



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

Analysis No: DR180044
Cust No: 21300-10210

Well/Lease Information

Customer Name: D.J.R.
Well Name: SOUTH BISTI 17-0-1; BHD
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Stn. No.: API # 30-045-28380

Source: BRADENHEAD
Well Flowing: N
Pressure: 13 PSIG
Flow Temp: DEG. F
Ambient Temp: 95 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 08/06/2018
Sample Time: 1.10 PM
Sampled By: JACOB HARTER
Sampled by (CO): COTTONWOOD

Heat Trace: N
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	3.6233	3.5932	0.3990	0.00	0.0350
CO2	0.0081	0.0080	0.0010	0.00	0.0001
Methane	95.7049	94.9094	16.2520	966.62	0.5301
Ethane	0.5330	0.5286	0.1430	9.43	0.0055
Propane	0.0855	0.0848	0.0240	2.15	0.0013
Iso-Butane	0.0331	0.0328	0.0110	1.08	0.0007
N-Butane	0.0032	0.0032	0.0010	0.10	0.0001
I-Pentane	0.0065	0.0064	0.0020	0.26	0.0002
N-Pentane	0.0000	0.0000	0.0000	0.00	0.0000
Hexane Plus	0.0024	0.0024	0.0010	0.13	0.0001
Total	100.0000	99.1688	16.8340	979.77	0.5731

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0019
BTU/CU.FT IDEAL: 982.0
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 983.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 966.8
DRY BTU @ 15.025: 1003.6
REAL SPECIFIC GRAVITY: 0.5739

CYLINDER #: 4069
CYLINDER PRESSURE: 10 PSIG
ANALYSIS DATE: 08/13/2018
ANALYSIS TIME: 10:36:15 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: 08/17/2018

GC Method: C6+ Gas

NMOC

SEP 10 2018

DISTRICT III

2



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

Analysis No: DR180045
Cust No: 21300-10215

Well/Lease Information

Customer Name: D.J.R.
Well Name: SOUTH BISTI 17-0-1; CSG
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Stn. No.: API # 30-045-28380

Source: CASING
Well Flowing: N
Pressure: 1 PSIG
Flow Temp: DEG. F
Ambient Temp: 95 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 08/06/2018
Sample Time: 1.00 PM
Sampled By: JACOB HARTER
Sampled by (CO): COTTONWOOD

Heat Trace: N
Remarks: PRESSURED WITH HELIUM TO 30LBS.

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	9.9211	2.6984	1.0990	0.00	0.0960
CO2	0.0904	0.0246	0.0160	0.00	0.0014
Methane	60.6111	16.4854	10.3460	612.17	0.3357
Ethane	5.6984	1.5499	1.5340	100.84	0.0592
Propane	7.5691	2.0587	2.1000	190.45	0.1152
Iso-Butane	1.5276	0.4155	0.5030	49.68	0.0307
N-Butane	5.2896	1.4387	1.6790	172.56	0.1062
I-Pentane	1.7335	0.4715	0.6380	69.36	0.0432
N-Pentane	1.7968	0.4887	0.6560	72.03	0.0448
Hexane Plus	5.7624	1.5673	2.5870	303.74	0.1907
Total	100.0000	27.1987	21.1580	1570.83	1.0229

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0071
BTU/CU.FT IDEAL: 1574.5
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1585.7
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1558.1
DRY BTU @ 15.025: 1617.5
REAL SPECIFIC GRAVITY: 1.0298

CYLINDER #: 6010
CYLINDER PRESSURE: PSIG
ANALYSIS DATE: 08/13/2018
ANALYSIS TIME: 10:32:15 AM
ANALYSIS RUN BY: PATRICIA KING

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: 08/17/2018

GC Method: C6+ Gas

NMOC

SEP 10 2018

DISTRICT III