

Submit 1 Copy To Appropriate District Office  
District I - (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II - (575) 748-1283  
811 S. First St., Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV - (505) 476-3460  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised July 18, 2013

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

<b>WELL API NO.</b> 30-045-35563
<b>5. Indicate Type of Lease</b> STATE <input type="checkbox"/> FEE <input type="checkbox"/>
<b>6. State Oil &amp; Gas Lease No.</b>  NMNM 109397
<b>7. Lease Name or Unit Agreement Name</b> Chaco 2308 11A
<b>8. Well Number</b> 408H
<b>9. OGRID Number</b> 372286
<b>10. Pool name or Wildcat</b> Basin Mancos

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator  
ENDURING RESOURCES IV LLC

3. Address of Operator  
200 Energy Court Farmington NM 87401

4. Well Location  
Unit Letter A : 386' feet from the N line and 1062' feet from the E line  
Section 11 Township 23N Range 8W NMPM County SAN JUAN

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

**NOTICE OF INTENTION TO:**

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐  
CLOSED-LOOP SYSTEM ☐  
OTHER: ☐

**SUBSEQUENT REPORT OF:**

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐  
OTHER: **INTER-WELL COMMUNICATION** ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Logos conducted stimulation activity on the following wells:

Federal 2307 7P Com #1H (API 30-039-31366)  
Federal 2307 7P Com #2H (API 30-039-31367)  
Federal 2307 7P Com #3H (API 30-039-31368)

NMOC

JAN 11 2019

DISTRICT III

Attached: spreadsheet with affected wells due to stimulation activity and gas sample.

Spud Date:

Rig Release Date:

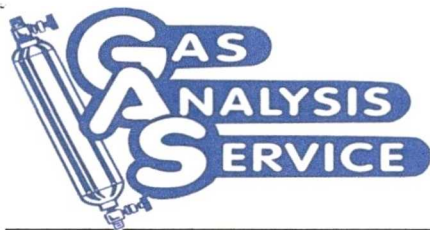
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE [Signature] TITLE Permit Specialist DATE 1/10/19

Type or print name Lacey Granillo E-mail address: lgranillo@enduringresources.com PHONE: 505-636-9743

**For State Use Only**

APPROVED BY: [Signature] TITLE Deputy Oil & Gas Inspector, DATE 1/17/19  
Conditions of Approval (if any): District #3



2030 Afton Place  
Farmington, NM 87401  
(505) 325-6622

Analysis No: N2190002  
Cust No: 25250

### Well/Lease Information

## ENDURING

Well Name: Chaco 408H Pad Meter  
County/State: NEW MEXICO  
Location:  
Formation:  
Meter Number:  
Foreman: BRYAN LOVATO

Source: Meter Run  
Well Flowing: Yes  
Pressure: 48  
Flow Temp: N/A  
Ambient Temp: 17 F  
Sample Method: Purge & Fill  
Date Sampled: 1/8/2019  
Time Sampled: 9:00 AM  
Sampled By:(Co.) ABC  
Sampled By: CELIA L.

GPA Standard: GPA 2261-14

GC: SRI Instruments 8610 Last Cal/Verify: 1/8/2019

Remarks:

### Analysis

Component:	Mole%:	Un-normalized Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	20.347	20.391	2.2459	0.00	0.1968
Methane	55.660	55.781	9.4671	562.17	0.3083
CO <sub>2</sub> , C <sub>2</sub> -C <sub>6</sub> +	23.993	24.045	6.8217	555.67	0.3511
Total	100.000	100.217	18.5348	1117.84	0.8562

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

\*\*@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	0.9965	CYLINDER #:	6082
BTU/CU.FT IDEAL:	1120.4	CYLINDER PRESSURE:	43
BTU/CU.FT (DRY REAL) CORRECTED FOR (1/Z):	1124.4	ANALYSIS DATE:	1/8/2019
BTU/CU.FT (WET REAL) CORRECTED FOR (1/Z):	1104.7	ANALYZED BY:	Cameron Mangan
REAL SPECIFIC GRAVITY:	0.8589		

GPM, BTU, and SPG calculations as shown  
above are based on current GPA factors.

AFFECTED WELL NAME	API	AFFECTED DATE	TYPE OF COMMUNICATION	COMMUNICATION VOLUME	HIGHEST PRESSURE OBSERVED	STANDARD OPERATING PRESSURE	RESULTS OF COMMUNICATION	RESULTS OF INVESTIGATION CONDUCTED
CHACO 2308 11A #407H	30-045-35564	11/30/2018	Nitrogen content	53% N2	240 Psi Tubing	50 PSI Tubing	NA Moved compression to propane fuel.	NA
CHACO 2308 11A #408H	30-045-35563	11/30/2018	Nitrogen content	21% N2	500 Psi Tubing	62 Psi Tubing	NA Moved compression to propane fuel.	NA