



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

Analysis No: HS190190
Cust No: 35825-11700

Well/Lease Information

Customer Name: HILCORP (BHD PROJECT)
Well Name: MOUNTAIN UTE GAS COM C #2; BHD
County/State: SAN JUAN NM
Location:
Lease/PA/CA:
Formation: DK
Cust. Stn. No.: 35828303

Source: BRADENHEAD
Well Flowing: N
Pressure: 79 PSIG
Flow Temp: 107 DEG. F
Ambient Temp: 98 DEG. F
Flow Rate: 0 MCF/D
Sample Method: Purge & Fill
Sample Date: 07/18/2019
Sample Time: 12.00 PM
Sampled By: KALAN DIBBLE
Sampled by (CO): HILCORP

API 3004529416
AREA 2 / RUN 200
Heat Trace: N
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.0673	1.0597	0.1180	0.00	0.0103
CO2	0.0107	0.0106	0.0020	0.00	0.0002
Methane	80.4841	79.9114	13.6870	812.89	0.4458
Ethane	9.9210	9.8504	2.6620	175.57	0.1030
Propane	5.6207	5.5807	1.5530	141.42	0.0856
Iso-Butane	0.5363	0.5325	0.1760	17.44	0.0108
N-Butane	1.5061	1.4954	0.4760	49.13	0.0302
I-Pentane	0.2992	0.2971	0.1100	11.97	0.0075
N-Pentane	0.2693	0.2674	0.0980	10.80	0.0067
Hexane Plus	0.2853	0.2833	0.1280	15.04	0.0094
Total	100.0000	99.2885	19.0100	1234.26	0.7095

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0034
BTU/CU.FT IDEAL: 1237.1
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1241.3
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1219.7
DRY BTU @ 15.025: 1266.2
REAL SPECIFIC GRAVITY: 0.7116

CYLINDER #: 6163
CYLINDER PRESSURE: 43 PSIG
ANALYSIS DATE: 07/31/2019
ANALYSIS TIME: 02:46:41 AM
ANALYSIS RUN BY: Celia Lobato

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: 08/01/2019

NMOC

AUG 15 2019

DISTRICT III



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease:	MOUNTAIN UTE GAS COM C #2; BHD	BRADENHEAD	08/01/2019
Stn. No.:	35828303	DK	35825-11700
Mtr. No.:			

Smpl Date:	07/18/2019
Test Date:	07/31/2019
Run No:	HS190190
Nitrogen:	1.0673
CO2:	0.0107
Methane:	80.4841
Ethane:	9.9210
Propane:	5.6207
I-Butane:	0.5363
N-Butane:	1.5061
I-Pentane:	0.2992
N-Pentane:	0.2693
Hexane+:	0.2853
BTU:	1241.3
GPM:	19.0100
SPG:	0.7116



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

Analysis No: HS190191
Cust No: 35825-11705

Well/Lease Information

Customer Name: HILCORP (BHD PROJECT)
Well Name: MOUNTAIN UTE GAS COM C #2; CSG
County/State: SAN JUAN NM
Location:
Lease/PA/CA:
Formation: DK
Cust. Stn. No.: 35828303

API 3004529416
AREA 2 / RUN 200
Heat Trace: N
Remarks:

Source: CASING
Well Flowing: N
Pressure: 79 PSIG
Flow Temp: 107 DEG. F
Ambient Temp: 98 DEG. F
Flow Rate: 0 MCF/D
Sample Method: Purge & Fill
Sample Date: 07/18/2019
Sample Time: 12.00 PM
Sampled By: KALAN DIBBLE
Sampled by (CO): HILCORP

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.8705	0.8582	0.0960	0.00	0.0084
CO2	0.3964	0.3908	0.0680	0.00	0.0060
Methane	83.9312	82.7442	14.2720	847.71	0.4649
Ethane	7.9080	7.7962	2.1210	139.95	0.0821
Propane	3.6741	3.6221	1.0150	92.44	0.0559
Iso-Butane	0.6415	0.6324	0.2110	20.86	0.0129
N-Butane	1.0598	1.0448	0.3350	34.57	0.0213
I-Pentane	0.3866	0.3811	0.1420	15.47	0.0096
N-Pentane	0.3328	0.3281	0.1210	13.34	0.0083
Hexane Plus	0.7991	0.7878	0.3570	42.12	0.0264
Total	100.0000	98.5857	18.7380	1206.46	0.6959

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0033
BTU/CU.FT IDEAL: 1209.3
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1213.3
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1192.2
DRY BTU @ 15.025: 1237.6
REAL SPECIFIC GRAVITY: 0.6979

CYLINDER #: 7047
CYLINDER PRESSURE: 50 PSIG
ANALYSIS DATE: 07/31/2019
ANALYSIS TIME: 02:30:23 AM
ANALYSIS RUN BY: Celia Lobato

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: 08/01/2019



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease:	MOUNTAIN UTE GAS COM C #2; CSG	CASING	08/01/2019
Stn. No.:	35828303	DK	35825-11705
Mtr. No.:			

Smpl Date: 07/18/2019
Test Date: 07/31/2019
Run No: HS190191

Nitrogen: 0.8705
CO2: 0.3964
Methane: 83.9312
Ethane: 7.9080
Propane: 3.6741
I-Butane: 0.6415
N-Butane: 1.0598
I-Pentane: 0.3866
N-Pentane: 0.3328
Hexane+: 0.7991

BTU: 1213.3
GPM: 18.7380
SPG: 0.6979