



NMOC
JUL 23 2018
DISTRICT III

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

Analysis No: BM180078
Cust No: 14200-11830

Well/Lease Information

Customer Name: BENSON-MONTIN-GREER DRLG.
Well Name: LA PLATA #2; BHD
County/State: SAN JUAN NM
Location: F30-32N-13W
Field:
Formation:
Cust. Stn. No.:

Source: BRADENHEAD
Well Flowing:
Pressure: 30 PSIG
Flow Temp: DEG. F
Ambient Temp: 73 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 07/12/2018
Sample Time: 11.05 AM
Sampled By: JUAN MEDRANO
Sampled by (CO): BMG

Heat Trace:
Remarks:

30-045-21847

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.5853	0.5878	0.0650	0.00	0.0057
CO2	0.5636	0.5660	0.0960	0.00	0.0086
Methane	83.1747	83.5292	14.1450	840.06	0.4607
Ethane	9.3171	9.3568	2.5000	164.88	0.0967
Propane	3.3305	3.3447	0.9200	83.80	0.0507
Iso-Butane	0.4988	0.5009	0.1640	16.22	0.0100
N-Butane	0.8679	0.8716	0.2740	28.31	0.0174
I-Pentane	0.3121	0.3134	0.1140	12.49	0.0078
N-Pentane	0.2603	0.2614	0.0950	10.43	0.0065
Hexane Plus	1.0897	1.0943	0.4870	57.44	0.0361
Total	100.0000	100.4261	18.8600	1213.64	0.7001

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0034
BTU/CU.FT IDEAL: 1216.4
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1220.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1199.4
DRY BTU @ 15.025: 1245.0
REAL SPECIFIC GRAVITY: 0.7022

CYLINDER #: 1699
CYLINDER PRESSURE: 24 PSIG
ANALYSIS DATE: 07/17/2018
ANALYSIS TIME: 04:40:37 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: 07/23/2018

GC Method: C6+ Gas

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BENSON-MONTIN-GREER DRLG.
WELL ANALYSIS COMPARISON

Lease: LA PLATA #2; BHD
Stn. No.:
Mtr. No.:

BRADENHEAD

07/23/2018
14200-11830

Smpl Date: 07/12/2018
Test Date: 07/17/2018
Run No: BM180078

Nitrogen: 0.5853
CO2: 0.5636
Methane: 83.1747
Ethane: 9.3171
Propane: 3.3305
I-Butane: 0.4988
N-Butane: 0.8679
I-Pentane: 0.3121
N-Pentane: 0.2603
Hexane+: 1.0897

BTU: 1220.6
GPM: 18.8600
SPG: 0.7022



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

Analysis No: BM180080
Cust No: 14200-11840

Well/Lease Information

Customer Name: BENSON-MONTIN-GREER DRLG.
Well Name: LA PLATA #2; TBG
County/State: SAN JUAN NM
Location: F30-32N-13W
Field:
Formation:
Cust. Stn. No.:

Source: TUBING
Well Flowing:
Pressure: 30 PSIG
Flow Temp: DEG. F
Ambient Temp: 73 DEG. F
Flow Rate: MCF/D
Sample Method:
Sample Date: 07/12/2018
Sample Time: 11.10 AM
Sampled By: JUAN MEDRANO
Sampled by (CO): BMG

Heat Trace:

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.5642	0.5638	0.0620	0.00	0.0055
CO2	0.3527	0.3525	0.0600	0.00	0.0054
Methane	79.0470	78.9970	13.4480	798.37	0.4378
Ethane	11.1328	11.1257	2.9880	197.02	0.1156
Propane	4.8452	4.8421	1.3400	121.91	0.0738
Iso-Butane	0.7471	0.7466	0.2450	24.29	0.0150
N-Butane	1.4204	1.4195	0.4490	46.34	0.0285
I-Pentane	0.4863	0.4860	0.1780	19.46	0.0121
N-Pentane	0.4076	0.4073	0.1480	16.34	0.0102
Hexane Plus	0.9967	0.9961	0.4460	52.54	0.0330
Total	100.0000	99.9366	19.3640	1276.27	0.7368

