



KMOCD
JUL 23 2018
DISTRICT III

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

Analysis No: BM180082
Cust No: 14200-11850

Well/Lease Information

Customer Name: BENSON-MONTIN-GREER DRLG.
Well Name: LPMU #7; CSG
County/State: SAN JUAN NM
Location: M29-32N-13W
Field:
Formation:
Cust. Stn. No.:

Source: CASING
Well Flowing: Y
Pressure: 10 PSIG
Flow Temp: DEG. F
Ambient Temp: 71 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 07/12/2018
Sample Time: 9.38 AM
Sampled By: JUAN MEDRANO
Sampled by (CO): BMG

Heat Trace:

Remarks:

30-045-21519

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.5377	0.5299	0.0590	0.00	0.0052
CO2	0.8265	0.8146	0.1420	0.00	0.0126
Methane	75.5943	74.5022	12.8660	763.50	0.4187
Ethane	11.1068	10.9464	2.9820	196.56	0.1153
Propane	6.9405	6.8402	1.9200	174.63	0.1057
Iso-Butane	0.6998	0.6897	0.2300	22.76	0.0140
N-Butane	2.2386	2.2063	0.7090	73.03	0.0449
I-Pentane	0.4982	0.4910	0.1830	19.93	0.0124
N-Pentane	0.5081	0.5008	0.1850	20.37	0.0127
Hexane Plus	1.0495	1.0343	0.4700	55.32	0.0347
Total	100.0000	98.5554	19.7460	1326.10	0.7762

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0042
BTU/CU.FT IDEAL: 1329.2
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1334.8
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1311.6
DRY BTU @ 15.025: 1361.5
REAL SPECIFIC GRAVITY: 0.7792

CYLINDER #: 1650
CYLINDER PRESSURE: 16 PSIG
ANALYSIS DATE: 07/17/2018
ANALYSIS TIME: 04:40:04 AM
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: 07/23/2018

GC Method: C6+ Gas

4



BENSON-MONTIN-GREER DRLG.
WELL ANALYSIS COMPARISON

Lease: LPMU #7; CSG
Stn. No.:
Mtr. No.:

CASING

07/23/2018
14200-11850

Smpl Date: 07/12/2018
Test Date: 07/17/2018
Run No: BM180082

Nitrogen: 0.5377
CO2: 0.8265
Methane: 75.5943
Ethane: 11.1068
Propane: 6.9405
I-Butane: 0.6998
N-Butane: 2.2386
I-Pentane: 0.4982
N-Pentane: 0.5081
Hexane+: 1.0495

BTU: 1334.8
GPM: 19.7460
SPG: 0.7792



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

Analysis No: BM180081
Cust No: 14200-11845

Well/Lease Information

Customer Name: BENSON-MONTIN-GREER DRLG.
Well Name: LPMU #7; BHD
County/State: SAN JUAN NM
Location: M29-32N-13W
Field:
Formation:
Cust. Str. No.:

Source: BRADENHEAD
Well Flowing: Y
Pressure: 10 PSIG
Flow Temp: DEG. F
Ambient Temp: 71 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 07/12/2018
Sample Time: 9.32 AM
Sampled By: JUAN MEDRANO
Sampled by (CO): BMG

Heat Trace:

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.5557	0.5455	0.0610	0.00	0.0054
CO2	0.8200	0.8050	0.1410	0.00	0.0125
Methane	75.4203	74.0388	12.8380	761.75	0.4178
Ethane	11.0583	10.8558	2.9690	195.70	0.1148
Propane	6.8893	6.7631	1.9060	173.34	0.1049
Iso-Butane	0.6960	0.6833	0.2290	22.63	0.0140
N-Butane	2.2298	2.1890	0.7060	72.74	0.0447
I-Pentane	0.5024	0.4932	0.1840	20.10	0.0125
N-Pentane	0.5147	0.5053	0.1870	20.63	0.0128
Hexane Plus	1.3135	1.2894	0.5880	69.24	0.0435
Total	100.0000	98.1684	19.8090	1336.13	0.7828

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0043
BTU/CU.FT IDEAL: 1339.2
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1345.0
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1321.6
DRY BTU @ 15.025: 1371.9
REAL SPECIFIC GRAVITY: 0.7859

CYLINDER #: 042
CYLINDER PRESSURE: 15 PSIG
ANALYSIS DATE: 07/17/2018
ANALYSIS TIME: 04:12:55 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: 07/23/2018

GC Method: C6+ Gas



BENSON-MONTIN-GREER DRLG.
WELL ANALYSIS COMPARISON

Lease: LPMU #7; BHD
Stn. No.:
Mtr. No.:

BRADENHEAD

07/23/2018
14200-11845

Smpl Date: 07/12/2018
Test Date: 07/17/2018
Run No: BM180081
Nitrogen: 0.5557
CO2: 0.8200
Methane: 75.4203
Ethane: 11.0583
Propane: 6.8893
I-Butane: 0.6960
N-Butane: 2.2298
I-Pentane: 0.5024
N-Pentane: 0.5147
Hexane+: 1.3135
BTU: 1345.0
GPM: 19.8090
SPG: 0.7859