



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

Analysis No: DR180055
Cust No: 21300-10265

Well/Lease Information

Customer Name: D.J.R.
Well Name: BISTI GALLUP 20-9; BHD
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Stn. No.: API # 30-045-34002

Source: BRADENHEAD
Well Flowing: Y
Pressure: 48 PSIG
Flow Temp: DEG. F
Ambient Temp: 85 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 08/10/2018
Sample Time: 11.45 AM
Sampled By: JACOB HARTER
Sampled by (CO): COTTONWOOD

Heat Trace: N

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.1781	1.1797	0.1300	0.00	0.0114
CO2	0.0061	0.0061	0.0010	0.00	0.0001
Methane	97.6003	97.7355	16.5750	985.76	0.5406
Ethane	1.0105	1.0119	0.2710	17.88	0.0105
Propane	0.1412	0.1414	0.0390	3.55	0.0021
Iso-Butane	0.0501	0.0502	0.0160	1.63	0.0010
N-Butane	0.0049	0.0049	0.0020	0.16	0.0001
I-Pentane	0.0033	0.0033	0.0010	0.13	0.0001
N-Pentane	0.0000	0.0000	0.0000	0.00	0.0000
Hexane Plus	0.0055	0.0055	0.0020	0.29	0.0002
Total	100.0000	100.1385	17.0370	1009.41	0.5661

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.002
BTU/CU.FT IDEAL: 1011.7
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1013.8
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 996.2
DRY BTU @ 15.025: 1034.1
REAL SPECIFIC GRAVITY: 0.567

CYLINDER #: 6246
CYLINDER PRESSURE: 39 PSIG
ANALYSIS DATE: 08/16/2018
ANALYSIS TIME: 03:29:49 PM
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: 08/23/2018

NMOC

SEP 10 2018

DISTRICT III

2



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

Analysis No: DR180056
Cust No: 21300-10270

Well/Lease Information

Customer Name: D.J.R.
Well Name: BISTI GALLUP 20-9; CSG
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Stn. No.: API # 30-045-34002

Source: CASING
Well Flowing: Y
Pressure: 69 PSIG
Flow Temp: DEG. F
Ambient Temp: 85 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 08/10/2018
Sample Time: 11.40 AM
Sampled By: JACOB HARTER
Sampled by (CO): COTTONWOOD

Heat Trace: N
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	2.9467	2.9395	0.3260	0.00	0.0285
CO2	0.3796	0.3787	0.0650	0.00	0.0058
Methane	64.2966	64.1398	10.9580	649.40	0.3561
Ethane	12.3877	12.3575	3.3310	219.23	0.1286
Propane	11.2989	11.2714	3.1290	284.29	0.1720
Iso-Butane	1.3415	1.3382	0.4410	43.62	0.0269
N-Butane	3.8249	3.8156	1.2120	124.78	0.0768
I-Pentane	0.9827	0.9803	0.3610	39.32	0.0245
N-Pentane	1.1004	1.0977	0.4010	44.11	0.0274
Hexane Plus	1.4410	1.4375	0.6460	75.96	0.0477
Total	100.0000	99.7562	20.8700	1480.70	0.8943

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0056
BTU/CU.FT IDEAL: 1484.1
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1492.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1466.5
DRY BTU @ 15.025: 1522.4
REAL SPECIFIC GRAVITY: 0.899

CYLINDER #: 7037
CYLINDER PRESSURE: 60 PSIG
ANALYSIS DATE: 08/16/2018
ANALYSIS TIME: 03:32:59 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: 08/23/2018

GC Method: C6+ Gas

NMOC

SEP 10 2018

DISTRICT III