

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

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 <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		WELL API NO. 30-045-35563
2. Name of Operator ENDURING RESOURCES IV LLC		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
3. Address of Operator 200 Energy Court Farmington NM 87401		6. State Oil & Gas Lease No. NMNM 109397
4. Well Location Unit Letter <u>A</u> : <u>386'</u> feet from the <u>N</u> line and <u>1062'</u> feet from the <u>E</u> line Section <u>11</u> Township <u>23N</u> Range <u>8W</u> NMPM County <u>SAN JUAN</u>		7. Lease Name or Unit Agreement Name Chaco 2308 11A
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		8. Well Number 408H
		9. OGRID Number 372286
		10. Pool name or Wildcat Basin Mancos

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

NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> DOWNHOLE COMMINGLE <input type="checkbox"/> CLOSED-LOOP SYSTEM <input type="checkbox"/> OTHER: <input type="checkbox"/>		SUBSEQUENT REPORT OF: REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/> OTHER: INTER-WELL COMMUNICATION <input type="checkbox"/>	
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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.

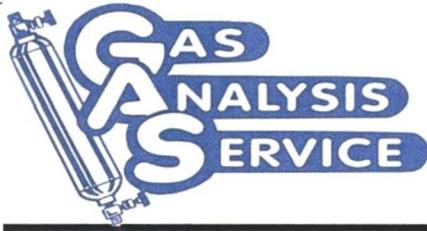
SIGNATURE [Signature] TITLE Permit Specialist DATE 1/10/19

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, District #3 DATE 1/17/19

Conditions of Approval (if any):



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 ₂ , C ₂ -C ₆ +	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