

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.

8. Well Name and No.
CHACO 2206-05A 436H9. API Well No.
30-043-21226-00-S110. Field and Pool or Exploratory Area
LYBROOK GALLUP

11. County or Parish, State

SANDOVAL COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

ENDURING RESOURCES LLC

Contact: HEATHER HUNTINGTON

E-Mail: hhuntington@enduringresources.com

3a. Address

1050 17TH STREET SUITE 2500
DENVER, CO 80265

3b. Phone No. (include area code)

Ph: 505-636-9751

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

Sec 5 T22N R6W NENE 0939FNL 0357FEL
36.172600 N Lat, 107.483323 W Lon

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	
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Workover Operations	
	☐ 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 recompleat 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 recompleat 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: 09/30/2020

Job End: 10/02/2020

EOT: 5,549? MD

SN: 5,403? MD

TAC: 5,303? MD

NMOCD REC'D
11-20-20

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

Electronic Submission #533461 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 (21JK0011SE)

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 #533461

	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 436H Sec 5 T22N R6W 939FNL 367FEL	CHACO 2206-05A 436H Sec 5 T22N R6W NENE 0939FNL 0357FEL 36.172600 N Lat, 107.483323 W Lon

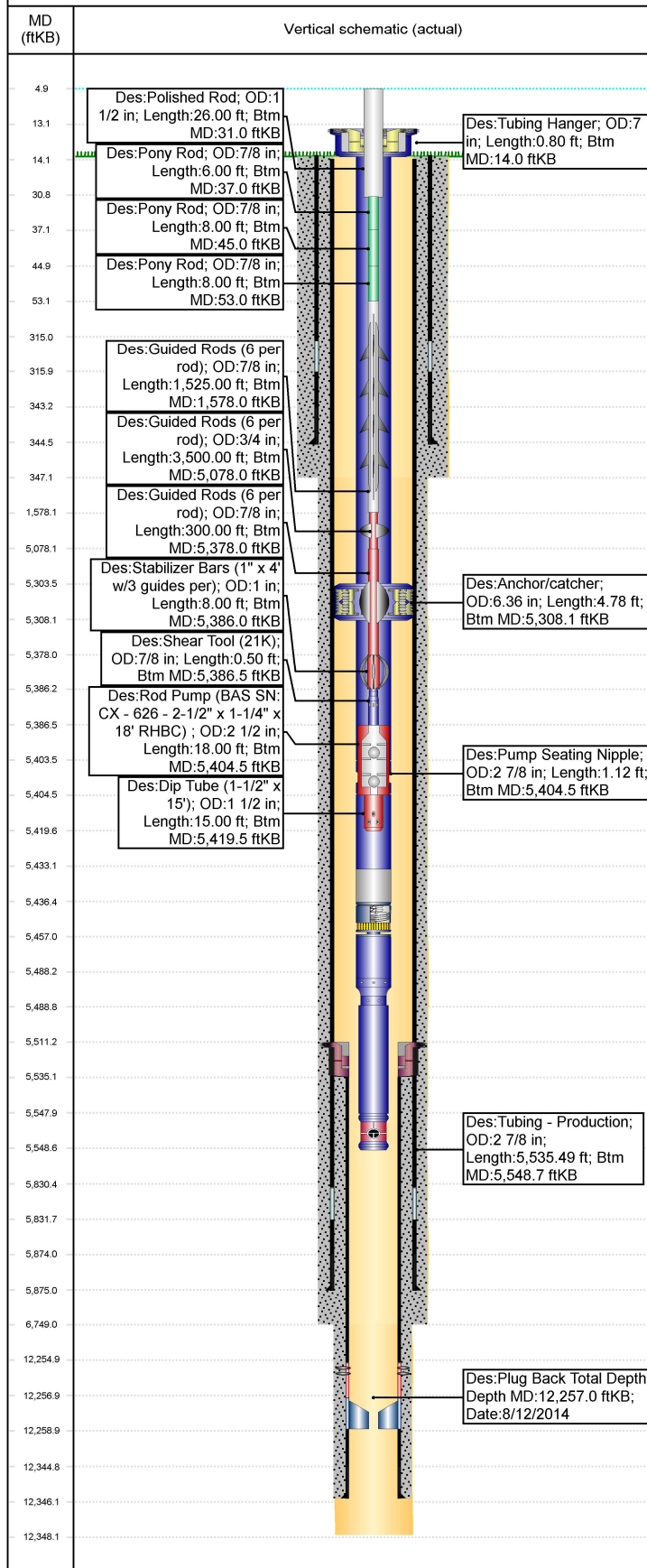


Enduring Resources IV - Production WBD

Well Name: CHACO 2206-05A 436H

API/UWI 30-043-21226	Surface Legal Location (Unit A) Section 05, Twp 22N, Rng 06W,...	Field Name CHACO	License #	State/Province NEW MEXICO	Well Configuration Type Horizontal
Original KB Elevation (ft) 7,140.00	KB-Tubing Head Distance (ft)	Spud Date 7/23/2014 06:15	Rig Release Date 8/13/2014 07:00	PBTD (All) (ftKB) Original Hole - 12,257.0	Total Depth All (TVD) (ftKB) Original Hole - 5,410.5

