



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

Analysis No: DR190003
Cust No: 21300-10300

Well/Lease Information

Customer Name: D.J.R.
Well Name: CHACON AMIGOS #2; TBG
County/State: SANDOVAL NM
Location:
Lease/PA/CA:
Formation:
Cust. Str. No.: API # 30-043-20490

Source: TUBING
Well Flowing: N
Pressure: 27 PSIG
Flow Temp: DEG. F
Ambient Temp: 75 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 04/19/2019
Sample Time: 1.55 PM
Sampled By: J. HARTER
Sampled by (CO): COTTONWOOD

Heat Trace: N

Remarks:

WMOCD
NOV 21 2019
DISTRICT III

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	2.1120	2.0669	0.2330	0.00	0.0204
CO2	0.0235	0.0230	0.0040	0.00	0.0004
Methane	74.2245	72.6411	12.6350	749.67	0.4111
Ethane	10.7190	10.4904	2.8790	189.69	0.1113
Propane	6.8149	6.6695	1.8850	171.47	0.1038
Iso-Butane	1.3803	1.3509	0.4540	44.89	0.0277
N-Butane	2.0553	2.0115	0.6510	67.05	0.0412
I-Pentane	0.6765	0.6621	0.2480	27.07	0.0169
N-Pentane	0.4937	0.4832	0.1800	19.79	0.0123
Hexane Plus	1.5003	1.4683	0.6720	79.08	0.0497
Total	100.0000	97.8669	19.8410	1348.71	0.7947

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0044
BTU/CU.FT IDEAL: 1351.8
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1357.8
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1334.2
DRY BTU @ 15.025: 1385.0
REAL SPECIFIC GRAVITY: 0.7979

CYLINDER #: 6161
CYLINDER PRESSURE: 25 PSIG
ANALYSIS DATE: 05/08/2019
ANALYSIS TIME: 03:42:27 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

GC Method: C6+ Gas

Last Cal/Verify: 05/14/2019



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

Analysis No: DR190002
Cust No: 21300-10295

Well/Lease Information

Customer Name: D.J.R.
Well Name: CHACON AMIGOS #2; CSG
County/State: SANDOVAL NM
Location:
Lease/PA/CA:
Formation:
Cust. Stn. No.: API # 30-043-20490

Source: CASING
Well Flowing: N
Pressure: 34 PSIG
Flow Temp: DEG. F
Ambient Temp: 75 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 04/19/2019
Sample Time: 2.05 PM
Sampled By: J. HARTER
Sampled by (CO): COTTONWOOD

Heat Trace: N

Remarks:

WMOCD
NOV 21 2019
DISTRICT III

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	2.8837	2.8184	0.3180	0.00	0.0279
CO2	0.0276	0.0270	0.0050	0.00	0.0004
Methane	78.2990	76.5267	13.3240	790.82	0.4337
Ethane	8.4792	8.2873	2.2760	150.06	0.0880
Propane	5.0586	4.9441	1.3990	127.28	0.0770
Iso-Butane	0.9576	0.9359	0.3150	31.14	0.0192
N-Butane	1.2617	1.2331	0.3990	41.16	0.0253
I-Pentane	0.4522	0.4420	0.1660	18.09	0.0113
N-Pentane	0.3491	0.3412	0.1270	13.99	0.0087
Hexane Plus	2.2313	2.1808	0.9990	117.61	0.0738
Total	100.0000	97.7365	19.3280	1290.16	0.7654

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.004
BTU/CU.FT IDEAL: 1293.1
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1298.3
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1275.7
DRY BTU @ 15.025: 1324.3
REAL SPECIFIC GRAVITY: 0.7682

CYLINDER #: 6116
CYLINDER PRESSURE: 30 PSIG
ANALYSIS DATE: 05/08/2019
ANALYSIS TIME: 03:26:38 PM
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

GC Method: C6+ Gas

Last Cal/Verify: 05/14/2019



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

Analysis No: DR190001
Cust No: 21300-10290

Well/Lease Information

Customer Name: D.J.R.
Well Name: CHACON AMIGOS #2; BHD
County/State: SANDOVAL NM
Location:
Lease/PA/CA:
Formation:
Cust. Stn. No.: API # 30-043-20490

Source: BRADENHEAD
Well Flowing: N
Pressure: 33 PSIG
Flow Temp: DEG. F
Ambient Temp: 75 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 04/19/2019
Sample Time: 2.15 PM
Sampled By: J. HARTER
Sampled by (CO): COTTONWOOD

Heat Trace: N
Remarks:

NMOC
NOV 21 2019
DISTRICT III

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	2.5481	2.5061	0.2810	0.00	0.0246
CO2	0.0133	0.0131	0.0020	0.00	0.0002
Methane	80.2765	78.9523	13.6530	810.79	0.4447
Ethane	8.6020	8.4601	2.3080	152.23	0.0893
Propane	4.9562	4.8744	1.3700	124.70	0.0755
Iso-Butane	0.8963	0.8815	0.2940	29.15	0.0180
N-Butane	1.1464	1.1275	0.3630	37.40	0.0230
I-Pentane	0.3698	0.3637	0.1360	14.80	0.0092
N-Pentane	0.2725	0.2680	0.0990	10.92	0.0068
Hexane Plus	0.9189	0.9037	0.4110	48.44	0.0304
Total	100.0000	98.3504	18.9170	1228.43	0.7217

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0035
BTU/CU.FT IDEAL: 1231.3
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1235.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1214.1
DRY BTU @ 15.025: 1260.3
REAL SPECIFIC GRAVITY: 0.7239

CYLINDER #: 6110
CYLINDER PRESSURE: 30 PSIG
ANALYSIS DATE: 05/09/2019
ANALYSIS TIME: 04:18:44 PM
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

GC Method: C6+ Gas

Last Cal/Verify: 05/14/2019