

30-045-11334

2030 Afton Place
Farmington, NM 87401
(505) 325-6622Analysis No: CP140245
Cust No: 18300-25820**Well/Lease Information**Customer Name: CONOCO PHILLIPS COMPANY
Well Name: BARKER DOME 22 CSG
County/State: SAN JUAN
Location: J21-32N-14W
Field:
Formation:
Cust. Stn. No.: 3677130
AM02322681NOSource: CASING
Pressure: 2 PSIG
Sample Temp: 48 DEG. F
Well Flowing: Y
Date Sampled: 03/25/2014
Sampled By: JEREMY HORTON
Foreman/Engr.: RICHARD LOPEZOIL CONS. DIV DIST. 3
MAY 14 2014

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.182	0.1300	0.00	0.0114
CO2	0.571	0.0980	0.00	0.0087
Methane	86.449	14.7000	873.13	0.4788
Ethane	5.580	1.4970	98.75	0.0579
Propane	2.451	0.6770	61.67	0.0373
Iso-Butane	0.481	0.1580	15.64	0.0097
N-Butane	0.905	0.2860	29.52	0.0182
I-Pentane	0.454	0.1670	18.16	0.0113
N-Pentane	0.435	0.1580	17.44	0.0108
Hexane Plus	1.492	0.6670	78.65	0.0494
Total	100.000	18.5380	1192.97	0.6935

* @ 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): 1199.7

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1178.8

REAL SPECIFIC GRAVITY: 0.6956

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

DRY BTU @ 14.650: 1193.2

DRY BTU @ 14.696: 1196.9

DRY BTU @ 14.730: 1199.7

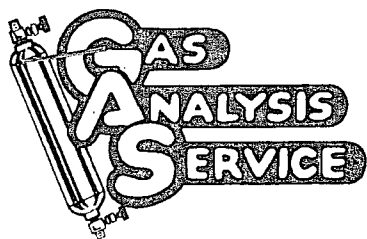
DRY BTU @ 15.025: 1223.7

CYLINDER #: 6066

CYLINDER PRESSURE: 8 PSIG

DATE RUN: 4/15/14 3:19 PM

ANALYSIS RUN BY: AMANDA ARMENTA



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

Analysis No: CP140244
Cust No: 18300-25815

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: BARKER DOME 22 BHD
County/State: SAN JUAN
Location: J21-32N-14W
Field:
Formation:
Cust. Stn. No.: 3677130
AM02322681NO

Source: BRADENHEAD
Pressure: 5 PSIG
Sample Temp: 52 DEG. F
Well Flowing: Y
Date Sampled: 03/14/2014
Sampled By: JEREMY HORTON
Foreman/Engr.: RICHARD LOPEZ

Remarks: PRESSURED WITH HELIUM TO 30 LBS.

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.144	0.1260	0.00	0.0111
CO2	0.157	0.0270	0.00	0.0024
Methane	89.891	15.2750	907.90	0.4979
Ethane	5.437	1.4570	96.22	0.0564
Propane	2.086	0.5760	52.49	0.0318
Iso-Butane	0.364	0.1190	11.84	0.0073
N-Butane	0.335	0.1060	10.93	0.0067
I-Pentane	0.236	0.0870	9.44	0.0059
N-Pentane	0.010	0.0040	0.40	0.0002
Hexane Plus	0.340	0.1520	17.92	0.0113
Total	100.000	17.9290	1107.13	0.6310

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0026
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1112.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1093.2
REAL SPECIFIC GRAVITY: 0.6324

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

DRY BTU @ 14.650: 1106.6
DRY BTU @ 14.696: 1110.0
DRY BTU @ 14.730: 1112.6
DRY BTU @ 15.025: 1134.9

CYLINDER #: 4154
CYLINDER PRESSURE: PSIG
DATE RUN: 4/15/14 3:17 PM
ANALYSIS RUN BY: TIMBER EVERETT