



Well Name: DELHI COM 1; INT
 API #: 3004509465
 Source: INTERMEDIATE CASING
 Sample Type: GAS
 Analysis No: HS20230093
 Cust No: 35825-13035

Well/Lease Information

Customer Name:	HILCORP (BHD PROJECT)	Source:	INTERMEDIATE CASING
Well Name:	DELHI COM 1; INT	Well Flowing:	Y
County/State:		Pressure:	315 PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:		Ambient Temp:	96 DEG. F
Formation:	MV	Flow Rate:	MCF/D
Cust. Stn. No.:	3004509465	Sample Method:	Purge & Fill
	70-927-01	Sample Date:	06/26/2023
	AREA 4 / RUN 0409	Sample Time:	2.05 PM
Heat Trace:	N	Sampled By:	DUSTIN TITUS
Remarks:		Sampled by (CO):	HILCORP

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3768	0.3702	0.0420	0.00	0.0036
CO2	1.0495	1.0313	0.1800	0.00	0.0159
Methane	91.3046	89.7170	15.5150	922.18	0.5057
Ethane	3.2562	3.1996	0.8730	57.62	0.0338
Propane	2.2824	2.2427	0.6300	57.43	0.0347
Iso-Butane	0.5597	0.5500	0.1840	18.20	0.0112
N-Butane	0.6076	0.5970	0.1920	19.82	0.0122
I-Pentane	0.2093	0.2057	0.0770	8.37	0.0052
N-Pentane	0.1256	0.1234	0.0460	5.03	0.0031
Hexane Plus	0.2283	0.2243	0.1020	12.03	0.0076
Total	100.0000	98.2612	17.8410	1100.69	0.6332

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0026
 BTU/CU.FT IDEAL: 1103.2
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1106.1
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1086.9
 DRY BTU @ 15.025: 1128.3
 REAL SPECIFIC GRAVITY: 0.6346

CYLINDER #: 2195
 CYLINDER PRESSURE: 293 PSIG
 ANALYSIS DATE: 06/29/2023
 ANALYSIS TIME: 03:14:14 AM
 ANALYSIS RUN BY: SARAH BALLARD

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: 07/06/2023

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease:	DELHI COM 1; INT	INTERMEDIATE CASING	07/06/2023
Stn. No.:	3004509465	MV	35825-13035
Mtr. No.:	70-927-01		

Smpl Date:	06/26/2023	08/25/2020
Test Date:	06/29/2023	08/28/2020
Run No:	HS20230093	HS200228
Nitrogen:	0.3768	0.5571
CO2:	1.0495	1.4317
Methane:	91.3046	89.7009
Ethane:	3.2562	4.2176
Propane:	2.2824	2.4721
I-Butane:	0.5597	0.5498
N-Butane:	0.6076	0.5625
I-Pentane:	0.2093	0.1930
N-Pentane:	0.1256	0.1130
Hexane+:	0.2283	0.2023
BTU:	1106.1	1107.5
GPM:	17.8410	17.9240
SPG:	0.6346	0.6435



Well Name: DELHI COM #1; TBG

API #: 3004509465

Source: TUBING

Sample Type: GAS

Analysis No: HS20230094

Cust No: 35825-13040

Well/Lease Information

Customer Name: HILCORP (BHD PROJECT)

Well Name: DELHI COM #1; TBG

County/State:

Location:

Lease/PA/CA:

Formation: MV

Cust. Stn. No.: 3004509465

70-927-01

AREA 4 / RUN 0409

Heat Trace: N

Remarks:

Source: TUBING

Well Flowing: Y

Pressure: 95 PSIG

Flow Temp: 100 DEG. F

Ambient Temp: 96 DEG. F

Flow Rate: 68 MCF/D

Sample Method: Purge & Fill

Sample Date: 06/26/2023

Sample Time: 2.12 PM

Sampled By: DUSTIN TITUS

Sampled by (CO): HILCORP

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1337	0.1308	0.0150	0.00	0.0013
CO2	1.2800	1.2520	0.2190	0.00	0.0194
Methane	84.0107	82.1740	14.2860	848.51	0.4653
Ethane	7.7307	7.5617	2.0740	136.81	0.0803
Propane	3.5155	3.4386	0.9710	88.45	0.0535
Iso-Butane	0.7673	0.7505	0.2520	24.95	0.0154
N-Butane	1.0514	1.0284	0.3320	34.30	0.0211
I-Pentane	0.3783	0.3700	0.1390	15.14	0.0094
N-Pentane	0.2715	0.2656	0.0990	10.88	0.0068
Hexane Plus	0.8609	0.8421	0.3850	45.38	0.0285
Total	100.0000	97.8137	18.7720	1204.42	0.7010

