



Well Name: SAN JUAN 30-5 #47; BHD

API #: WIH86959

Source: BRADENHEAD

Sample Type: GAS

Analysis No: HS20230286

Cust No: 35825-15535

Well/Lease Information

Customer Name: HILCORP (BHD PROJECT)

Well Name: SAN JUAN 30-5 #47; BHD

County/State: RIO ARRIBA NM

Location:

Lease/PA/CA:

Formation:

Cust. Stn. No.: WIH86959

30039221070

AREA 12 / RUN 1201

Heat Trace: N

Remarks: PRESSURED WITH HELIUM TO 30LBS

Source: BRADENHEAD

Well Flowing: N

Pressure: 13 PSIG

Flow Temp: DEG. F

Ambient Temp: 35 DEG. F

Flow Rate: MCF/D

Sample Method: Purge & Fill

Sample Date: 11/28/2023

Sample Time: 12.27 PM

Sampled By: FREDDIE GARCIA

Sampled by (CO): HILCORP

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.0939	0.0271	0.0100	0.00	0.0009
CO2	0.0704	0.0203	0.0120	0.00	0.0011
Methane	98.9864	28.5596	16.8100	999.76	0.5483
Ethane	0.7168	0.2068	0.1920	12.69	0.0074
Propane	0.1040	0.0300	0.0290	2.62	0.0016
Iso-Butane	0.0177	0.0051	0.0060	0.58	0.0004
N-Butane	0.0080	0.0023	0.0030	0.26	0.0002
I-Pentane	0.0028	0.0008	0.0010	0.11	0.0001
N-Pentane	0.0000	0.0000	0.0000	0.00	0.0000
Hexane Plus	0.0000	0.0000	0.0000	0.00	0.0000
Total	100.0000	28.8520	17.0630	1016.01	0.5599

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.002
 BTU/CU.FT IDEAL: 1018.4
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1020.4
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1002.6
 DRY BTU @ 15.025: 1040.8
 REAL SPECIFIC GRAVITY: 0.5608

CYLINDER #: 6214
 CYLINDER PRESSURE: PSIG
 ANALYSIS DATE: 11/30/2023
 ANALYSIS TIME: 09:35:24 AM
 ANALYSIS RUN BY: ALEXIS MITCHELL

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: 12/04/2023

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease:	SAN JUAN 30-5 #47; BHD	BRADENHEAD	12/04/2023
Stn. No.:	WIH86959		35825-15535
Mtr. No.:	30039221070		

Smpl Date:	11/28/2023	11/28/2023
Test Date:	11/30/2023	11/30/2023
Run No:	HS20230286	HS20230285
Nitrogen:	0.0939	0.0964
CO2:	0.0704	0.0782
Methane:	98.9864	98.8789
Ethane:	0.7168	0.7868
Propane:	0.1040	0.1241
I-Butane:	0.0177	0.0209
N-Butane:	0.0080	0.0098
I-Pentane:	0.0028	0.0049
N-Pentane:	0.0000	0.0000
Hexane+:	0.0000	0.0000
BTU:	1020.4	1021.3
GPM:	17.0630	17.0730
SPG:	0.5608	0.5615

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
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 290783

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 290783
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	None	12/4/2023