



NMOCD REC'D
10/01/20

Well Name: BLANCO COM A #6A; BHD
API #: API # 3004523042
Source: BRADENHEAD
Sample Type: GAS
Analysis No: HS200297
Cust No: 35825-13295

Well/Lease Information

Customer Name: HILCORP (BHD PROJECT)
Well Name: BLANCO COM A #6A; BHD
County/State: SAN JUAN NM
Location:
Lease/PA/CA: B-10603
Formation: MV
Cust. Stn. No.: API # 3004523042
90-269-01

Source: BRADENHEAD
Well Flowing: Y
Pressure: 41 PSIA
Flow Temp: 84 DEG. F
Ambient Temp: 69 DEG. F
Flow Rate: 124 MCF/D
Sample Method: Purge & Fill
Sample Date: 09/17/2020
Sample Time: 11.18 AM
Sampled By: ALEX RIOS
Sampled by (CO): HILCORP

Heat Trace: AREA 08/ RUN 0801

Remarks: N

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1230	0.1208	0.0140	0.00	0.0012
CO2	2.6071	2.5596	0.4460	0.00	0.0396
Methane	83.7235	82.1987	14.2350	845.61	0.4637
Ethane	7.3590	7.2250	1.9740	130.23	0.0764
Propane	3.4658	3.4027	0.9580	87.20	0.0528
Iso-Butane	0.6620	0.6499	0.2170	21.53	0.0133
N-Butane	0.9446	0.9274	0.2990	30.82	0.0190
I-Pentane	0.3124	0.3067	0.1150	12.50	0.0078
N-Pentane	0.2377	0.2334	0.0860	9.53	0.0059
Hexane Plus	0.5649	0.5546	0.2530	29.78	0.0187
Total	100.0000	98.1788	18.5970	1167.19	0.6984

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0032
BTU/CU.FT IDEAL: 1169.9
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1173.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1153.2
DRY BTU @ 15.025: 1197.1
REAL SPECIFIC GRAVITY: 0.7003

CYLINDER #: 4072
CYLINDER PRESSURE: 39 PSIG
ANALYSIS DATE: 09/24/2020
ANALYSIS TIME: 10:08:42 AM
ANALYSIS RUN BY: PATRICIA KING

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: 09/29/2020

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease: BLANCO COM A #6A; BHD
Stn. No.: API # 3004523042
Mtr. No.: 90-269-01

BRADENHEAD
MV

09/29/2020
35825-13295

Smpl Date: 09/17/2020
Test Date: 09/24/2020
Run No: HS200297

Nitrogen: 0.1230
CO2: 2.6071
Methane: 83.7235
Ethane: 7.3590
Propane: 3.4658
I-Butane: 0.6620
N-Butane: 0.9446
I-Pentane: 0.3124
N-Pentane: 0.2377
Hexane+: 0.5649

BTU: 1173.6
GPM: 18.5970
SPG: 0.7003



Well Name: BLANCO COM A #6A; CSG
 API #: API # 3004523042
 Source: CASING
 Sample Type: GAS
 Analysis No: HS200298
 Cust No: 35825-13300

Well/Lease Information

Customer Name: HILCORP (BHD PROJECT)
 Well Name: BLANCO COM A #6A; CSG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA: B-10603
 Formation: MV
 Cust. Stn. No.: API # 3004523042
 90-269-01

Source: CASING
 Well Flowing: Y
 Pressure: 41 PSIA
 Flow Temp: 84 DEG. F
 Ambient Temp: 69 DEG. F
 Flow Rate: 124 MCF/D
 Sample Method: Purge & Fill
 Sample Date: 09/17/2020
 Sample Time: 11.13 AM
 Sampled By: ALEX RIOS
 Sampled by (CO): HILCORP

AREA 08/ RUN 0801

Heat Trace: N

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1371	0.1342	0.0150	0.00	0.0013
CO2	3.0199	2.9555	0.5170	0.00	0.0459
Methane	83.5356	81.7529	14.2050	843.71	0.4627
Ethane	6.9643	6.8157	1.8680	123.25	0.0723
Propane	3.2633	3.1937	0.9020	82.11	0.0497
Iso-Butane	0.6153	0.6022	0.2020	20.01	0.0123
N-Butane	0.8953	0.8762	0.2830	29.21	0.0180
I-Pentane	0.3055	0.2990	0.1120	12.22	0.0076
N-Pentane	0.2430	0.2378	0.0880	9.74	0.0061
Hexane Plus	1.0207	0.9989	0.4570	53.80	0.0338
Total	100.0000	97.8661	18.6490	1174.05	0.7097

