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

Analysis No: DR180050
Cust No: 21300-10240

Well/Lease Information

Customer Name:	D.J.R.	Source:	BRADENHEAD
Well Name:	CENTRAL BISTI #48; BHD	Well Flowing:	N
County/State:	SAN JUAN NM	Pressure:	146 PSIG
Location:		Flow Temp:	DEG. F
Field:		Ambient Temp:	80 DEG. F
Formation:		Flow Rate:	MCF/D
Cust. Stn. No.:	API # 30-045-05369	Sample Method:	Purge & Fill
		Sample Date:	08/09/2018
		Sample Time:	11.00 AM
		Sampled By:	JACOB HARTER
Heat Trace:	N	Sampled by (CO):	COTTONWOOD
Remarks:			

Analysis

Component::	Mole%:	Unormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	2.7291	2.7500	0.3010	0.00	0.0264
CO2	0.0157	0.0158	0.0030	0.00	0.0002
Methane	96.6033	97.3436	16.4060	975.69	0.5351
Ethane	0.5345	0.5386	0.1430	9.46	0.0055
Propane	0.0782	0.0788	0.0220	1.97	0.0012
Iso-Butane	0.0272	0.0274	0.0090	0.88	0.0005
N-Butane	0.0026	0.0026	0.0010	0.08	0.0001
I-Pentane	0.0019	0.0019	0.0010	0.08	0.0000
N-Pentane	0.0000	0.0000	0.0000	0.00	0.0000
Hexane Plus	0.0075	0.0076	0.0030	0.40	0.0002
Total	100.0000	100.7663	16.8890	988.56	0.5694

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY
**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBLITY FACTOR (1/Z):	1.002	CYLINDER #:	5023
BTU/CU.FT IDEAL:	990.8	CYLINDER PRESSURE:	136 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	992.7	ANALYIS DATE:	08/16/2018
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	975.4	ANALYIS TIME:	09:40:51 AM
DRY BTU @ 15.025:	1012.6	ANALYSIS RUN BY:	RICHARD WILSON
REAL SPECIFIC GRAVITY:	0.5702		

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

3

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

Analysis No: DR180051
Cust No: 21300-10245

Well/Lease Information

Customer Name:	D.J.R.	Source:	CASING
Well Name:	CENTRAL BISTI #48; CSG	Well Flowing:	N
County/State:	SAN JUAN NM	Pressure:	11 PSIG
Location:		Flow Temp:	DEG. F
Field:		Ambient Temp:	80 DEG. F
Formation:		Flow Rate:	MCF/D
Cust. Stn. No.:	API # 30-045-05369	Sample Method:	Purge & Fill
		Sample Date:	08/09/2018
		Sample Time:	11.10 AM
		Sampled By:	JACOB HARTER
Heat Trace:	N	Sampled by (CO):	COTTONWOOD
Remarks:			

Analysis

Component::	Mole%:	Unormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	2.8899	2.8258	0.3180	0.00	0.0280
CO2	0.0169	0.0165	0.0030	0.00	0.0003
Methane	96.3377	94.1995	16.3610	973.01	0.5336
Ethane	0.5330	0.5212	0.1430	9.43	0.0055
Propane	0.0824	0.0806	0.0230	2.07	0.0013
Iso-Butane	0.0272	0.0266	0.0090	0.88	0.0005
N-Butane	0.0038	0.0037	0.0010	0.12	0.0001
I-Pentane	0.0032	0.0031	0.0010	0.13	0.0001
N-Pentane	0.0015	0.0015	0.0010	0.06	0.0000
Hexane Plus	0.1044	0.1021	0.0470	5.50	0.0035
Total	100.0000	97.7806	16.9070	991.22	0.5728

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY
**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBLITY FACTOR (1/Z):	1.002	CYLINDER #:	6136
BTU/CU.FT IDEAL:	993.5	CYLINDER PRESSURE:	10 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	995.5	ANALYIS DATE:	08/16/2018
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	978.2	ANALYIS TIME:	10:08:14 AM
DRY BTU @ 15.025:	1015.4	ANALYSIS RUN BY:	SHYANN ELLEDGE
REAL SPECIFIC GRAVITY:	0.5737		

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

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

Analysis No: DR180052
Cust No: 21300-10250

Well/Lease Information

Customer Name:	D.J.R.	Source:	TUBING
Well Name:	CENTRAL BISTI #48; TBG	Well Flowing:	N
County/State:	SAN JUAN NM	Pressure:	11 PSIG
Location:		Flow Temp:	DEG. F
Field:		Ambient Temp:	80 DEG. F
Formation:		Flow Rate:	MCF/D
Cust. Stn. No.:	API # 30-045-05369	Sample Method:	Purge & Fill
		Sample Date:	08/09/2018
		Sample Time:	11.05 AM
		Sampled By:	JACOB HARTER
Heat Trace:	N	Sampled by (CO):	COTTONWOOD
Remarks:			

Analysis

Component::	Mole%:	Unormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	2.7968	2.7248	0.3080	0.00	0.0271
CO2	0.0384	0.0374	0.0070	0.00	0.0006
Methane	94.7582	92.3180	16.0990	957.06	0.5249
Ethane	0.5294	0.5158	0.1420	9.37	0.0055
Propane	0.1065	0.1038	0.0290	2.68	0.0016
Iso-Butane	0.0456	0.0444	0.0150	1.48	0.0009
N-Butane	0.0904	0.0881	0.0290	2.95	0.0018
I-Pentane	0.0911	0.0888	0.0330	3.64	0.0023
N-Pentane	0.1325	0.1291	0.0480	5.31	0.0033
Hexane Plus	1.4111	1.3748	0.6310	74.38	0.0467
Total	100.0000	97.4250	17.3410	1056.87	0.6146

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY
**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBLITY FACTOR (1/Z):	1.0024	CYLINDER #:	4167
BTU/CU.FT IDEAL:	1059.3	CYLINDER PRESSURE:	11 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1061.9	ANALYIS DATE:	08/16/2018
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1043.4	ANALYIS TIME:	09:51:44 AM
DRY BTU @ 15.025:	1083.2	ANALYSIS RUN BY:	SHYANN ELLEDGE
REAL SPECIFIC GRAVITY:	0.6159		

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