



Well Name: J.E. DECKER 1A; BHD

API #: 3004523080

Source: BRADENHEAD

Sample Type: GAS

Analysis No: PE20230008

Cust No: 62600-10045

Well/Lease Information

Customer Name: PINELAND ENERGY
 Well Name: J.E. DECKER 1A; BHD
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation: MESA VERDE
 Cust. Stn. No.: 3004523080

Source: BRADENHEAD
 Well Flowing:
 Pressure: 185 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 70 DEG. F
 Flow Rate: 0 MCF/D
 Sample Method: Purge & Fill
 Sample Date: 10/13/2023
 Sample Time: 3.00 PM
 Sampled By: JACOB/CULAN
 Sampled by (CO): PINELAND ENERGY

Heat Trace:

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.4088	0.4100	0.0450	0.00	0.0040
CO2	0.3665	0.3676	0.0630	0.00	0.0056
Methane	87.8857	88.1464	14.9390	887.65	0.4868
Ethane	5.8342	5.8515	1.5640	103.25	0.0606
Propane	3.4816	3.4919	0.9620	87.60	0.0530
Iso-Butane	0.7314	0.7336	0.2400	23.78	0.0147
N-Butane	0.7004	0.7025	0.2210	22.85	0.0141
I-Pentane	0.2115	0.2121	0.0780	8.46	0.0053
N-Pentane	0.1157	0.1160	0.0420	4.64	0.0029
Hexane Plus	0.2642	0.2650	0.1180	13.93	0.0087
Total	100.0000	100.2966	18.2720	1152.15	0.6555

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0029
 BTU/CU.FT IDEAL: 1154.8
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1158.2
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1138.0
 DRY BTU @ 15.025: 1181.4
 REAL SPECIFIC GRAVITY: 0.6572

CYLINDER #: 2190
 CYLINDER PRESSURE: 153 PSIG
 ANALYSIS DATE: 10/18/2023
 ANALYSIS TIME: 10:31:32 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: 10/25/2023

GC Method: C6+ Gas



PINELAND ENERGY
WELL ANALYSIS COMPARISON

Lease: J.E. DECKER 1A; BHD
Stn. No.: 3004523080
Mtr. No.:

BRADENHEAD
MESA VERDE

10/25/2023
62600-10045

Smpl Date: 10/13/2023
Test Date: 10/18/2023
Run No: PE20230008

Nitrogen: 0.4088
CO2: 0.3665
Methane: 87.8857
Ethane: 5.8342
Propane: 3.4816
I-Butane: 0.7314
N-Butane: 0.7004
I-Pentane: 0.2115
N-Pentane: 0.1157
Hexane+: 0.2642

BTU: 1158.2
GPM: 18.2720
SPG: 0.6572



Well Name: J.E. DECKER 1A; CSG

API #: 3004523080

Source: CASING

Sample Type: GAS

Analysis No: PE20230009

Cust No: 62600-10040

Well/Lease Information

Customer Name: PINELAND ENERGY
 Well Name: J.E. DECKER 1A; CSG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation: MESA VERDE
 Cust. Stn. No.: 3004523080

Source: CASING
 Well Flowing:
 Pressure: 220 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 70 DEG. F
 Flow Rate: 0 MCF/D
 Sample Method: Purge & Fill
 Sample Date: 10/13/2023
 Sample Time: 3.00 PM
 Sampled By: JACOB/CULLAN
 Sampled by (CO): PINELAND ENERGY

Heat Trace:

Remarks:

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.4024	0.4041	0.0440	0.00	0.0039
CO2	0.3973	0.3990	0.0680	0.00	0.0060
Methane	86.6225	86.9894	14.7270	874.89	0.4798
Ethane	5.8908	5.9158	1.5800	104.25	0.0612
Propane	3.7347	3.7505	1.0320	93.97	0.0569
Iso-Butane	0.8618	0.8655	0.2830	28.02	0.0173
N-Butane	0.8861	0.8899	0.2800	28.91	0.0178
I-Pentane	0.3592	0.3607	0.1320	14.37	0.0089
N-Pentane	0.2333	0.2343	0.0850	9.35	0.0058
Hexane Plus	0.6119	0.6145	0.2740	32.25	0.0203
Total	100.0000	100.4237	18.5050	1186.01	0.6778

