

Form 3160-5
(June 2015)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use form 3160-3 (APD) for such proposals.5. Lease Serial No.
NMNM109387

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.
CHACO 2206-05A 437H

2. Name of Operator

ENDURING RESOURCES LLC

Contact: HEATHER HUNTINGTON
E-Mail: hhuntington@enduringresources.com9. API Well No.
30-043-21227-00-S1

3a. Address

1050 17TH STREET SUITE 2500
DENVER, CO 80265

3b. Phone No. (include area code)

Ph: 505-636-9751

10. Field and Pool or Exploratory Area
LYBROOK GALLUP

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 5 T22N R6W NENE 0989FNL 0341FEL
36.172463 N Lat, 107.483270 W Lon

11. County or Parish, State

SANDOVAL COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off	
☒ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity	
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other	Workover Operations
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon		
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

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

Job Start: 10/02/2020

Job End: 10/06/2020

EOT: 5,359? MD

SN: 5,289? MD

TAC: 5,187? MD

NMOCD REC'D
11/20/20

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #533460 verified by the BLM Well Information System
For ENDURING RESOURCES LLC, sent to the Farmington
Committed to AFMSS for processing by JOE KILLINS on 11/06/2020 (21JK0010SE)

Name (Printed/Typed) HEATHER HUNTINGTON

Title PERMITTING TECHNICIAN

Signature (Electronic Submission)

Date 10/09/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

ACCEPTED

JOE KILLINS
ENGINEER

Date 11/06/2020

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Farmington

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.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Revisions to Operator-Submitted EC Data for Sundry Notice #533460

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	WRK SR	WRK SR
Lease:	NMNM109387	NMNM109387
Agreement:		
Operator:	ENDURING RESOURCES 200 ENERGY COURT FARMINGTON, NM 87401 Ph: 505-636-9751	ENDURING RESOURCES LLC 1050 17TH STREET SUITE 2500 DENVER, CO 80265 Ph: 3035731222
Admin Contact:	HEATHER HUNTINGTON PERMITTING TECHNICIAN E-Mail: hhuntington@enduringresources.com Ph: 505-636-9751	HEATHER HUNTINGTON PERMITTING TECHNICIAN E-Mail: hhuntington@enduringresources.com Ph: 505-636-9751
Tech Contact:	HEATHER HUNTINGTON PERMITTING TECHNICIAN E-Mail: hhuntington@enduringresources.com Ph: 505-636-9751	HEATHER HUNTINGTON PERMITTING TECHNICIAN E-Mail: hhuntington@enduringresources.com Ph: 505-636-9751
Location:		
State:	NM	NM
County:	SANDOVAL	SANDOVAL
Field/Pool:	LYBROOK GALLUP	LYBROOK GALLUP
Well/Facility:	CHACO 2206 05A 437H Sec 5 T22N R6W 989FNL 341FEL	CHACO 2206-05A 437H Sec 5 T22N R6W NENE 0989FNL 0341FEL 36.172463 N Lat, 107.483270 W Lon