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0038
BTU/CU.FT IDEAL: 1279.2
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1284.1
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1261.8
DRY BTU @ 15.025: 1309.8
REAL SPECIFIC GRAVITY: 0.7393

CYLINDER #: 8
CYLINDER PRESSURE: 19 PSIG
ANALYSIS DATE: 07/17/2018
ANALYSIS TIME: 03:58:26 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

Last Cal/Verify: 07/23/2018

GC Method: C6+ Gas



BENSON-MONTIN-GREER DRLG.
WELL ANALYSIS COMPARISON

Lease: LA PLATA #2; TBG
Stn. No.:
Mtr. No.:

TUBING

07/23/2018
14200-11840

Smpl Date: 07/12/2018
Test Date: 07/17/2018
Run No: BM180080

Nitrogen: 0.5642
CO2: 0.3527
Methane: 79.0470
Ethane: 11.1328
Propane: 4.8452
I-Butane: 0.7471
N-Butane: 1.4204
I-Pentane: 0.4863
N-Pentane: 0.4076
Hexane+: 0.9967

BTU: 1284.1
GPM: 19.3640
SPG: 0.7393



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

Analysis No: BM180079
Cust No: 14200-11835

Well/Lease Information

Customer Name: BENSON-MONTIN-GREER DRLG.
Well Name: LA PLATA #2; CSG
County/State: SAN JUAN NM
Location: F30-32N-13W
Field:
Formation:
Cust. Stn. No.:

Source: CASING
Well Flowing:
Pressure: 30 PSIG
Flow Temp: DEG. F
Ambient Temp: 73 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 07/12/2018
Sample Time: 11.02 AM
Sampled By: JUAN MEDRANO
Sampled by (CO): BMG

Heat Trace:

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.5740	0.5772	0.0630	0.00	0.0056
CO2	0.3542	0.3562	0.0610	0.00	0.0054
Methane	79.6542	80.0956	13.5490	804.51	0.4412
Ethane	11.1544	11.2162	2.9930	197.40	0.1158
Propane	4.7535	4.7798	1.3140	119.60	0.0724
Iso-Butane	0.7075	0.7114	0.2320	23.01	0.0142
N-Butane	1.3131	1.3204	0.4150	42.84	0.0264
I-Pentane	0.4016	0.4038	0.1470	16.07	0.0100
N-Pentane	0.3305	0.3323	0.1200	13.25	0.0082
Hexane Plus	0.7570	0.7612	0.3390	39.90	0.0251
Total	100.0000	100.5541	19.2330	1256.57	0.7242

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0036
BTU/CU.FT IDEAL: 1259.5
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1264.0
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1242.0
DRY BTU @ 15.025: 1289.3
REAL SPECIFIC GRAVITY: 0.7265

CYLINDER #: 032
CYLINDER PRESSURE: 34 PSIG
ANALYSIS DATE: 07/17/2018
ANALYSIS TIME: 04:18:56 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

Last Cal/Verify: 07/23/2018

GC Method: C6+ Gas



BENSON-MONTIN-GREER DRLG.
WELL ANALYSIS COMPARISON

Lease: LA PLATA #2; CSG
Stn. No.:
Mtr. No.:

CASING

07/23/2018
14200-11835

Smpl Date: 07/12/2018
Test Date: 07/17/2018
Run No: BM180079
Nitrogen: 0.5740
CO2: 0.3542
Methane: 79.6542
Ethane: 11.1544
Propane: 4.7535
I-Butane: 0.7075
N-Butane: 1.3131
I-Pentane: 0.4016
N-Pentane: 0.3305
Hexane+: 0.7570
BTU: 1264.0
GPM: 19.2330
SPG: 0.7265