



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

Analysis No: WP170051
Cust No: 85500-12855

30-045-11492

Well/Lease Information

Customer Name: WPX ENERGY PRODUCTION, LLC
Well Name: COX CANYON 8; 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: 04/18/2017
Sampled By: RICK CONAWAY
Foreman/Engr.: DARREN ROWLEY

Remarks: SAMPLE RAN ON 05/04/2017

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.150	0.0170	0.00	0.0015
CO2	1.857	0.3180	0.00	0.0282
Methane	85.070	14.4630	859.21	0.4712
Ethane	7.500	2.0120	132.73	0.0779
Propane	3.008	0.8310	75.69	0.0458
Iso-Butane	0.620	0.2030	20.16	0.0124
N-Butane	0.718	0.2270	23.42	0.0144
I-Pentane	0.284	0.1040	11.36	0.0071
N-Pentane	0.185	0.0670	7.42	0.0046
Hexane Plus	0.608	0.2720	32.05	0.0201
Total	100.000	18.5140	1162.03	0.6832

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0031

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1168.3

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1148.0

REAL SPECIFIC GRAVITY: 0.685

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

DRY BTU @ 14.650: 1162.0

CYLINDER #: 4028

DRY BTU @ 14.696: 1165.6

CYLINDER PRESSURE: 56 PSIG

DRY BTU @ 14.730: 1168.3

DATE RUN: 4/18/17 12:00 AM

DRY BTU @ 15.025: 1191.7

ANALYSIS RUN BY: PATRICIA KING



WPX ENERGY PRODUCTION, LLC
WELL ANALYSIS COMPARISON

Lease: COX CANYON 8; INT
Stn. No.:
Mtr. No.:

INTERMEDIATE
MESA VERDE

05/08/2017
85500-12855

Smpl Date: 04/18/2017
Test Date: 04/18/2017
Run No: WP170051
Nitrogen: 0.150
CO2: 1.857
Methane: 85.070
Ethane: 7.500
Propane: 3.008
I-Butane: 0.620
N-Butane: 0.718
I-Pentane: 0.284
N-Pentane: 0.185
Hexane+: 0.608
BTU: 1168.3
GPM: 18.5140
SPG: 0.6850

COX CANYON UNIT #8
BLANCO MESAVERDE

Location:

1389' FSL and 1309' FEL
NE/4 SE/4 Sec 8(I), T32N, R11W
San Juan, New Mexico
Elevation: 6597' GR
API # 30-045-11492

Spud Date: 03/10/56

Completed Date: 04/01/56

1st Delivery Date: 10/26/56

Top Depth

Ojo Alamo 2037'

Kirtland 2182'

Fruitland 2775'

Pictured Cliffs 3245'

Lewis 3433'

Cliff House 5114'

Menefee 5214'

Point Lookout 5537'

6 jts 9-5/8", 32.3#, H-40 8rd csg. Landed @
205.17' Cemented with 115 sx cmt

87 jts 7", 20#, J-S 8rd csg. Landed @ 3450'.
Cemented with 180 sx cmt

184 jts 2-3/8", 4.7#, J-55, 8rd tbg Landed @
5719.04'.

181 jts 5", 11.5#, J-S 8rd csg. Landed @ 5745'.
Cemented with 220 sx cmt

Stimulation: 03/31/56

Perf'd w/ 2 shots/ft. 5730-26; 5720-
16; 5708-04; 5701-5697; 5608-5592;
5586-80; 5576-62; 5560-56; 5552-42;
5496-84; 5472-64; 5454-46; 5394-90;
5386-82; 5320-15; 5311-07; 5274-68;
5234-26; 5200-5184; 5180-76; 5173-
69; 5165-52; 5144-34; 5124-16

Frac I (LPL) 5626-5730, 52,500 gal
water

Frac II (UPL) 5556-5608, 52,500 gal
water

Frac III (Men) 5226-5496, 52,500 gal
water

Frac IV (CH) 5116-5200, 56,700 gal
water

5116'

5730'

PBTD @ 5740'
TD @ 5745'

Hole Size	Casing	Cement	Top of Cmt
12-1/4"	9-5/8", 32.3#	125 sx	Surface
8-3/4"	7", 20#	200 sx	Surface
6-1/4"	5", 11.5#	200 sx	??

NM 32-11 COM #1C BLANCO MV/BASIN DK

Spud Date: 03/06/05
Completed: 07/23/05
1st Delivered: 08/05/05 MV
08/09/05 DK

Location: 1920' FSL & 805' FWL
NW/4 SW/4 Section 20(L), T32N, R11W
San Juan Co., NM