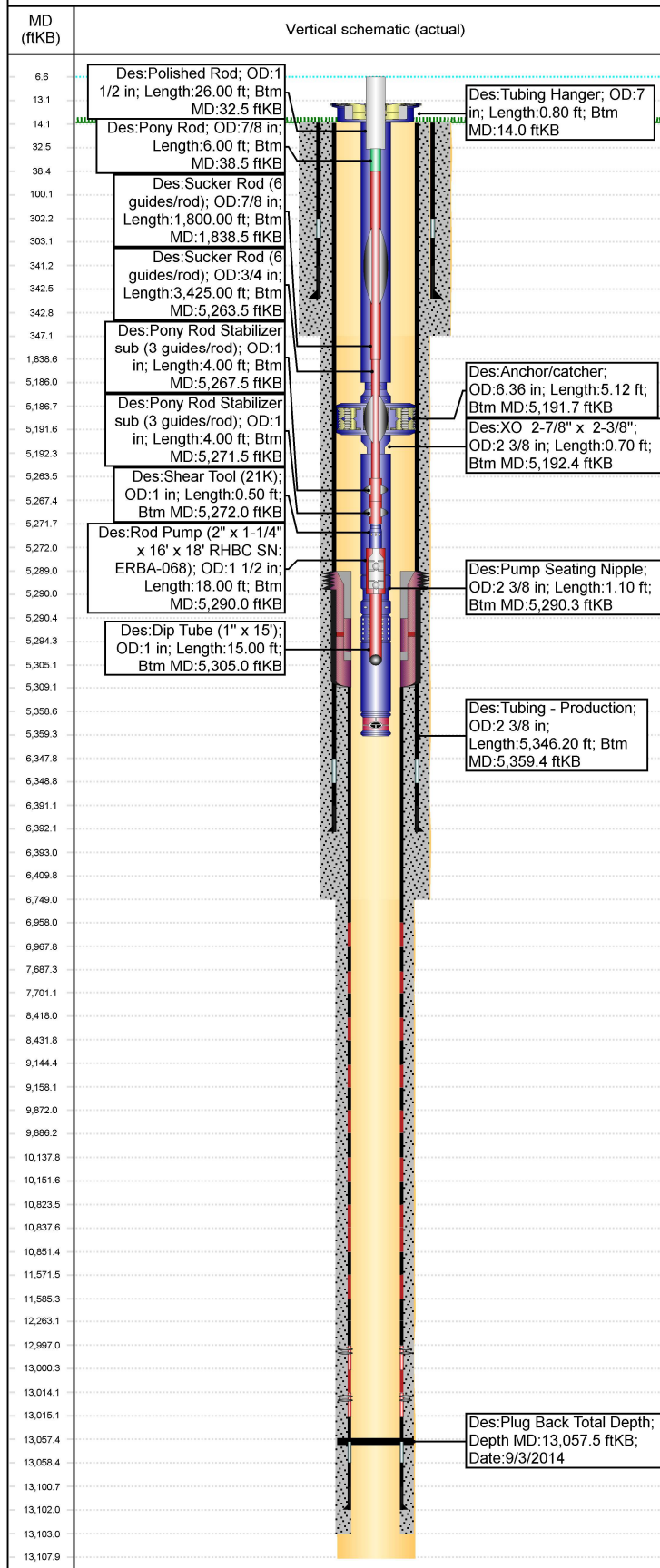


Enduring Resources IV - Production WBD

Well Name: CHACO 2206-05A 437H

API/UWI 30-043-21227	Surface Legal Location NE/4, NE/4, Section 6 (Unit G), Twp22 N...	Field Name CHACO	License #	State/Province NEW MEXICO	Well Configuration Type Horizontal
Original KB Elevation (ft) 6,943.01	KB-Tubing Head Distance (ft)	Spud Date 7/25/2014 07:00	Rig Release Date 9/3/2014 00:00	PBTD (All) (ftKB) Original Hole - 13,057.5	Total Depth All (TVD) (ftKB) Original Hole - 5,385.6

Horizontal, Original Hole, 10/7/2020 1:32:06 PM



Wellbore Sections

Section Description SURFACE	Size (in) 12 1/4	Act Top (ft...) 14.0	Act Top (T...) 14.0	Act Btm (ft...) 347.0	Act Btm (T...) 347.0
Section Description INTERMEDIATE	Size (in) 8 3/4	Act Top (ft...) 347.0	Act Top (T...) 347.0	Act Btm (ft...) 6,749.0	Act Btm (T...) 5,439.4
Section Description PRODUCTION	Size (in) 6 1/8	Act Top (ft...) 6,749.0	Act Top (T...) 5,439.4	Act Btm (ft...) 13,108.0	Act Btm (T...) 5,385.6

