



Well Name: TRIGG 1A; BHD
 API #: API # 3004526750
 Source: BRADENHEAD
 Sample Type: GAS
 Analysis No: HS210004
 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: 130 PSIG
 Flow Temp: DEG. F
 Ambient Temp: DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 01/07/2021
 Sample Time: 1.50 PM
 Sampled By: NICK W.
 Sampled by (CO): HILCORP

AREA 4 / RUN 0404

Heat Trace:

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.4439	0.4396	0.0490	0.00	0.0043
CO2	0.0017	0.0017	0.0000	0.00	0.0000
Methane	99.3498	98.3853	16.8720	1003.43	0.5503
Ethane	0.1976	0.1957	0.0530	3.50	0.0021
Propane	0.0058	0.0057	0.0020	0.15	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	0.0012	0.0012	0.0010	0.06	0.0000
Total	100.0000	99.0292	16.9770	1007.14	0.5568

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.002
 BTU/CU.FT IDEAL: 1009.5
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1011.5
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 993.9
 DRY BTU @ 15.025: 1031.8
 REAL SPECIFIC GRAVITY: 0.5577

CYLINDER #: 6160
 CYLINDER PRESSURE: 136 PSIG
 ANALYSIS DATE: 01/11/2021
 ANALYSIS TIME: 03:08:58 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: 01/12/2021

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease:	TRIGG 1A; BHD	BRADENHEAD	01/12/2021
Stn. No.:	API # 3004526750	MV	35825-13180
Mtr. No.:	3510830		

Smpl Date:	01/07/2021	08/27/2020
Test Date:	01/11/2021	09/02/2020
Run No:	HS210004	HS200261
Nitrogen:	0.4439	0.4496
CO2:	0.0017	0.0036
Methane:	99.3498	99.3398
Ethane:	0.1976	0.1952
Propane:	0.0058	0.0056
I-Butane:	0.0000	0.0000
N-Butane:	0.0000	0.0000
I-Pentane:	0.0000	0.0000
N-Pentane:	0.0000	0.0000
Hexane+:	0.0012	0.0062
BTU:	1011.5	1011.6
GPM:	16.9770	16.9780
SPG:	0.5577	0.5579



Well Name: TRIGG 1A; CSG
 API #: API # 3004526750
 Source: CASING
 Sample Type: GAS
 Analysis No: HS210005
 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:	31 PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:		Ambient Temp:	DEG. F
Formation:	MV	Flow Rate:	MCF/D
Cust. Stn. No.:	API # 3004526750	Sample Method:	Purge & Fill
	3510830	Sample Date:	01/07/2021
	AREA 4 / RUN 0404	Sample Time:	1.50 PM
Heat Trace:		Sampled By:	WILFRED J.
Remarks:	PRESSURED WITH HELIUM TO 30 LBS.	Sampled by (CO):	HILCORP

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3051	0.0848	0.0340	0.00	0.0030
CO2	1.9694	0.5473	0.3370	0.00	0.0299
Methane	85.9948	23.8982	14.6200	868.55	0.4763
Ethane	6.4731	1.7989	1.7360	114.55	0.0672
Propane	2.6182	0.7276	0.7230	65.88	0.0399
Iso-Butane	0.5185	0.1441	0.1700	16.86	0.0104
N-Butane	0.7359	0.2045	0.2330	24.01	0.0148
I-Pentane	0.2922	0.0812	0.1070	11.69	0.0073
N-Pentane	0.2040	0.0567	0.0740	8.18	0.0051
Hexane Plus	0.8888	0.2470	0.3970	46.85	0.0294
Total	100.0000	27.7903	18.4310	1156.56	0.6832

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0031	CYLINDER #:	6190
BTU/CU.FT IDEAL:	1159.2	CYLINDER PRESSURE:	15 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1162.8	ANALYSIS DATE:	01/11/2021
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1142.6	ANALYSIS TIME:	03:00:37 PM
DRY BTU @ 15.025:	1186.1	ANALYSIS RUN BY:	RICHARD WILSON
REAL SPECIFIC GRAVITY:	0.6851		

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: 01/12/2021

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease:	TRIGG 1A; CSG	CASING	01/12/2021
Stn. No.:	API # 3004526750	MV	35825-13185
Mtr. No.:	3510830		

Smpl Date:	01/07/2021	08/27/2020
Test Date:	01/11/2021	09/02/2020
Run No:	HS210005	HS200262
Nitrogen:	0.3051	0.1923
CO2:	1.9694	1.5528
Methane:	85.9948	80.9477
Ethane:	6.4731	5.7661
Propane:	2.6182	2.6939
I-Butane:	0.5185	0.8450
N-Butane:	0.7359	1.5364
I-Pentane:	0.2922	1.1563
N-Pentane:	0.2040	0.9878
Hexane+:	0.8888	4.3217
BTU:	1162.8	1388.7
GPM:	18.4310	19.8550
SPG:	0.6851	0.8226

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Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 14661

CONDITIONS OF APPROVAL

Operator:			OGRID:	Action Number:	Action Type:
HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX77002			372171	14661	GAS ANALYSIS
OCD Reviewer	Condition				
mkuehling	bh at test dated 9/28/20 showed 84 psi on bh - gas analysis shows 130 psi on bh - gas does not appear to be the same - however a plan of action is required. Please have pumper check pressures and report to me. due in 5 working days.from today Wednesday February 17, 2021				