Horizontal, Original Hole, 10/5/2020 12:49:05 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...) 5,462.1
Section Description PRODUCTION	Size (in) 6.12	Act Top (ft...) 6,749.0	Act Top (T...) 5,462.1	Act Btm (ft...) 12,348.0	Act Btm (T...) 5,410.5

Rod Strings

Rod Description Rod	Run Date 10/2/2020	String Length (ft) 5,414.50		Set Depth (ftKB) 5,419.5	
Item Des	Jts	OD (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Polished Rod	1	1 1/2	26.00	5.0	31.0
Pony Rod	1	7/8	6.00	31.0	37.0
Pony Rod	1	7/8	8.00	37.0	45.0
Pony Rod	1	7/8	8.00	45.0	53.0
Guided Rods (6 per rod)	64	7/8	1,525.00	53.0	1,578.0
Guided Rods (6 per rod)	140	3/4	3,500.00	1,578.0	5,078.0
Guided Rods (6 per rod)	12	7/8	300.00	5,078.0	5,378.0
Stabilizer Bars (1" x 4' w/3 guides per)	2	1	8.00	5,378.0	5,386.0
Shear Tool (21K)	1	7/8	0.50	5,386.0	5,386.5
Rod Pump (BAS SN: CX - 626 - 2-1/2" x 1-1/4" x 18' RHBC)	1	2 1/2	18.00	5,386.5	5,404.5
Dip Tube (1-1/2" x 15')	1	1 1/2	15.00	5,404.5	5,419.5

Tubing - Production set at 5,548.7ftKB on 10/2/2020 08:00

Tubing Description		Run Date		String Length (ft)			Set Depth (ftKB)	
Tubing - Production		10/2/2020		5,535.49			5,548.7	
Item Des	Jts	Grade	Wt (lb/ft)	OD (in)	ID (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger				7	2.44	0.80	13.2	14.0
Tubing	163	J-55	6.50	2 7/8	2.44	5,289.32	14.0	5,303.3
Anchor/catcher	1			6.36	2.44	4.78	5,303.3	5,308.1
Tubing	3	J-55	6.50	2 7/8	2.44	95.28	5,308.1	5,403.4
Pump Seating Nipple	1			2 7/8	2.28	1.12	5,403.4	5,404.5
Tubing	1	J-55	6.50	2 7/8	2.44	28.72	5,404.5	5,433.2
Tubing Pup Joint		J-55	6.50	2 7/8	2.44	3.06	5,433.2	5,436.3
Gas separator (Hybrid X)				2 7/8	2.00	20.81	5,436.3	5,457.1
Tubing	1	J-55	6.50	2 7/8	2.44	31.20	5,457.1	5,488.3
Cross Over				2 7/8	2.00	0.50	5,488.3	5,488.8
Tubing	2	J-55	4.70	2 3/8	2.00	59.11	5,488.8	5,547.9
Purge Valve				2 3/8	0.00	0.79	5,547.9	5,548.7

SURFACE CASING, 344.6ftKB

OD (in) 9 5/8	Wt/Len (lb/ft) 36.00	String Grade J-55	Top Connection	Top (ftKB) 14.0	Set Depth (ftKB) 344.6	
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Joints			15	301.09	14.0	315.0
Float Collar			1	0.90	315.0	315.9
Casing Joints			2	27.23	315.9	343.2
Guide Shoe			1	1.42	343.2	344.6

INTERMEDIATE CASING, 5,875.0ftKB

OD (in) 7	Wt/Len (lb/ft) 23.00	String Grade J-55	Top Connection	Top (ftKB) 14.0	Set Depth (ftKB) 5,875.0	
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Joints			138	5,816.50	14.0	5,830.5
Float Collar			1	1.20	5,830.5	5,831.7
Casing Joints			1	42.17	5,831.7	5,873.9
Guide Shoe			1	1.10	5,873.9	5,875.0

PRODUCTION LINER, 12,346.0ftKB

OD (in) 4 1/2	Wt/Len (lb/ft) 11.60	String Grade P-110	Top Connection	Top (ftKB) 5,511.0	Set Depth (ftKB) 12,346.0
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Enduring Resources IV - Production WBD

