

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, 2013

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

WELL API NO.

30-043-21148

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

V09210

7. Lease Name or Unit Agreement Name

Chaco 2206-16A8. Well Number **221H**

9. OGRID Number

372286

10. Pool name or Wildcat

Lybrook Gallup

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 A : 738' feet from the N line and 270' feet from the E lineSection: 16 Township: 22N Range: 6W NMPM County: SandovalUnit Letter D : 363' feet from the N line and 291' feet from the W lineSection: 16 Township: 22N Range: 6W

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

7148'

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 ☐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.

EOT: 5,247' MD

SN: 5,128' MD

TAC: 5,125' MD

Job Start: 12/07/2020

Job End: 12/09/2020

Spud Date:

7/23/13

Rig Release Date:

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

SIGNATURE



TITLE Permit Tech

DATE 12/11/2020

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):

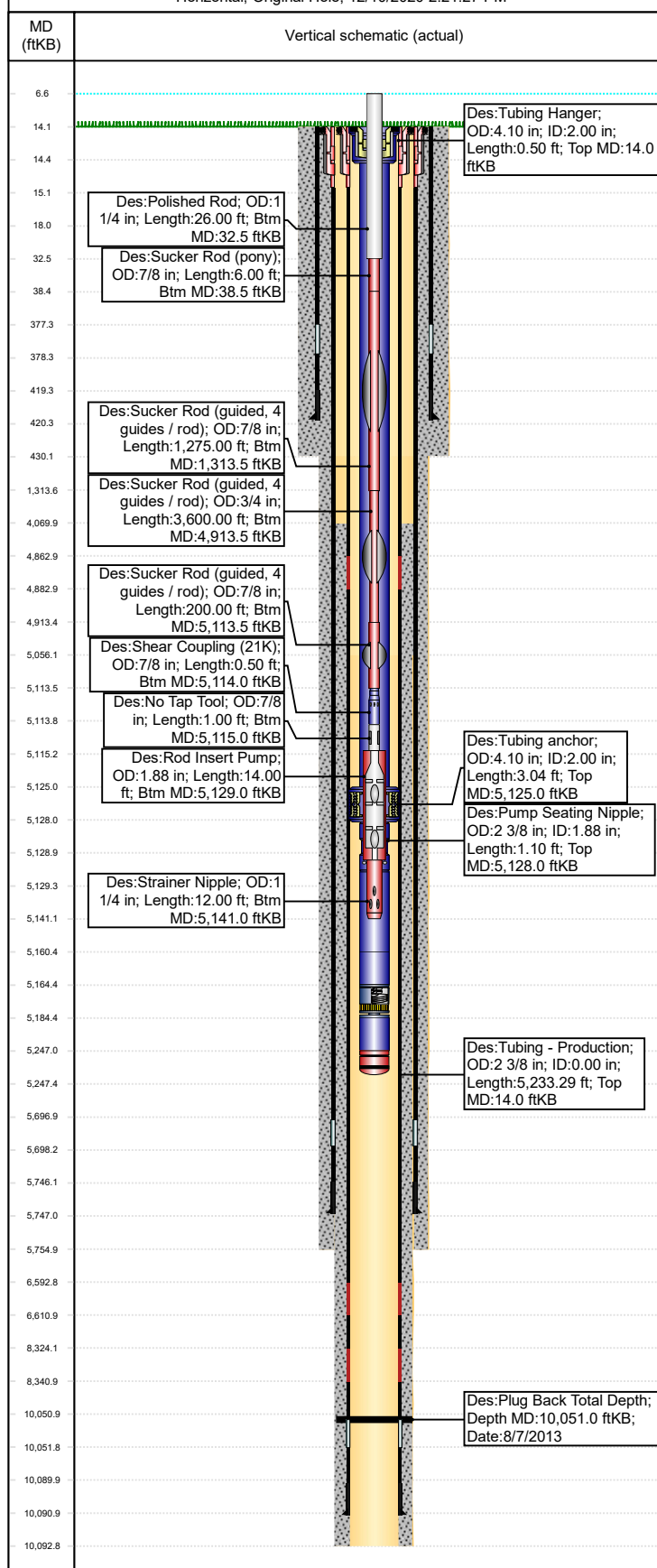


Enduring Resources IV - Production WBD

Well Name: CHACO 2206-16A 221H

API/UWI 30-043-21148	Surface Legal Location NE/4, NE/4, Section 16 (D), Twp 22N, Rn...	Field Name CHACO	License #	State/Province NEW MEXICO	Well Configuration Type Horizontal
Original KB Elevation (ft) 7,162.01	KB-Tubing Head Distance (ft)	Spud Date 7/23/2013 08:00	Rig Release Date 8/7/2013 23:00	PBTD (All) (ftKB) Original Hole - 10,051.0	Total Depth All (TVD) (ftKB) Original Hole - 5,317.3

