



OCD Received
10/30/2020

Well Name: NYE FEDERAL 1M; BHD
API #: API # 3004530798
Source: BRADENHEAD
Sample Type: GAS
Analysis No: HS200319
Cust No: 35825-13385

Well/Lease Information

Customer Name:	HILCORP (BHD PROJECT)	Source:	BRADENHEAD
Well Name:	NYE FEDERAL 1M; BHD	Well Flowing:	Y
County/State:	SAN JUAN NM	Pressure:	2 PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:		Ambient Temp:	74 DEG. F
Formation:	MV/DK	Flow Rate:	MCF/D
Cust. Stn. No.:	API # 3004530798	Sample Method:	Purge & Fill
	98474	Sample Date:	09/30/2020
	AREA 07/ RUN 0702	Sample Time:	2.50 PM
Heat Trace:		Sampled By:	PAT HUDMAN
Remarks:	PRESSURED WITH HELIUM TO 30LBS.	Sampled by (CO):	HILCORP

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.2089	0.3699	0.1330	0.00	0.0117
CO2	0.0771	0.0236	0.0130	0.00	0.0012
Methane	80.5228	24.6383	13.6980	813.28	0.4460
Ethane	9.8722	3.0207	2.6490	174.71	0.1025
Propane	4.6542	1.4241	1.2870	117.10	0.0709
Iso-Butane	0.7952	0.2433	0.2610	25.86	0.0160
N-Butane	0.8805	0.2694	0.2790	28.72	0.0177
I-Pentane	0.3200	0.0979	0.1170	12.80	0.0080
N-Pentane	0.2559	0.0783	0.0930	10.26	0.0064
Hexane Plus	1.4132	0.4324	0.6320	74.49	0.0468
Total	100.0000	30.5979	19.1620	1257.23	0.7270

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0037	CYLINDER #:	6194
BTU/CU.FT IDEAL:	1260.1	CYLINDER PRESSURE:	PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1264.8	ANALYSIS DATE:	10/06/2020
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1242.8	ANALYSIS TIME:	01:31:16 PM
DRY BTU @ 15.025:	1290.1	ANALYSIS RUN BY:	SHYANN ELLEDGE
REAL SPECIFIC GRAVITY:	0.7294		

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: 10/09/2020

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease: NYE FEDERAL 1M; BHD
Stn. No.: API # 3004530798
Mtr. No.: 98474

BRADENHEAD
MV/DK

10/09/2020
35825-13385

Smpl Date: 09/30/2020
Test Date: 10/06/2020
Run No: HS200319

Nitrogen: 1.2089
CO2: 0.0771
Methane: 80.5228
Ethane: 9.8722
Propane: 4.6542
I-Butane: 0.7952
N-Butane: 0.8805
I-Pentane: 0.3200
N-Pentane: 0.2559
Hexane+: 1.4132

BTU: 1264.8
GPM: 19.1620
SPG: 0.7294



OCD Received 10/30/2020

Well Name: NYE FEDERAL 1M; CSG
API #: API # 3004530798
Source: CASING
Sample Type: GAS
Analysis No: HS200320
Cust No: 35825-13390

Well/Lease Information

Customer Name: HILCORP (BHD PROJECT)
Well Name: NYE FEDERAL 1M; CSG
County/State: SAN JUAN NM
Location:
Lease/PA/CA:
Formation: MV/DK
Cust. Stn. No.: API # 3004530798
98474

Source: CASING
Well Flowing: Y
Pressure: 26 PSIG
Flow Temp: DEG. F
Ambient Temp: 74 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 09/30/2020
Sample Time: 12.10 PM
Sampled By: PAT HUDMAN
Sampled by (CO): HILCORP

AREA 07 / RUN 0702

Heat Trace:

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.2775	0.2754	0.0310	0.00	0.0027
CO2	0.4383	0.4349	0.0750	0.00	0.0067
Methane	81.0280	80.4036	13.7830	818.38	0.4488
Ethane	10.0715	9.9939	2.7030	178.24	0.1046
Propane	4.7778	4.7410	1.3210	120.21	0.0727
Iso-Butane	0.8983	0.8914	0.2950	29.21	0.0180
N-Butane	1.0652	1.0570	0.3370	34.75	0.0214
I-Pentane	0.3364	0.3338	0.1230	13.46	0.0084
N-Pentane	0.2440	0.2421	0.0890	9.78	0.0061
Hexane Plus	0.8630	0.8564	0.3860	45.49	0.0286
Total	100.0000	99.2295	19.1430	1249.52	0.7179

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0036
BTU/CU.FT IDEAL: 1252.4
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1256.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1235.0
DRY BTU @ 15.025: 1282.1
REAL SPECIFIC GRAVITY: 0.7202

CYLINDER #: 4069
CYLINDER PRESSURE: PSIG
ANALYSIS DATE: 10/06/2020
ANALYSIS TIME: 01:30:51 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: 10/09/2020

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease: NYE FEDERAL 1M; CSG
Stn. No.: API # 3004530798
Mtr. No.: 98474

CASING
MV/DK

10/09/2020
35825-13390

Smpl Date: 09/30/2020
Test Date: 10/06/2020
Run No: HS200320

Nitrogen: 0.2775
CO2: 0.4383
Methane: 81.0280
Ethane: 10.0715
Propane: 4.7778
I-Butane: 0.8983
N-Butane: 1.0652
I-Pentane: 0.3364
N-Pentane: 0.2440
Hexane+: 0.8630

BTU: 1256.9
GPM: 19.1430
SPG: 0.7202