

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

WELL API NO. 30-045-35439
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. VO9208
7. Lease Name or Unit Agreement Name
8. Well Number CHACO 2308-16I #147H
9. OGRID Number 372286
10. Pool name or Wildcat Nageezi Gallup/ Basin MC
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6858'

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
332 Rd 3100 Aztec NM 87410 505-636-9743

4. Well Location

Unit Letter I: 1491' feet from the SOUTH line and 248' feet from the EAST line

Section 16 Township 23N Range 8W NMPM SAN JUAN County

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: **FLARED-GAS SAMPLE** ☒

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.

This well flared during the stimulation activity on the following wells and is back on production.

Heros 2308 09L Com 2H (30-045-35687), 3H (30-045-35848), 4H (30-045-35847), 5H (30-045-35877) & Athena 2308 14L #3H (30-045-35876).

Flared: 7/18/18-8/21/18

Total Flared Volumes: 385.8 mcf

Attached Gas Sample

Spud Date: 2/3/14

Rig Release Date: 5/1/14

NMOCd

AUG 23 2018

DISTRICT III

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

SIGNATURE Lacey Granillo TITLE Permitting Specialist DATE 8/23/18

Type or print name LACEY GRANILLO E-mail address: lgranillo@enduringresources.com PHONE: 636-9743

For State Use Only

APPROVED BY: Charles TITLE SUPERVISOR DISTRICT #3 DATE 8/27/18
Conditions of Approval (if any): AV

Diablo Analytical BTU Report

GPA 2145-03 Analysis

Sample Information

Sample Information	
Sample Name	Chaco 147
Station Number	
Taken By	Alpine Analysis LLC
Operator	Travis Tapp
Method Name	StandardNatGas.met
Injection Date	2018-08-20 13:55:34
Report Date	2018-08-20 13:59:25
EZReporter Configuration File	default Standard Sample.cfgx
Source Data File	2018-08-20 13-54-57 (GMT -06-00)Chaco 147.dat
EZReporter Data File	Chaco 147-20180820-135925.ezrx
Data Source	Agilent EZChrom Connector

Component Results

Component Name	Ret. Time	Peak Area	Norm%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	0.321	27364668.0	41.62006	0.0	0.40255	4.589
Methane	0.330	17453549.0	38.55411	390.3	0.21355	6.550
Carbon Dioxide	0.379	239733.0	0.36853	0.0	0.00560	0.063
Ethane	0.420	4742211.0	6.91365	122.6	0.07178	1.853
Hydrogen Sulfide	0.601	0.0	0.00000	0.0	0.00000	0.000
Propane	0.526	14517905.0	7.75857	195.7	0.11812	2.142
i-Butane	0.576	2015670.0	0.92511	30.2	0.01857	0.303
n-Butane	0.608	5236887.0	2.35624	77.0	0.04729	0.744
i-Pentane	0.714	1382456.0	0.55930	22.4	0.01393	0.205
n-Pentane	0.757	1396824.0	0.54302	21.8	0.01353	0.197
Hexanes Plus	0.000	1258328.0	0.40141	0.0	0.00000	0.000
Water	0.000	0.0	0.00000	0.0	0.00000	0.000
Total:			100.00000	860.0	0.90491	16.648

Results Summary

Result	Dry	Sat. (Base)
Total Raw Mole% (Dry)	92.15100	
Pressure Base (psia)	14.730	
Temperature Base	60.0	
Water Mole%	-	1.74067
Gross Heating Value (BTU / Ideal cu.ft.)	860.0	845.1
Gross Heating Value (BTU / Real cu.ft.)	862.2	847.4
Relative Density (G), Real	0.9067	0.9021
Compressibility (Z) Factor	0.9976	0.9972
Total GPM	16.648	16.464