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

Analysis No: HS170007
Cust No: 35825-10030

Well/Lease Information

Customer Name:	HILCORP (BHD PROJECT)	Source:	BRADENHEAD
Well Name:	SAN JUAN 32-7 43M; BHD	Well Flowing:	Y
County/State:	SAN JUAN NM	Pressure:	4 PSIA
Location:	I32-07N-21W	Flow Temp:	DEG. F
Field:	AREA 4 / RUN 411	Ambient Temp:	DEG. F
Formation:	MV/DK	Flow Rate:	MCF/D
Cust. Stn. No.:		Sample Method:	
		Date Sampled:	10/13/2017
		Sample Time:	9.10 AM
		Sampled By:	TERRY GOMEZ
		Sampled by (CO):	HILCORP

Remarks:

Analysis

Component::	Mole%:	Unormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	43.3048	13.1997	4.7710	0.00	0.4188
CO2	2.7837	0.8485	0.4760	0.00	0.0423
Methane	44.8215	13.6620	7.6100	452.70	0.2483
Ethane	5.1472	1.5689	1.3790	91.09	0.0534
Propane	1.8868	0.5751	0.5210	47.47	0.0287
Iso-Butane	0.3592	0.1095	0.1180	11.68	0.0072
N-Butane	0.4928	0.1502	0.1560	16.08	0.0099
I-Pentane	0.2313	0.0705	0.0850	9.25	0.0058
N-Pentane	0.1578	0.0481	0.0570	6.33	0.0039
Hexane Plus	0.8149	0.2484	0.3640	42.95	0.0270
Total	100.0000	30.4809	15.5370	677.55	0.8453

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY
**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBLITY FACTOR (1/Z):	1.0017	CYLINDER #:	7032
BTU/CU.FT IDEAL:	679.1	CYLINDER PRESSURE:	10 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	680.3	DATE RUN:	10/23/17 12:00 AM
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	668.5	ANALYSIS RUN BY:	CAMERON MANGAN
DRY BTU @ 15.025:	693.9		
REAL SPECIFIC GRAVITY:	0.8464		

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: 10/27/2017**
GC Method: C6+ Gas

HILCORP (BHD PROJECT)

WELL ANALYSIS COMPARISON

Lease:	SAN JUAN 32-7 43M; BHD	BRADENHEAD	10/27/2017
Stn. No.:		MV/DK	35825-10030
Mtr. No.:			

Smpl Date:	10/13/2017
Test Date:	10/23/2017
Run No:	HS170007
Nitrogen:	43.3048
CO2:	2.7837
Methane:	44.8215
Ethane:	5.1472
Propane:	1.8868
I-Butane:	0.3592
N-Butane:	0.4928
I-Pentane:	0.2313
N-Pentane:	0.1578
Hexane+:	0.8149
BTU:	680.3
GPM:	15.5370
SPG:	0.8464