Well Name: ALLISON #39; BHD
API #: 3004529615
Source: BRADENHEAD
Sample Type: GAS

Analysis No: HS20260017
Cust No: 35825-14925

Well/Lease Information

Customer Name:	HILCORP (BHD PROJECT)	Source:	BRADENHEAD
Well Name:	ALLISON #39; BHD	Well Flowing:	Y
County/State:	SAN JUAN NM	Pressure:	34 PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:		Ambient Temp:	65 DEG. F
Formation:	MV/DK	Flow Rate:	20 MCF/D
Cust. Stn. No.:	3004529615	Sample Method:	Purge & Fill
	82429	Sample Date:	04/28/2026
		Sample Time:	11.15 AM
	AREA 5/RUN 508	Sampled By:	JUSTIN ARINDER
Heat Trace:	N	Sampled by (CO):	HILCORP
Remarks:			

Analysis

Component::	Mole%:	Unormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	4.1305	4.0815	0.4550	0.00	0.0400
CO2	0.0140	0.0138	0.0020	0.00	0.0002
Methane	94.9728	93.8466	16.1270	959.23	0.5261
Ethane	0.7959	0.7865	0.2130	14.09	0.0083
Propane	0.0665	0.0657	0.0180	1.67	0.0010
Iso-Butane	0.0074	0.0073	0.0020	0.24	0.0001
N-Butane	0.0065	0.0064	0.0020	0.21	0.0001
I-Pentane	0.0000	0.0000	0.0000	0.00	0.0000
N-Pentane	0.0000	0.0000	0.0000	0.00	0.0000
Hexane Plus	0.0064	0.0063	0.0030	0.34	0.0002
Total	100.0000	98.8141	16.8220	975.77	0.5760

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

COMPRESSIBLITY FACTOR (1/Z):	1.0019	CYLINDER #:	5024
BTU/CU.FT IDEAL:	978.0	CYLINDER PRESSURE:	32 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	979.9	ANALYIS DATE:	05/12/2026
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	962.8	ANALYIS TIME:	04:28:24 PM
DRY BTU @ 15.025:	999.5	ANALYSIS RUN BY:	ALEXIS MITCHELL
REAL SPECIFIC GRAVITY:	0.5768		

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: 05/19/2026**
GC Method: C6+ Gas

HILCORP (BHD PROJECT)

WELL ANALYSIS COMPARISON

Lease:	ALLISON #39; BHD	BRADENHEAD	05/19/2026
Stn. No.:	3004529615	MV/DK	35825-14925
Mtr. No.:	82429		

Smpl Date:	04/28/2026	06/21/2023
Test Date:	05/12/2026	06/28/2023
Run No:	HS20260017	HS20230072
Nitrogen:	4.1305	4.4973
CO2:	0.0140	0.0324
Methane:	94.9728	94.6314
Ethane:	0.7959	0.7651
Propane:	0.0665	0.0630
I-Butane:	0.0074	0.0090
N-Butane:	0.0065	0.0018
I-Pentane:	0.0000	0.0000
N-Pentane:	0.0000	0.0000
Hexane+:	0.0064	0.0000
BTU:	979.9	975.4
GPM:	16.8220	16.7970
SPG:	0.5768	0.5781

Well Name: ALLISON #39; TBG
API #: 3004529615
Source: TUBING
Sample Type: GAS

Analysis No: HS20260019
Cust No: 35825-14935

Well/Lease Information

Customer Name:	HILCORP (BHD PROJECT)	Source:	TUBING
Well Name:	ALLISON #39; TBG	Well Flowing:	Y
County/State:	SAN JUAN NM	Pressure:	54 PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:		Ambient Temp:	65 DEG. F
Formation:	MV/DK	Flow Rate:	20 MCF/D
Cust. Stn. No.:	3004529615	Sample Method:	Purge & Fill
	82429	Sample Date:	04/28/2026
		Sample Time:	11.40 AM
	AREA 5/RUN 508	Sampled By:	JUSTIN ARINDER
Heat Trace:	N	Sampled by (CO):	HILCORP
Remarks:			

Analysis

Component::	Mole%:	Unormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.0781	0.0781	0.0090	0.00	0.0008
CO2	1.2909	1.2909	0.2210	0.00	0.0196
Methane	94.4097	94.4098	16.0380	953.54	0.5229
Ethane	3.3953	3.3953	0.9100	60.09	0.0353
Propane	0.5875	0.5875	0.1620	14.78	0.0089
Iso-Butane	0.0861	0.0861	0.0280	2.80	0.0017
N-Butane	0.0719	0.0719	0.0230	2.35	0.0014
I-Pentane	0.0269	0.0269	0.0100	1.08	0.0007
N-Pentane	0.0113	0.0113	0.0040	0.45	0.0003
Hexane Plus	0.0423	0.0423	0.0190	2.23	0.0014
Total	100.0000	100.0001	17.4240	1037.31	0.5930

