Form 3160-5 (June 2015)

#### **UNITED STATES** DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Serial No.

NO-G-1310-1841
6. If Indian, Allottee or Tribe Name

	his form for proposals rell. Use Form 3160-3 (A				
SUBMI	T IN TRIPLICATE - Other instr	7. If Unit of CA/A	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 #709H			
2. Name of Operator WPX Energy Production	, LLC			9. API Well No. 30-045-3574	
3a. Address PO Box 640 Aztec,	NM 87410	3b. Phone No. (ii 505-333-1816	nclude area code)	10. Field and Pool Lybrook Mar	l or Exploratory Area ncos W
4. Location of Well (Footage, Sec SHL: 836' FSL & 461' FEL, Sec 1 BHL: 336' FNL & 964' FEL. Sec	2, T23N, R9W			11. Country or Pa San Juan, NM	rish, State
12.	CHECK THE APPROPRIATE B	OX(ES) TO INDI	CATE NATURE C	OF NOTICE, REPORT OR (	OTHER DATA
TYPE OF SUBMISSION			TYPE	OF ACTION	
□Notice of Intent	Acidize	Deepen		☐ Production (Start/Resume)	■ Water ShutOff
	☐ Alter Casing	☐ Hydraulic F	Fracturing	Reclamation	☐ Well Integrity
☑ Subsequent Report	Casing Repair	☐ New Cons	struction	Recomplete	Other
Final Abandonment Notice	☐ Change Plans ☐ Plug and		Abandon	☐ Temporarily Abandon	Flared/Gas
	☐Convert to Injection ☐Plug Ba			☐ Water Disposal	<u>Sample</u>
the Bond under which the wor completion of the involved op	k will be perfonned or provide the erations. If the operation results in	e Bond No. on file n a multiple comp all requirements,	with BLM/BIA. I letion or recomple	Required subsequent reports tion in a new interval, a For tion, have been completed a	as of all pertinent markers and zones. Attach a must be filed within 30 days following m 3160-4 must be filed once testing has been und the operator has detennined that the site
MANAGE LALL					RECEIVED
WPX flared this w Flared: 1/24/18-1, Volumes: 415.35	ell due to the frac activit /25/18		EB 0 9 201		FEB 0 7 2013
Gas sample attack	ned.	FARMING	GTON HELD	OFFICE	
		By:	1//		Farmington Field Office Bureau of Land Management
14. I hereby certify that the foregoi	ng is true and correct. Name (Prin	ited/Typed)			Bulleau of Land Management
Lacey Granillo	. 0	Т	Title Permit Tech	ш	
Signature	Cle (	I	Date 2/8/18		
	THE SPACE	FOR FEDE	RAL OR STA	TE OFICE USE	
Approved by	-				
			Title		Date
Conditions of approval, if any, are					

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.

which would entitle the applicant to conduct operations thereon.







# Diablo Analytical BTU Report GPA 2145-03 Analysis

## Sample Information

	Sample Information			
Sample Name	WLU 709			
Station Number	BAD REPRESENTATION			
Taken By	Alpine Analysis LLC			
Operator	Travis Tapp			
Method Name	StandardNatGas.met			
Injection Date	2018-01-24 16:41:06			
Report Date	2018-01-24 16:45:13			
EZReporter Configuration File	default Standard Sample.cfgx			
Source Data File	2018-01-24 16-40-50 (GMT -07-00)WLU 709.dat			
EZReporter Data File	WLU 709-20180124-164513.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	0.322	13361946.0	18.93768	0.0	0.18317	2.110
Methane	0.331	7088968.0	14.59197	147.7	0.08082	2.505
Carbon Dioxide	0.380	254464.0	0.36454	0.0	0.00554	0.063
Ethane	0.419	3423398.0	4.65079	82.5	0.04828	1.259
Hydrogen Sulfide	0.601	0.0	0.00000	0.0	0.00000	0.000
Propane	0.517	31224792.0	15.54969	392.2	0.23674	4.338
-Butane	0.567	11033215.0	4.71875	153.8	0.09470	1.564
n-Butane	0.590	45574760.0	19.10837	624.8	0.38347	6.100
-Pentane	0.699	19730592.0	7.43771	298.3	0.18528	2.754
n-Pentane	0.741	22403835.0	8.11613	326.1	0.20218	2.979
Hexanes Plus	0.000	21951052.0	6.52437	0.0	0.00000	0.000
Water	0.000	0.0	0.00000	0.0	0.00000	0.000
Total:			100.00000	2025.4	1.42018	23.672

## **Results Summary**

Result	Dry	Sat. (Base)	
Total Raw Mole% (Dry)	98.89070		
Pressure Base (psia)	14.730		
Temperature Base	60.0		
Water Mole%	-	1.74067	
Gross Heating Value (BTU / Ideal cu.ft.)	2025.4	1990.1	
Gross Heating Value (BTU / Real cu.ft.)	2051.4	2016.8	
Relative Density (G), Real	1.4378	1.4246	
Compressibility (Z) Factor	0.9873	0.9868	
Total GPM	23.672	23.374	