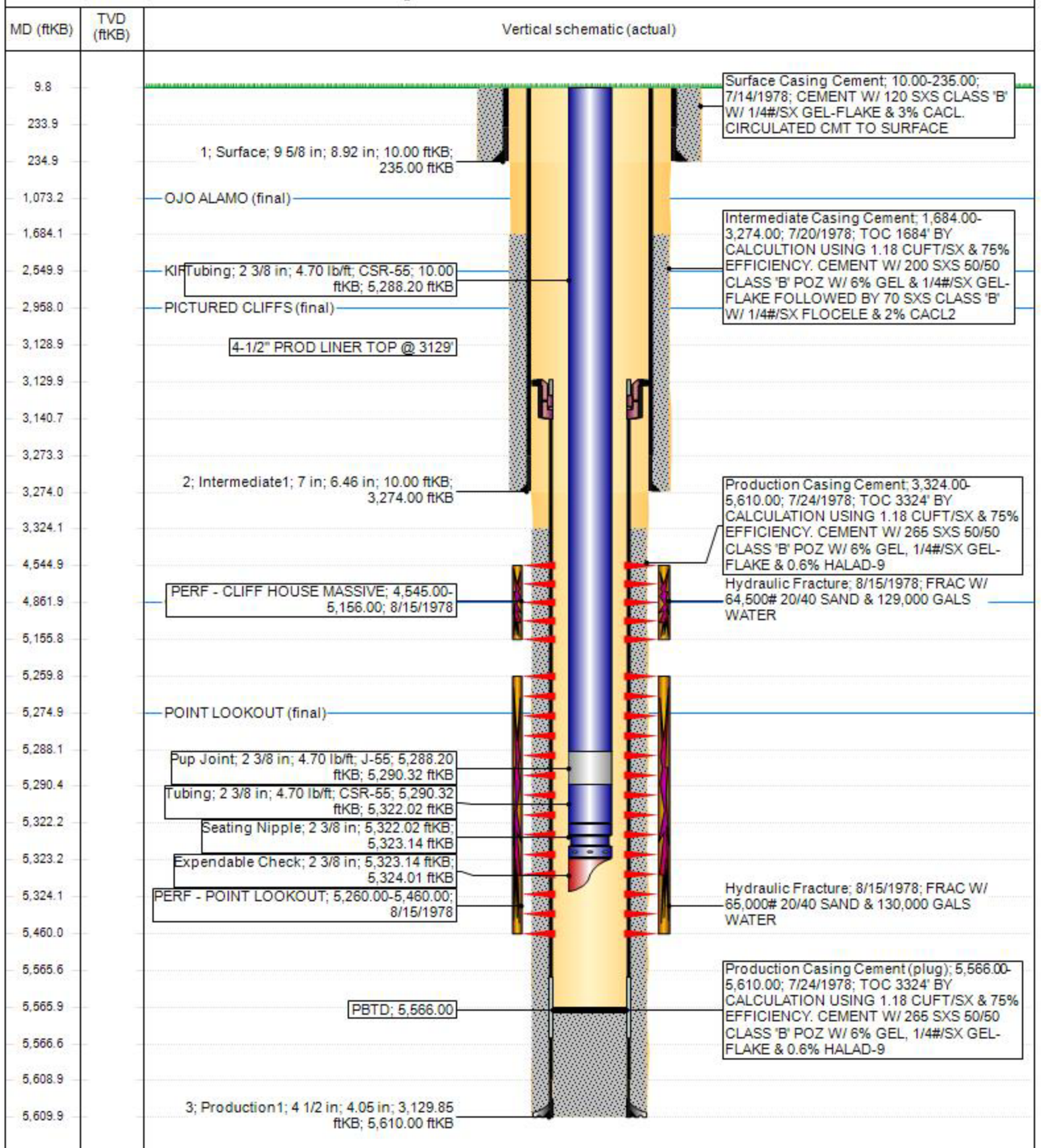


Well Name: PAGE #2A

API / UWI 3004523067	Surface Legal Location 007-032N-010W-1	Field Name BLANCO MESAVERDE (PRORATED GAS)	Route 0104	State/Province NEW MEXICO	Well Configuration Type
Ground Elevation (ft) 6,232.00	Original KB/RT Elevation (ft) 6,242.00	KB-Ground Distance (ft) 10.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	

