Well Name: SAN JUAN 30-5 UNIT 75;
API #: API # 3003922708
Source: BRADENHEAD
Sample Type: GAS

Analysis No: HS20250093
Cust No: 35825-11435

Well/Lease Information

Customer Name:	HILCORP (BHD PROJECT)	Source:	BRADENHEAD
Well Name:	SAN JUAN 30-5 UNIT 75; BHD	Well Flowing:	Y
County/State:		Pressure:	48 PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:		Ambient Temp:	89 DEG. F
Formation:		Flow Rate:	MCF/D
Cust. Stn. No.:	API # 3003922708	Sample Method:	Purge & Fill
		Sample Date:	08/20/2025
		Sample Time:	11.00 AM
	AREA 12 / RUN 1204	Sampled By:	IVAN TAPIA
Heat Trace:		Sampled by (CO):	HILCORP
Remarks:			

Analysis

Component::	Mole%:	Unormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.2176	0.2144	0.0240	0.00	0.0021
CO2	0.0109	0.0107	0.0020	0.00	0.0002
Methane	93.6072	92.2474	15.9020	945.43	0.5185
Ethane	5.6013	5.5199	1.5010	99.13	0.0582
Propane	0.3393	0.3344	0.0940	8.54	0.0052
Iso-Butane	0.0798	0.0786	0.0260	2.60	0.0016
N-Butane	0.0185	0.0182	0.0060	0.60	0.0004
I-Pentane	0.0278	0.0274	0.0100	1.11	0.0007
N-Pentane	0.0016	0.0016	0.0010	0.06	0.0000
Hexane Plus	0.0960	0.0946	0.0430	5.06	0.0032
Total	100.0000	98.5472	17.6090	1062.53	0.5900

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

COMPRESSIBLITY FACTOR (1/Z):	1.0023	CYLINDER #:	4213
BTU/CU.FT IDEAL:	1065.0	CYLINDER PRESSURE:	41 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1067.4	ANALYIS DATE:	08/28/2025
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1048.8	ANALYIS TIME:	12:51:42 AM
DRY BTU @ 15.025:	1088.8	ANALYSIS RUN BY:	ALEXIS MITCHELL
REAL SPECIFIC GRAVITY:	0.5911		

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: 09/02/2025**
GC Method: C6+ Gas

HILCORP (BHD PROJECT)

WELL ANALYSIS COMPARISON

Lease:	SAN JUAN 30-5 UNIT 75; BHD	BRADENHEAD	09/02/2025
Stn. No.:	API # 3003922708		35825-11435
Mtr. No.:			

Smpl Date:	08/20/2025	06/05/2019
Test Date:	08/28/2025	06/10/2019
Run No:	HS20250093	HS190119
Nitrogen:	0.2176	0.2453
CO2:	0.0109	0.0138
Methane:	93.6072	93.7249
Ethane:	5.6013	5.5229
Propane:	0.3393	0.3293
I-Butane:	0.0798	0.0795
N-Butane:	0.0185	0.0179
I-Pentane:	0.0278	0.0230
N-Pentane:	0.0016	0.0000
Hexane+:	0.0960	0.0434
BTU:	1067.4	1063.9
GPM:	17.6090	17.5810
SPG:	0.5911	0.5892

Well Name: SAN JUAN 30-5 UNIT 75;
API #: API #3003922708
Source: TUBING
Sample Type: GAS

Analysis No: HS20250095
Cust No: 35825-11445

Well/Lease Information

Customer Name:	HILCORP (BHD PROJECT)	Source:	TUBING
Well Name:	SAN JUAN 30-5 UNIT 75; TBG	Well Flowing:	Y
County/State:		Pressure:	127 PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:		Ambient Temp:	89 DEG. F
Formation:		Flow Rate:	MCF/D
Cust. Stn. No.:	API #3003922708	Sample Method:	Purge & Fill
		Sample Date:	08/20/2025
		Sample Time:	11.20 AM
	AREA 12 / RUN 1204	Sampled By:	IVAN TAPIA
Heat Trace:	N	Sampled by (CO):	HEC
Remarks:			

Analysis

Component::	Mole%:	Unormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.8566	0.8502	0.0940	0.00	0.0083
CO2	2.2477	2.2308	0.3840	0.00	0.0342
Methane	93.0337	92.3363	15.8040	939.64	0.5153
Ethane	2.8264	2.8052	0.7570	50.02	0.0293
Propane	0.6049	0.6004	0.1670	15.22	0.0092
Iso-Butane	0.1318	0.1308	0.0430	4.29	0.0026
N-Butane	0.1005	0.0997	0.0320	3.28	0.0020
I-Pentane	0.0529	0.0525	0.0190	2.12	0.0013
N-Pentane	0.0272	0.0270	0.0100	1.09	0.0007
Hexane Plus	0.1183	0.1174	0.0530	6.24	0.0039
Total	100.0000	99.2503	17.3630	1021.89	0.6069

