



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

Analysis No: HS20220130
Cust No: 35825-14565

Well/Lease Information

Customer Name:	HILCORP (BHD PROJECT)	Source:	INTERMEDIATE
Well Name:	RANDLEMAN 1 B; INTRM CASING	Well Flowing:	N
County/State:	SAN JUAN NM	Pressure:	304.1 PSIG
Location:		Flow Temp:	65 DEG. F
Lease/PA/CA:		Ambient Temp:	65 DEG. F
Formation:	DK	Flow Rate:	0 MCF/D
Cust. Stn. No.:	3004531932	Sample Method:	Purge & Fill
	3654130	Sample Date:	07/29/2022
	AREA 3/ RUN 0302	Sample Time:	11.48 AM
Heat Trace:	N	Sampled By:	LIONEL GLEASON
Remarks:		Sampled by (CO):	HILCORP

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.2481	0.2417	0.0270	0.00	0.0024
CO2	0.0020	0.0019	0.0000	0.00	0.0000
Methane	83.7769	81.6150	14.2450	846.15	0.4640
Ethane	8.8435	8.6153	2.3720	156.50	0.0918
Propane	4.7340	4.6118	1.3080	119.11	0.0721
Iso-Butane	0.7812	0.7610	0.2560	25.40	0.0157
N-Butane	1.0009	0.9751	0.3160	32.65	0.0201
I-Pentane	0.2781	0.2709	0.1020	11.13	0.0069
N-Pentane	0.1543	0.1503	0.0560	6.19	0.0038
Hexane Plus	0.1810	0.1763	0.0810	9.54	0.0060
Total	100.0000	97.4193	18.7630	1206.67	0.6829

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0032	CYLINDER #:	6129
BTU/CU.FT IDEAL:	1209.5	CYLINDER PRESSURE:	310 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1213.3	ANALYSIS DATE:	08/02/2022
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1192.2	ANALYSIS TIME:	02:28:41 PM
DRY BTU @ 15.025:	1237.6	ANALYSIS RUN BY:	RICHARD WILSON
REAL SPECIFIC GRAVITY:	0.6848		

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: 08/03/2022

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease:	RANDLEMAN 1 B; INTRM CASING	INTERMEDIATE	08/03/2022
Stn. No.:	3004531932	DK	35825-14565
Mtr. No.:	3654130		

Smpl Date: 07/29/2022
Test Date: 08/02/2022
Run No: HS20220130

Nitrogen: 0.2481
CO2: 0.0020
Methane: 83.7769
Ethane: 8.8435
Propane: 4.7340
I-Butane: 0.7812
N-Butane: 1.0009
I-Pentane: 0.2781
N-Pentane: 0.1543
Hexane+: 0.1810

BTU: 1213.3
GPM: 18.7630
SPG: 0.6848

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
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Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
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 132083

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 132083
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	None	8/17/2022