



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

Analysis No: DR180009
Cust No: 21300-10045

Well/Lease Information

Customer Name: D.J.R.
Well Name: CENTRAL BISTI UNIT #8; BHD
County/State: SAN JUAN NM
Location:
Field: API 30-045-05547
Formation:
Cust. Stn. No.:

Source: BRADENHEAD
Well Flowing: N
Pressure: 27 PSIG
Flow Temp: DEG. F
Ambient Temp: 75 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 05/09/2018
Sample Time: 12.47 PM
Sampled By: KYLE SIESSER
Sampled by (CO): COTTONWOOD

Heat Trace: N
Remarks: PRESSURED WITH HELIUM TO 30LBS.

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.6884	0.5315	0.1860	0.00	0.0163
CO2	0.0368	0.0116	0.0060	0.00	0.0006
Methane	80.9615	25.4863	13.7770	817.71	0.4484
Ethane	7.0611	2.2228	1.8950	124.96	0.0733
Propane	5.0385	1.5861	1.3930	126.77	0.0767
Iso-Butane	0.5963	0.1877	0.1960	19.39	0.0120
N-Butane	1.6382	0.5157	0.5180	53.44	0.0329
I-Pentane	0.4222	0.1329	0.1550	16.89	0.0105
N-Pentane	0.4343	0.1367	0.1580	17.41	0.0108
Hexane Plus	2.1227	0.6682	0.9500	111.89	0.0703
Total	100.0000	31.4795	19.2340	1288.47	0.7518

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.004
BTU/CU.FT IDEAL: 1291.5
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1296.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1273.9
DRY BTU @ 15.025: 1322.5
REAL SPECIFIC GRAVITY: 0.7544

CYLINDER #: 6112
CYLINDER PRESSURE: 1 PSIG
ANALYSIS DATE: 05/11/2018
ANALYSIS TIME: 08:43:23 AM
ANALYSIS RUN BY: PATRICIA KING

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

GPA Standard: GPA-2261

GC: Danalyzer Model 500

Last Cal/Verify: 05/14/2018

GC Method: C6+ Gas

NMOCB

JUN 21 2018

DISTRICT III

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D.J.R.

WELL ANALYSIS COMPARISON

Lease: CENTRAL BISTI UNIT #8; BHD
Stn. No.:
Mtr. No.:

BRADENHEAD

05/14/2018
21300-10045

Smpl Date: 05/09/2018
Test Date: 05/11/2018
Run No: DR180009
Nitrogen: 1.6884
CO2: 0.0368
Methane: 80.9615
Ethane: 7.0611
Propane: 5.0385
I-Butane: 0.5963
N-Butane: 1.6382
I-Pentane: 0.4222
N-Pentane: 0.4343
Hexane+: 2.1227
BTU: 1296.5
GPM: 19.2340
SPG: 0.7544



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

Analysis No: DR180010
Cust No: 21300-10050

Well/Lease Information

Customer Name: D.J.R.
Well Name: CENTRAL BISTI UNIT #8; CSG
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Stn. No.:

API 30-045-05547

Source: CASING
Well Flowing: N
Pressure: 87 PSIG
Flow Temp: DEG. F
Ambient Temp: 75 DEG. F
Flow Rate: MCF/D
Sample Method:
Sample Date: 05/09/2018
Sample Time: 12.55 PM
Sampled By: KYLE SIESSER
Sampled by (CO): COTTONWOOD

Heat Trace: N
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.5732	1.5478	0.1740	0.00	0.0152
CO2	0.5284	0.5199	0.0900	0.00	0.0080
Methane	82.2709	80.9450	13.9900	830.94	0.4557
Ethane	7.5474	7.4258	2.0250	133.57	0.0784
Propane	4.9618	4.8818	1.3710	124.84	0.0755
Iso-Butane	0.5643	0.5552	0.1850	18.35	0.0113
N-Butane	1.3851	1.3628	0.4380	45.19	0.0278
I-Pentane	0.2945	0.2898	0.1080	11.78	0.0073
N-Pentane	0.2786	0.2741	0.1010	11.17	0.0069
Hexane Plus	0.5958	0.5862	0.2670	31.41	0.0197
Total	100.0000	98.3884	18.7490	1207.24	0.7060

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0033
BTU/CU.FT IDEAL: 1210.0
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1214.0
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1192.9
DRY BTU @ 15.025: 1238.3
REAL SPECIFIC GRAVITY: 0.708

CYLINDER #: 4070
CYLINDER PRESSURE: 76 PSIG
ANALYSIS DATE: 05/11/2018
ANALYSIS TIME: 08:30:09 AM
ANALYSIS RUN BY: RICHARD WILSON

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

GPA Standard: GPA-2261

GC: Danalyzer Model 500

Last Cal/Verify: 05/14/2018

GC Method: C6+ Gas



D.J.R.

WELL ANALYSIS COMPARISON

Lease: CENTRAL BISTI UNIT #8; CSG
Stn. No.:
Mtr. No.:

CASING

05/14/2018
21300-10050

Smpl Date: 05/09/2018
Test Date: 05/11/2018
Run No: DR180010
Nitrogen: 1.5732
CO2: 0.5284
Methane: 82.2709
Ethane: 7.5474
Propane: 4.9618
I-Butane: 0.5643
N-Butane: 1.3851
I-Pentane: 0.2945
N-Pentane: 0.2786
Hexane+: 0.5958
BTU: 1214.0
GPM: 18.7490
SPG: 0.7080