



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

Analysis No: DR180026
Cust No: 21300-10130

Well/Lease Information

Customer Name: D.J.R.
Well Name: BISTI COAL 28 #1;TBG
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Stn. No.: API 3004528561

Source: TUBING
Well Flowing: Y
Pressure: 100 PSIG
Flow Temp: DEG. F
Ambient Temp: 90 DEG. F
Flow Rate: MCF/D
Sample Method:
Sample Date: 07/02/2018
Sample Time: 11.20 AM
Sampled By: J. HARTER
Sampled by (CO): COTTONWOOD

Heat Trace: N
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.9349	0.9413	0.1030	0.00	0.0090
CO2	0.7517	0.7569	0.1290	0.00	0.0114
Methane	92.6632	93.3015	15.7400	935.90	0.5133
Ethane	5.6476	5.6865	1.5130	99.95	0.0586
Propane	0.0026	0.0026	0.0010	0.07	0.0000
Iso-Butane	0.0000	0.0000	0.0000	0.00	0.0000
N-Butane	0.0000	0.0000	0.0000	0.00	0.0000
I-Pentane	0.0000	0.0000	0.0000	0.00	0.0000
N-Pentane	0.0000	0.0000	0.0000	0.00	0.0000
Hexane Plus	0.0000	0.0000	0.0000	0.00	0.0000
Total	100.0000	100.6888	17.4860	1035.91	0.5924

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0022
BTU/CU.FT IDEAL: 1038.3
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1040.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1022.5
DRY BTU @ 15.025: 1061.4
REAL SPECIFIC GRAVITY: 0.5935

CYLINDER #: 6203
CYLINDER PRESSURE: 95 PSIG
ANALYSIS DATE: 07/16/2018
ANALYSIS TIME: 03:25:56 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: 07/19/2018

GC Method: C6+ Gas

1-1-13
03-11-13
DISTRICT III



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

Analysis No: DR180025
Cust No: 21300-10125

Well/Lease Information

Customer Name: D.J.R.
Well Name: BISTI COAL 28 #1;CSG
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Stn. No.: API 3004528561

Source: CASING
Well Flowing:
Pressure: 100 PSIG
Flow Temp: DEG. F
Ambient Temp: 90 DEG. F
Flow Rate: MCF/D
Sample Method:
Sample Date: 07/02/2018
Sample Time: 11.25 AM
Sampled By: J. HARTER
Sampled by (CO): COTTONWOOD

Heat Trace:
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.9694	0.9515	0.1070	0.00	0.0094
CO2	0.7502	0.7363	0.1280	0.00	0.0114
Methane	92.6175	90.9041	15.7320	935.44	0.5130
Ethane	5.6595	5.5548	1.5170	100.16	0.0588
Propane	0.0034	0.0033	0.0010	0.09	0.0001
Iso-Butane	0.0000	0.0000	0.0000	0.00	0.0000
N-Butane	0.0000	0.0000	0.0000	0.00	0.0000
I-Pentane	0.0000	0.0000	0.0000	0.00	0.0000
N-Pentane	0.0000	0.0000	0.0000	0.00	0.0000
Hexane Plus	0.0000	0.0000	0.0000	0.00	0.0000
Total	100.0000	98.1500	17.4850	1035.68	0.5926

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0022
BTU/CU.FT IDEAL: 1038.1
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1040.4
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1022.3
DRY BTU @ 15.025: 1061.2
REAL SPECIFIC GRAVITY: 0.5937

CYLINDER #: 5011
CYLINDER PRESSURE: 97 PSIG
ANALYSIS DATE: 07/16/2018
ANALYSIS TIME: 03:25:44 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: 07/19/2018

GC Method: C6+ Gas



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

Analysis No: DR180024
Cust No: 21300-10120

Well/Lease Information

Customer Name: D.J.R.
Well Name: BISTI COAL 28 #1; BHD
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Stn. No.: API 3004528561

Source: BRADENHEAD
Well Flowing:
Pressure: 100 PSIG
Flow Temp: DEG. F
Ambient Temp: 90 DEG. F
Flow Rate: MCF/D
Sample Method:
Sample Date: 07/02/2018
Sample Time: 11.30 AM
Sampled By: J. HARTER
Sampled by (CO): COTTONWOOD

Heat Trace:
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.9595	0.9644	0.1060	0.00	0.0093
CO2	0.7495	0.7533	0.1280	0.00	0.0114
Methane	92.6437	93.1163	15.7360	935.70	0.5132
Ethane	5.6446	5.6734	1.5130	99.89	0.0586
Propane	0.0027	0.0027	0.0010	0.07	0.0000
Iso-Butane	0.0000	0.0000	0.0000	0.00	0.0000
N-Butane	0.0000	0.0000	0.0000	0.00	0.0000
I-Pentane	0.0000	0.0000	0.0000	0.00	0.0000
N-Pentane	0.0000	0.0000	0.0000	0.00	0.0000
Hexane Plus	0.0000	0.0000	0.0000	0.00	0.0000
Total	100.0000	100.5101	17.4840	1035.66	0.5925

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0022
BTU/CU.FT IDEAL: 1038.1
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1040.3
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1022.2
DRY BTU @ 15.025: 1061.1
REAL SPECIFIC GRAVITY: 0.5935

CYLINDER #: 4215
CYLINDER PRESSURE: 93 PSIG
ANALYSIS DATE: 07/16/2018
ANALYSIS TIME: 03:10:16 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: 07/19/2018

GC Method: C6+ Gas