



NMOCB

FEB 20 2019

DISTRICT III

2030 Afton Place
Farmington, NM 87401
(505) 325-6622Analysis No: DR190025
Cust No: 21300-10410**Well/Lease Information**Customer Name: D.J.R.
Well Name: AXI APACHE D 2; TBG
County/State: RIO ARRIBA NM
Location:
Lease/PA/CA:
Formation:
Cust. Stn. No.: API # 30-039-05343Source: TUBING
Well Flowing: Y
Pressure: 41 PSIG
Flow Temp: DEG. F
Ambient Temp: 35 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 12/11/2019
Sample Time: 9.10 AM
Sampled By: J. HARTER
Sampled by (CO): COTTONWOODHeat Trace: N
Remarks:**Analysis**

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.9572	1.9808	0.2160	0.00	0.0189
CO2	0.0702	0.0710	0.0120	0.00	0.0011
Methane	81.0570	82.0352	13.7860	818.68	0.4490
Ethane	7.7373	7.8307	2.0760	136.93	0.0803
Propane	5.1279	5.1898	1.4170	129.02	0.0781
Iso-Butane	1.2955	1.3111	0.4250	42.13	0.0260
N-Butane	1.3135	1.3293	0.4150	42.85	0.0264
I-Pentane	0.5325	0.5389	0.1950	21.30	0.0133
N-Pentane	0.3145	0.3183	0.1140	12.61	0.0078
Hexane Plus	0.5944	0.6016	0.2660	31.33	0.0197
Total	100.0000	101.2067	18.9220	1234.85	0.7205

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0035
BTU/CU.FT IDEAL: 1237.7
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1242.1
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1220.5
DRY BTU @ 15.025: 1267.0
REAL SPECIFIC GRAVITY: 0.7227CYLINDER #: 4128
CYLINDER PRESSURE: 40 PSIG
ANALYSIS DATE: 12/17/2019
ANALYSIS TIME: 01:59:32 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: 12/18/2019

GC Method: C6+ Gas



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

Analysis No: DR190024
Cust No: 21300-10405

Well/Lease Information

Customer Name: D.J.R.
Well Name: AXI APACHE D 2; CSG
County/State: RIO ARRIBA NM
Location:
Lease/PA/CA:
Formation:
Cust. Str. No.: API # 30-039-05343

Source: CASING
Well Flowing: Y
Pressure: 76 PSIG
Flow Temp: DEG. F
Ambient Temp: 35 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 12/11/2019
Sample Time: 9.15 AM
Sampled By: J. HARTER
Sampled by (CO):

Heat Trace: N

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.9703	1.9858	0.2170	0.00	0.0191
CO2	0.0712	0.0718	0.0120	0.00	0.0011
Methane	81.2244	81.8637	13.8130	820.37	0.4499
Ethane	7.7017	7.7623	2.0660	136.30	0.0800
Propane	5.0516	5.0914	1.3960	127.10	0.0769
Iso-Butane	1.2812	1.2913	0.4210	41.66	0.0257
N-Butane	1.3132	1.3235	0.4150	42.84	0.0264
I-Pentane	0.5414	0.5457	0.1990	21.66	0.0135
N-Pentane	0.3212	0.3237	0.1170	12.88	0.0080
Hexane Plus	0.5238	0.5279	0.2340	27.61	0.0173
Total	100.0000	100.7871	18.8900	1230.42	0.7178

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0034
BTU/CU.FT IDEAL: 1233.3
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1237.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1216.0
DRY BTU @ 15.025: 1262.3
REAL SPECIFIC GRAVITY: 0.72

CYLINDER #: 6095
CYLINDER PRESSURE: 81 PSIG
ANALYSIS DATE: 12/17/2019
ANALYSIS TIME: 01:25:13 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: 12/18/2019

GC Method: C6+ Gas



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

Analysis No: DR190023
Cust No: 21300-10400

Well/Lease Information

Customer Name: D.J.R.
Well Name: AXI APACHE D 2; BHD
County/State: RIO ARRIBA NM
Location:
Lease/PA/CA:
Formation:
Cust. Str. No.: API # 30-039-05343

Source: BRADENHEAD
Well Flowing: Y
Pressure: 76 PSIG
Flow Temp: DEG. F
Ambient Temp: 35 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 12/11/2019
Sample Time: 9.20 AM
Sampled By: J. HARTER
Sampled by (CO): COTTONWOOD

Heat Trace: N
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.8869	1.9104	0.2080	0.00	0.0183
CO2	0.0662	0.0670	0.0110	0.00	0.0010
Methane	81.3001	82.3135	13.8260	821.13	0.4503
Ethane	7.7215	7.8177	2.0720	136.65	0.0802
Propane	5.0974	5.1609	1.4090	128.26	0.0776
Iso-Butane	1.2853	1.3013	0.4220	41.80	0.0258
N-Butane	1.3053	1.3216	0.4130	42.58	0.0262
I-Pentane	0.5343	0.5410	0.1960	21.38	0.0133
N-Pentane	0.3162	0.3201	0.1150	12.68	0.0079
Hexane Plus	0.4868	0.4929	0.2180	25.66	0.0161
Total	100.0000	101.2464	18.8900	1230.13	0.7166

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0034
BTU/CU.FT IDEAL: 1233.0
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1237.2
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1215.7
DRY BTU @ 15.025: 1262.0
REAL SPECIFIC GRAVITY: 0.7188

CYLINDER #: 4065
CYLINDER PRESSURE: 78 PSIG
ANALYSIS DATE: 12/17/2019
ANALYSIS TIME: 01:41:50 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: 12/18/2019

GC Method: C6+ Gas