



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

Analysis No: DR180011
Cust No: 21300-10055

Well/Lease Information

Customer Name: D.J.R.
Well Name: BISTI GALLUP 18 #2; BHD
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Stn. No.:

API 30-045-33802

Source: BRADENHEAD
Well Flowing: Y
Pressure: 23 PSIG
Flow Temp: DEG. F
Ambient Temp: 65 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 05/07/2018
Sample Time: 2.45 PM
Sampled By: J. HARTER
Sampled by (CO): COTTONWOOD

Heat Trace: N
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	3.9609	3.9321	0.4380	0.00	0.0383
CO2	0.0242	0.0240	0.0040	0.00	0.0004
Methane	64.3033	63.8357	10.9530	649.46	0.3562
Ethane	11.7275	11.6422	3.1510	207.54	0.1218
Propane	12.3967	12.3066	3.4310	311.91	0.1887
Iso-Butane	1.7219	1.7094	0.5660	55.99	0.0346
N-Butane	4.5534	4.5203	1.4420	148.55	0.0914
I-Pentane	0.6732	0.6683	0.2470	26.93	0.0168
N-Pentane	0.4614	0.4580	0.1680	18.50	0.0115
Hexane Plus	0.1775	0.1762	0.0800	9.36	0.0059
Total	100.0000	99.2728	20.4800	1428.24	0.8654

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.005
BTU/CU.FT IDEAL: 1431.5
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1438.7
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1413.7
DRY BTU @ 15.025: 1467.5
REAL SPECIFIC GRAVITY: 0.8694

CYLINDER #: 6141
CYLINDER PRESSURE: 22 PSIG
ANALYSIS DATE: 05/16/2018
ANALYSIS TIME: 09:42:28 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: 05/16/2018

GC Method: C6+ Gas

NM000

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DISTRICT III

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D.J.R.

WELL ANALYSIS COMPARISON

Lease: BISTI GALLUP 18 #2; BHD
Stn. No.:
Mtr. No.:

BRADENHEAD

05/16/2018
21300-10055

Smpl Date: 05/07/2018
Test Date: 05/16/2018
Run No: DR180011

Nitrogen: 3.9609
CO2: 0.0242
Methane: 64.3033
Ethane: 11.7275
Propane: 12.3967
I-Butane: 1.7219
N-Butane: 4.5534
I-Pentane: 0.6732
N-Pentane: 0.4614
Hexane+: 0.1775

BTU: 1438.7
GPM: 20.4800
SPG: 0.8694



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

Analysis No: DR180012
Cust No: 21300-10060

Well/Lease Information

Customer Name: D.J.R.
Well Name: BISTI GALLUP 18 #2; CSG
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Stn. No.:

API 30-045-33802

Source: CASING
Well Flowing: Y
Pressure: 144 PSIG
Flow Temp: DEG. F
Ambient Temp: 65 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 05/07/2018
Sample Time: 2.40 PM
Sampled By: J. HARTER
Sampled by (CO): COTTONWOOD

Heat Trace: N
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	2.0717	2.0885	0.2290	0.00	0.0200
CO2	0.2492	0.2512	0.0430	0.00	0.0038
Methane	57.5470	58.0134	9.8130	581.22	0.3188
Ethane	14.8761	14.9967	4.0020	263.26	0.1544
Propane	16.8314	16.9678	4.6640	423.49	0.2563
Iso-Butane	1.8975	1.9129	0.6250	61.70	0.0381
N-Butane	5.1126	5.1540	1.6210	166.79	0.1026
I-Pentane	0.6724	0.6779	0.2470	26.90	0.0168
N-Pentane	0.5348	0.5391	0.1950	21.44	0.0133
Hexane Plus	0.2073	0.2090	0.0930	10.93	0.0069
Total	100.0000	100.8105	21.5320	1555.74	0.9309

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0061
BTU/CU.FT IDEAL: 1559.3
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1568.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1541.6
DRY BTU @ 15.025: 1600.3
REAL SPECIFIC GRAVITY: 0.9362

CYLINDER #: 6212
CYLINDER PRESSURE: 139 PSIG
ANALYSIS DATE: 05/16/2018
ANALYSIS TIME: 09:56:54 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: 05/16/2018

GC Method: C6+ Gas



D.J.R.

WELL ANALYSIS COMPARISON

Lease: BISTI GALLUP 18 #2; CSG
Stn. No.:
Mtr. No.:

CASING

05/16/2018
21300-10060

Smpl Date: 05/07/2018
Test Date: 05/16/2018
Run No: DR180012

Nitrogen: 2.0717
CO2: 0.2492
Methane: 57.5470
Ethane: 14.8761
Propane: 16.8314
I-Butane: 1.8975
N-Butane: 5.1126
I-Pentane: 0.6724
N-Pentane: 0.5348
Hexane+: 0.2073

BTU: 1568.9
GPM: 21.5320
SPG: 0.9362