



NMOCD REC'D
9/29/20

Well Name: TRIGG 1A; BHD
API #: API # 3004526750
Source: BRADENHEAD
Sample Type: GAS
Analysis No: HS200261
Cust No: 35825-13180

Well/Lease Information

Customer Name: HILCORP (BHD PROJECT)
Well Name: TRIGG 1A; BHD
County/State: SAN JUAN NM
Location:
Lease/PA/CA:
Formation: MV
Cust. Stn. No.: API # 3004526750
3510830

Source: BRADENHEAD
Well Flowing: Y
Pressure: PSIG
Flow Temp: DEG. F
Ambient Temp: 97 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 08/27/2020
Sample Time: 1.30 PM
Sampled By: WILFRED J.
Sampled by (CO): HILCORP

AREA 4 / RUN 0404

Heat Trace:

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.4496	0.4448	0.0500	0.00	0.0043
CO2	0.0036	0.0036	0.0010	0.00	0.0001
Methane	99.3398	98.2694	16.8700	1003.33	0.5502
Ethane	0.1952	0.1931	0.0520	3.45	0.0020
Propane	0.0056	0.0055	0.0020	0.14	0.0001
Iso-Butane	0.0000	0.0000	0.0000	0.00	0.0000
N-Butane	0.0000	0.0000	0.0000	0.00	0.0000
I-Pentane	0.0000	0.0000	0.0000	0.00	0.0000
N-Pentane	0.0000	0.0000	0.0000	0.00	0.0000
Hexane Plus	0.0062	0.0061	0.0030	0.33	0.0002
Total	100.0000	98.9225	16.9780	1007.25	0.5570

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.002
BTU/CU.FT IDEAL: 1009.6
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1011.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 994.0
DRY BTU @ 15.025: 1031.9
REAL SPECIFIC GRAVITY: 0.5579

CYLINDER #: 4067
CYLINDER PRESSURE: 78 PSIG
ANALYSIS DATE: 09/02/2020
ANALYSIS TIME: 10:35:31 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: 09/28/2020

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease:	TRIGG 1A; BHD	BRADENHEAD	09/28/2020
Stn. No.:	API # 3004526750	MV	35825-13180
Mtr. No.:	3510830		

Smpl Date:	08/27/2020
Test Date:	09/02/2020
Run No:	HS200261
Nitrogen:	0.4496
CO2:	0.0036
Methane:	99.3398
Ethane:	0.1952
Propane:	0.0056
I-Butane:	0.0000
N-Butane:	0.0000
I-Pentane:	0.0000
N-Pentane:	0.0000
Hexane+:	0.0062
BTU:	1011.6
GPM:	16.9780
SPG:	0.5579



Well Name: TRIGG 1A; CSG
 API #: API # 3004526750
 Source: CASING
 Sample Type: GAS
 Analysis No: HS200262
 Cust No: 35825-13185

Well/Lease Information

Customer Name:	HILCORP (BHD PROJECT)	Source:	CASING
Well Name:	TRIGG 1A; CSG	Well Flowing:	Y
County/State:	SAN JUAN NM	Pressure:	PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:		Ambient Temp:	97 DEG. F
Formation:	MV	Flow Rate:	MCF/D
Cust. Stn. No.:	API # 3004526750	Sample Method:	Purge & Fill
	3510830	Sample Date:	08/27/2020
	AREA 4 / RUN 0404	Sample Time:	1.30 PM
Heat Trace:		Sampled By:	WILFRED J.
Remarks:	PRESSURED WITH HELIUM TO 30LBS.	Sampled by (CO):	HILCORP

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1923	0.0774	0.0210	0.00	0.0019
CO2	1.5528	0.6250	0.2660	0.00	0.0236
Methane	80.9477	32.5820	13.7870	817.57	0.4484
Ethane	5.7661	2.3209	1.5490	102.04	0.0599
Propane	2.6939	1.0843	0.7460	67.78	0.0410
Iso-Butane	0.8450	0.3401	0.2780	27.48	0.0170
N-Butane	1.5364	0.6184	0.4870	50.12	0.0308
I-Pentane	1.1563	0.4654	0.4250	46.26	0.0288
N-Pentane	0.9878	0.3976	0.3600	39.60	0.0246
Hexane Plus	4.3217	1.7395	1.9360	227.80	0.1430
Total	100.0000	40.2506	19.8550	1378.66	0.8189