Rod Strings

Rod Description Rod	Run Date 10/6/2020	String Length (ft) 5,298.50		Set Depth (ftKB) 5,305.0	
Item Des	Jts	OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Polished Rod	1	1 1/2	26.00	6.5	32.5
Pony Rod	1	7/8	6.00	32.5	38.5
Sucker Rod (6 guides/rod)	72	7/8	1,800.00	38.5	1,838.5
Sucker Rod (6 guides/rod)	137	3/4	3,425.00	1,838.5	5,263.5
Pony Rod Stabilizer sub (3 guides/rod)	1	1	4.00	5,263.5	5,267.5
Pony Rod Stabilizer sub (3 guides/rod)	1	1	4.00	5,267.5	5,271.5
Shear Tool (21K)	1	1	0.50	5,271.5	5,272.0
Rod Pump (2" x 1-1/4" x 16" x 18" RHBC SN: ERBA-068)	1	1 1/2	18.00	5,272.0	5,290.0
Dip Tube (1" x 15')	1	1	15.00	5,290.0	5,305.0

Tubing - Production set at 5,359.4ftKB on 10/5/2020 11:00

Tubing Description		Run Date		String Length (ft)			Set Depth (ftKB)	
Tubing - Production		10/5/2020		5,346.20			5,359.4	
Item Des	Jts	Grade	Wt (lb/ft)	OD (in)	ID (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger	1			7	1.99	0.80	13.2	14.0
Tubing	169	J-55	4.70	2 3/8	2.00	5,171.87	14.0	5,185.9
XO 2-3/8" x 2-7/8"	1			2 3/8	2.00	0.70	5,185.9	5,186.6
Anchor/catcher	1			6.36	2.44	5.12	5,186.6	5,191.7
XO 2-7/8" x 2-3/8"	1			2 3/8	2.00	0.70	5,191.7	5,192.4
Tubing	3	J-55	4.70	2 3/8	2.00	96.81	5,192.4	5,289.2
Pump Seating Nipple	1			2 3/8	1.78	1.10	5,289.2	5,290.3
Perforated Pup Joint	1	J-55	4.70	2 3/8	2.00	4.06	5,290.3	5,294.4
Tubing	2	J-55	4.70	2 3/8	2.00	64.22	5,294.4	5,358.6
Valve Purge	1			2 3/8		0.82	5,358.6	5,359.4

SURFACE CASING, 342.6ftKB

OD (in) 9 5/8	Wt/Len (lb/ft) 40.00	String Grade J-55	Top Connection LT&C	Top (ftKB) 14.0	Set Depth (ftKB) 342.6	
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Joints			14	288.09	14.0	302.1
Float Collar			1	0.90	302.1	303.0
Casing Joints			2	38.23	303.0	341.2
Guide Shoe			1	1.42	341.2	342.6

INTERMEDIATE CASING, 6,392.1ftKB

OD (in) 7	Wt/Len (lb/ft) 23.00	String Grade J-55	Top Connection	Top (ftKB) 14.0	Set Depth (ftKB) 6,392.1	
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Joints			151	6,333.65	14.0	6,347.7
Float Collar			1	1.20	6,347.7	6,348.9
Casing Joints			1	42.17	6,348.9	6,391.0
Float Shoe			1	1.10	6,391.0	6,392.1

PRODUCTION LINER #1, 13,102.0ftKB

OD (in) 4 1/2	Wt/Len (lb/ft) 11.60	String Grade K-55	Top Connection	Top (ftKB) 5,289.0	Set Depth (ftKB) 13,102.0
Item Des			Jts	Len (ft)	
LINER HANGER			1	20.00	
				5,289.0	5,309.0
CASING JOINT(S)			26	1,100.80	
				5,309.0	6,409.8



