



NMOCD REC'D
9/29/20

Well Name: DELHI COM 1; CSG
API #: API # 3004509465
Source: CASING
Sample Type: GAS
Analysis No: HS200227
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.: API # 3004509465
70-927-01

Source: CASING
Well Flowing:
Pressure: 65 PSIG
Flow Temp: DEG. F
Ambient Temp: DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 08/25/2020
Sample Time: 1.03 PM
Sampled By: RAMON FLOREZ
Sampled by (CO): HILCORP

AREA 4 / RUN 0409

Heat Trace:

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1542	0.1513	0.0170	0.00	0.0015
CO2	1.3778	1.3515	0.2360	0.00	0.0209
Methane	83.8668	82.2684	14.2610	847.05	0.4645
Ethane	7.8281	7.6789	2.1000	138.53	0.0813
Propane	3.5566	3.4888	0.9830	89.49	0.0541
Iso-Butane	0.7256	0.7118	0.2380	23.60	0.0146
N-Butane	0.9853	0.9665	0.3120	32.14	0.0198
I-Pentane	0.3806	0.3733	0.1400	15.23	0.0095
N-Pentane	0.2771	0.2718	0.1010	11.11	0.0069
Hexane Plus	0.8479	0.8317	0.3790	44.69	0.0281
Total	100.0000	98.0940	18.7670	1201.84	0.7012

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0033
BTU/CU.FT IDEAL: 1204.6
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1208.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1187.6
DRY BTU @ 15.025: 1232.8
REAL SPECIFIC GRAVITY: 0.7032

CYLINDER #: 7055
CYLINDER PRESSURE: 62 PSIG
ANALYSIS DATE: 08/28/2020
ANALYSIS TIME: 03:23:48 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: 09/03/2020

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease: DELHI COM 1; CSG
Stn. No.: API # 3004509465
Mtr. No.: 70-927-01

CASING
MV

09/03/2020
35825-13030

Smpl Date: 08/25/2020
Test Date: 08/28/2020
Run No: HS200227

Nitrogen: 0.1542
CO2: 1.3778
Methane: 83.8668
Ethane: 7.8281
Propane: 3.5566
I-Butane: 0.7256
N-Butane: 0.9853
I-Pentane: 0.3806
N-Pentane: 0.2771
Hexane+: 0.8479

BTU: 1208.6
GPM: 18.7670
SPG: 0.7032



Well Name: DELHI COM 1; INT
 API #: API # 3004509465
 Source: INTERMEDIATE CASING
 Sample Type: GAS
 Analysis No: HS200228
 Cust No: 35825-13035

Well/Lease Information

Customer Name: HILCORP (BHD PROJECT)	Source: INTERMEDIATE CASING
Well Name: DELHI COM 1; INT	Well Flowing:
County/State:	Pressure: 244 PSIG
Location:	Flow Temp: DEG. F
Lease/PA/CA:	Ambient Temp: DEG. F
Formation: MV	Flow Rate: MCF/D
Cust. Stn. No.: API # 3004509465	Sample Method: Purge & Fill
70-927-01	Sample Date: 08/25/2020
	Sample Time: 12.21 PM
AREA 4 / RUN 0409	Sampled By: RAMON FLOREZ
Heat Trace:	Sampled by (CO): HILCORP
Remarks:	

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.5571	0.5564	0.0610	0.00	0.0054
CO2	1.4317	1.4299	0.2450	0.00	0.0218
Methane	89.7009	89.5907	15.2440	905.98	0.4969
Ethane	4.2176	4.2124	1.1310	74.64	0.0438
Propane	2.4721	2.4691	0.6830	62.20	0.0376
Iso-Butane	0.5498	0.5491	0.1800	17.88	0.0110
N-Butane	0.5625	0.5618	0.1780	18.35	0.0113
I-Pentane	0.1930	0.1928	0.0710	7.72	0.0048
N-Pentane	0.1130	0.1129	0.0410	4.53	0.0028
Hexane Plus	0.2023	0.2021	0.0900	10.66	0.0067
Total	100.0000	99.8772	17.9240	1101.96	0.6421

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0027	CYLINDER #:	6151
BTU/CU.FT IDEAL:	1104.5	CYLINDER PRESSURE:	229 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1107.5	ANALYSIS DATE:	08/28/2020
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1088.2	ANALYSIS TIME:	12:43:50 AM
DRY BTU @ 15.025:	1129.7	ANALYSIS RUN BY:	RICHARD WILSON
REAL SPECIFIC GRAVITY:	0.6435		

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: 09/03/2020

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease: DELHI COM 1; INT
Stn. No.: API # 3004509465
Mtr. No.: 70-927-01

INTERMEDIATE CASING
MV

09/03/2020
35825-13035

Smpl Date: 08/25/2020
Test Date: 08/28/2020
Run No: HS200228

Nitrogen: 0.5571
CO2: 1.4317
Methane: 89.7009
Ethane: 4.2176
Propane: 2.4721
I-Butane: 0.5498
N-Butane: 0.5625
I-Pentane: 0.1930
N-Pentane: 0.1130
Hexane+: 0.2023

BTU: 1107.5
GPM: 17.9240
SPG: 0.6435



Well Name: DELHI COM #1; TBG
 API #: API # 3004509465
 Source: TUBING
 Sample Type: GAS
 Analysis No: HS200229
 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.: API # 3004509465
 70-927-01

Source: TUBING
 Well Flowing:
 Pressure: 65 PSIG
 Flow Temp: DEG. F
 Ambient Temp: DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 08/25/2020
 Sample Time: 12.27 PM
 Sampled By: RAMON FLOREZ
 Sampled by (CO): HILCORP

AREA 4 / RUN 0409

Heat Trace:

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1579	0.1549	0.0170	0.00	0.0015
CO2	1.3584	1.3329	0.2330	0.00	0.0206
Methane	83.9422	82.3683	14.2740	847.82	0.4650
Ethane	7.8447	7.6976	2.1040	138.83	0.0814
Propane	3.5925	3.5251	0.9930	90.39	0.0547
Iso-Butane	0.7331	0.7194	0.2410	23.84	0.0147
N-Butane	0.9760	0.9577	0.3090	31.84	0.0196
I-Pentane	0.3718	0.3648	0.1360	14.88	0.0093
N-Pentane	0.2732	0.2681	0.0990	10.95	0.0068
Hexane Plus	0.7502	0.7361	0.3360	39.54	0.0248
Total	100.0000	98.1249	18.7420	1198.09	0.6985

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0033
 BTU/CU.FT IDEAL: 1200.9
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1204.8
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1183.8
 DRY BTU @ 15.025: 1228.9
 REAL SPECIFIC GRAVITY: 0.7005

CYLINDER #: 7057
 CYLINDER PRESSURE: 62 PSIG
 ANALYSIS DATE: 08/28/2020
 ANALYSIS TIME: 03:38:15 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: 09/03/2020

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease: DELHI COM #1; TBG
Stn. No.: API # 3004509465
Mtr. No.: 70-927-01

TUBING
MV

09/03/2020
35825-13040

Smpl Date: 08/25/2020
Test Date: 08/28/2020
Run No: HS200229

Nitrogen: 0.1579
CO2: 1.3584
Methane: 83.9422
Ethane: 7.8447
Propane: 3.5925
I-Butane: 0.7331
N-Butane: 0.9760
I-Pentane: 0.3718
N-Pentane: 0.2732
Hexane+: 0.7502

BTU: 1204.8
GPM: 18.7420
SPG: 0.7005