Elevation: 6639' GR
API #: 30-045-32804

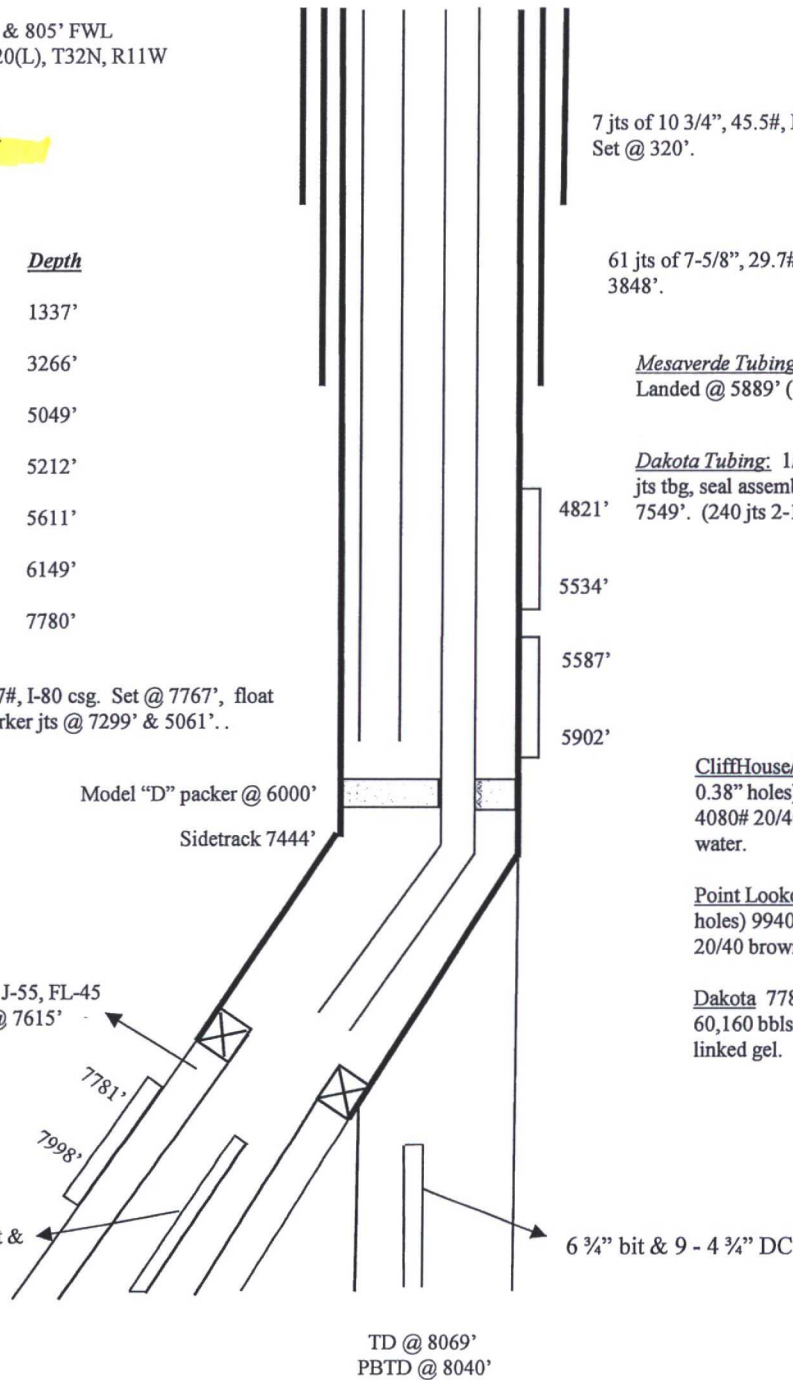
<u>Tops</u>	<u>Depth</u>
Kirtland	1337'
Pictured Cliffs	3266'
Cliff House	5049'
Menefee	5212'
Point Lookout	5611'
Mancos	6149'
Dakota	7780'

176 jts of 5-1/2", 17#, I-80 csg. Set @ 7767', float collar @ 7747', marker jts @ 7299' & 5061'.

Model "D" packer @ 6000'
Sidetrack 7444'

13 jts of 3 1/2", 9.3#, J-55, FL-45
set @ 8069' TOL @ 7615'

11 jts 1 1/4" MT Tool joint &
4 3/4" Bit



7 jts of 10 3/4", 45.5#, K-55, ST&C csg.
Set @ 320'.

61 jts of 7-5/8", 29.7#, P-110, LT&C csg. Set @
3848'.

Mesaverde Tubing: 1 jt tbg, SN @ 5883' & 185 jts tbg.
Landed @ 5889' (186 jts 2-1/16", 3.25#, J-55 tbg total)

Dakota Tubing: 1/2" mule shoe, 1.25" SN, 50
jts tbg, seal assembly, 190 jts tbg. Landed @
7549'. (240 jts 2-1/16", 3.25#, J-55 tbg total)

CliffHouse/Menefee 4821' - 5534' (83,
0.38" holes) 18,880# 14/30 LiteProp 125 &
4080# 20/40 brown sand carried in slick
water.

Point Lookout 5587' - 5902' (41, 0.38"
holes) 9940# 14/30 LiteProp 125 & 4480#
20/40 brown sand carried in slick water.

Dakota 7781' - 7998' (25, 0.32" holes)
60,160 bbls 20/40 Carbolite & 1326 bbls 60Q
linked gel.

6 3/4" bit & 9 - 4 3/4" DC

TD @ 8069'
PBTD @ 8040'

<u>HOLE SIZE</u>	<u>CASING</u>	<u>CEMENT</u>	<u>CU. FT.</u>	<u>CMT TOP</u>
14 3/4"	10 3/4"	360 sxs	296 cu.ft.	surface
9 7/8"	7 5/8"	665 sxs	1332 cu.ft.	surface
6 3/4"	5 1/2"	285 sxs	635 cu.ft.	2360'
4 3/4"	3 1/2"	50 sxs	106 cu.ft.	TOL