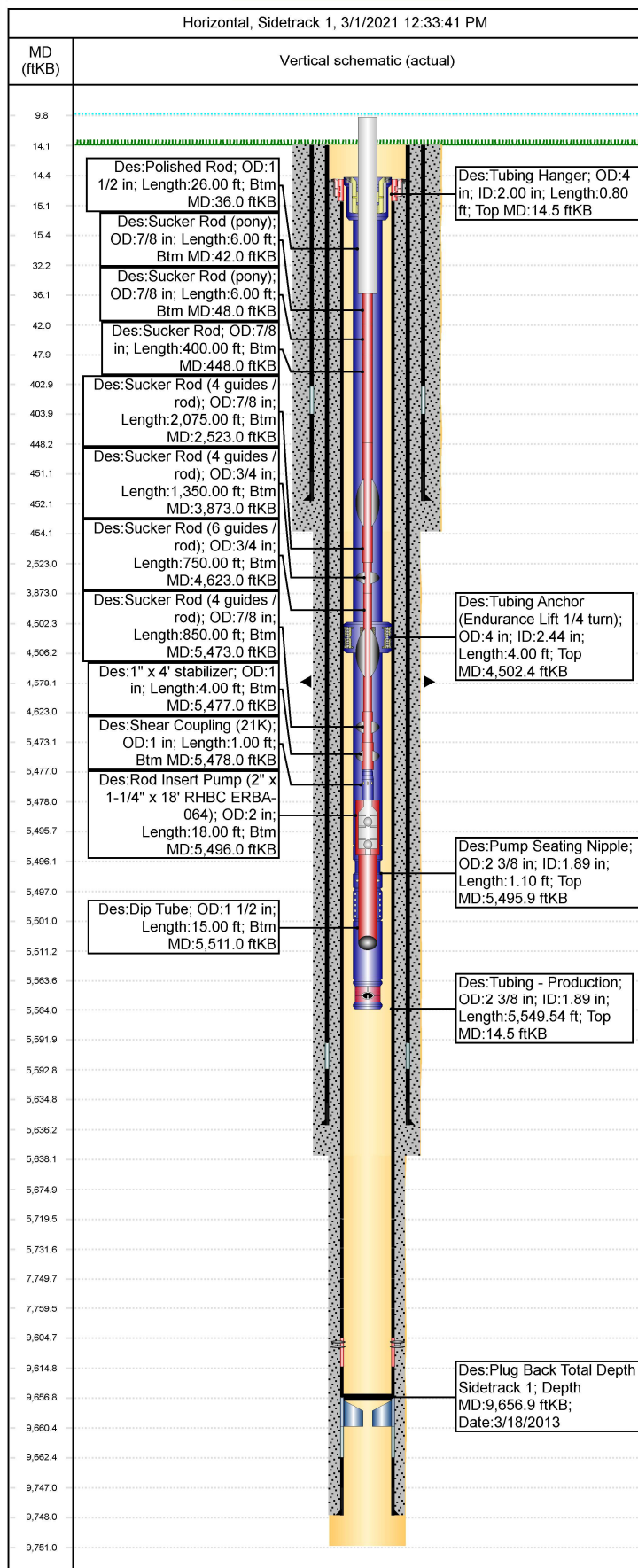
Conditions of Approval (if any):



Enduring Resources IV - Production WBD

Well Name: CHACO 2308-16I 147H

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)



