



2030 Afton Place
Farmington, NM 87401
(505) 325-6622

Analysis No: ED20240533
Cust No: 25250-11520

Well/Lease Information

Customer Name: ENDURING RESOURCES
Well Name: SHIOTANI 11
County/State: SAN JUAN NM
Location:
Lease/PA/CA: FEE
Formation: FC
Cust. Stn. No.: 5300450010

Source: METER RUN
Well Flowing: Y
Pressure: 60 PSIG
Flow Temp: 111.27 DEG. F
Ambient Temp: 94 DEG. F
Flow Rate: .2 MCF/D
Sample Method: Purge & Fill
Sample Date: 07/10/2024
Sample Time: 4.46 PM
Sampled By: CELIA L.
Sampled by (CO): ABC

Heat Trace: N
Remarks: LA PLATA / FARMINGTON

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3534	0.3547	0.0390	0.00	0.0034
CO2	1.5573	1.5632	0.2670	0.00	0.0237
Methane	85.8663	86.1922	14.5980	867.25	0.4756
Ethane	7.2355	7.2629	1.9410	128.05	0.0751
Propane	2.5648	2.5745	0.7090	64.53	0.0390
Iso-Butane	0.4242	0.4258	0.1390	13.79	0.0085
N-Butane	0.6970	0.6996	0.2200	22.74	0.0140
I-Pentane	0.2704	0.2714	0.0990	10.82	0.0067
N-Pentane	0.2134	0.2142	0.0780	8.55	0.0053
Hexane Plus	0.8177	0.8208	0.3660	43.10	0.0271
Total	100.0000	100.3793	18.4560	1158.84	0.6785

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0031
BTU/CU.FT IDEAL: 1161.5
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1165.1
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1144.8
DRY BTU @ 15.025: 1188.4
REAL SPECIFIC GRAVITY: 0.6803

CYLINDER #: 8012
CYLINDER PRESSURE: 52 PSIG
ANALYSIS DATE: 07/17/2024
ANALYSIS TIME: 09:31:52 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: 08/01/2024

GC Method: C6+ Gas



ENDURING RESOURCES
WELL ANALYSIS COMPARISON

Lease:	SHIOTANI 11	METER RUN	08/01/2024
Stn. No.:	5300450010	FC	25250-11520
Mtr. No.:			

Smpl Date:	07/10/2024	07/17/2023	07/13/2022	07/26/2021	06/20/2019	03/11/2019
Test Date:	07/17/2024	07/21/2023	07/20/2022	07/28/2021	06/26/2019	03/12/2019
Run No:	ED20240533	ED20230640	ED20220637	ED2021486	ED190653	ED190275
Nitrogen:	0.3534	0.2019	0.1753	0.1727	0.2022	0.1466
CO2:	1.5573	2.4909	2.3608	2.4023	2.2841	2.2835
Methane:	85.8663	96.4697	96.6191	96.6257	96.6992	96.8016
Ethane:	7.2355	0.6285	0.6233	0.6193	0.6196	0.6002
Propane:	2.5648	0.1208	0.1160	0.1149	0.1130	0.1064
I-Butane:	0.4242	0.0360	0.0362	0.0357	0.0404	0.0375
N-Butane:	0.6970	0.0168	0.0151	0.0136	0.0125	0.0108
I-Pentane:	0.2704	0.0117	0.0110	0.0095	0.0096	0.0091
N-Pentane:	0.2134	0.0027	0.0018	0.0011	0.0000	0.0000
Hexane+:	0.8177	0.0210	0.0414	0.0052	0.0194	0.0043
BTU:	1165.1	996.3	998.6	996.5	998.0	997.6
GPM:	18.4560	17.0650	17.0720	17.0600	17.0640	17.0570
SPG:	0.6803	0.5856	0.5847	0.5840	0.5834	0.5825

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 403458

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 403458
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	approved for record	11/14/2024