

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JAN 29 2019

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.

5. Lease Serial No.
NMSF078362
6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	7. If Unit of CA/Agreement, Name and/or No. NMNM-132829
2. Name of Operator Enduring Resources IV LLC	8. Well Name and No. NE CHACO COM #239H
3a. Address 200 Energy Court Farmington NM 87401	9. API Well No. 30-039-31204
3b. Phone No. (include area code) 505-6369743	10. Field and Pool or Exploratory Area CHACO UNIT NE HZ OIL
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SHL: 1704' FSL & 517' FWL SEC 6 23N 6W BHL: 2586' FNL & 230' FWL SEC 1 23N 7W	11. Country or Parish, State RIO ARRIBA, 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 type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other <u>Tubing</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>depth change</u>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

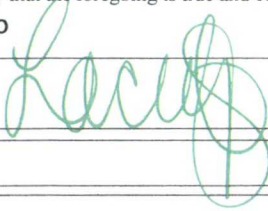
13. Describe Proposed or Completed Operation. Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths 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 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.)

12/27/18- MIRU.

TIH W/TBG. Land tubing @ 5831' w 184 jnts of 2-7/8", J-55, 6.5#

12/28/18- Tubing/Rod detail: PICK UP NEW PUMP AND PRIME WITH DIESEL, RIH WITH PUMP AND RODS. { ROD STRING RAN, 1 1/2" X 26' CENTER SPRAY POLISH ROD, 6' X 7/8" PONY, 17 X 7/8" SLICK, 50 X 7/8" GUIDED 4/PER, 149 X 3/4" GUIDED 4/PER, 9 X 3/4" GUIDED 5/PER, 21K SHEAR TOOL, 2 1/2" X 1 1/4" X 16' PUMP. } TAG/SPACE OUT AS DIRECTED BY BLACK ARROW SOLUTIONS, LOAD/TEST WITH RIG PUMP AND STROKING WITH RIG TO 450/PSI. AND HANG OFF. CHECK PUMP ACTION, EVERYTHING LOOKED GOOD. { NOTE, RODS WERE SPACED OUT AND WITNESSED BY BLACK ARROW SOLUTIONS, RAY GONZALEZ AND RON. } WATCHED WELL PUMP TO RIG PIT THEN TURNED DOWN SALESLINE, NOTIFIED PUMPER.

RDMO

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Lacey Granillo	Title Permit Specialist
Signature 	Date 1-28-19

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
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	

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.

NMOCD

FEB 08 2019
DISTRICT III

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NE CHACO COM #239H

API # 30-039-31204



Location

SHL: 1704' FSL 517' FWL Sec: 6 Twnshp: 23N Rge: 6W
BHL: 2586' FNL 230' FWL Sec: 1 Twnshp: 23N Rge: 7W

Lat: 36.25117
Long: -107.51743

Spud Date: 12/11/2013

Completion: 3/7/2014

Pool Name: CHACO UNIT NE HZ OIL

Run GLV: 6/3/2014

Rod 10/30/2018

Tbg length: 12/28/2018

wellbore update: 1/10/19LG

Tops	MD	TVD
Ojo Alamo	1463'	1448'
Kirtland	1788'	1763'
Pictured Cliffs	2078'	2044'
Lewis	2203'	2164'
Chacra	2541'	2492'
Cliff House	3653'	3568'
Menefee	3709'	3622'
Point Lookout	4440'	4333'
Mancos	4653'	4545'
Gallup	5076'	4967'

Land tubing @ 5831' w 184 jnts of 2-7/8", J-55, 6.5#
Tubing/Rod detail: PICK UP NEW PUMP AND PRIME WITH DIESEL, RIH WITH PUMP AND RODS, { ROD STRING RAN, 1 1/2" X 26' CENTER SPRAY POLISH ROD, 6' X 7/8" PONY, 17 X 7/8" SLICK, 50 X 7/8" GUIDED 4/PER, 149 X 3/4" GUIDED 4/PER, 9 X 3/4" GUIDED 5/PER, 21K SHEAR TOOL, 2 1/2" X 1 1/4" X 16' PUMP. } TAG/SPACE OUT AS DIRECTED BY BLACK ARROW SOLUTIONS, LOAD/TEST WITH RIG PUMP AND STROKING WITH RIG TO 450/PSI. AND HANG OFF. CHECK PUMP ACTION, EVERYTHING LOOKED GOOD. WATCHED WELL PUMP TO RIG PIT THEN TURNED DOWN SALESLINE, NOTIFIED PUMPER

