



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

Analysis No: DR180038
Cust No: 21300-10180

Well/Lease Information

Customer Name: D.J.R.
Well Name: CENTRAL BISTI UNIT #70; BHD
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Stn. No.: API # 30-045-05529

Source: BRADENHEAD
Well Flowing: N
Pressure: 138 PSIG
Flow Temp: DEG. F
Ambient Temp: 90 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 08/08/2018
Sample Time: 10.35 AM
Sampled By: JACOB HARTER
Sampled by (CO): COTTONWOOD

Heat Trace: N
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.8584	0.8377	0.0950	0.00	0.0083
CO2	0.0108	0.0105	0.0020	0.00	0.0002
Methane	97.6917	95.3305	16.5910	986.69	0.5411
Ethane	1.1420	1.1144	0.3060	20.21	0.0119
Propane	0.1820	0.1776	0.0500	4.58	0.0028
Iso-Butane	0.0638	0.0623	0.0210	2.07	0.0013
N-Butane	0.0076	0.0074	0.0020	0.25	0.0002
I-Pentane	0.0056	0.0055	0.0020	0.22	0.0001
N-Pentane	0.0012	0.0012	0.0000	0.05	0.0000
Hexane Plus	0.0369	0.0360	0.0160	1.95	0.0012
Total	100.0000	97.5831	17.0850	1016.02	0.5670

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.002
BTU/CU.FT IDEAL: 1018.4
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1020.4
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1002.6
DRY BTU @ 15.025: 1040.8
REAL SPECIFIC GRAVITY: 0.5679

CYLINDER #: 6081
CYLINDER PRESSURE: 126 PSIG
ANALYSIS DATE: 08/13/2018
ANALYSIS TIME: 04:27:07 PM
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

GC Method: C6+ Gas

Last Cal/Verify: 08/17/2018

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DISTRICT III

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

Analysis No: DR180039
Cust No: 21300-10185

Well/Lease Information

Customer Name: D.J.R.
Well Name: CENTRAL BISTI UNIT #70; CSG
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Stn. No.: API # 30-045-05529

Source: CASING
Well Flowing: N
Pressure: 166 PSIG
Flow Temp: DEG. F
Ambient Temp: 90 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 08/08/2018
Sample Time: 10.30 AM
Sampled By: JACOB HARTER
Sampled by (CO): COTTONWOOD

Heat Trace: N
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.5096	0.5142	0.0560	0.00	0.0049
CO2	0.0882	0.0890	0.0150	0.00	0.0013
Methane	76.0098	76.7016	12.9320	767.70	0.4210
Ethane	13.1822	13.3022	3.5380	233.29	0.1369
Propane	7.5054	7.5737	2.0750	188.84	0.1143
Iso-Butane	0.6409	0.6467	0.2100	20.84	0.0129
N-Butane	1.3174	1.3294	0.4170	42.98	0.0264
I-Pentane	0.2236	0.2256	0.0820	8.95	0.0056
N-Pentane	0.2139	0.2158	0.0780	8.57	0.0053
Hexane Plus	0.3090	0.3118	0.1380	16.29	0.0102
Total	100.0000	100.9100	19.5410	1287.45	0.7388

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0038
BTU/CU.FT IDEAL: 1290.4
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1295.4
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1272.9
DRY BTU @ 15.025: 1321.3
REAL SPECIFIC GRAVITY: 0.7414

CYLINDER #: 6153
CYLINDER PRESSURE: 152 PSIG
ANALYSIS DATE: 08/14/2018
ANALYSIS TIME: 09:51:42 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: 08/17/2018

GC Method: C6+ Gas

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DISTRICT III



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

Analysis No: DR180040
Cust No: 21300-10190

Well/Lease Information

Customer Name: D.J.R.
Well Name: CENTRAL BISTI UNIT #70; TBG
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Stn. No.: API # 30-045-05529

Source: TUBING
Well Flowing: N
Pressure: 204 PSIG
Flow Temp: DEG. F
Ambient Temp: 90 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 08/08/2018
Sample Time: 10.25 AM
Sampled By: JACOB HARTER
Sampled by (CO): COTTONWOOD

Heat Trace: N
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.5766	0.5819	0.0640	0.00	0.0056
CO2	0.0642	0.0648	0.0110	0.00	0.0010
Methane	77.3326	78.0481	13.1550	781.06	0.4283
Ethane	12.3269	12.4409	3.3080	218.15	0.1280
Propane	7.2505	7.3176	2.0040	182.43	0.1104
Iso-Butane	0.6139	0.6196	0.2020	19.96	0.0123
N-Butane	1.2749	1.2867	0.4030	41.59	0.0256
I-Pentane	0.2031	0.2050	0.0750	8.13	0.0051
N-Pentane	0.1817	0.1834	0.0660	7.28	0.0045
Hexane Plus	0.1756	0.1772	0.0790	9.26	0.0058
Total	100.0000	100.9252	19.3670	1267.86	0.7266

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0037
BTU/CU.FT IDEAL: 1270.8
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1275.4
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1253.2
DRY BTU @ 15.025: 1300.9
REAL SPECIFIC GRAVITY: 0.7289

CYLINDER #: 4166
CYLINDER PRESSURE: 191 PSIG
ANALYSIS DATE: 08/14/2018
ANALYSIS TIME: 10:09:33 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: 08/17/2018

GC Method: C6+ Gas

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