Original Hole, 5/29/2020 1:19:36 PM





Well Name: PAGE 2A; BHD
API #: API # 3004523067
Source: BRADENHEAD
Sample Type: GAS
Analysis No: HS200021
Cust No: 35825-12135

Well/Lease Information

Customer Name: HILCORP (BHD PROJECT)
Well Name: PAGE 2A; BHD
County/State: SAN JUAN NM
Location:
Lease/PA/CA:
Formation: MV
Cust. Stn. No.: API # 3004523067
3463830

Source: BRADENHEAD
Well Flowing:
Pressure: PSIG
Flow Temp: DEG. F
Ambient Temp: DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 05/21/2020
Sample Time: 11.15 AM
Sampled By: AUSTIN HAWS
Sampled by (CO): HILCORP

RUN 1 / AREA 104

Heat Trace:

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.2092	0.2066	0.0230	0.00	0.0020
CO2	0.0067	0.0066	0.0010	0.00	0.0001
Methane	90.6073	89.4999	15.3980	915.13	0.5019
Ethane	4.9934	4.9324	1.3390	88.37	0.0518
Propane	2.3658	2.3369	0.6530	59.53	0.0360
Iso-Butane	0.4870	0.4810	0.1600	15.84	0.0098
N-Butane	0.6078	0.6004	0.1920	19.83	0.0122
I-Pentane	0.2179	0.2152	0.0800	8.72	0.0054
N-Pentane	0.1508	0.1490	0.0550	6.05	0.0038
Hexane Plus	0.3541	0.3498	0.1580	18.66	0.0117
Total	100.0000	98.7778	18.0590	1132.12	0.6347

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0027
BTU/CU.FT IDEAL: 1134.7
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1137.8
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1118.0
DRY BTU @ 15.025: 1160.6
REAL SPECIFIC GRAVITY: 0.6362

CYLINDER #: 6230
CYLINDER PRESSURE: PSIG
ANALYSIS DATE: 05/27/2020
ANALYSIS TIME: 10:35:34 AM
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: 05/28/2020

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease:	PAGE 2A; BHD	BRADENHEAD	05/28/2020
Stn. No.:	API # 3004523067	MV	35825-12135
Mtr. No.:	3463830		

Smpl Date: 05/21/2020
Test Date: 05/27/2020
Run No: HS200021

Nitrogen: 0.2092
CO2: 0.0067
Methane: 90.6073
Ethane: 4.9934
Propane: 2.3658
I-Butane: 0.4870
N-Butane: 0.6078
I-Pentane: 0.2179
N-Pentane: 0.1508
Hexane+: 0.3541

BTU: 1137.8
GPM: 18.0590
SPG: 0.6362



Well Name: PAGE 2A; CSG
 API #: API #3004523067
 Source: CASING
 Sample Type: GAS
 Analysis No: HS200022
 Cust No: 35825-12140

Well/Lease Information

Customer Name: HILCORP (BHD PROJECT)
 Well Name: PAGE 2A; CSG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation: MV
 Cust. Stn. No.: API #3004523067
 3463830

Source: CASING
 Well Flowing:
 Pressure: PSIG
 Flow Temp: DEG. F
 Ambient Temp: DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/21/2020
 Sample Time: 11.27 AM
 Sampled By: AUSTIN HAWS
 Sampled by (CO): HILCORP

