



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

Analysis No: DR180041
Cust No: 21300-10195

Well/Lease Information

Customer Name: D.J.R.
Well Name: CENTRAL BISTI UNIT #96; BHD
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Stn. No.: API # 30-045-25871

Source: BRADENHEAD
Well Flowing: N
Pressure: 26 PSIG
Flow Temp: DEG. F
Ambient Temp: 95 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 08/08/2018
Sample Time: 1.40 PM
Sampled By: JACOB HARTER
Sampled by (CO): COTTONWOOD

Heat Trace: N
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.0121	0.9865	0.1120	0.00	0.0098
CO2	0.0156	0.0152	0.0030	0.00	0.0002
Methane	97.6026	95.1310	16.5750	985.79	0.5406
Ethane	1.1316	1.1029	0.3030	20.03	0.0117
Propane	0.1592	0.1552	0.0440	4.01	0.0024
Iso-Butane	0.0583	0.0568	0.0190	1.90	0.0012
N-Butane	0.0053	0.0052	0.0020	0.17	0.0001
I-Pentane	0.0044	0.0043	0.0020	0.18	0.0001
N-Pentane	0.0000	0.0000	0.0000	0.00	0.0000
Hexane Plus	0.0109	0.0106	0.0050	0.57	0.0004
Total	100.0000	97.4677	17.0650	1012.64	0.5666

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.002
BTU/CU.FT IDEAL: 1015.0
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1017.0
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 999.3
DRY BTU @ 15.025: 1037.4
REAL SPECIFIC GRAVITY: 0.5675

CYLINDER #: 4100
CYLINDER PRESSURE: 26 PSIG
ANALYSIS DATE: 08/13/2018
ANALYSIS TIME: 04:02:19 PM
ANALYSIS RUN BY: SHYANN ELLEDGE

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

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

Analysis No: DR180042
Cust No: 21300-10200

Well/Lease Information

Customer Name: D.J.R.
Well Name: CENTRAL BISTI UNIT #96; CSG
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Stn. No.: API # 30-045-25871

Source: CASING
Well Flowing: N
Pressure: 41 PSIG
Flow Temp: DEG. F
Ambient Temp: 95 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 08/08/2018
Sample Time: 1.35 PM
Sampled By: JACOB HARTER
Sampled by (CO): COTTONWOOD

Heat Trace: N
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3533	0.3501	0.0390	0.00	0.0034
CO2	0.2447	0.2425	0.0420	0.00	0.0037
Methane	93.1898	92.3331	15.8310	941.22	0.5162
Ethane	5.5102	5.4596	1.4770	97.51	0.0572
Propane	0.4123	0.4085	0.1140	10.37	0.0063
Iso-Butane	0.0583	0.0578	0.0190	1.90	0.0012
N-Butane	0.1325	0.1313	0.0420	4.32	0.0027
I-Pentane	0.0350	0.0347	0.0130	1.40	0.0009
N-Pentane	0.0335	0.0332	0.0120	1.34	0.0008
Hexane Plus	0.0304	0.0301	0.0140	1.60	0.0010
Total	100.0000	99.0809	17.6030	1059.67	0.5933

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0023
BTU/CU.FT IDEAL: 1062.1
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1064.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1046.1
DRY BTU @ 15.025: 1085.9
REAL SPECIFIC GRAVITY: 0.5945

CYLINDER #: 6039
CYLINDER PRESSURE: 42 PSIG
ANALYSIS DATE: 08/13/2018
ANALYSIS TIME: 03:47:48 PM
ANALYSIS RUN BY: SHYANN ELLEDGE

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

Analysis No: DR180043
Cust No: 21300-10205

Well/Lease Information

Customer Name: D.J.R.
Well Name: CENTRAL BISTI UNIT #96; TBG
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Stn. No.: API # 30-045-25871

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

Source: TUBING
Well Flowing: N
Pressure: 4 PSIG
Flow Temp: DEG. F
Ambient Temp: 95 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 08/08/2018
Sample Time: 1.30 PM
Sampled By: JACOB HARTER
Sampled by (CO): COTTONWOOD

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	14.7863	2.6259	1.6460	0.00	0.1430
CO2	0.1391	0.0247	0.0240	0.00	0.0021
Methane	25.4878	4.5264	4.3710	257.43	0.1412
Ethane	12.3836	2.1992	3.3500	219.15	0.1286
Propane	22.2344	3.9486	6.1970	559.44	0.3385
Iso-Butane	3.5802	0.6358	1.1850	116.42	0.0718
N-Butane	11.8892	2.1114	3.7920	387.86	0.2386
I-Pentane	2.9016	0.5153	1.0740	116.09	0.0723
N-Pentane	2.9242	0.5193	1.0720	117.22	0.0728
Hexane Plus	3.6736	0.6524	1.6570	193.64	0.1216
Total	100.0000	17.7590	24.3680	1967.26	1.3305

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0119
BTU/CU.FT IDEAL: 1971.8
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1995.2
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1960.5
DRY BTU @ 15.025: 2035.2
REAL SPECIFIC GRAVITY: 1.3457

CYLINDER #: 6163
CYLINDER PRESSURE: PSIG
ANALYSIS DATE: 08/13/2018
ANALYSIS TIME: 03:52:04 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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