

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED  
OMB No. 1004-0137  
Expires: January 31, 2018

AUG 23 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.

**NO-G-1403-1908**

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

7. If Unit of CA/Agreement, Name and/or No.  
**NMNM 135216A**

1. Type of Well

Oil Well     Gas Well     Other

8. Well Name and No.

**W Lybrook Unit #713H**

2. Name of Operator

**Enduring Resources IV, LLC**

9. API Well No.

**30-045-35808**

3a. Address

**332 Cr 3100    Aztec, NM 87410**

3b. Phone No. (include area code)

**505-636-9743**

10. Field and Pool or Exploratory Area

**Lybrook Mancos W**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**SHL: 1215' FSL & 1386' FWL, Sec 8, T23N, R8W**

**BHL: 1059' FSL & 2379' FEL, Sec 6 T23N, R8W**

11. Country or Parish, State

**San Juan, 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 ShutOff
<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 <b>Flared</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<b>with Gas</b>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	<b>Sample</b>

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 recomplete 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.)

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

**ACCEPTED FOR RECORD**

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: 8/2/18-8/8/18

Total Flared Volumes: 45.22 mcf

Attached Gas Sample

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

**Lacey Granillo**

Title Permit Specialist

Signature

Date 8/23/18

**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.

NMOCD

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# Diablo Analytical BTU Report

## GPA 2145-03 Analysis

### Sample Information

Sample Information	
Sample Name	WLU 713
Station Number	
Taken By	Alpine Analysis LLC
Operator	Travis Tapp
Method Name	StandardNatGas.met
Injection Date	2018-07-12 10:12:59
Report Date	2018-07-12 10:16:50
EZReporter Configuration File	default Standard Sample.cfgx
Source Data File	2018-07-12 10-12-43 (GMT -06-00)WLU 713.dat
EZReporter Data File	WLU 713-20180712-101650.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	36543495.0	57.47750	0.0	0.55592	6.332
Methane	0.331	12539288.0	28.64408	290.0	0.15866	4.863
Carbon Dioxide	0.380	171910.0	0.27326	0.0	0.00415	0.047
Ethane	0.425	2666606.0	4.02033	71.3	0.04174	1.077
Hydrogen Sulfide	0.601	0.0	0.00000	0.0	0.00000	0.000
Propane	0.529	9936089.0	5.49122	138.5	0.08360	1.515
i-Butane	0.578	1670474.0	0.79284	25.8	0.01591	0.260
n-Butane	0.610	4279529.0	1.99126	65.1	0.03996	0.629
i-Pentane	0.716	1156262.0	0.48367	19.4	0.01205	0.177
n-Pentane	0.759	1102064.0	0.44305	17.8	0.01104	0.161
Hexanes Plus	0.000	1160666.0	0.38279	0.0	0.00000	0.000
Water	0.000	0.0	0.00000	0.0	0.00000	0.000
<b>Total:</b>			100.00000	627.9	0.92303	15.060

### Results Summary

Result	Dry	Sat. (Base)
Total Raw Mole% (Dry)	89.10950	
Pressure Base (psia)	14.730	
Temperature Base	60.0	
Water Mole%	-	1.74067
Gross Heating Value (BTU / Ideal cu.ft.)	627.9	617.0
Gross Heating Value (BTU / Real cu.ft.)	629.0	618.2
Relative Density (G), Real	0.9242	0.9192
Compressibility (Z) Factor	0.9983	0.9980
Total GPM	15.060	14.902