Wellbore Sections								
Section Description Intermediate Hole	Size (in) 8 3/4	Act Top (ft...) 4,578.0	Act Top (T...) 4,483.3	Act Btm (ft...) 5,638.0	Act Btm (T...) 5,126.2			
Section Description Production Hole	Size (in) 6 1/4	Act Top (ft...) 5,638.0	Act Top (T...) 5,126.2	Act Btm (ft...) 9,751.0	Act Btm (T...) 4,991.8			
Rod Strings								
Rod Description Rod	Run Date 2/16/2021	String Length (ft) 5,501.00		Set Depth (ftKB) 5,511.0				
Item Des	Jts	OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)			
Polished Rod	1	1 1/2	26.00	10.0	36.0			
Sucker Rod (pony)	1	7/8	6.00	36.0	42.0			
Sucker Rod (pony)	1	7/8	6.00	42.0	48.0			
Sucker Rod	16	7/8	400.00	48.0	448.0			
Sucker Rod (4 guides / rod)	83	7/8	2,075.00	448.0	2,523.0			
Sucker Rod (4 guides / rod)	54	3/4	1,350.00	2,523.0	3,873.0			
Sucker Rod (6 guides / rod)	30	3/4	750.00	3,873.0	4,623.0			
Sucker Rod (4 guides / rod)	34	7/8	850.00	4,623.0	5,473.0			
1" x 4' stabilizer	1	1	4.00	5,473.0	5,477.0			
Shear Coupling (21K)	1	1	1.00	5,477.0	5,478.0			
Rod Insert Pump (2" x 1-1/4" x 18' RHBC ERBA-064)	1	2	18.00	5,478.0	5,496.0			
Dip Tube	1	1 1/2	15.00	5,496.0	5,511.0			
Tubing - Production set at 5,564.0ftKB on 2/11/2021 16:30								
Tubing Description Tubing - Production	Run Date 2/11/2021	String Length (ft) 5,549.54		Set Depth (ftKB) 5,564.0				
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	145	J-55	4.70	2 3/8	2.00	4,487.12	15.3	4,502.4
Tubing Anchor (Endurance Lift 1/4 turn)	1			4	2.44	4.00	4,502.4	4,506.4
Tubing	32	J-55	4.70	2 3/8	2.00	989.50	4,506.4	5,495.9
Pump Seating Nipple	1			2 3/8	1.89	1.10	5,495.9	5,497.0
Perforated Pup Joint	1	J-55	4.70	2 3/8	2.00	4.10	5,497.0	5,501.1
Tubing	2	J-55	4.70	2 3/8	2.00	62.42	5,501.1	5,563.5
Purge Valve	1			2 3/8	2.00	0.50	5,563.5	5,564.0
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) 7	Wt/Len (lb/ft) 23.00	String Grade J-55	Top Connection		Top (ftKB) 14.0	Set Depth (ftKB) 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) 4 1/2	Wt/Len (lb/ft) 11.60	String Grade N-80	Top Connection		Top (ftKB) 14.5	Set Depth (ftKB) 9,748.0		
Item Des	Jts	Len (ft)		Top (ftKB)	Btm (ftKB)			
Casing Hanger		0.50		14.5	15.0			
Casing Joints	137	5,704.50		15.0	5,719.5			
Marker Joint	1	12.00		5,719.5	5,731.5			
Casing Joints	48	2,018.00		5,731.5	7,749.5			



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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, 3/1/2021 12:33:47 PM		Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
MD (ftKB)	Vertical schematic (actual)	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.				
9.8						
14.1						
14.4		Des:Polished Rod; OD:1 1/2 in; Length:26.00 ft; Btm MD:36.0 ftKB				
15.1						
15.4		Des:Sucker Rod (pony); OD:7/8 in; Length:6.00 ft; Btm MD:42.0 ftKB				
32.2						
36.1		Des:Sucker Rod (pony); OD:7/8 in; Length:6.00 ft; Btm MD:48.0 ftKB				
42.0						
47.9		Des:Sucker Rod; OD:7/8 in; Length:400.00 ft; Btm MD:448.0 ftKB				
402.9						
403.9		Des:Sucker Rod (4 guides / rod); OD:7/8 in; Length:2,075.00 ft; Btm MD:2,523.0 ftKB				
448.2						
451.1		Des:Sucker Rod (4 guides / rod); OD:3/4 in; Length:1,350.00 ft; Btm MD:3,873.0 ftKB				
452.1						
454.1		Des:Sucker Rod (6 guides / rod); OD:3/4 in; Length:750.00 ft; Btm MD:4,623.0 ftKB				
2,523.0						
3,873.0		Des:Sucker Rod (4 guides / rod); OD:7/8 in; Length:850.00 ft; Btm MD:5,473.0 ftKB				
4,502.3						
4,506.2		Des:Tubing Anchor (Endurance Lift 1/4 turn); OD:4 in; ID:2.44 in; Length:4.00 ft; Top MD:4,502.4 ftKB				
4,578.1						
4,623.0		Des:1" x 4' stabilizer; OD:1 in; Length:4.00 ft; Btm MD:5,477.0 ftKB				
5,473.1						
5,477.0		Des:Shear Coupling (21K); OD:1 in; Length:1.00 ft; Btm MD:5,478.0 ftKB				
5,478.0						
5,495.7		Des:Rod Insert Pump (2" x 1-1/4" x 18' RHBC ERBA-064); OD:2 in; Length:18.00 ft; Btm MD:5,496.0 ftKB				
5,496.1						
5,497.0						
5,501.0		Des:Dip Tube; OD:1 1/2 in; Length:15.00 ft; Btm MD:5,511.0 ftKB				
5,511.2						
5,563.6						
5,564.0						
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						
9,660.4						
9,662.4						
9,747.0						
9,748.0						
9,751.0						

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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 20631

CONDITIONS OF APPROVAL

Operator: ENDURING RESOURCES, LLC 1050 17TH STREET, SUITE 2500 DENVER, CO80265				OGRID: 372286	Action Number: 20631	Action Type: C-103R
OCD Reviewer				Condition		
ksimmons				None		