Form 3160-5 (June 2015)

# **UNITED STATES** DEPARTMENT OF THE INTERIOR

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

В	UKEAU OF LAND MAN.	AGEMENT		5. Ecase Serial No.	44
SUNDR	Y NOTICES AND REPO	ORTS ON WEL	LS	NO-G-1403-19 6. If Indian, Allottee	
Do not use th	is form for proposals t II. Use Form 3160-3 (A	o drill or to re	e-enter an	o. II mulai, Anottee	of The Pane
SUBMIT	IN TRIPLICATE - Other instru	octions on page 2		7. If Unit of CA/Ag	reement, Name and/or No.
1. Type of Well				INIVIINIVI 13321	0A
	Gas Well Other			8. Well Name and N W Lybrook Un	
2. Name of Operator WPX Energy Production,	LLC			9. API Well No. <b>30-045-35743</b>	
3a. Address PO Box 640 Aztec, N	M 87410	3b. Phone No. (inc.) 505-333-1816	lude area code)	10. Field and Pool of Lybrook Manc	r Exploratory Area OS W
4. Location of Well (Footage, Sec., SHL: 844' FSL & 442' FEL, Sec 1 BHL: 356'FSL & 131' FWL, Sec	2, T23N, R9W			11. Country or Paris San Juan, NM	h, State
12. 0	CHECK THE APPROPRIATE BO	OX(ES) TO INDICA	ATE NATURE O	F NOTICE, REPORT OR OT	THER DATA
TYPE OF SUBMISSION			TYPE (	OF ACTION	
□Notice of Intent	Acidize	Deepen	□Production (Start/Resume		☐Water ShutOff
	☐Alter Casing	☐ Hydraulic Fra	cturing	Reclamation	■Well Integrity
☑ Subsequent Report	Casing Repair	☐ New Constru	ection	Recomplete	Other
☐Final Abandonment Notice	☐ Change Plans	☐ Plug and Aba	andon	☐ Temporarily Abandon	Flared/Gas
Li Final Adandonment Nonce	Convert to Injection	☐Plug Back		☐ Water Disposal	Sample
the Bond under which the work completion of the involved open	will be perfonned or provide the rations. If the operation results in	Bond No. on file was a multiple complet	rith BLM/BIA. R ion or recomplet	tequired subsequent reports maion in a new interval, a Form	of all pertinent markers and zones. Attach nust be filed within 30 days following 3160-4 must be filed once testing has been I the operator has determined that the site
WPX flared this we	I due to the fracactivity	on W Lybrook	Unit #705H/74	45H/746H.	DEACHVED
11a1ca. 1/10/10 1/2	24/18	TED TOK	RECURD		RECEIVED
Volumes: 6651.56 Gas sample attache	ed.	FEB 09 20	18		FEB 0 7 2013
	FARMII By:	NGTON FIELD	OFFICE		Farmington Field Office Bureau of Land Management
14. I hereby certify that the foregoing	g is true and correct. Name (Prin	ted/Typed)			
Lacey Granillo		Tit	le Permit Tech I	II	
Signature		Dat	te 2/8/18		
	THE SPACE	FOR FEDERA	AL OR STAT	TE OFICE USE	
Approved by					
argo and a second			Title		Date
Conditions of approval, if any, are a	tached Approval of this notice of	loes not warrant or	11111		12
certify that the applicant holds legal which would entitle the applicant to	or equitable title to those rights i		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.







# Diablo Analytical BTU Report GPA 2145-03 Analysis

#### Sample Information

	Sample Information	
Sample Name	WLU 748	
Station Number		
Taken By	Alpine Analysis LLC	
Operator	Travis Tapp	
Method Name	StandardNatGas.met	
Injection Date	2018-01-24 15:07:53	
Report Date	2018-01-24 15:11:52	
EZReporter Configuration File	default Standard Sample.cfgx	
Source Data File	2018-01-24 15-07-27 (GMT -07-00)WLU 748.dat	
EZReporter Data File	WLU 748-20180124-151152.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	0.320	32479063.0	50.26547	0.0	0.48617	5.540
Methane	0.330	14834928.0	33.34467	337.6	0.18470	5.663
Carbon Dioxide	0.380	272060.0	0.42556	0.0	0.00647	0.073
Ethane	0.425	3035446.0	4.50299	79.9	0.04675	1.206
Hydrogen Sulfide	0.601	0.0	0.00000	0.0	0.00000	0.000
Propane	0.527	11238131.0	6.11117	154.1	0.09304	1.687
i-Butane	0.576	2067972.0	0.96575	31.5	0.01938	0.317
n-Butane	0.608	5614441.0	2.57050	84.1	0.05158	0.812
i-Pentane	0.713	1532111.0	0.63062	25.3	0.01571	0.231
n-Pentane	0.756	1506302.0	0.59583	23.9	0.01484	0.216
Hexanes Plus	0.000	1810096.0	0.58744	0.0	0.00000	0.000
Water	0.000	0.0	0.00000	0.0	0.00000	0.000
Total:			100.00000	736.3	0.91864	15.744

## **Results Summary**

Result	Dry	Sat. (Base)	
Total Raw Mole% (Dry)	90.56200		
Pressure Base (psia)	14.730		
Temperature Base	60.0		
Water Mole%	_	1.74067	
Gross Heating Value (BTU / Ideal cu.ft.)	736.3	723.5	
Gross Heating Value (BTU / Real cu.ft.)	737.8	725.2	
Relative Density (G), Real	0.9201	0.9152	
Compressibility (Z) Factor	0.9980	0.9976	
Total GPM	15.744	15.575	