Well Name: CHACO 2206-05A 436H

API/UWI 30-043-21226	Surface Legal Location (Unit A) Section 05, Twp 22N, Rng 06W,...	Field Name CHACO	License #	State/Province NEW MEXICO	Well Configuration Type Horizontal
Original KB Elevation (ft) 7,140.00	KB-Tubing Head Distance (ft)	Spud Date 7/23/2014 06:15	Rig Release Date 8/13/2014 07:00	PBTD (All) (ftKB) Original Hole - 12,257.0	Total Depth All (TVD) (ftKB) Original Hole - 5,410.5

Horizontal, Original Hole, 10/5/2020 12:49:09 PM		Item Des	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
MD (ftKB)	Vertical schematic (actual)	Liner Hanger		24.00	5,511.0	5,535.0
		Casing Joints	156	6,720.00	5,535.0	12,255.0
		RSI		2.00	12,255.0	12,257.0
		Landing Collar		1.75	12,257.0	12,258.8
		Casing Joints	2	86.00	12,258.8	12,344.8
		Float Shoe		1.25	12,344.8	12,346.0
Cement						
Description		Cementing Start Date		Cementing End Date		
Surface Cement		7/25/2014		7/25/2014		
Comment						
101 sx (163 cu ft) cmt						
Description		Cementing Start Date		Cementing End Date		
Intermediate Cement		8/24/2014		8/24/2014		
Comment						
740 sx (1034 cu ft) cmt						
Description		Cementing Start Date		Cementing End Date		
Production Cement		9/3/2014		9/3/2014		
Comment						
500 sx (714 cu ft) cmt						

4.9	Des:Polished Rod; OD:1 1/2 in; Length:26.00 ft; Btm MD:31.0 ftKB		Des:Tubing Hanger; OD:7 in; Length:0.80 ft; Btm MD:14.0 ftKB
13.1			
14.1	Des:Pony Rod; OD:7/8 in; Length:6.00 ft; Btm MD:37.0 ftKB		
30.8	Des:Pony Rod; OD:7/8 in; Length:8.00 ft; Btm MD:45.0 ftKB		
37.1	Des:Pony Rod; OD:7/8 in; Length:8.00 ft; Btm MD:53.0 ftKB		
44.9			
53.1			
315.0			
315.9	Des:Guided Rods (6 per rod); OD:7/8 in; Length:1,525.00 ft; Btm MD:1,578.0 ftKB		
343.2	Des:Guided Rods (6 per rod); OD:3/4 in; Length:3,500.00 ft; Btm MD:5,078.0 ftKB		
344.5			
347.1	Des:Guided Rods (6 per rod); OD:7/8 in; Length:300.00 ft; Btm MD:5,378.0 ftKB		
1,578.1			
5,078.1			
5,303.5	Des:Stabilizer Bars (1" x 4' w/3 guides per); OD:1 in; Length:8.00 ft; Btm MD:5,386.0 ftKB		Des:Anchor/catcher; OD:6.36 in; Length:4.78 ft; Btm MD:5,308.1 ftKB
5,308.1			
5,378.0	Des:Shear Tool (21K); OD:7/8 in; Length:0.50 ft; Btm MD:5,386.5 ftKB		
5,386.2			
5,386.5	Des:Rod Pump (BAS SN: CX - 626 - 2-1/2" x 1-1/4" x 18" RHBC) ; OD:2 1/2 in; Length:18.00 ft; Btm MD:5,404.5 ftKB		
5,403.5			Des:Pump Seating Nipple; OD:2 7/8 in; Length:1.12 ft; Btm MD:5,404.5 ftKB
5,404.5	Des:Dip Tube (1-1/2" x 15'); OD:1 1/2 in; Length:15.00 ft; Btm MD:5,419.5 ftKB		
5,419.6			
5,433.1			
5,436.4			
5,457.0			
5,488.2			
5,488.8			
5,511.2			
5,535.1			
5,547.9			
5,548.6			Des:Tubing - Production; OD:2 7/8 in; Length:5,535.49 ft; Btm MD:5,548.7 ftKB
5,830.4			
5,831.7			
5,874.0			
5,875.0			
6,749.0			
12,254.9			
12,256.9			Des:Plug Back Total Depth; Depth MD:12,257.0 ftKB; Date:8/12/2014
12,258.9			
12,344.8			
12,346.1			
12,348.1			

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 18721

CONDITIONS OF APPROVAL

Operator:			OGRID:	Action Number:	Action Type:
ENDURING RESOURCES, LLC			372286	18721	C-103R
1050 17TH STREET, SUITE 2500			DENVER, CO80265		
OCD Reviewer			Condition		
mkuehling			schematics should show well as horizontal not vertical		