



2030 Afton Place
Farmington, NM 87401
(505) 325-6622
GAS

Analysis No: HS200011
Cust No: 35825-12095

Well/Lease Information

Customer Name:	HILCORP (BHD PROJECT)	Source:	JAI RASCON
Well Name:	HILLSTROM 2 PC; CSG	Well Flowing:	Y
County/State:	SAN JUAN NM	Pressure:	136 PSIG
Location:		Flow Temp:	68.8 DEG. F
Lease/PA/CA:		Ambient Temp:	64 DEG. F
Formation:	PC	Flow Rate:	22 MCF/D
Cust. Stn. No.:	API # 3004523353	Sample Method:	Purge & Fill
	3465430	Sample Date:	05/07/2020
	AREA 1 / RUN 108	Sample Time:	8.30 AM
Heat Trace:	N	Sampled By:	JAI RASCON
Remarks:		Sampled by (CO):	HILCORP

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.2842	0.2795	0.0310	0.00	0.0027
CO2	0.3115	0.3064	0.0530	0.00	0.0047
Methane	84.5822	83.1981	14.3810	854.28	0.4685
Ethane	8.2409	8.1060	2.2100	145.84	0.0856
Propane	4.0594	3.9930	1.1220	102.14	0.0618
Iso-Butane	0.7061	0.6945	0.2320	22.96	0.0142
N-Butane	0.9189	0.9039	0.2910	29.98	0.0184
I-Pentane	0.2911	0.2863	0.1070	11.65	0.0073
N-Pentane	0.1913	0.1882	0.0700	7.67	0.0048
Hexane Plus	0.4144	0.4076	0.1850	21.84	0.0137
Total	100.0000	98.3635	18.6820	1196.36	0.6817

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0032
BTU/CU.FT IDEAL:	1199.1
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1203.0
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1182.1
DRY BTU @ 15.025:	1227.1
REAL SPECIFIC GRAVITY:	0.6836

CYLINDER #:	6142
CYLINDER PRESSURE:	151 PSIG
ANALYSIS DATE:	05/11/2020
ANALYSIS TIME:	08:17:00 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: 05/12/2020

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease: HILLSTROM 2 PC; CSG
Stn. No.: API # 3004523353
Mtr. No.: 3465430

JAI RASCON
PC

05/12/2020
35825-12095

Smpl Date: 05/07/2020
Test Date: 05/11/2020
Run No: HS200011

Nitrogen: 0.2842
CO2: 0.3115
Methane: 84.5822
Ethane: 8.2409
Propane: 4.0594
I-Butane: 0.7061
N-Butane: 0.9189
I-Pentane: 0.2911
N-Pentane: 0.1913
Hexane+: 0.4144

BTU: 1203.0
GPM: 18.6820
SPG: 0.6836



2030 Afton Place
Farmington, NM 87401
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GAS

Analysis No: HS200010
Cust No: 35825-12090

Well/Lease Information

Customer Name: HILCORP (BHD PROJECT)
Well Name: HILLSTROM 2 PC; BHD
County/State: SAN JUAN NM
Location:
Lease/PA/CA:
Formation: PC
Cust. Stn. No.: API # 3004523353
3465430
AREA 1 / RUN 108
Heat Trace: N
Remarks:

Source: JAI RASCON
Well Flowing: Y
Pressure: 136 PSIG
Flow Temp: 68.8 DEG. F
Ambient Temp: 64 DEG. F
Flow Rate: 22 MCF/D
Sample Method: Purge & Fill
Sample Date: 05/07/2020
Sample Time: 8.45 AM
Sampled By: JAI RASCON
Sampled by (CO): HILCORP

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	2.8249	2.8034	0.3110	0.00	0.0273
CO2	2.2418	2.2247	0.3830	0.00	0.0341
Methane	92.6519	91.9468	15.7380	935.78	0.5132
Ethane	1.6308	1.6184	0.4370	28.86	0.0169
Propane	0.0689	0.0684	0.0190	1.73	0.0010
Iso-Butane	0.1662	0.1649	0.0540	5.40	0.0033
N-Butane	0.0089	0.0088	0.0030	0.29	0.0002
I-Pentane	0.0585	0.0581	0.0210	2.34	0.0015
N-Pentane	0.0000	0.0000	0.0000	0.00	0.0000
Hexane Plus	0.3481	0.3455	0.1560	18.35	0.0115
Total	100.0000	99.2390	17.1220	992.76	0.6091

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0022
BTU/CU.FT IDEAL: 995.1
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 997.3
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 979.9
DRY BTU @ 15.025: 1017.3
REAL SPECIFIC GRAVITY: 0.6102

CYLINDER #: 6092
CYLINDER PRESSURE: 48 PSIG
ANALYSIS DATE: 05/11/2020
ANALYSIS TIME: 08:29:00 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: 05/12/2020

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease: HILLSTROM 2 PC; BHD
Stn. No.: API # 3004523353
Mtr. No.: 3465430

JAI RASCON
PC

05/12/2020
35825-12090

Smpl Date: 05/07/2020
Test Date: 05/11/2020
Run No: HS200010

Nitrogen: 2.8249
CO2: 2.2418
Methane: 92.6519
Ethane: 1.6308
Propane: 0.0689
I-Butane: 0.1662
N-Butane: 0.0089
I-Pentane: 0.0585
N-Pentane: 0.0000
Hexane+: 0.3481

BTU: 997.3
GPM: 17.1220
SPG: 0.6102