



NMOCD REC'D
10/6/20

Well Name: MICHENER LS 2; BHD
API #: API #3004507493
Source: BRADENHEAD
Sample Type: GAS
Analysis No: HS200280
Cust No: 35825-13255

Well/Lease Information

Customer Name: HILCORP (BHD PROJECT)
Well Name: MICHENER LS 2; BHD
County/State: SAN JUAN NM
Location:
Lease/PA/CA:
Formation: PC
Cust. Stn. No.: API #3004507493
71-365-01

Source: BRADENHEAD
Well Flowing: N
Pressure: 26 PSIG
Flow Temp: DEG. F
Ambient Temp: 56 DEG. F
Flow Rate: 0 MCF/D
Sample Method: Purge & Fill
Sample Date: 09/14/2020
Sample Time: 9.00 AM
Sampled By: CHAD MAGEE
Sampled by (CO):

Heat Trace: AREA 8 / RUN 805

Remarks: N

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.2217	0.2198	0.0240	0.00	0.0021
CO2	0.4972	0.4929	0.0850	0.00	0.0076
Methane	88.5980	87.8231	15.0600	894.84	0.4907
Ethane	5.8601	5.8089	1.5710	103.71	0.0608
Propane	2.6321	2.6091	0.7270	66.23	0.0401
Iso-Butane	0.5246	0.5200	0.1720	17.06	0.0105
N-Butane	0.6771	0.6712	0.2140	22.09	0.0136
I-Pentane	0.2568	0.2546	0.0940	10.27	0.0064
N-Pentane	0.1773	0.1757	0.0640	7.11	0.0044
Hexane Plus	0.5551	0.5502	0.2480	29.26	0.0184
Total	100.0000	99.1255	18.2590	1150.56	0.6547

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0029
BTU/CU.FT IDEAL: 1153.2
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1156.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1136.5
DRY BTU @ 15.025: 1179.8
REAL SPECIFIC GRAVITY: 0.6563

CYLINDER #: 4139
CYLINDER PRESSURE: 25 PSIG
ANALYSIS DATE: 09/15/2020
ANALYSIS TIME: 03:23:21 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

Last Cal/Verify: 09/18/2020

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease: MICHENER LS 2; BHD
Stn. No.: API #3004507493
Mtr. No.: 71-365-01

BRADENHEAD
PC

09/18/2020
35825-13255

Smpl Date: 09/14/2020
Test Date: 09/15/2020
Run No: HS200280

Nitrogen: 0.2217
CO2: 0.4972
Methane: 88.5980
Ethane: 5.8601
Propane: 2.6321
I-Butane: 0.5246
N-Butane: 0.6771
I-Pentane: 0.2568
N-Pentane: 0.1773
Hexane+: 0.5551

BTU: 1156.6
GPM: 18.2590
SPG: 0.6563



Well Name: MICHENER LS 2; CSG
 API #: API #3004507493
 Source: CASING
 Sample Type: GAS
 Analysis No: HS200281
 Cust No: 35825-13260

Well/Lease Information

Customer Name:	HILCORP (BHD PROJECT)	Source:	CASING
Well Name:	MICHENER LS 2; CSG	Well Flowing:	N
County/State:	SAN JUAN NM	Pressure:	74 PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:		Ambient Temp:	56 DEG. F
Formation:	PC	Flow Rate:	0 MCF/D
Cust. Stn. No.:	API #3004507493	Sample Method:	Purge & Fill
	71-365-01	Sample Date:	09/14/2020
	AREA 8 / RUN 805	Sample Time:	8.45 AM
Heat Trace:	N	Sampled By:	CHAD MAGEE
Remarks:		Sampled by (CO):	

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1660	0.1658	0.0180	0.00	0.0016
CO2	0.5031	0.5024	0.0860	0.00	0.0076
Methane	88.6535	88.5314	15.0690	895.40	0.4911
Ethane	5.8472	5.8392	1.5680	103.48	0.0607
Propane	2.6158	2.6122	0.7230	65.82	0.0398
Iso-Butane	0.5243	0.5236	0.1720	17.05	0.0105
N-Butane	0.6778	0.6769	0.2140	22.11	0.0136
I-Pentane	0.2607	0.2603	0.0960	10.43	0.0065
N-Pentane	0.1801	0.1799	0.0650	7.22	0.0045
Hexane Plus	0.5715	0.5707	0.2560	30.12	0.0189
Total	100.0000	99.8624	18.2670	1151.63	0.6549

