

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NOV 06 2018

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  
 Oil Well     Gas Well     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 #168H**

3a. Address  
200 Energy Ct Farmington NM 87401

3b. Phone No. (include area code)  
505-636-9743

9. API Well No.  
30-039-31173

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
SHL: 1492' FNL & 303' FWL SEC 12 23N 7W  
BHL: 563' FSL & 379' FWL SEC 11 23N 7W

10. Field and Pool or Exploratory Area  
CHACO UNIT NE HZ OIL

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
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<b>AMENDED</b>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	<u>Convert from</u> <u>GLV to Rod</u> <u>Pump</u>

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 perfonned 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 detennined that the site is ready for final inspection.)

NMOC

NOV 14 2018

DISTRICT III

ACCEPTED TUBE 2" X 1/4" X 12' X 14' RHBC W/ MAX

NOV 16 2018

FARMINGTON FIELD OFFICE  
By: 

**10/10/18- MIRU. Pull tubing, gas lift and packer.**

**10/11/18-10/15/18- Cont. TIH**

**10/16/18- TIH W/TBG. Land tubing @ 5455' w 175 jnts of 2-3/8", J-55, 4.7#**

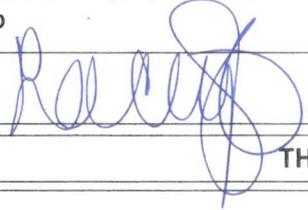
Tubing/Rod detail: HPJSM. TP/0 CP/0 BH/0/PSI. OPEN TO TANK, NIPPLE DOWN BOP SET TAC W/ 12K TENSION, LANDED WELL NIPPLE UP B-2 WELL HEAD FLANGE, RATIGAN AND FLOW TEE. RIGGED UP ROD HANDELLING EQUIPMENT AND ROD TABLE RIHW 1-25' X 1" DIP TUBE 2" X 1/4" X 12' X 14' RHBC W/ MAX STROKE OF 100" 24-7/8 X 4 PER 2" GUIDED RODS 27-3/4 X 4 PER 2" GUIDED RODS 29-3/4 X 6 PER 2" GUIDED RODS 87-3/4 X 4 PER 2" GUIDED RODS 29-3/4 X 6 PER 2" GUIDED RODS 17-3/4 SLICK RODS 3-8' 3/4 PONY RODS 1 1/4 X 26' CENTER SPRAY POLISHED ROD SPACED OUT PER BLACK ARROWS RECOMMENDATIONS. LOADED TUBING PRESSURE TESTED TO 500# PRESSURE HELD GOOD TEST. STROKED ROD PUMP WITH THE RIG PRESSURED UP TO 300# GOOD PUMP ACTION. RIGGED DOWN

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Lacey Granillo

Title Permit Specialist

Signature



Date 11/6/18

**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.

NMOC



# Chaco 2307-12E #168H LYBROOK GALLUP Horizontal

(page 1)

Spud: 5/9/13

Completed: 7/30/13

Install gas lift: 4/16/14

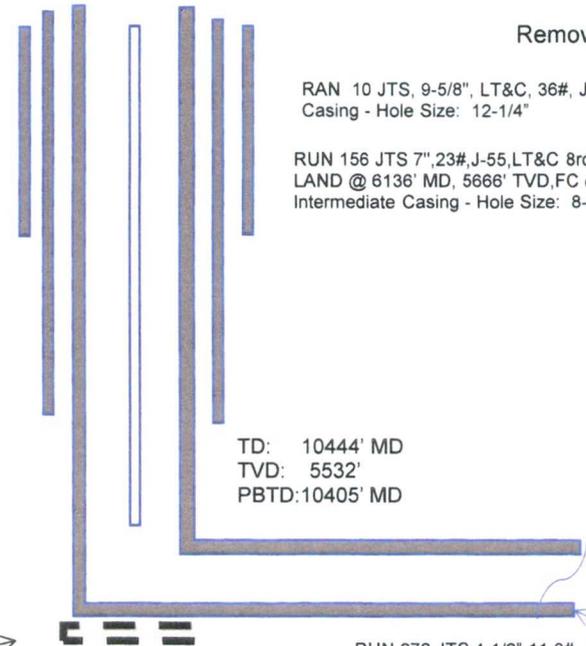
Remove GLV install Rod Pump: 10/16/18

**Surface Location:** 1492' FNL & 303' FWL  
SW/4 NW/4 Section 12 (E), T23N, R7W

**BHL:** 563' FNL & 379' FWL  
NE/4 NE/4 Section 11 (D), T23N, R 7W

**RIO ARRIBA Co., NM**  
**Elevation:** 7036' GR  
**API:** 30-039-31173

Tops	MD	TVD
Ojo Alamo	1461'	1455'
Kirtland	1597'	1587'
Pictured Cliffs	2082'	2054'
Lewis	2200'	2167'
Chacra	2560'	2514'
Cliff House	3662'	3576'
Menefee	3717'	3629'
<b>Point Lookout</b>	<b>4465'</b>	<b>4354'</b>
<b>Mancos</b>	<b>4683'</b>	<b>4569'</b>
<b>Gallup</b>	<b>5096'</b>	<b>4981'</b>



RAN 10 JTS, 9-5/8", LT&C, 36#, J-55, CSG SET @ 442'. FC @ 398'  
Casing - Hole Size: 12-1/4"

RUN 156 JTS 7", 23#, J-55, LT&C 8rd, CASING.  
LAND @ 6136' MD, 5666' TVD, FC @ 6095 MD  
Intermediate Casing - Hole Size: 8-3/4"

TD: 10444' MD  
TVD: 5532'  
PBD: 10405' MD

Tubing/Rod detail: HPJSM, TP/0 CP/0 BH/0/PSI.  
OPEN TO TANK, NIPPLE DOWN BOP SET TAC  
W/ 12K TENSION, LANDED WELL NIPPLE UP B-2  
WELL HEAD FLANGE, RATIGAN AND FLOW  
TEE. RIGGED UP ROD HANDELLING  
EQUIPMENT AND ROD TABLE RIHW 1-25' X 1'  
DIP TUBE 2" X 1 1/4" X 12" X 14' RHBC W/ MAX  
STROKE OF 100" 24-7/8 X 4 PER 2" GUIDED  
RODS 27-3/4 X 4 PER 2" GUIDED RODS 29-3/4 X  
6 PER 2" GUIDED RODS 87-3/4 X 4 PER 2"  
GUIDED RODS  
29-3/4 X 6 PER 2" GUIDED RODS 17-3/4 SLICK  
RODS 3-8' 3/4 PONY RODS 1 1/4 X 26' CENTER  
SPRAY POLISHED ROD SPACED OUT PER  
BLACK ARROWS RECOMMENDATIONS.  
LOADED TUBING PRESSURE TESTED TO 500#  
PRESSURE HELD GOOD TEST. STROKED ROD  
PUMP WITH THE RIG PRESSURED UP TO 300#

8-3/4" pilot hole TD @  
6175' drilled for logs,  
Plugged back to 3577'.

RUN 272 JTS 4-1/2" 11.6#, N-80, 8RD  
LT&C CASING. SET @ 10433' MD  
(5532' TVD), MARKER JTS @ 9096',  
7561' AND 5102 MD. FC SET @ 10405'  
Production Casing - Hole Size: 6-1/8"

HOLE SIZE	CASING	CEMENT	VOLUME	CMT TOP
12-1/4"	9-5/8"	225 sx	298cu.ft.	Surface
8-3/4"	7"	1035 sx	1440 cu. ft.	Surface
6-1/8"	4-1/2"	420 sx	571cu. ft.	3750' TOC