



Well Name: NELLIE PLATERO 8; BHD
 API #: 30-045-28702
 Source: BRADENHEAD
 Sample Type: GAS
 Analysis No: ED2021520
 Cust No: 25250-12815

Well/Lease Information

Customer Name: ENDURING RESOURCES
 Well Name: NELLIE PLATERO 8; BHD
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA: 1-149-IND-8464
 Formation: FC
 Cust. Stn. No.: 30-045-28702

Source: BRADENHEAD
 Well Flowing: Y
 Pressure: 80.1 PSIG
 Flow Temp: 98 DEG. F
 Ambient Temp: 86 DEG. F
 Flow Rate: 65 MCF/D
 Sample Method: Purge & Fill
 Sample Date: 07/30/2021
 Sample Time: 11.42 AM
 Sampled By: TINA HARRIS
 Sampled by (CO): ENDURING

Heat Trace: N
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.3603	1.3387	0.1500	0.00	0.0132
CO2	0.0074	0.0073	0.0010	0.00	0.0001
Methane	86.7689	85.3910	14.7470	876.37	0.4806
Ethane	7.0875	6.9750	1.9000	125.43	0.0736
Propane	2.8512	2.8059	0.7880	71.74	0.0434
Iso-Butane	0.5784	0.5692	0.1900	18.81	0.0116
N-Butane	0.6604	0.6499	0.2090	21.54	0.0133
I-Pentane	0.2727	0.2684	0.1000	10.91	0.0068
N-Pentane	0.1582	0.1557	0.0570	6.34	0.0039
Hexane Plus	0.2550	0.2510	0.1140	13.44	0.0084
Total	100.0000	98.4121	18.2560	1144.58	0.6549

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0028
 BTU/CU.FT IDEAL: 1147.2
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1150.4
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1130.4
 DRY BTU @ 15.025: 1173.4
 REAL SPECIFIC GRAVITY: 0.6565

CYLINDER #: 5000
 CYLINDER PRESSURE: 74 PSIG
 ANALYSIS DATE: 08/09/2021
 ANALYSIS TIME: 11:05:26 AM
 ANALYSIS RUN BY: SHYANN GALLEGOS

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: 08/10/2021

GC Method: C6+ Gas



ENDURING RESOURCES
WELL ANALYSIS COMPARISON

Lease:	NELLIE PLATERO 8; BHD	BRADENHEAD	08/10/2021
Stn. No.:	30-045-28702	FC	25250-12815
Mtr. No.:			

Smpl Date: 07/30/2021
Test Date: 08/09/2021
Run No: ED2021520

Nitrogen: 1.3603
CO2: 0.0074
Methane: 86.7689
Ethane: 7.0875
Propane: 2.8512
I-Butane: 0.5784
N-Butane: 0.6604
I-Pentane: 0.2727
N-Pentane: 0.1582
Hexane+: 0.2550

BTU: 1150.4
GPM: 18.2560
SPG: 0.6565



Well Name: NELLIE PLATERO 8; CSG

API #: 30-045-28702

Source: CASING

Sample Type: GAS

Analysis No: ED2021521

Cust No: 25250-12820

Well/Lease Information

Customer Name: ENDURING RESOURCES
 Well Name: NELLIE PLATERO 8; CSG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA: I-149-IND-8464
 Formation: FC
 Cust. Stn. No.: 30-045-28702

Source: CASING
 Well Flowing: Y
 Pressure: 15 PSIG
 Flow Temp: 98 DEG. F
 Ambient Temp: 86 DEG. F
 Flow Rate: 65 MCF/D
 Sample Method: Purge & Fill
 Sample Date: 07/30/2021
 Sample Time: 12.08 PM
 Sampled By: TINA HARRIS
 Sampled by (CO): ENDURING

Heat Trace: N

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1818	0.0541	0.0200	0.00	0.0018
CO2	0.6123	0.1822	0.1050	0.00	0.0093
Methane	91.7563	27.3017	15.5900	926.74	0.5082
Ethane	4.8638	1.4472	1.3040	86.07	0.0505
Propane	1.5120	0.4499	0.4170	38.04	0.0230
Iso-Butane	0.3179	0.0946	0.1040	10.34	0.0064
N-Butane	0.2121	0.0631	0.0670	6.92	0.0043
I-Pentane	0.0894	0.0266	0.0330	3.58	0.0022
N-Pentane	0.0494	0.0147	0.0180	1.98	0.0012
Hexane Plus	0.4050	0.1205	0.1810	21.35	0.0134
Total	100.0000	29.7546	17.8390	1095.02	0.6203