Horizontal, Original Hole, 12/10/2020 2:21:27 PM



Wellbore Sections

Section Description SURFACE HOLE	Size (in) 12 1/4	Act Top (ft...) 14.0	Act Top (T...) 14.0	Act Btm (ft...) 430.0	Act Btm (T...) 430.0
Section Description INTERMEDIATE HOLE	Size (in) 8 3/4	Act Top (ft...) 430.0	Act Top (T...) 430.0	Act Btm (ft...) 5,755.0	Act Btm (T...) 5,392.0
Section Description PRODUCTION HOLE	Size (in) 6 1/8	Act Top (ft...) 5,056.0	Act Top (T...) 5,009.8	Act Btm (ft...) 10,093.0	Act Btm (T...) 5,317.3

Rod Strings

Rod Description Rod	Run Date 12/9/2020	String Length (ft) 5,134.50		Set Depth (ftKB) 5,141.0	
Item Des	Jts	OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Polished Rod	1	1 1/4	26.00	6.5	32.5
Sucker Rod (pony)	1	7/8	6.00	32.5	38.5
Sucker Rod (guided, 4 guides / rod)	51	7/8	1,275.00	38.5	1,313.5
Sucker Rod (guided, 4 guides / rod)	144	3/4	3,600.00	1,313.5	4,913.5
Sucker Rod (guided, 4 guides / rod)	8	7/8	200.00	4,913.5	5,113.5
Shear Coupling (21K)	1	7/8	0.50	5,113.5	5,114.0
No Tap Tool	1	7/8	1.00	5,114.0	5,115.0
Rod Insert Pump	1	1.88	14.00	5,115.0	5,129.0
Strainer Nipple	1	1 1/4	12.00	5,129.0	5,141.0

Tubing - Production set at 5,247.3ftKB on 12/8/2020 15:00

Tubing Description Tubing - Production		Run Date 12/8/2020		String Length (ft) 5,233.29			Set Depth (ftKB) 5,247.3	
Item Des	Jts	Grade	Wt (lb/ft)	OD (in)	ID (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger	1			4.1	2.00	0.50	14.0	14.5
Tubing	162	J-55	4.70	2 3/8	2.00	5,110.49	14.5	5,125.0
Tubing anchor	1			4.1	2.00	3.04	5,125.0	5,128.0
Pump Seating Nipple	1			2 3/8	1.88	1.10	5,128.0	5,129.1
Tubing	1	J-55	4.70	2 3/8	2.00	31.23	5,129.1	5,160.4
Tubing (4' pup)	1	J-55	4.70	2 3/8	2.00	4.03	5,160.4	5,164.4
Gas & Sand separator	1			2 3/8	2.00	20.00	5,164.4	5,184.4
Tubing	2	J-55	4.70	2 3/8	2.00	62.60	5,184.4	5,247.0
Bull Plug	1			2 3/8	0.00	0.30	5,247.0	5,247.3

SURFACE CASING, 420.2ftKB

Casing Data					
OD (in) 9 5/8	Wt/Len (lb/ft) 36.00	String Grade J-55	Top Connection	Top (ftKB) 14.0	Set Depth (ftKB) 420.2
Item Des			Jts	Len (ft)	Top (ftKB) Btm (ftKB)
Casing Joints				4.20	14.0 18.2
Casing Joints			9	359.00	18.2 377.2
Float Collar				1.00	377.2 378.2
Casing Joints			1	41.00	378.2 419.2
Casing Shoe				1.00	419.2 420.2