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0029	CYLINDER #:	6117
BTU/CU.FT IDEAL:	1154.3	CYLINDER PRESSURE:	75 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1157.7	ANALYSIS DATE:	09/15/2020
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1137.6	ANALYSIS TIME:	03:40:22 PM
DRY BTU @ 15.025:	1180.9	ANALYSIS RUN BY:	RICHARD WILSON
REAL SPECIFIC GRAVITY:	0.6565		

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: 09/18/2020

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease: MICHENER LS 2; CSG
Stn. No.: API #3004507493
Mtr. No.: 71-365-01

CASING
PC

09/18/2020
35825-13260

Smpl Date: 09/14/2020
Test Date: 09/15/2020
Run No: HS200281

Nitrogen: 0.1660
CO2: 0.5031
Methane: 88.6535
Ethane: 5.8472
Propane: 2.6158
I-Butane: 0.5243
N-Butane: 0.6778
I-Pentane: 0.2607
N-Pentane: 0.1801
Hexane+: 0.5715

BTU: 1157.7
GPM: 18.2670
SPG: 0.6565



Well Name: MICHENER LS 2; TBG
 API #: API #3004507493
 Source: TUBING
 Sample Type: GAS
 Analysis No: HS200282
 Cust No: 35825-13265

Well/Lease Information

Customer Name:	HILCORP (BHD PROJECT)	Source:	TUBING
Well Name:	MICHENER LS 2; TBG	Well Flowing:	N
County/State:	SAN JUAN NM	Pressure:	74 PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:		Ambient Temp:	56 DEG. F
Formation:	PC	Flow Rate:	0 MCF/D
Cust. Stn. No.:	API #3004507493	Sample Method:	Purge & Fill
	71-365-01	Sample Date:	09/14/2020
	AREA 8 / RUN 805	Sample Time:	8.30 AM
Heat Trace:	N	Sampled By:	CHAD MAGEE
Remarks:		Sampled by (CO):	

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1705	0.1701	0.0190	0.00	0.0016
CO2	0.5045	0.5034	0.0860	0.00	0.0077
Methane	88.6233	88.4310	15.0640	895.10	0.4909
Ethane	5.8453	5.8326	1.5670	103.44	0.0607
Propane	2.6182	2.6125	0.7230	65.88	0.0399
Iso-Butane	0.5253	0.5242	0.1720	17.08	0.0105
N-Butane	0.6653	0.6639	0.2100	21.70	0.0134
I-Pentane	0.2637	0.2631	0.0970	10.55	0.0066
N-Pentane	0.1827	0.1823	0.0660	7.32	0.0046
Hexane Plus	0.6012	0.5999	0.2690	31.69	0.0199
Total	100.0000	99.7830	18.2730	1152.77	0.6557

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0029	CYLINDER #:	6066
BTU/CU.FT IDEAL:	1155.4	CYLINDER PRESSURE:	40 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1158.8	ANALYSIS DATE:	09/15/2020
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1138.6	ANALYSIS TIME:	03:32:00 PM
DRY BTU @ 15.025:	1182.0	ANALYSIS RUN BY:	RICHARD WILSON
REAL SPECIFIC GRAVITY:	0.6573		

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: 09/18/2020

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease: MICHENER LS 2; TBG
Stn. No.: API #3004507493
Mtr. No.: 71-365-01

TUBING
PC

09/18/2020
35825-13265

Smpl Date: 09/14/2020
Test Date: 09/15/2020
Run No: HS200282

Nitrogen: 0.1705
CO2: 0.5045
Methane: 88.6233
Ethane: 5.8453
Propane: 2.6182
I-Butane: 0.5253
N-Butane: 0.6653
I-Pentane: 0.2637
N-Pentane: 0.1827
Hexane+: 0.6012

BTU: 1158.8
GPM: 18.2730
SPG: 0.6573