Well Name: SJ 30-5 #60; BHD
API #: 3003921493
Source: BRADENHEAD
Sample Type: GAS

Analysis No: HS20250086
Cust No: 35825-14470

Well/Lease Information

Customer Name:	HILCORP (BHD PROJECT)	Source:	BRADENHEAD
Well Name:	SJ 30-5 #60; BHD	Well Flowing:	Y
County/State:	RIO ARRIBA NM	Pressure:	40 PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:		Ambient Temp:	94 DEG. F
Formation:	MV	Flow Rate:	MCF/D
Cust. Stn. No.:	3003921493	Sample Method:	Purge & Fill
		Sample Date:	08/20/2025
		Sample Time:	12.30 PM
	AREA 12 / RUN 1202	Sampled By:	IVAN T.
Heat Trace:	N	Sampled by (CO):	HEC
Remarks:			

Analysis

Component::	Mole%:	Unormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.4936	0.4854	0.0540	0.00	0.0048
CO2	0.0124	0.0122	0.0020	0.00	0.0002
Methane	97.3018	95.6825	16.5260	982.75	0.5390
Ethane	1.7421	1.7131	0.4670	30.83	0.0181
Propane	0.1972	0.1939	0.0540	4.96	0.0030
Iso-Butane	0.0570	0.0561	0.0190	1.85	0.0011
N-Butane	0.0272	0.0267	0.0090	0.89	0.0005
I-Pentane	0.0171	0.0168	0.0060	0.68	0.0004
N-Pentane	0.0072	0.0071	0.0030	0.29	0.0002
Hexane Plus	0.1444	0.1420	0.0650	7.61	0.0048
Total	100.0000	98.3358	17.2050	1029.87	0.5721

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

COMPRESSIBLITY FACTOR (1/Z):	1.0021	CYLINDER #:	4198
BTU/CU.FT IDEAL:	1032.2	CYLINDER PRESSURE:	34 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1034.4	ANALYIS DATE:	08/28/2025
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1016.4	ANALYIS TIME:	12:24:09 AM
DRY BTU @ 15.025:	1055.1	ANALYSIS RUN BY:	SARAH BALLARD
REAL SPECIFIC GRAVITY:	0.5731		

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:	SJ 30-5 #60; BHD	BRADENHEAD	09/02/2025
Stn. No.:	3003921493	MV	35825-14470
Mtr. No.:			

Smpl Date:	08/20/2025	06/10/2022
Test Date:	08/28/2025	06/15/2022
Run No:	HS20250086	HS20220108
Nitrogen:	0.4936	0.4915
CO2:	0.0124	0.0095
Methane:	97.3018	97.5841
Ethane:	1.7421	1.6431
Propane:	0.1972	0.1794
I-Butane:	0.0570	0.0504
N-Butane:	0.0272	0.0200
I-Pentane:	0.0171	0.0112
N-Pentane:	0.0072	0.0020
Hexane+:	0.1444	0.0088
BTU:	1034.4	1027.0
GPM:	17.2050	17.1520
SPG:	0.5731	0.5682

GAS ANALYSIS SERVICE

Well Name: SJ 30-5 #60; CSG
API #: 3003921493
Source: CASING
Sample Type: GAS

Analysis No: HS20250087
Cust No: 35825-14475

Well/Lease Information

Customer Name:	HILCORP (BHD PROJECT)	Source:	CASING
Well Name:	SJ 30-5 #60; CSG	Well Flowing:	Y
County/State:	RIO ARRIBA NM	Pressure:	118 PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:		Ambient Temp:	94 DEG. F
Formation:	MV	Flow Rate:	MCF/D
Cust. Stn. No.:	3003921493	Sample Method:	Purge & Fill
		Sample Date:	08/20/2025
		Sample Time:	12.35 PM
	AREA 12 / RUN 1202	Sampled By:	IVAN T.
Heat Trace:	N	Sampled by (CO):	
Remarks:			

Analysis

Component::	Mole%:	Unormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.0703	0.0670	0.0080	0.00	0.0007
CO2	2.1134	2.0153	0.3610	0.00	0.0321
Methane	94.4012	90.0205	16.0350	953.45	0.5229
Ethane	2.9198	2.7843	0.7820	51.67	0.0303
Propane	0.3149	0.3003	0.0870	7.92	0.0048
Iso-Butane	0.0526	0.0502	0.0170	1.71	0.0011
N-Butane	0.0287	0.0274	0.0090	0.94	0.0006
I-Pentane	0.0139	0.0133	0.0050	0.56	0.0003
N-Pentane	0.0058	0.0055	0.0020	0.23	0.0001
Hexane Plus	0.0794	0.0757	0.0350	4.19	0.0026
Total	100.0000	95.3595	17.3410	1020.67	0.5955

