Well Name: OHIO D GOVT 1A; BHD
API #: 3004522998
Source: BRADENHEAD
Sample Type: GAS

Analysis No: HS20260037
Cust No: 35825-15010

Well/Lease Information

Customer Name:	HILCORP (BHD PROJECT)	Source:	BRADENHEAD
Well Name:	OHIO D GOVT 1A; BHD	Well Flowing:	
County/State:		Pressure:	40 PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:	211	Ambient Temp:	DEG. F
Formation:		Flow Rate:	MCF/D
Cust. Stn. No.:	3004522998	Sample Method:	Purge & Fill
	22081	Sample Date:	05/26/2026
		Sample Time:	3.00 PM
	AREA 2 / RUN 203	Sampled By:	PETE
Heat Trace:		Sampled by (CO):	HILCORP
Remarks:			

Analysis

Component::	Mole%:	Unormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	2.8600	2.8600	0.3150	0.00	0.0277
CO2	0.0036	0.0036	0.0010	0.00	0.0001
Methane	91.0683	91.0683	15.4700	919.79	0.5044
Ethane	3.3973	3.3973	0.9100	60.12	0.0353
Propane	1.6328	1.6328	0.4510	41.08	0.0249
Iso-Butane	0.4310	0.4310	0.1410	14.02	0.0086
N-Butane	0.3193	0.3193	0.1010	10.42	0.0064
I-Pentane	0.1390	0.1390	0.0510	5.56	0.0035
N-Pentane	0.0571	0.0571	0.0210	2.29	0.0014
Hexane Plus	0.0916	0.0916	0.0410	4.83	0.0030
Total	100.0000	100.0000	17.5020	1058.11	0.6152

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

COMPRESSIBLITY FACTOR (1/Z):	1.0023	CYLINDER #:	030
BTU/CU.FT IDEAL:	1060.6	CYLINDER PRESSURE:	38 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1063.0	ANALYIS DATE:	06/04/2026
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1044.5	ANALYIS TIME:	09:43:23 AM
DRY BTU @ 15.025:	1084.3	ANALYSIS RUN BY:	ALEXIS MITCHELL
REAL SPECIFIC GRAVITY:	0.6164		

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: 06/10/2026**
GC Method: C6+ Gas

HILCORP (BHD PROJECT)

WELL ANALYSIS COMPARISON

Lease:	OHIO D GOVT 1A; BHD	BRADENHEAD	06/10/2026
Stn. No.:	3004522998		35825-15010
Mtr. No.:	22081		

Smpl Date:	05/26/2026	06/23/2023
Test Date:	06/04/2026	06/29/2023
Run No:	HS20260037	HS20230089
Nitrogen:	2.8600	2.4305
CO2:	0.0036	0.0173
Methane:	91.0683	91.8072
Ethane:	3.3973	3.3195
Propane:	1.6328	1.4626
I-Butane:	0.4310	0.3879
N-Butane:	0.3193	0.2979
I-Pentane:	0.1390	0.1199
N-Pentane:	0.0571	0.0527
Hexane+:	0.0916	0.1045
BTU:	1063.0	1062.4
GPM:	17.5020	17.4920
SPG:	0.6164	0.6117

Well Name: OHIO D GOVT 1A; TBG
API #: 3004522998
Source: TUBING
Sample Type: GAS

Analysis No: HS20260039
Cust No: 35825-15020

Well/Lease Information

Customer Name:	HILCORP (BHD PROJECT)	Source:	TUBING
Well Name:	OHIO D GOVT 1A; TBG	Well Flowing:	Y
County/State:		Pressure:	33 PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:	211	Ambient Temp:	DEG. F
Formation:		Flow Rate:	MCF/D
Cust. Stn. No.:	3004522998	Sample Method:	Purge & Fill
	22081	Sample Date:	05/26/2026
		Sample Time:	3.00 PM
	AREA 2 / RUN 203	Sampled By:	PETE
Heat Trace:	N	Sampled by (CO):	HILCORP
Remarks:			

Analysis

Component::	Mole%:	Unormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1802	0.1802	0.0200	0.00	0.0017
CO2	0.8992	0.8992	0.1540	0.00	0.0137
Methane	77.7570	77.7570	13.2330	785.35	0.4307
Ethane	10.3920	10.3920	2.7900	183.91	0.1079
Propane	5.7173	5.7173	1.5810	143.85	0.0870
Iso-Butane	1.1602	1.1602	0.3810	37.73	0.0233
N-Butane	1.6062	1.6062	0.5080	52.40	0.0322
I-Pentane	0.6150	0.6150	0.2260	24.61	0.0153
N-Pentane	0.4646	0.4646	0.1690	18.62	0.0116
Hexane Plus	1.2083	1.2083	0.5410	63.69	0.0400
Total	100.0000	100.0000	19.6030	1310.15	0.7634