Enduring Resources IV - Production WBD

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Horizontal, Original Hole, 10/7/2020 1:32:10 PM		Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	
MD (ftKB)	Vertical schematic (actual)						
6.6		CASING JOINT(S)	13	548.08	6,409.8	6,957.9	
13.1		MARKER JOINT	1	10.00	6,957.9	6,967.9	
14.1		CASING JOINT(S)	17	719.63	6,967.9	7,687.5	
32.5		MARKER JOINT	1	13.71	7,687.5	7,701.2	
38.4		CASING JOINT(S)	17	716.78	7,701.2	8,418.0	
100.1		MARKER JOINT	1	13.86	8,418.0	8,431.9	
302.2		CASING JOINT(S)	17	712.65	8,431.9	9,144.5	
303.1		MARKER JOINT	1	13.78	9,144.5	9,158.3	
341.2		CASING JOINT(S)	17	713.90	9,158.3	9,872.2	
342.5		MARKER JOINT	1	13.86	9,872.2	9,886.0	
342.8		CASING JOINT(S)	6	251.66	9,886.0	10,137.7	
347.1		MARKER JOINT	1	13.90	10,137.7	10,151.6	
1,838.6		CASING JOINT(S)	16	671.97	10,151.6	10,823.6	
5,186.0		MARKER JOINT	1	13.91	10,823.6	10,837.5	
5,186.7		MARKER JOINT	1	13.87	10,837.5	10,851.4	
5,191.6		CASING JOINT(S)	17	720.15	10,851.4	11,571.5	
5,192.3		MARKER JOINT	1	13.70	11,571.5	11,585.2	
5,263.5		CASING JOINT(S)	16	677.81	11,585.2	12,263.0	
5,267.4		CASING JOINT(S)	18	733.97	12,263.0	12,997.0	
5,271.7		RAPID FRAC SLEEVE	1	3.35	12,997.0	13,000.3	
5,272.0		MARKER JOINT	1	13.69	13,000.3	13,014.0	
5,289.0		RAPID FRAC SLEEVE	1	1.10	13,014.0	13,015.1	
5,290.0		CASING JOINT	1	42.36	13,015.1	13,057.5	
5,290.4		CASING FLOAT COLLAR	1	0.90	13,057.5	13,058.4	
5,294.3		CASING JOINT	1	42.37	13,058.4	13,100.8	
5,305.1		CASING FLOAT SHOE	1	1.24	13,100.8	13,102.0	
5,309.1		Cement					
5,309.6		Description		Cementing Start Date		Cementing End Date	
5,359.3	SURFACE CEMENT		7/25/2014		7/25/2014		
6,347.8	Comment						
6,348.8	101 sx (163 cu ft) cmt						
6,391.1	Description		Cementing Start Date		Cementing End Date		
6,392.1	INTERMEDIATE CEMENT		8/25/2014		8/25/2014		
6,393.0	Comment						
6,409.8	840 sx (1164 cu ft) cmt						
6,749.0	Description		Cementing Start Date		Cementing End Date		
6,958.0	PRODUCTION LINER CEMENT		9/3/2014		9/3/2014		
6,967.8	Comment						
7,687.3	590 sx (556 cu ft) cmt						
7,701.1							
8,418.0							
8,431.8							
9,144.4							
9,158.1							
9,872.0							
9,886.2							
10,137.8							
10,151.6							
10,823.5							
10,837.6							
10,851.4							
11,571.5							
11,585.3							
12,263.1							
12,997.0							
13,000.3							
13,014.1							
13,015.1							
13,057.4							
13,058.4							
13,100.7							
13,102.0							
13,103.0							
13,107.9							

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 18722

CONDITIONS OF APPROVAL

Operator:	ENDURING RESOURCES, LLC	1050 17TH STREET, SUITE 2500	DENVER, CO80265	OGRID:	372286	Action Number:	18722	Action Type:	C-103R
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OCD Reviewer	Condition
mkuehling	this is not a vertical well to 13,057 feet - this is a horizontal well. vertical schematics only go to depth vertically -horizontal schematics should show curve to length of well. the schematics you have submitted show this well as a vertical well to 13,057 feet.