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

COMPRESSIBLITY FACTOR (1/Z):	1.0022	CYLINDER #:	4166
BTU/CU.FT IDEAL:	1023.0	CYLINDER PRESSURE:	101 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1025.3	ANALYIS DATE:	08/28/2025
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1007.5	ANALYIS TIME:	12:00:04 AM
DRY BTU @ 15.025:	1045.8	ANALYSIS RUN BY:	SARAH BALLARD
REAL SPECIFIC GRAVITY:	0.5966		

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:	SJ 30-5 #60; CSG	CASING	09/02/2025
Stn. No.:	3003921493	MV	35825-14475
Mtr. No.:			

Smpl Date:	08/20/2025	06/10/2022
Test Date:	08/28/2025	06/15/2022
Run No:	HS20250087	HS20220109
Nitrogen:	0.0703	0.0881
CO2:	2.1134	2.0774
Methane:	94.4012	94.4835
Ethane:	2.9198	2.9202
Propane:	0.3149	0.3104
I-Butane:	0.0526	0.0500
N-Butane:	0.0287	0.0255
I-Pentane:	0.0139	0.0095
N-Pentane:	0.0058	0.0034
Hexane+:	0.0794	0.0320
BTU:	1025.3	1023.0
GPM:	17.3410	17.3240
SPG:	0.5966	0.5948

Well Name: SJ 30-5 #60; TBG
API #: 3003921493
Source: TUBING
Sample Type: GAS

Analysis No: HS20250088
Cust No: 35825-14480

Well/Lease Information

Customer Name:	HILCORP (BHD PROJECT)	Source:	TUBING
Well Name:	SJ 30-5 #60; TBG	Well Flowing:	Y
County/State:	RIO ARRIBA NM	Pressure:	115 PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:		Ambient Temp:	94 DEG. F
Formation:	MV	Flow Rate:	MCF/D
Cust. Stn. No.:	3003921493	Sample Method:	Purge & Fill
		Sample Date:	08/20/2025
		Sample Time:	12.40 PM
	AREA 12 / RUN 1202	Sampled By:	IVAN T.
Heat Trace:	N	Sampled by (CO):	HEC
Remarks:			

Analysis

Component::	Mole%:	Unormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1017	0.1007	0.0110	0.00	0.0010
CO2	2.0184	1.9985	0.3450	0.00	0.0307
Methane	95.1849	94.2473	16.1680	961.37	0.5272
Ethane	2.2974	2.2748	0.6160	40.66	0.0239
Propane	0.2645	0.2619	0.0730	6.66	0.0040
Iso-Butane	0.0559	0.0553	0.0180	1.82	0.0011
N-Butane	0.0255	0.0252	0.0080	0.83	0.0005
I-Pentane	0.0140	0.0139	0.0050	0.56	0.0003
N-Pentane	0.0049	0.0049	0.0020	0.20	0.0001
Hexane Plus	0.0328	0.0325	0.0150	1.73	0.0011
Total	100.0000	99.0150	17.2610	1013.81	0.5900

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

COMPRESSIBLITY FACTOR (1/Z):	1.0022	CYLINDER #:	7046
BTU/CU.FT IDEAL:	1016.2	CYLINDER PRESSURE:	89 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1018.4	ANALYIS DATE:	08/28/2025
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1000.7	ANALYIS TIME:	11:38:13 AM
DRY BTU @ 15.025:	1038.8	ANALYSIS RUN BY:	SARAH BALLARD
REAL SPECIFIC GRAVITY:	0.591		

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:	SJ 30-5 #60; TBG	TUBING	09/02/2025
Stn. No.:	3003921493	MV	35825-14480
Mtr. No.:			

Smpl Date:	08/20/2025	06/10/2022
Test Date:	08/28/2025	06/15/2022
Run No:	HS20250088	HS20220110
Nitrogen:	0.1017	0.0799
CO2:	2.0184	2.0107
Methane:	95.1849	95.1546
Ethane:	2.2974	2.3441
Propane:	0.2645	0.2736
I-Butane:	0.0559	0.0556
N-Butane:	0.0255	0.0264
I-Pentane:	0.0140	0.0137
N-Pentane:	0.0049	0.0047
Hexane+:	0.0328	0.0367
BTU:	1018.4	1019.4
GPM:	17.2610	17.2690
SPG:	0.5910	0.5913

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 502170

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 502170
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

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