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

COMPRESSIBLITY FACTOR (1/Z):	1.0041	CYLINDER #:	1091
BTU/CU.FT IDEAL:	1313.2	CYLINDER PRESSURE:	30 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1318.6	ANALYIS DATE:	06/04/2026
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1295.7	ANALYIS TIME:	09:57:42 AM
DRY BTU @ 15.025:	1345.0	ANALYSIS RUN BY:	ALEXIS MITCHELL
REAL SPECIFIC GRAVITY:	0.7663		

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: 06/10/2026**
GC Method: C6+ Gas

HILCORP (BHD PROJECT)

WELL ANALYSIS COMPARISON

Lease:	OHIO D GOVT 1A; TBG	TUBING	06/10/2026
Stn. No.:	3004522998		35825-15020
Mtr. No.:	22081		

Smpl Date:	05/26/2026	06/23/2023
Test Date:	06/04/2026	06/29/2023
Run No:	HS20260039	HS20230091
Nitrogen:	0.1802	0.1827
CO2:	0.8992	0.8632
Methane:	77.7570	78.9066
Ethane:	10.3920	10.0660
Propane:	5.7173	5.3816
I-Butane:	1.1602	1.1207
N-Butane:	1.6062	1.5612
I-Pentane:	0.6150	0.5398
N-Pentane:	0.4646	0.3956
Hexane+:	1.2083	0.9826
BTU:	1318.6	1295.2
GPM:	19.6030	19.4280
SPG:	0.7663	0.7507

Well Name: OHIO D GOVT 1A; CSG
API #: 3004522998
Source: CASING
Sample Type: GAS

Analysis No: HS20260038
Cust No: 35825-15015

Well/Lease Information

Customer Name:	HILCORP (BHD PROJECT)	Source:	CASING
Well Name:	OHIO D GOVT 1A; CSG	Well Flowing:	Y
County/State:		Pressure:	PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:	211	Ambient Temp:	DEG. F
Formation:		Flow Rate:	MCF/D
Cust. Stn. No.:	3004522998	Sample Method:	Purge & Fill
	22081	Sample Date:	05/26/2026
		Sample Time:	3.00 PM
	AREA 2 / RUN 203	Sampled By:	PETE
Heat Trace:	N	Sampled by (CO):	HILCORP
Remarks:			

Analysis

Component::	Mole%:	Unormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.2287	0.2271	0.0250	0.00	0.0022
CO2	0.5492	0.5454	0.0940	0.00	0.0083
Methane	76.9641	76.4338	13.0990	777.34	0.4263
Ethane	10.5428	10.4701	2.8310	186.58	0.1095
Propane	6.4816	6.4369	1.7930	163.08	0.0987
Iso-Butane	1.3629	1.3535	0.4480	44.32	0.0274
N-Butane	1.7237	1.7118	0.5460	56.23	0.0346
I-Pentane	0.6507	0.6462	0.2390	26.03	0.0162
N-Pentane	0.4922	0.4888	0.1790	19.73	0.0123
Hexane Plus	1.0041	0.9972	0.4500	52.93	0.0332
Total	100.0000	99.3108	19.7040	1326.24	0.7686

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

COMPRESSIBLITY FACTOR (1/Z):	1.0042	CYLINDER #:	068
BTU/CU.FT IDEAL:	1329.3	CYLINDER PRESSURE:	32 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1334.9	ANALYIS DATE:	06/04/2026
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1311.7	ANALYIS TIME:	09:59:36 AM
DRY BTU @ 15.025:	1361.6	ANALYSIS RUN BY:	SARAH BALLARD
REAL SPECIFIC GRAVITY:	0.7716		

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: 06/10/2026**
GC Method: C6+ Gas

HILCORP (BHD PROJECT)

WELL ANALYSIS COMPARISON

Lease:	OHIO D GOVT 1A; CSG	CASING	06/10/2026
Stn. No.:	3004522998		35825-15015
Mtr. No.:	22081		

Smpl Date:	05/26/2026	06/23/2023
Test Date:	06/04/2026	06/29/2023
Run No:	HS20260038	HS20230090
Nitrogen:	0.2287	0.2476
CO2:	0.5492	0.5306
Methane:	76.9641	76.5291
Ethane:	10.5428	9.9474
Propane:	6.4816	6.5912
I-Butane:	1.3629	1.3997
N-Butane:	1.7237	1.8652
I-Pentane:	0.6507	0.7478
N-Pentane:	0.4922	0.6145
Hexane+:	1.0041	1.5269
BTU:	1334.9	1365.4
GPM:	19.7040	19.8730
SPG:	0.7716	0.7911

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 595170

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 595170
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

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