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0033
 BTU/CU.FT IDEAL: 1176.8
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1180.7
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1160.2
 DRY BTU @ 15.025: 1204.3
 REAL SPECIFIC GRAVITY: 0.7117

CYLINDER #: 7014
 CYLINDER PRESSURE: 37 PSIG
 ANALYSIS DATE: 09/24/2020
 ANALYSIS TIME: 09:57:04 AM
 ANALYSIS RUN BY: PATRICIA KING

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: 09/29/2020

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease: BLANCO COM A #6A; CSG
Stn. No.: API # 3004523042
Mtr. No.: 90-269-01

CASING
MV

09/29/2020
35825-13300

Smpl Date: 09/17/2020
Test Date: 09/24/2020
Run No: HS200298

Nitrogen: 0.1371
CO2: 3.0199
Methane: 83.5356
Ethane: 6.9643
Propane: 3.2633
I-Butane: 0.6153
N-Butane: 0.8953
I-Pentane: 0.3055
N-Pentane: 0.2430
Hexane+: 1.0207

BTU: 1180.7
GPM: 18.6490
SPG: 0.7117



Well Name: BLANCO COM A #6A; TBG
 API #: API # 3004523042
 Source: TUBING
 Sample Type: GAS
 Analysis No: HS200299
 Cust No: 35825-13305

Well/Lease Information

Customer Name:	HILCORP (BHD PROJECT)	Source:	TUBING
Well Name:	BLANCO COM A #6A; TBG	Well Flowing:	Y
County/State:	SAN JUAN NM	Pressure:	14 PSIA
Location:		Flow Temp:	84 DEG. F
Lease/PA/CA:	B-10603	Ambient Temp:	69 DEG. F
Formation:	MV	Flow Rate:	124 MCF/D
Cust. Stn. No.:	API # 3004523042	Sample Method:	Purge & Fill
	90-269-01	Sample Date:	09/17/2020
	AREA 08/ RUN 0801	Sample Time:	11.10 AM
Heat Trace:	N	Sampled By:	ALEX RIOS
Remarks:	PRESSURED WITH HELIUM TO 30LBS.	Sampled by (CO):	HILCORP

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1749	0.0887	0.0190	0.00	0.0017
CO2	1.3109	0.6648	0.2250	0.00	0.0199
Methane	79.9543	40.5484	13.6040	807.54	0.4429
Ethane	9.3340	4.7337	2.5050	165.18	0.0969
Propane	4.5176	2.2911	1.2490	113.67	0.0688
Iso-Butane	0.9287	0.4710	0.3050	30.20	0.0186
N-Butane	1.3436	0.6814	0.4250	43.83	0.0270
I-Pentane	0.5350	0.2713	0.1960	21.40	0.0133
N-Pentane	0.4095	0.2077	0.1490	16.42	0.0102
Hexane Plus	1.4915	0.7564	0.6680	78.62	0.0494
Total	100.0000	50.7145	19.3450	1276.86	0.7487

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0039	CYLINDER #:	6114
BTU/CU.FT IDEAL:	1279.8	CYLINDER PRESSURE:	8 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1284.8	ANALYSIS DATE:	09/24/2020
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1262.4	ANALYSIS TIME:	10:23:46 AM
DRY BTU @ 15.025:	1310.5	ANALYSIS RUN BY:	PATRICIA KING
REAL SPECIFIC GRAVITY:	0.7513		

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: 09/29/2020

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease: BLANCO COM A #6A; TBG
Stn. No.: API # 3004523042
Mtr. No.: 90-269-01

TUBING
MV

09/29/2020
35825-13305

Smpl Date: 09/17/2020
Test Date: 09/24/2020
Run No: HS200299

Nitrogen: 0.1749
CO2: 1.3109
Methane: 79.9543
Ethane: 9.3340
Propane: 4.5176
I-Butane: 0.9287
N-Butane: 1.3436
I-Pentane: 0.5350
N-Pentane: 0.4095
Hexane+: 1.4915

BTU: 1284.8
GPM: 19.3450
SPG: 0.7513