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0049	CYLINDER #:	4203
BTU/CU.FT IDEAL:	1381.8	CYLINDER PRESSURE:	4 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1388.7	ANALYSIS DATE:	09/02/2020
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1364.5	ANALYSIS TIME:	10:43:24 AM
DRY BTU @ 15.025:	1416.5	ANALYSIS RUN BY:	RICHARD WILSON
REAL SPECIFIC GRAVITY:	0.8226		

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: 09/28/2020

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease:	TRIGG 1A; CSG	CASING	09/28/2020
Stn. No.:	API # 3004526750	MV	35825-13185
Mtr. No.:	3510830		

Smpl Date:	08/27/2020
Test Date:	09/02/2020
Run No:	HS200262
Nitrogen:	0.1923
CO2:	1.5528
Methane:	80.9477
Ethane:	5.7661
Propane:	2.6939
I-Butane:	0.8450
N-Butane:	1.5364
I-Pentane:	1.1563
N-Pentane:	0.9878
Hexane+:	4.3217
BTU:	1388.7
GPM:	19.8550
SPG:	0.8226



Well Name: TRIGG 1A; TBG
 API #: API # 3004526750
 Source: TUBING
 Sample Type: GAS
 Analysis No: HS200263
 Cust No: 35825-13190

Well/Lease Information

Customer Name: HILCORP (BHD PROJECT)
 Well Name: TRIGG 1A; TBG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation: MV
 Cust. Stn. No.: API # 3004526750
 3510830

Source: TUBING
 Well Flowing:
 Pressure: PSIG
 Flow Temp: DEG. F
 Ambient Temp: 98 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 08/27/2020
 Sample Time: 1.30 PM
 Sampled By: WILFRED J.
 Sampled by (CO): HILCORP

AREA 4 / RUN 0404

Heat Trace:

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.2891	0.2845	0.0320	0.00	0.0028
CO2	2.0436	2.0109	0.3500	0.00	0.0311
Methane	85.0120	83.6504	14.4550	858.62	0.4709
Ethane	7.0501	6.9372	1.8910	124.77	0.0732
Propane	2.8895	2.8432	0.7980	72.70	0.0440
Iso-Butane	0.5702	0.5611	0.1870	18.54	0.0114
N-Butane	0.8013	0.7885	0.2530	26.14	0.0161
I-Pentane	0.3218	0.3166	0.1180	12.87	0.0080
N-Pentane	0.2343	0.2305	0.0850	9.39	0.0058
Hexane Plus	0.7881	0.7755	0.3520	41.54	0.0261
Total	100.0000	98.3984	18.5210	1164.58	0.6894

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0032
 BTU/CU.FT IDEAL: 1167.3
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1170.9
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1150.5
 DRY BTU @ 15.025: 1194.3
 REAL SPECIFIC GRAVITY: 0.6912

CYLINDER #: 4133
 CYLINDER PRESSURE: 36 PSIG
 ANALYSIS DATE: 09/02/2020
 ANALYSIS TIME: 10:54:06 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: 09/28/2020

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease:	TRIGG 1A; TBG	TUBING	09/28/2020
Stn. No.:	API # 3004526750	MV	35825-13190
Mtr. No.:	3510830		

Smpl Date:	08/27/2020
Test Date:	09/02/2020
Run No:	HS200263
Nitrogen:	0.2891
CO2:	2.0436
Methane:	85.0120
Ethane:	7.0501
Propane:	2.8895
I-Butane:	0.5702
N-Butane:	0.8013
I-Pentane:	0.3218
N-Pentane:	0.2343
Hexane+:	0.7881
BTU:	1170.9
GPM:	18.5210
SPG:	0.6912