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0025
 BTU/CU.FT IDEAL: 1097.6
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1100.3
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1081.2
 DRY BTU @ 15.025: 1122.3
 REAL SPECIFIC GRAVITY: 0.6216

CYLINDER #: 6118
 CYLINDER PRESSURE: 15 PSIG
 ANALYSIS DATE: 08/09/2021
 ANALYSIS TIME: 10:53:21 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: 08/10/2021

GC Method: C6+ Gas



ENDURING RESOURCES
WELL ANALYSIS COMPARISON

Lease: NELLIE PLATERO 8; CSG
Stn. No.: 30-045-28702
Mtr. No.:

CASING
FC

08/10/2021
25250-12820

Smpl Date: 07/30/2021
Test Date: 08/09/2021
Run No: ED2021521

Nitrogen: 0.1818
CO2: 0.6123
Methane: 91.7563
Ethane: 4.8638
Propane: 1.5120
I-Butane: 0.3179
N-Butane: 0.2121
I-Pentane: 0.0894
N-Pentane: 0.0494
Hexane+: 0.4050

BTU: 1100.3
GPM: 17.8390
SPG: 0.6216



Well Name: NELLIE PLATERO 8; TBG

API #: 30-045-28702

Source: TUBING

Sample Type: GAS

Analysis No: ED2021522

Cust No: 25250-12825

Well/Lease Information

Customer Name: ENDURING RESOURCES
 Well Name: NELLIE PLATERO 8; TBG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA: 1-149-IND-8464
 Formation: FC
 Cust. Stn. No.: 30-045-28702

Source: TUBING
 Well Flowing: Y
 Pressure: 7.2 PSIG
 Flow Temp: 98 DEG. F
 Ambient Temp: 86 DEG. F
 Flow Rate: 65 MCF/D
 Sample Method: Purge & Fill
 Sample Date: 07/30/2021
 Sample Time: 11.56 AM
 Sampled By: TINA HARRIS
 Sampled by (CO): ENDURING

Heat Trace: N

Remarks: PRESSURED WITH HELIUM TO 30LBS.

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.8322	0.3468	0.0920	0.00	0.0080
CO2	0.4293	0.1789	0.0730	0.00	0.0065
Methane	91.5257	38.1418	15.5510	924.41	0.5070
Ethane	4.8134	2.0059	1.2900	85.18	0.0500
Propane	1.4403	0.6002	0.3980	36.24	0.0219
Iso-Butane	0.3098	0.1291	0.1020	10.07	0.0062
N-Butane	0.1927	0.0803	0.0610	6.29	0.0039
I-Pentane	0.0823	0.0343	0.0300	3.29	0.0021
N-Pentane	0.0446	0.0186	0.0160	1.79	0.0011
Hexane Plus	0.3297	0.1374	0.1470	17.38	0.0109
Total	100.0000	41.6733	17.7600	1084.65	0.6176

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0025
 BTU/CU.FT IDEAL: 1087.2
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1089.9
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1070.9
 DRY BTU @ 15.025: 1111.7
 REAL SPECIFIC GRAVITY: 0.6189

CYLINDER #: 4213
 CYLINDER PRESSURE: PSIG
 ANALYSIS DATE: 08/09/2021
 ANALYSIS TIME: 10:42:01 AM
 ANALYSIS RUN BY: SHYANN GALLEGOS

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: 08/10/2021

GC Method: C6+ Gas



ENDURING RESOURCES
WELL ANALYSIS COMPARISON

Lease:	NELLIE PLATERO 8; TBG	TUBING	08/10/2021
Stn. No.:	30-045-28702	FC	25250-12825
Mtr. No.:			

Smpl Date: 07/30/2021
Test Date: 08/09/2021
Run No: ED2021522

Nitrogen: 0.8322
CO2: 0.4293
Methane: 91.5257
Ethane: 4.8134
Propane: 1.4403
I-Butane: 0.3098
N-Butane: 0.1927
I-Pentane: 0.0823
N-Pentane: 0.0446
Hexane+: 0.3297

BTU: 1089.9
GPM: 17.7600
SPG: 0.6189

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 60227

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 60227
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	None	12/21/2021