



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

Analysis No: DR180034
Cust No: 21300-10155

Well/Lease Information

Customer Name: D.J.R.
Well Name: CENTRAL BISTI UNIT #4; BHD
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Stn. No.: API # 30-045-13282

Source: BRADENHEAD
Well Flowing: N
Pressure: 117 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: 2.50 PM
Sampled By: JACOB HARTER
Sampled by (CO): COTTONWOOD

Heat Trace: N
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.9062	0.8841	0.1000	0.00	0.0088
CO2	0.0041	0.0040	0.0010	0.00	0.0001
Methane	97.7709	95.3830	16.6040	987.49	0.5416
Ethane	1.1078	1.0807	0.2970	19.60	0.0115
Propane	0.1437	0.1402	0.0400	3.62	0.0022
Iso-Butane	0.0455	0.0444	0.0150	1.48	0.0009
N-Butane	0.0052	0.0051	0.0020	0.17	0.0001
I-Pentane	0.0034	0.0033	0.0010	0.14	0.0001
N-Pentane	0.0000	0.0000	0.0000	0.00	0.0000
Hexane Plus	0.0132	0.0129	0.0060	0.70	0.0004
Total	100.0000	97.5577	17.0660	1013.19	0.5656

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.002
BTU/CU.FT IDEAL: 1015.5
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1017.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 999.9
DRY BTU @ 15.025: 1038.0
REAL SPECIFIC GRAVITY: 0.5665

CYLINDER #: 7020
CYLINDER PRESSURE: 104 PSIG
ANALYSIS DATE: 08/13/2018
ANALYSIS TIME: 04:09:12 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

Last Cal/Verify: 08/17/2018

GC Method: C6+ Gas

NMOC

SEP 10 2018

DISTRICT III



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

Analysis No: DR180033
Cust No: 21300-10160

Well/Lease Information

Customer Name: D.J.R.
Well Name: CENTRAL BISTI UNIT #4; TBG / CSG
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Stn. No.: API # 30-045-13282

Source: TUBING / CASING
Well Flowing: N
Pressure: 22 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: 2.55 PM
Sampled By: JACOB HARTER
Sampled by (CO): COTTONWOOD

Heat Trace: N
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.2302	1.2197	0.1360	0.00	0.0119
CO2	0.2530	0.2508	0.0430	0.00	0.0038
Methane	53.3907	52.9359	9.1150	539.25	0.2957
Ethane	15.4816	15.3497	4.1700	273.98	0.1607
Propane	19.5681	19.4014	5.4290	492.35	0.2979
Iso-Butane	2.4858	2.4646	0.8190	80.84	0.0499
N-Butane	4.6410	4.6015	1.4730	151.40	0.0931
I-Pentane	0.9626	0.9544	0.3550	38.51	0.0240
N-Pentane	0.8360	0.8289	0.3050	33.51	0.0208
Hexane Plus	1.1510	1.1412	0.5170	60.67	0.0381
Total	100.0000	99.1481	22.3620	1670.51	0.9960

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0073
BTU/CU.FT IDEAL: 1674.4
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1686.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1657.2
DRY BTU @ 15.025: 1720.3
REAL SPECIFIC GRAVITY: 1.0029

CYLINDER #: 6174
CYLINDER PRESSURE: 19 PSIG
ANALYSIS DATE: 08/13/2018
ANALYSIS TIME: 04:18:51 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

NMOCB

SEP 10 2018

DISTRICT III