



30-039-26646

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

Analysis No: CP140210
Cust No: 18300-25395

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: CANYON LARGO UNIT 451; BHD
County/State: RIO ARRIBA NM
Location: F18-25N-06W
Field:
Formation: DK
Cust. Stn. No.: AM02368831NO

Source: BRADENHEAD
Pressure: 145 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 03/25/2014
Sampled By: KEN PRITCHARD
Foreman/Engr.: BERKLEY BROWN

OIL CONS. DIV DIST. 3

Remarks:

MAY 14 2014

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.995	0.1100	0.00	0.0096
CO2	0.420	0.0720	0.00	0.0064
Methane	81.576	13.8720	823.92	0.4518
Ethane	10.931	2.9320	193.45	0.1135
Propane	3.259	0.9010	82.00	0.0496
Iso-Butane	0.507	0.1660	16.49	0.0102
N-Butane	0.973	0.3080	31.74	0.0195
I-Pentane	0.431	0.1580	17.24	0.0107
N-Pentane	0.387	0.1410	15.51	0.0096
Hexane Plus	0.521	0.2330	27.46	0.0172
Total	100.000	18.8930	1207.81	0.6983

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0033
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1214.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1193.5
REAL SPECIFIC GRAVITY: 0.7003

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

DRY BTU @ 14.650: 1208.0
DRY BTU @ 14.696: 1211.8
DRY BTU @ 14.730: 1214.6
DRY BTU @ 15.025: 1238.9

CYLINDER #: 100
CYLINDER PRESSURE: 124 PSIG
DATE RUN: 3/28/14 10:15 AM
ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: CANYON LARGO UNIT 451; BHD
Stn. No.: AM02368831NO
Mtr. No.:

BRADENHEAD
DK

03/28/2014
18300-25395

Smpl Date:	03/25/2014	02/20/2014
Test Date:	03/28/2014	03/17/2014
Run No:	CP140210	CP140125
Nitrogen:	0.995	0.966
CO2:	0.420	0.348
Methane:	81.576	81.045
Ethane:	10.931	11.260
Propane:	3.259	3.550
I-Butane:	0.507	0.540
N-Butane:	0.973	1.009
I-Pentane:	0.431	0.398
N-Pentane:	0.387	0.347
Hexane+:	0.521	0.537
BTU:	1214.6	1222.6
GPM:	18.8930	18.9600
SPG:	0.7003	0.7039



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

Analysis No: CP140211
Cust No: 18300-25730

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: CANYON LARGO UNIT 451; CSG
County/State: RIO ARRIBA NM
Location: F18-25N-06W
Field:
Formation: DK
Cust. Stn. No.: AM02368831NO

Source: CASING
Pressure: 105 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 03/25/2014
Sampled By: KEN PRITCHARD
Foreman/Engr.: BERKELY BROWN

Remarks:

OIL CONS. DIV DIST. 3
MAY 14 2014

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.990	0.1090	0.00	0.0096
CO2	0.473	0.0810	0.00	0.0072
Methane	81.135	13.7980	819.46	0.4494
Ethane	10.918	2.9290	193.22	0.1134
Propane	3.270	0.9040	82.28	0.0498
Iso-Butane	0.518	0.1700	16.84	0.0104
N-Butane	1.008	0.3190	32.88	0.0202
I-Pentane	0.484	0.1780	19.36	0.0121
N-Pentane	0.455	0.1650	18.24	0.0113
Hexane Plus	0.749	0.3350	39.48	0.0248
Total	100.000	18.9880	1221.77	0.7081

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0034
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1228.8
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1207.4
REAL SPECIFIC GRAVITY: 0.7102

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

DRY BTU @ 14.650: 1222.1
DRY BTU @ 14.696: 1226.0
DRY BTU @ 14.730: 1228.8
DRY BTU @ 15.025: 1253.4

CYLINDER #: 023
CYLINDER PRESSURE: 105 PSIG
DATE RUN: 3/28/14 10:30 AM
ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease:	CANYON LARGO UNIT 451; CSG	CASING	03/28/2014
Stn. No.:	AM02368831NO	DK	18300-25730
Mtr. No.:			

Smpl Date:	03/25/2014
Test Date:	03/28/2014
Run No:	CP140211
Nitrogen:	0.990
CO2:	0.473
Methane:	81.135
Ethane:	10.918
Propane:	3.270
I-Butane:	0.518
N-Butane:	1.008
I-Pentane:	0.484
N-Pentane:	0.455
Hexane+:	0.749
BTU:	1228.8
GPM:	18.9880
SPG:	0.7102