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0031
 BTU/CU.FT IDEAL: 1188.8
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1192.5
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1171.8
 DRY BTU @ 15.025: 1216.4
 REAL SPECIFIC GRAVITY: 0.6797

CYLINDER #: 2061
 CYLINDER PRESSURE: 212 PSIG
 ANALYSIS DATE: 10/18/2023
 ANALYSIS TIME: 10:39:07 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: 10/25/2023

GC Method: C6+ Gas



PINELAND ENERGY
WELL ANALYSIS COMPARISON

Lease: J.E. DECKER 1A; CSG
Stn. No.: 3004523080
Mtr. No.:

CASING
MESA VERDE

10/25/2023
62600-10040

Smpl Date: 10/13/2023
Test Date: 10/18/2023
Run No: PE20230009

Nitrogen: 0.4024
CO2: 0.3973
Methane: 86.6225
Ethane: 5.8908
Propane: 3.7347
I-Butane: 0.8618
N-Butane: 0.8861
I-Pentane: 0.3592
N-Pentane: 0.2333
Hexane+: 0.6119

BTU: 1192.5
GPM: 18.5050
SPG: 0.6797



Well Name: J.E. DECKER 1A; TBG

API #: 3004523080

Source: TUBING

Sample Type: GAS

Analysis No: PE20230010

Cust No: 62600-10030

Well/Lease Information

Customer Name: PINELAND ENERGY
 Well Name: J.E. DECKER 1A; TBG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation: MESA VERDE
 Cust. Stn. No.: 3004523080

Source: TUBING
 Well Flowing:
 Pressure: 135 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 70 DEG. F
 Flow Rate: 0 MCF/D
 Sample Method: Purge & Fill
 Sample Date: 10/13/2023
 Sample Time: 3.00 PM
 Sampled By: JACOB/CULLAN
 Sampled by (CO): PINELAND ENERGY

Heat Trace:

Remarks:

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1558	0.1572	0.0170	0.00	0.0015
CO2	1.4922	1.5058	0.2550	0.00	0.0227
Methane	81.2288	81.9672	13.8140	820.41	0.4499
Ethane	9.6847	9.7727	2.5980	171.39	0.1005
Propane	4.7686	4.8119	1.3180	119.98	0.0726
Iso-Butane	0.8743	0.8822	0.2870	28.43	0.0175
N-Butane	1.0616	1.0713	0.3360	34.63	0.0213
I-Pentane	0.1719	0.1735	0.0630	6.88	0.0043
N-Pentane	0.1176	0.1187	0.0430	4.71	0.0029
Hexane Plus	0.4445	0.4485	0.1990	23.43	0.0147
Total	100.0000	100.9090	18.9300	1209.87	0.7080

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0034
 BTU/CU.FT IDEAL: 1212.7
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1216.8
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1195.6
 DRY BTU @ 15.025: 1241.2
 REAL SPECIFIC GRAVITY: 0.7102

CYLINDER #: 2059
 CYLINDER PRESSURE: 112 PSIG
 ANALYSIS DATE: 10/18/2023
 ANALYSIS TIME: 10:47:12 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: 10/25/2023

GC Method: C6+ Gas



PINELAND ENERGY
WELL ANALYSIS COMPARISON

Lease: J.E. DECKER 1A; TBG
Stn. No.: 3004523080
Mtr. No.:

TUBING
MESA VERDE

10/25/2023
62600-10030

Smpl Date: 10/13/2023
Test Date: 10/18/2023
Run No: PE20230010

Nitrogen: 0.1558
CO2: 1.4922
Methane: 81.2288
Ethane: 9.6847
Propane: 4.7686
I-Butane: 0.8743
N-Butane: 1.0616
I-Pentane: 0.1719
N-Pentane: 0.1176
Hexane+: 0.4445

BTU: 1216.8
GPM: 18.9300
SPG: 0.7102

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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 308331

CONDITIONS

Operator: Pineland Operating Company, LLC 6940 Truxton Drive Dallas, TX 75231	OGRID: 331963
	Action Number: 308331
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	approved for record	3/14/2024