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

COMPRESSIBLITY FACTOR (1/Z):	1.0023	CYLINDER #:	6019
BTU/CU.FT IDEAL:	1024.3	CYLINDER PRESSURE:	111 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1026.6	ANALYIS DATE:	08/28/2025
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1008.7	ANALYIS TIME:	11:53:22 AM
DRY BTU @ 15.025:	1047.2	ANALYSIS RUN BY:	SARAH BALLARD
REAL SPECIFIC GRAVITY:	0.608		

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: 09/02/2025**
GC Method: C6+ Gas

HILCORP (BHD PROJECT)

WELL ANALYSIS COMPARISON

Lease:	SAN JUAN 30-5 UNIT 75; TBG	TUBING	09/02/2025
Stn. No.:	API #3003922708		35825-11445
Mtr. No.:			

Smpl Date:	08/20/2025	06/05/2019
Test Date:	08/28/2025	06/10/2019
Run No:	HS20250095	HS190121
Nitrogen:	0.8566	0.0906
CO2:	2.2477	2.8239
Methane:	93.0337	96.6907
Ethane:	2.8264	0.3226
Propane:	0.6049	0.0258
I-Butane:	0.1318	0.0185
N-Butane:	0.1005	0.0072
I-Pentane:	0.0529	0.0069
N-Pentane:	0.0272	0.0020
Hexane+:	0.1183	0.0118
BTU:	1026.6	989.1
GPM:	17.3630	17.0250
SPG:	0.6080	0.5852

Well Name: SAN JUAN 30-5 UNIT 75;
API #: API # 3003922708
Source: CASING
Sample Type: GAS

Analysis No: HS20250094
Cust No: 35825-11440

Well/Lease Information

Customer Name:	HILCORP (BHD PROJECT)	Source:	CASING
Well Name:	SAN JUAN 30-5 UNIT 75; CSG	Well Flowing:	Y
County/State:		Pressure:	125 PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:		Ambient Temp:	89 DEG. F
Formation:		Flow Rate:	MCF/D
Cust. Stn. No.:	API # 3003922708	Sample Method:	Purge & Fill
		Sample Date:	08/20/2025
		Sample Time:	11.15 AM
	AREA 12 / RUN 1204	Sampled By:	IVAN TAPIA
Heat Trace:	N	Sampled by (CO):	HILCORP
Remarks:			

Analysis

Component::	Mole%:	Unormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	68.6430	64.6938	7.5550	0.00	0.6639
CO2	2.1584	2.0342	0.3690	0.00	0.0328
Methane	28.8260	27.1677	4.8890	291.14	0.1597
Ethane	0.2428	0.2288	0.0650	4.30	0.0025
Propane	0.0416	0.0392	0.0110	1.05	0.0006
Iso-Butane	0.0131	0.0123	0.0040	0.43	0.0003
N-Butane	0.0115	0.0108	0.0040	0.38	0.0002
I-Pentane	0.0097	0.0091	0.0040	0.39	0.0002
N-Pentane	0.0049	0.0046	0.0020	0.20	0.0001
Hexane Plus	0.0490	0.0462	0.0220	2.58	0.0016
Total	100.0000	94.2467	12.9250	300.45	0.8620

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

COMPRESSIBLITY FACTOR (1/Z):	1.0007	CYLINDER #:	6112
BTU/CU.FT IDEAL:	301.1	CYLINDER PRESSURE:	125 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	301.4	ANALYIS DATE:	08/28/2025
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	296.2	ANALYIS TIME:	01:11:32 PM
DRY BTU @ 15.025:	307.4	ANALYSIS RUN BY:	ALEXIS MITCHELL
REAL SPECIFIC GRAVITY:	0.8623		

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: 09/02/2025**
GC Method: C6+ Gas

HILCORP (BHD PROJECT)

WELL ANALYSIS COMPARISON

Lease:	SAN JUAN 30-5 UNIT 75; CSG	CASING	09/02/2025
Stn. No.:	API # 3003922708		35825-11440
Mtr. No.:			

Smpl Date:	08/20/2025	06/05/2019
Test Date:	08/28/2025	06/10/2019
Run No:	HS20250094	HS190120
Nitrogen:	68.6430	0.0742
CO2:	2.1584	0.7992
Methane:	28.8260	98.6873
Ethane:	0.2428	0.3470
Propane:	0.0416	0.0317
I-Butane:	0.0131	0.0239
N-Butane:	0.0115	0.0095
I-Pentane:	0.0097	0.0093
N-Pentane:	0.0049	0.0028
Hexane+:	0.0490	0.0151
BTU:	301.4	1010.4
GPM:	12.9250	17.0290
SPG:	0.8623	0.5660

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 502177

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 502177
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	Accepted for record	4/9/2026