



NMOCB
DEC 20 2019
DISTRICT III

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

Analysis No: DR190031
Cust No: 21300-10440

Well/Lease Information

Customer Name: D.J.R.
Well Name: CHACON AMIGOS 6; TBG
County/State: SANDOVAL NM
Location:
Lease/PA/CA:
Formation:
Cust. Stn. No.: API # 30-043-20513

Source: TUBING
Well Flowing:
Pressure: 194 PSIG
Flow Temp: DEG. F
Ambient Temp: 40 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 12/13/2019
Sample Time: 12.10 PM
Sampled By: J. HARTER
Sampled by (CO): COTTONWOOD

Heat Trace: N
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.1736	1.1992	0.1300	0.00	0.0114
CO2	0.4885	0.4992	0.0840	0.00	0.0074
Methane	69.6561	71.1781	11.8550	703.53	0.3858
Ethane	17.2349	17.6115	4.6270	305.01	0.1789
Propane	7.9536	8.1274	2.2000	200.12	0.1211
Iso-Butane	0.9065	0.9263	0.2980	29.48	0.0182
N-Butane	1.6478	1.6838	0.5220	53.76	0.0331
I-Pentane	0.3307	0.3379	0.1210	13.23	0.0082
N-Pentane	0.2099	0.2145	0.0760	8.41	0.0052
Hexane Plus	0.3984	0.4071	0.1780	21.00	0.0132
Total	100.0000	102.1850	20.0910	1334.53	0.7825

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0042
BTU/CU.FT IDEAL: 1337.6
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1343.3
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1319.9
DRY BTU @ 15.025: 1370.2
REAL SPECIFIC GRAVITY: 0.7855

CYLINDER #: 6097
CYLINDER PRESSURE: 193 PSIG
ANALYSIS DATE: 12/17/2019
ANALYSIS TIME: 11:20:11 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: DR190030
Cust No: 21300-10435

Well/Lease Information

Customer Name: D.J.R.
Well Name: CHACON AMIGOS 6; CSG
County/State: SANDOVAL NM
Location:
Lease/PA/CA:
Formation:
Cust. Str. No.: API # 30-043-20513

Source: CASING
Well Flowing:
Pressure: 202 PSIG
Flow Temp: DEG. F
Ambient Temp: 40 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 12/13/2019
Sample Time: 12.15 PM
Sampled By: J. HARTER
Sampled by (CO): COTTONWOOD

Heat Trace: N
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.1936	1.2031	0.1320	0.00	0.0115
CO2	0.1336	0.1347	0.0230	0.00	0.0020
Methane	66.8291	67.3593	11.3800	674.97	0.3702
Ethane	17.5267	17.6657	4.7080	310.17	0.1820
Propane	9.3711	9.4454	2.5930	235.79	0.1427
Iso-Butane	1.2596	1.2696	0.4140	40.96	0.0253
N-Butane	2.4050	2.4241	0.7620	78.46	0.0483
I-Pentane	0.6110	0.6158	0.2240	24.45	0.0152
N-Pentane	0.4790	0.4828	0.1740	19.20	0.0119
Hexane Plus	0.1913	0.1928	0.0860	10.08	0.0063
Total	100.0000	100.7933	20.4960	1394.08	0.8154

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0047
BTU/CU.FT IDEAL: 1397.3
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1403.8
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1379.4
DRY BTU @ 15.025: 1431.9
REAL SPECIFIC GRAVITY: 0.8188

CYLINDER #: 6191
CYLINDER PRESSURE: 198 PSIG
ANALYSIS DATE: 12/17/2019
ANALYSIS TIME: 11:11:21 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: 12/18/2019

GC Method: C6+ Gas



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

Analysis No: DR190029
Cust No: 21300-10430

Well/Lease Information

Customer Name: D.J.R.
Well Name: CHACON AMIGOS 6; BHD
County/State: SANDOVAL NM
Location:
Lease/PA/CA:
Formation:
Cust. Str. No.: API # 30-043-20513

Source: BRADENHEAD
Well Flowing:
Pressure: 47 PSIG
Flow Temp: DEG. F
Ambient Temp: 40 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 12/13/2019
Sample Time: 12.20 PM
Sampled By: J. HARTER
Sampled by (CO): COTTONWOOD

Heat Trace: N

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.1299	1.1393	0.1250	0.00	0.0109
CO2	0.1347	0.1358	0.0230	0.00	0.0020
Methane	67.1013	67.6572	11.4260	677.72	0.3717
Ethane	17.4963	17.6412	4.7000	309.63	0.1816
Propane	9.1348	9.2105	2.5280	229.84	0.1391
Iso-Butane	1.2241	1.2342	0.4020	39.81	0.0246
N-Butane	2.3711	2.3907	0.7510	77.35	0.0476
I-Pentane	0.6336	0.6388	0.2330	25.35	0.0158
N-Pentane	0.5146	0.5189	0.1870	20.63	0.0128
Hexane Plus	0.2596	0.2618	0.1160	13.68	0.0086
Total	100.0000	100.8284	20.4910	1394.02	0.8147

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0047
BTU/CU.FT IDEAL: 1397.2
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1403.7
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1379.3
DRY BTU @ 15.025: 1431.8
REAL SPECIFIC GRAVITY: 0.8182

CYLINDER #: 6198
CYLINDER PRESSURE: 56 PSIG
ANALYSIS DATE: 12/17/2019
ANALYSIS TIME: 11:30:53 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: 12/18/2019

GC Method: C6+ Gas