



2030 Afton Place
Farmington, NM 87401
(505) 325-6622

Analysis No: WP170079
Cust No: 85500-12845

Well/Lease Information

Customer Name: WPX ENERGY PRODUCTION, LLC
Well Name: COX CANYON #1B; INT
County/State: SAN JUAN NM
Location:
Field:
Formation: MESA VERDE
Cust. Str. No.:

Source: INTERMEDIATE
Pressure: PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 05/24/2017
Sampled By: RICK CONAWAY
Foreman/Engr.: DARREN ROWLEY

API: 3004530791

Remarks: PRESSURED WITH HELIUM TO 30LBS. SAMPLE RAN ON 05/24/2017

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	3.405	0.3760	0.00	0.0329
CO2	0.007	0.0010	0.00	0.0001
Methane	78.785	13.4060	795.73	0.4364
Ethane	4.896	1.3140	86.64	0.0508
Propane	6.692	1.8510	168.38	0.1019
Iso-Butane	1.631	0.5360	53.04	0.0327
N-Butane	1.804	0.5710	58.85	0.0362
I-Pentane	0.626	0.2300	25.05	0.0156
N-Pentane	0.492	0.1790	19.72	0.0123
Hexane Plus	1.662	0.7440	87.61	0.0550
Total	100.000	19.2080	1295.01	0.7739

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.004
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1303.2
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1280.5
REAL SPECIFIC GRAVITY: 0.7767

GPM, BTU, and SPG calculations as shown
above are based on current GPA factors.

DRY BTU @ 14.650: 1296.1
DRY BTU @ 14.696: 1300.2
DRY BTU @ 14.730: 1303.2
DRY BTU @ 15.025: 1329.3

CYLINDER #: 4109
CYLINDER PRESSURE: 0 PSIG
DATE RUN: 5/24/17 12:00 AM
ANALYSIS RUN BY: ALEX VALDEZ

2



WPX ENERGY PRODUCTION, LLC

WELL ANALYSIS COMPARISON

API : 3004530791

Lease: COX CANYON #1B; INT

Stn. No.:

INTERMEDIATE

MESA VERDE

05/24/2017

85500-12845

Smpl Date:	05/24/2017	05/21/2017	05/12/2017	04/25/2017
Test Date:	05/24/2017	05/21/2017	05/12/2017	04/25/2017
Run No:	WP170079	WP170067	WP170056	WP170049
Nitrogen:	3.405	0.948	0.183	1.336
CO2:	0.007	0.008	0.084	0.034
Methane:	78.785	72.175	87.949	79.718
Ethane:	4.896	6.737	4.664	5.157
Propane:	6.692	11.345	4.606	6.838
I-Butane:	1.631	2.613	0.929	1.676
N-Butane:	1.804	2.650	1.041	1.867
I-Pentane:	0.626	0.817	0.238	0.779
N-Pentane:	0.492	0.644	0.161	0.677
Hexane+:	1.662	2.063	0.145	1.918
BTU:	1303.2	1483.7	1180.8	1352.2
GPM:	19.2080	20.5170	18.3530	19.5330
SPG:	0.7767	0.8664	0.6647	0.7866



2030 Afton Place
Farmington, NM 87401
(505) 325-6622

Analysis No: WP170078
Cust No: 85500-12915

Well/Lease Information

Customer Name: WPX ENERGY PRODUCTION, LLC
Well Name: COX CANYON #1B; CSG
County/State: SAN JUAN NM
Location:
Field:
Formation: MV
Cust. Strn. No.:

Source: CASING
Pressure: PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 05/24/2017
Sampled By: RICK CONAWAY
Foreman/Engr.: DARREN ROWLEY

API: 30045 30791

Remarks: SAMPLE RAN ON 05/24/2017

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.802	0.0890	0.00	0.0078
CO2	0.068	0.0120	0.00	0.0010
Methane	82.705	14.0660	835.32	0.4581
Ethane	8.232	2.2090	145.68	0.0855
Propane	4.280	1.1830	107.69	0.0652
Iso-Butane	0.746	0.2450	24.26	0.0150
N-Butane	1.216	0.3850	39.67	0.0244
I-Pentane	0.446	0.1640	17.84	0.0111
N-Pentane	0.391	0.1420	15.67	0.0097
Hexane Plus	1.114	0.4980	58.72	0.0369
Total	100.000	18.9930	1244.86	0.7146

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0035

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1252.1

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1230.3

REAL SPECIFIC GRAVITY: 0.7168

GPM, BTU, and SPG calculations as shown
above are based on current GPA factors.

DRY BTU @ 14.650: 1245.3

DRY BTU @ 14.696: 1249.2

DRY BTU @ 14.730: 1252.1

DRY BTU @ 15.025: 1277.2

CYLINDER #: 6148

CYLINDER PRESSURE: 76 PSIG

DATE RUN: 5/24/17 12:00 AM

ANALYSIS RUN BY: PATRICIA KING



WPX ENERGY PRODUCTION, LLC

WELL ANALYSIS COMPARISON

API: 3004530791

Lease: COX CANYON #1B; CSG

CASING

05/24/2017

Stn. No.:

MV

85500-12915

Mtr. No.:

Smpl Date:	05/24/2017	05/20/2017	05/20/2017
Test Date:	05/24/2017	05/20/2017	05/20/2017
Run No:	WP170078	WP170066	WP170065
Nitrogen:	0.802	0.828	0.140
CO2:	0.068	0.088	1.646
Methane:	82.705	82.659	84.683
Ethane:	8.232	8.242	8.160
Propane:	4.280	4.281	2.994
I-Butane:	0.746	0.740	0.632
N-Butane:	1.216	1.229	0.696
I-Pentane:	0.446	0.445	0.282
N-Pentane:	0.391	0.390	0.181
Hexane+:	1.114	1.098	0.586
BTU:	1252.1	1251.2	1174.1
GPM:	18.9930	18.9870	18.5670
SPG:	0.7168	0.7168	0.6852