RUN 1 / 104

Heat Trace:
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1209	0.1203	0.0130	0.00	0.0012
CO2	0.7907	0.7867	0.1350	0.00	0.0120
Methane	92.1936	91.7294	15.6650	931.16	0.5107
Ethane	4.1655	4.1445	1.1170	73.72	0.0432
Propane	1.5163	1.5087	0.4190	38.15	0.0231
Iso-Butane	0.3074	0.3059	0.1010	10.00	0.0062
N-Butane	0.3466	0.3449	0.1100	11.31	0.0070
I-Pentane	0.1364	0.1357	0.0500	5.46	0.0034
N-Pentane	0.0927	0.0922	0.0340	3.72	0.0023
Hexane Plus	0.3299	0.3282	0.1470	17.39	0.0109
Total	100.0000	99.4965	17.7910	1090.89	0.6199

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0025
 BTU/CU.FT IDEAL: 1093.4
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1096.2
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1077.1
 DRY BTU @ 15.025: 1118.2
 REAL SPECIFIC GRAVITY: 0.6212

CYLINDER #: 4054
 CYLINDER PRESSURE: 87 PSIG
 ANALYSIS DATE: 05/27/2020
 ANALYSIS TIME: 10:43:46 AM
 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: 05/28/2020

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease: PAGE 2A; CSG
Stn. No.: API #3004523067
Mtr. No.: 3463830

CASING
MV

05/28/2020
35825-12140

Smpl Date: 05/21/2020
Test Date: 05/27/2020
Run No: HS200022

Nitrogen: 0.1209
CO2: 0.7907
Methane: 92.1936
Ethane: 4.1655
Propane: 1.5163
I-Butane: 0.3074
N-Butane: 0.3466
I-Pentane: 0.1364
N-Pentane: 0.0927
Hexane+: 0.3299

BTU: 1096.2
GPM: 17.7910
SPG: 0.6212



Well Name: PAGE 2A; TBG
 API #: API #3004523067
 Source: TUBING
 Sample Type: GAS
 Analysis No: HS200023
 Cust No: 35825-12145

Well/Lease Information

Customer Name: HILCORP (BHD PROJECT)
 Well Name: PAGE 2A; TBG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation: MV
 Cust. Stn. No.: API #3004523067
 3463830

Source: TUBING
 Well Flowing:
 Pressure: PSIG
 Flow Temp: DEG. F
 Ambient Temp: DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/21/2020
 Sample Time: 11.20 AM
 Sampled By: AUSTIN HAWS
 Sampled by (CO): HILCORP

RUN 1 / AREA 104

Heat Trace:
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.0729	0.0724	0.0080	0.00	0.0007
CO2	2.3520	2.3371	0.4020	0.00	0.0357
Methane	92.1004	91.5171	15.6470	930.21	0.5101
Ethane	3.9388	3.9139	1.0560	69.70	0.0409
Propane	0.8726	0.8671	0.2410	21.96	0.0133
Iso-Butane	0.1999	0.1986	0.0660	6.50	0.0040
N-Butane	0.1477	0.1468	0.0470	4.82	0.0030
I-Pentane	0.0819	0.0814	0.0300	3.28	0.0020
N-Pentane	0.0388	0.0386	0.0140	1.56	0.0010
Hexane Plus	0.1950	0.1938	0.0870	10.28	0.0065
Total	100.0000	99.3668	17.5980	1048.30	0.6172

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0024
 BTU/CU.FT IDEAL: 1050.7
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1053.3
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1035.0
 DRY BTU @ 15.025: 1074.4
 REAL SPECIFIC GRAVITY: 0.6184

CYLINDER #: 4094
 CYLINDER PRESSURE: 82 PSIG
 ANALYSIS DATE: 05/27/2020
 ANALYSIS TIME: 10:20:28 AM
 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: 05/28/2020

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease:	PAGE 2A; TBG	TUBING	05/28/2020
Stn. No.:	API #3004523067	MV	35825-12145
Mtr. No.:	3463830		

Smpl Date:	05/21/2020
Test Date:	05/27/2020
Run No:	HS200023
Nitrogen:	0.0729
CO2:	2.3520
Methane:	92.1004
Ethane:	3.9388
Propane:	0.8726
I-Butane:	0.1999
N-Butane:	0.1477
I-Pentane:	0.0819
N-Pentane:	0.0388
Hexane+:	0.1950
BTU:	1053.3
GPM:	17.5980
SPG:	0.6184