



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

Analysis No: BSN170004
Cust No: 14050-10010

Well/Lease Information

Customer Name: BASIN MINERALS/SGI
Well Name: FEDERAL #100 30-045- 25851
County/State: SAN JUAN
Location: WELL HEAD BRADENHEAD
Field:
Formation:
Cust. Stn. No.:

Source: BRADENHEAD
Pressure: 140 PSIG
Sample Temp: 50 DEG. F
Well Flowing: Y
Date Sampled: 04/26/2017
Sampled By: MIKE VEAZEY
Foreman/Engr.: VERN ANDREWS

OIL CONS. DIV DIST. 3
JUN 05 2017

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.159	0.0180	0.00	0.0015
CO2	0.539	0.0920	0.00	0.0082
Methane	78.483	13.3520	792.68	0.4347
Ethane	10.790	2.8960	190.95	0.1120
Propane	6.044	1.6710	152.07	0.0920
Iso-Butane	1.198	0.3930	38.96	0.0240
N-Butane	1.425	0.4510	46.49	0.0286
I-Pentane	0.456	0.1670	18.24	0.0114
N-Pentane	0.335	0.1220	13.43	0.0083
Hexane Plus	0.571	0.2560	30.10	0.0189
Total	100.000	19.4180	1282.92	0.7397

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0038
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1290.8
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1268.3
REAL SPECIFIC GRAVITY: 0.7423

GPM, BTU, and SPG calculations as shown
above are based on current GPA factors.

DRY BTU @ 14.650: 1283.8
DRY BTU @ 14.696: 1287.8
DRY BTU @ 14.730: 1290.8
DRY BTU @ 15.025: 1316.7

CYLINDER #: 5022
CYLINDER PRESSURE: 138 PSIG
DATE RUN: 5/3/17 12:00 AM
ANALYSIS RUN BY: PATRICIA KING

MAY 10 2017



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

Analysis No: BSN170005
Cust No: 14050-10030

Well/Lease Information

Customer Name: BASIN MINERALS/SGI
Well Name: FEDERAL 100; CSG 30-045- 25851
County/State: SAN JUAN NM
Location: WELLHEAD CASING
Field:
Formation:
Cust. Stn. No.:

Source: CASING
Pressure: 140 PSIG
Sample Temp: 50 DEG. F
Well Flowing: Y
Date Sampled: 04/26/2017
Sampled By: MIKE VEAZEY
Foreman/Engr.:

OIL CONS. DIV DIST. 3

JUN 05 2017

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.165	0.0180	0.00	0.0016
CO2	0.608	0.1040	0.00	0.0092
Methane	78.050	13.2800	788.31	0.4323
Ethane	10.818	2.9040	191.45	0.1123
Propane	6.136	1.6970	154.39	0.0934
Iso-Butane	1.240	0.4070	40.32	0.0249
N-Butane	1.485	0.4700	48.45	0.0298
I-Pentane	0.490	0.1800	19.60	0.0122
N-Pentane	0.365	0.1330	14.63	0.0091
Hexane Plus	0.643	0.2880	33.89	0.0213
Total	100.000	19.4810	1291.04	0.7462

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0039

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1299.1

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1276.5

REAL SPECIFIC GRAVITY: 0.7488

GPM, BTU, and SPG calculations as shown
above are based on current GPA factors.

DRY BTU @ 14.650: 1292.0

DRY BTU @ 14.696: 1296.1

DRY BTU @ 14.730: 1299.1

DRY BTU @ 15.025: 1325.1

CYLINDER #: 4068

CYLINDER PRESSURE: 141 PSIG

DATE RUN: 5/4/17 12:49 PM

ANALYSIS RUN BY: PATRICIA KING

MAY 10 2017



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

Analysis No: BSN170006
Cust No: 14050-10035

Well/Lease Information

Customer Name: BASIN MINERALS/SGI
Well Name: FEDERAL 100;TBG 30-045- 25851
County/State: SAN JUAN NM
Location: WELL HEAD TUBING
Field:
Formation:
Cust. Stn. No.:

Source: TUBING
Pressure: 140 PSIG
Sample Temp: 50 DEG. F
Well Flowing: Y
Date Sampled: 04/26/2017
Sampled By: MIKE VEAZEY
Foreman/Engr.:

OIL CONS. DIV DIST. 3
JUN 05 2017

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.254	0.0280	0.00	0.0025
CO2	0.807	0.1380	0.00	0.0123
Methane	83.064	14.1250	838.94	0.4601
Ethane	9.134	2.4500	161.65	0.0948
Propane	3.872	1.0700	97.42	0.0590
Iso-Butane	0.644	0.2110	20.94	0.0129
N-Butane	1.031	0.3260	33.63	0.0207
I-Pentane	0.343	0.1260	13.72	0.0085
N-Pentane	0.268	0.0970	10.74	0.0067
Hexane Plus	0.583	0.2610	30.73	0.0193
Total	100.000	18.8320	1207.79	0.6967

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0033

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1214.6

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1193.5

REAL SPECIFIC GRAVITY: 0.6987

GPM, BTU, and SPG calculations as shown
above are based on current GPA factors.

DRY BTU @ 14.650: 1208.0

DRY BTU @ 14.696: 1211.8

DRY BTU @ 14.730: 1214.6

DRY BTU @ 15.025: 1238.9

CYLINDER #: 4014

CYLINDER PRESSURE: 150 PSIG

DATE RUN: 5/4/17 12:51 PM

ANALYSIS RUN BY: PATRICIA KING

MAY 10 2017