INTERMEDIATE CASING, 5,747.0ftKB

OD (in) 7	Wt/Len (lb/ft) 23.00	String Grade J-55	Top Connection		Top (ftKB) 14.0	Set Depth (ftKB) 5,747.0
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Hanger				1.00	14.0	15.0
Casing Joints			130	5,682.00	15.0	5,697.0
Float Collar				1.00	5,697.0	5,698.0
Casing Joint			1	48.00	5,698.0	5,746.0
Float Shoe				1.00	5,746.0	5,747.0

PRODUCTION CASING, 10,091.0ftKB

OD (in) 4 1/2	Wt/Len (lb/ft) 11.60	String Grade N-80	Top Connection	Top (ftKB) 14.0	Set Depth (ftKB) 10,091.0	
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Hanger				1.00	14.0	15.0
Casing Joints			127	4,848.00	15.0	4,863.0
Casing Marker Joint			1	20.00	4,863.0	4,883.0

Enduring Resources IV - Production WBD

API/UWI 30-043-21148	Surface Legal Location NE/4, NE/4, Section 16 (D), Twp 22N, Rn...	Field Name CHACO	License #	State/Province NEW MEXICO	Well Configuration Type Horizontal
Original KB Elevation (ft) 7,162.01	KB-Tubing Head Distance (ft)	Spud Date 7/23/2013 08:00	Rig Release Date 8/7/2013 23:00	PBTD (All) (ftKB) Original Hole - 10,051.0	Total Depth All (TVD) (ftKB) Original Hole - 5,317.3

Horizontal, Original Hole, 12/10/2020 2:21:28 PM

Vertical schematic (actual)

MD (ftKB)

Des: Polished Rod; OD: 1 1/4 in; Length: 26.00 ft; Btm MD: 32.5 ftKB

Des: Sucker Rod (pony); OD: 7/8 in; Length: 6.00 ft; Btm MD: 38.5 ftKB

Des: Sucker Rod (guided, 4 guides / rod); OD: 7/8 in; Length: 1,275.00 ft; Btm MD: 1,313.5 ftKB

Des: Sucker Rod (guided, 4 guides / rod); OD: 3/4 in; Length: 3,600.00 ft; Btm MD: 4,913.5 ftKB

Des: Sucker Rod (guided, 4 guides / rod); OD: 7/8 in; Length: 200.00 ft; Btm MD: 5,113.5 ftKB

Des: Shear Coupling (21K); OD: 7/8 in; Length: 0.50 ft; Btm MD: 5,114.0 ftKB

Des: No Tap Tool; OD: 7/8 in; Length: 1.00 ft; Btm MD: 5,115.0 ftKB

Des: Rod Insert Pump; OD: 1.88 in; Length: 14.00 ft; Btm MD: 5,129.0 ftKB

Des: Strainer Nipple; OD: 1 1/4 in; Length: 12.00 ft; Btm MD: 5,141.0 ftKB

Des: Tubing anchor; OD: 4.10 in; ID: 2.00 in; Length: 3.04 ft; Top MD: 5,125.0 ftKB

Des: Pump Seating Nipple; OD: 2 3/8 in; ID: 1.88 in; Length: 1.10 ft; Top MD: 5,128.0 ftKB

Des: Tubing - Production; OD: 2 3/8 in; ID: 0.00 in; Length: 5,233.29 ft; Top MD: 14.0 ftKB

Des: Plug Back Total Depth; Depth MD: 10,051.0 ftKB; Date: 8/7/2013

Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Joints	45	1,710.00	4,883.0	6,593.0
Casing Marker Joint	1	18.00	6,593.0	6,611.0
Casing Joints	45	1,713.00	6,611.0	8,324.0
Casing Marker Joint	1	17.00	8,324.0	8,341.0
Casing Joints	45	1,710.00	8,341.0	10,051.0
Float Collar		1.00	10,051.0	10,052.0
Casing Joints	1	38.00	10,052.0	10,090.0
Float Shoe		1.00	10,090.0	10,091.0

Cement

Description	Cementing Start Date	Cementing End Date
SURFACE CASING CEMENT	7/24/2013	7/24/2013
INTERMD CASING CEMENT	8/1/2013	8/2/2013
PROD CASING CEMENT	8/7/2013	8/7/2013

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 11890

CONDITIONS OF APPROVAL

Operator: ENDURING RESOURCES, LLC 1050 17TH STREET, SUITE 2500 DENVER, CO80265				OGRID: 372286	Action Number: 11890	Action Type: C-103R
OCD Reviewer ksimmons				Condition None		