Frac: 6236'-10443'

12 1/4"
Hole

8 3/4"
Hole

6 1/8"
Hole

Surface: TD 12-1/4" SURF HOLE @ 412', 0945 HRS.
RAN 13 JTS, 9-5/8", LT&C, 36#, J-55, CSG SET @ 407', FC @ 374'
Pump 10 bbls gel water, 10 bbls FW spacer, & 50.2 bbls Type G cmt (245 sxs) @ 15.8 PPG. Drop plug & disp w/ 28.9 bbls H2O. Bump plug @ 250 psi. Circ 25 bbls good cmt to surface.

Intermediate: TD 8-3/4" intermediate hole @ 6180' (TVD 5624'), 0630 hrs. Run 152 jts 7", 23#, J-55, LT&C csg.
Landed @ 6178, FC @ 6134' Test cmt lines @ 5130# w/ h2o & 7000# w/ N2. Start cmt job w/ 10 bbl FW ahead, 40 bbl chem wash, 10 bbl fw, Lead foamed cmt as follows, 575 sks, 828 cu ft, 147 bbls, 50/50 poz premium, 0.2% veraset, 0.15% halad 766, 1.5% chem-foamer 760. Tail cmt 100 sks, 129 cu ft, 23 bbls, 50/50 poz premium, 0.2% veraset, 0.15% halad 766. Drop top plug & displace 7" csg w/ 241 bbls drlg mud @ 8.9 ppg, P.D. @ 13:38 hrs 01/24/2014. Bump plug to 1267#. Circ out 20 bbls foamed cmt to surface. Pump cap cmt, 100 sks, 117 cu ft, 21 bbls, Primary cmt, w/ 2% cacl.

Prod Liner: TD 6-1/8" lateral @ 10642' (TVD 5523'), 2030 hrs
Run 123 jts 4-1/2", 11.6#, N-80, LT&C csg set @ 10,618' (5524' TVD), LC @ 10,539', 2 RSI tools 10,519'-10,526', marker jts @ 7517' & 9057', TOL @ 5977'
Test cmt lines @ 8500# [OK] Start job 10 bbl fw, 40 bbl tuned spacer 10 bbl fw ahead. 40 sks, 58.4 cu ft, 10.4 bbl premium cmt w/ 0.1% halad 766 [yld=1.46 wt=13 ppg] Lead foamed cmt 220 sks, 321 cu ft, 57 bbl 50/50 poz standard, 0.2% veraset, 0.2% halad-766, 1.5% chemfoamer, [yld=1.46 wt=13 ppg] Tail cmt, 100 sks, 130 cu ft, 23 bbls, 50/50 poz premium, 0.2% veraset, 0.05% halad-766, 0.05% sa-1015. [yld=1.3 wt=13.5 ppg] Drop dart displace w/ 130 bbl 2% kcl, late press=490# bump plug @ 1486#, Drop ball & Rupture disk @ 6427#, Reliese from liner hanger & circ out 15 bbls cmt to pit circ 1 1/2 times annular volume to pit. shut in well & test versaflex liner top @ 1500# f/ 30 min [OK] Run 159 jts 4-1/2", 11.6#, N-80, LT&C csg Marker jt @ 4892', W/ no-go on bottom ; & sting seals into 4.5" X 7" VERSAFLEX liner hanger. RU MIT UNIT & TEST CASING AND PBR SEALS @ 1500# F/ 30 MIN [GOOD TEST]

TD @ 10642'

PBTD @ 10539.