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0033
 BTU/CU.FT IDEAL: 1207.2
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1211.2
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1190.1
 DRY BTU @ 15.025: 1235.5
 REAL SPECIFIC GRAVITY: 0.7031

CYLINDER #: 1881
 CYLINDER PRESSURE: 69 PSIG
 ANALYSIS DATE: 06/29/2023
 ANALYSIS TIME: 03:11:55 PM
 ANALYSIS RUN BY: RICHARD WILSON

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: 07/06/2023

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease:	DELHI COM #1; TBG	TUBING	07/06/2023
Stn. No.:	3004509465	MV	35825-13040
Mtr. No.:	70-927-01		

Smpl Date:	06/26/2023	08/25/2020
Test Date:	06/29/2023	08/28/2020
Run No:	HS20230094	HS200229
Nitrogen:	0.1337	0.1579
CO2:	1.2800	1.3584
Methane:	84.0107	83.9422
Ethane:	7.7307	7.8447
Propane:	3.5155	3.5925
I-Butane:	0.7673	0.7331
N-Butane:	1.0514	0.9760
I-Pentane:	0.3783	0.3718
N-Pentane:	0.2715	0.2732
Hexane+:	0.8609	0.7502
BTU:	1211.2	1204.8
GPM:	18.7720	18.7420
SPG:	0.7031	0.7005



Well Name: DELHI COM 1; CSG

API #: 3004509465

Source: CASING

Sample Type: GAS

Analysis No: HS20230092

Cust No: 35825-13030

Well/Lease Information

Customer Name: HILCORP (BHD PROJECT)

Well Name: DELHI COM 1; CSG

County/State:

Location:

Lease/PA/CA:

Formation: MV

Cust. Stn. No.: 3004509465

70-927-01

AREA 4 / RUN 0409

Heat Trace: N

Remarks:

Source: CASING

Well Flowing: Y

Pressure: 95 PSIG

Flow Temp: 100 DEG. F

Ambient Temp: 95 DEG. F

Flow Rate: 66 MCF/D

Sample Method: Purge & Fill

Sample Date: 06/26/2023

Sample Time: 2.00 PM

Sampled By: DUSTIN TITUS

Sampled by (CO): HILCORP

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1342	0.1319	0.0150	0.00	0.0013
CO2	0.6023	0.5921	0.1030	0.00	0.0092
Methane	85.5100	84.0620	14.5410	863.65	0.4736
Ethane	7.2700	7.1469	1.9500	128.66	0.0755
Propane	3.2786	3.2231	0.9060	82.49	0.0499
Iso-Butane	0.7538	0.7410	0.2470	24.51	0.0151
N-Butane	0.9488	0.9327	0.3000	30.95	0.0190
I-Pentane	0.3597	0.3536	0.1320	14.39	0.0090
N-Pentane	0.2654	0.2609	0.0960	10.64	0.0066
Hexane Plus	0.8772	0.8623	0.3920	46.24	0.0290
Total	100.0000	98.3065	18.6820	1201.53	0.6883

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0033
 BTU/CU.FT IDEAL: 1204.3
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1208.2
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1187.2
 DRY BTU @ 15.025: 1232.4
 REAL SPECIFIC GRAVITY: 0.6902

CYLINDER #: 030
 CYLINDER PRESSURE: 86 PSIG
 ANALYSIS DATE: 06/29/2023
 ANALYSIS TIME: 03:26:42 PM
 ANALYSIS RUN BY: SARAH BALLARD

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: 07/06/2023

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease:	DELHI COM 1; CSG	CASING	07/06/2023
Stn. No.:	3004509465	MV	35825-13030
Mtr. No.:	70-927-01		

Smpl Date:	06/26/2023	08/25/2020
Test Date:	06/29/2023	08/28/2020
Run No:	HS20230092	HS200227
Nitrogen:	0.1342	0.1542
CO2:	0.6023	1.3778
Methane:	85.5100	83.8668
Ethane:	7.2700	7.8281
Propane:	3.2786	3.5566
I-Butane:	0.7538	0.7256
N-Butane:	0.9488	0.9853
I-Pentane:	0.3597	0.3806
N-Pentane:	0.2654	0.2771
Hexane+:	0.8772	0.8479
BTU:	1208.2	1208.6
GPM:	18.6820	18.7670
SPG:	0.6902	0.7032

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 239892

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 239892
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	None	7/24/2023