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

COMPRESSIBLITY FACTOR (1/Z):	1.0023	CYLINDER #:	6239
BTU/CU.FT IDEAL:	1039.7	CYLINDER PRESSURE:	56 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1042.0	ANALYIS DATE:	05/12/2026
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1023.9	ANALYIS TIME:	04:18:46 PM
DRY BTU @ 15.025:	1062.9	ANALYSIS RUN BY:	ALEXIS MITCHELL
REAL SPECIFIC GRAVITY:	0.5941		

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: 05/19/2026**
GC Method: C6+ Gas

HILCORP (BHD PROJECT)

WELL ANALYSIS COMPARISON

Lease:	ALLISON #39; TBG	TUBING	05/19/2026
Stn. No.:	3004529615	MV/DK	35825-14935
Mtr. No.:	82429		

Smpl Date:	04/28/2026	06/22/2023
Test Date:	05/12/2026	06/28/2023
Run No:	HS20260019	HS20230074
Nitrogen:	0.0781	0.0774
CO2:	1.2909	2.1708
Methane:	94.4097	93.9850
Ethane:	3.3953	3.1856
Propane:	0.5875	0.4146
I-Butane:	0.0861	0.0632
N-Butane:	0.0719	0.0376
I-Pentane:	0.0269	0.0157
N-Pentane:	0.0113	0.0060
Hexane+:	0.0423	0.0441
BTU:	1042.0	1027.2
GPM:	17.4240	17.3730
SPG:	0.5941	0.5988

Well Name: ALLISON #39; CSG
API #: 3004529615
Source: CASING
Sample Type: GAS

Analysis No: HS20260018
Cust No: 35825-14930

Well/Lease Information

Customer Name:	HILCORP (BHD PROJECT)	Source:	CASING
Well Name:	ALLISON #39; CSG	Well Flowing:	Y
County/State:	SAN JUAN NM	Pressure:	56 PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:		Ambient Temp:	66 DEG. F
Formation:	MV/DK	Flow Rate:	20 MCF/D
Cust. Stn. No.:	3004529615	Sample Method:	Purge & Fill
	82429	Sample Date:	04/28/2026
		Sample Time:	11.45 AM
	AREA 5/RUN 508	Sampled By:	JUSTIN ARINDER
Heat Trace:	N	Sampled by (CO):	HILCORP
Remarks:			

Analysis

Component::	Mole%:	Unormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1175	0.1168	0.0130	0.00	0.0011
CO2	1.9281	1.9161	0.3300	0.00	0.0293
Methane	92.3455	91.7685	15.6890	932.69	0.5115
Ethane	4.4281	4.4004	1.1870	78.36	0.0460
Propane	0.8225	0.8174	0.2270	20.69	0.0125
Iso-Butane	0.1222	0.1214	0.0400	3.97	0.0025
N-Butane	0.1033	0.1027	0.0330	3.37	0.0021
I-Pentane	0.0376	0.0374	0.0140	1.50	0.0009
N-Pentane	0.0178	0.0177	0.0060	0.71	0.0004
Hexane Plus	0.0774	0.0769	0.0350	4.08	0.0026
Total	100.0000	99.3753	17.5740	1045.39	0.6089

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

COMPRESSIBLITY FACTOR (1/Z):	1.0024	CYLINDER #:	6041
BTU/CU.FT IDEAL:	1047.8	CYLINDER PRESSURE:	56 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1050.3	ANALYIS DATE:	05/12/2026
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1032.0	ANALYIS TIME:	04:20:18 PM
DRY BTU @ 15.025:	1071.3	ANALYSIS RUN BY:	ALEXIS MITCHELL
REAL SPECIFIC GRAVITY:	0.6101		

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: 05/19/2026**
GC Method: C6+ Gas

HILCORP (BHD PROJECT)

WELL ANALYSIS COMPARISON

Lease:	ALLISON #39; CSG	CASING	05/19/2026
Stn. No.:	3004529615	MV/DK	35825-14930
Mtr. No.:	82429		

Smpl Date:	04/28/2026	06/22/2023
Test Date:	05/12/2026	06/28/2023
Run No:	HS20260018	HS20230073
Nitrogen:	0.1175	0.0628
CO2:	1.9281	2.3282
Methane:	92.3455	95.8698
Ethane:	4.4281	1.5067
Propane:	0.8225	0.1623
I-Butane:	0.1222	0.0276
N-Butane:	0.1033	0.0175
I-Pentane:	0.0376	0.0063
N-Pentane:	0.0178	0.0022
Hexane+:	0.0774	0.0166
BTU:	1050.3	1006.1
GPM:	17.5740	17.1620
SPG:	0.6101	0.5878

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 590603

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 590603
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
jason.heslop	Accepted for record	6/30/2026