

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM 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.*

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

|   |  |  |
|---|--|--|
| 1. Type of Well<br><input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other                  |  | 5. Lease Serial No.<br>NMSF078362                          |
| 2. Name of Operator<br>ENDURING RESOURCES LLC   |  | 6. If Indian, Allottee or Tribe Name                       |
| 3a. Address<br>1050 17TH STREET SUITE 2500<br>DENVER, CO 80265  |  | 7. If Unit or C/A/Agreement, Name and/or No.<br>NMNM132829 |
| 3b. Phone No. (include area code)<br>Ph: 505-636-9743   |  | 8. Well Name and No.<br>NE CHACO COM 198H                  |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)<br>Sec 8 T23N R6W SWNW 1440FNL 217FWL<br>36.242461 N Lat, 107.500634 W Lon |  | 9. API Well No.<br>30-039-31268-00-S1                      |
|   |  | 10. Field and Pool or Exploratory Area<br>CHACO UNIT NE HZ |
|   |  | 11. County or Parish, State<br>RIO ARriba COUNTY, NM       |

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

| TYPE OF SUBMISSION                                    | TYPE OF ACTION  |
|---|---|
| <input type="checkbox"/> Notice of Intent             | <input type="checkbox"/> Acidize                              |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Deepen                               |
| <input type="checkbox"/> Final Abandonment Notice     | <input type="checkbox"/> Hydraulic Fracturing                 |
|   | <input type="checkbox"/> Reclamation                          |
|   | <input type="checkbox"/> New Construction                     |
|   | <input type="checkbox"/> Recomplete                           |
|   | <input type="checkbox"/> Temporarily Abandon                  |
|   | <input type="checkbox"/> Water Shut-Off                       |
|   | <input type="checkbox"/> Well Integrity                       |
|   | <input checked="" type="checkbox"/> Other Workover Operations |
|   | <input type="checkbox"/> Plug and Abandon                     |
|   | <input type="checkbox"/> Plug Back                            |
|   | <input type="checkbox"/> 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 recompleting 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 recompleting 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.

**TUBING LENGTH CHANGE**

7/22/19 -MIRU

7/23/19 Start RIH

Land tubing @ 5951?. 3 jts, 2-7/8", L80, 6.5# & 175 jts, 2-7/8", J55, 6.5# & 4 jts, 2-3/8", L80, 4.7#.

7/24/19- RIH with Rods. 1 1/2 X 26' SPRAY METAL POLISHED ROD 41-7/8 2.5" 4 PER GUIDED RODS 28 -7/8 2.5" 4 PER GUIDED RODS 8- 7/8 2" 4 PER GUIDED RODS 4' X 7/8 PUMP STABILIZER 26K SHEAR TOOL=6" 2 X 1 1/4 X 9 X 10 X 14 RHBC-HT ROD PUMP 1" X 5' DIP TUBE/ STRAINER

NMOCD

AUG 16 2019

DISTRICT III

|  |                             |
|--|-----------------------------|
| 14. I hereby certify that the foregoing is true and correct.<br><b>Electronic Submission #476677 verified by the BLM Well Information System<br/>For ENDURING RESOURCES LLC, sent to the Farmington<br/>Committed to AFMSS for processing by JOHN HOFFMAN on 08/16/2019 (19JH0129SE)</b> |                             |
| Name (Printed/Typed) LACEY GRANILLO  | Title PERMITTING SPECIALIST |
| Signature (Electronic Submission)  | Date 08/05/2019             |

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

|   |  |                   |
|---|--|-------------------|
| Approved By <b>ACCEPTED</b>   | JOHN HOFFMAN<br>Title PETROLEUM ENGINEER | Date 08/16/2019   |
| 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 \*\***

NMOCD

**Additional data for EC transaction #476677 that would not fit on the form**

**32. Additional remarks, continued**

SPACED OUT AS DIRECTED BY BLACK ARROW SOLUTIONS.  
RDMO

ATTACHED WBD

# NE CHACO COM 198H

## API # 30-039-31268



### Location

SHL: 1440' FNL 217' FWL Sec: 8 Twnshp: 23N  
BHL: 133' FNL 503' FEL Sec: 12 Twnshp: 23N

Lat:  
Long:

Spud Date: 10/27/2014  
Completion: 3/4/2015  
Pool Name: CHACO UNIT NE HZ OIL  
ROD PUMP 5/15/2019  
Tbg change: 7/24/2019

### Wellbore updated 5/17/19 lg

| Tops            | MD        | TVD       |
|-----------------|-----------|-----------|
| Ojo Alamo:      | 1376' MD, | 1386' TVD |
| Kirtland:       | 1729' MD, | 1718' TVD |
| Picture Cliffs: | 1992' MD, | 1976' TVD |
| Lewis:          | 2078' MD, | 2060' TVD |
| Chacra:         | 2418' MD, | 2397' TVD |
| Cliff House:    | 3506' MD, | 3465' TVD |
| Menefee:        | 3527' MD, | 3591' TVD |
| Point Lookout:  | 4263' MD, | 4217' TVD |
| Mancos:         | 4495' MD, | 4448' TVD |
| Mancos Up:      | 4954' MD, | 4846' TVD |
| Gallup:         | 4901' MD, | 4854' TVD |

12  
1/4

8 3/4"  
Hole

RAN 13 jts. 9 5/8" 36# J-55 L/S LT&C csg, set @ 416', FC @ 380'  
Surface Casing - Hole Size: 12-1/4"

Run 142 jts 7", 23#, J-55, LT&C, 8RD csg, landed @ 6016', FC @ 5972'  
Intermediate Casing - Hole Size: 8-3/4"

Run 129 jts, 4-1/2" CSG Liner, 11.6#, P-110, LT&C. 8RD CSG set @ 11524', LC @ 11443', RSI tools @ 11433', marker jts @ 7142' & 9246', TOL @ 5858'  
Final Casing - Hole Size: 6-1/8"

| HOLE SIZE | CASING | CEMENT | VOLUME       | CMT TOP  |
|-----------|--------|--------|--------------|----------|
| 12-1/4"   | 9-5/8" | 245 sx | 222 cu.ft.   | Surface  |
| 8-3/4"    | 7"     | 987 sx | 1429 cu. ft. | TOC 568' |
| 6-1/8"    | 4-1/2" | 446 sx | 629 cu. ft.  | Surface  |

Land tubing @ 5951'. 3 jts, 2-7/8", L80, 6.5# & 175 jts, 2-7/8", J55, 6.5# & 4 jts, 2-3/8", L80, 4.7#.  
RIH with Rods. 1 1/2 X 26' SPRAY METAL POLISHED ROD  
41-7/8 2.5" 4 PER GUIDED RODS 159- 3/4 2.5" 4 PER GUIDED RODS 28 -7/8 2.5" 4 PER GUIDED RODS 8- 7/8 2" 4 PER GUIDED RODS 4' X 7/8 PUMP STABILIZER 26K  
SHEAR TOOL=6" 2 X 1 1/4 X 9 X 10 X 14 RHBC-HT ROD  
PUMP 1" X 5' DIP TUBE/ STRAINER SPACED OUT AS DIRECTED BY BLACK ARROW SOLUTIONS.

6 1/8"  
Hole

TOL @ 5858'

TD @ 11523'

PBTD @ 11443'

Frac & Perf 6097'-11370'

