



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

Analysis No: DR180020
Cust No: 21300-10100

Well/Lease Information

Customer Name: D.J.R.
Well Name: CENTRAL BISTI UNIT #38; BHD
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Stn. No.:

API 30-045-05423

Source: BRADENHEAD
Well Flowing: Y
Pressure: 27 PSIG
Flow Temp: DEG. F
Ambient Temp: 70 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 06/01/2018
Sample Time: 10.15 AM
Sampled By: J. HARTER
Sampled by (CO): COTTONWOOD

Heat Trace: N
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	2.3547	2.3073	0.2600	0.00	0.0228
CO2	0.0109	0.0107	0.0020	0.00	0.0002
Methane	96.2038	94.2652	16.3380	971.66	0.5329
Ethane	1.1160	1.0935	0.2990	19.75	0.0116
Propane	0.1858	0.1821	0.0510	4.67	0.0028
Iso-Butane	0.0649	0.0636	0.0210	2.11	0.0013
N-Butane	0.0131	0.0128	0.0040	0.43	0.0003
I-Pentane	0.0057	0.0056	0.0020	0.23	0.0001
N-Pentane	0.0015	0.0015	0.0010	0.06	0.0000
Hexane Plus	0.0436	0.0427	0.0190	2.30	0.0014
Total	100.0000	97.9850	16.9970	1001.21	0.5734

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.002
BTU/CU.FT IDEAL: 1003.5
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1005.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 988.0
DRY BTU @ 15.025: 1025.6
REAL SPECIFIC GRAVITY: 0.5743

CYLINDER #: 6104
CYLINDER PRESSURE: 29 PSIG
ANALYSIS DATE: 06/12/2018
ANALYSIS TIME: 10:40:29 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

GC Method: C6+ Gas

Last Cal/Verify: 06/14/2018

NMCO

JUN 21 2018

DISTRICT III

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D.J.R.

WELL ANALYSIS COMPARISON

Lease: CENTRAL BISTI UNIT #38; BHD
Stn. No.:
Mtr. No.:

BRADENHEAD

06/14/2018
21300-10100

Smpl Date: 06/01/2018
Test Date: 06/12/2018
Run No: DR180020

Nitrogen: 2.3547
CO2: 0.0109
Methane: 96.2038
Ethane: 1.1160
Propane: 0.1858
I-Butane: 0.0649
N-Butane: 0.0131
I-Pentane: 0.0057
N-Pentane: 0.0015
Hexane+: 0.0436

BTU: 1005.5
GPM: 16.9970
SPG: 0.5743



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

Analysis No: DR180021
Cust No: 21300-10105

Well/Lease Information

Customer Name: D.J.R.
Well Name: CENTRAL BISTI UNIT #38; CSG
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Stn. No.:

Source: CASING
Well Flowing: Y
Pressure: 33 PSIG
Flow Temp: DEG. F
Ambient Temp: 20 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 06/01/2018
Sample Time: 10.20 AM
Sampled By: J. HARTER
Sampled by (CO): COTTONWOOD

API 30-045-05423

Heat Trace: N
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	2.0614	2.0096	0.2270	0.00	0.0199
CO2	0.0386	0.0376	0.0070	0.00	0.0006
Methane	97.0110	94.5746	16.4750	979.81	0.5373
Ethane	0.6619	0.6453	0.1770	11.71	0.0069
Propane	0.0902	0.0879	0.0250	2.27	0.0014
Iso-Butane	0.0293	0.0286	0.0100	0.95	0.0006
N-Butane	0.0101	0.0098	0.0030	0.33	0.0002
I-Pentane	0.0045	0.0044	0.0020	0.18	0.0001
N-Pentane	0.0037	0.0036	0.0010	0.15	0.0001
Hexane Plus	0.0893	0.0871	0.0400	4.71	0.0030
Total	100.0000	97.4885	16.9670	1000.11	0.5701

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.002
BTU/CU.FT IDEAL: 1002.4
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1004.4
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 986.9
DRY BTU @ 15.025: 1024.5
REAL SPECIFIC GRAVITY: 0.571

CYLINDER #: 5034
CYLINDER PRESSURE: 30 PSIG
ANALYSIS DATE: 06/12/2018
ANALYSIS TIME: 10:58:28 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: 06/14/2018

GC Method: C6+ Gas



D.J.R.

WELL ANALYSIS COMPARISON

Lease: CENTRAL BISTI UNIT #38; CSG
Stn. No.:
Mtr. No.:

CASING

06/14/2018
21300-10105

Smpl Date: 06/01/2018
Test Date: 06/12/2018
Run No: DR180021

Nitrogen: 2.0614
CO2: 0.0386
Methane: 97.0110
Ethane: 0.6619
Propane: 0.0902
I-Butane: 0.0293
N-Butane: 0.0101
I-Pentane: 0.0045
N-Pentane: 0.0037
Hexane+: 0.0893

BTU: 1004.4
GPM: 16.9670
SPG: 0.5710