



Well Name: ESCRITO A31 2409

API #: 30-045-35390

Source: BRADENHEAD

Sample Type: GAS

Analysis No: DR2021231

Cust No: 21300-11260

Well/Lease Information

Customer Name: D.J.R.
 Well Name: ESCRITO A31 2409 #001H; BHD
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 30-045-35390

Source: BRADENHEAD
 Well Flowing: Y
 Pressure: 32 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 45 DEG. F
 Flow Rate: MCF/D
 Sample Method:
 Sample Date: 11/16/2021
 Sample Time: 8.25 AM
 Sampled By: J. HARTE
 Sampled by (CO): COTTONWOOD

Heat Trace: N

Remarks:

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.8317	0.8333	0.0920	0.00	0.0080
CO2	0.0134	0.0134	0.0020	0.00	0.0002
Methane	40.8724	40.9516	7.0040	412.81	0.2264
Ethane	18.1028	18.1378	4.8940	320.37	0.1879
Propane	19.0469	19.0837	5.3040	479.24	0.2900
Iso-Butane	3.0518	3.0577	1.0100	99.24	0.0612
N-Butane	9.3959	9.4141	2.9940	306.52	0.1886
I-Pentane	3.0145	3.0203	1.1140	120.61	0.0751
N-Pentane	3.3724	3.3789	1.2360	135.19	0.0840
Hexane Plus	2.2982	2.3026	1.0360	121.14	0.0761
Total	100.0000	100.1934	24.6860	1995.12	1.1975

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0111
 BTU/CU.FT IDEAL: 1999.7
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 2022.0
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1986.8
 DRY BTU @ 15.025: 2062.5
 REAL SPECIFIC GRAVITY: 1.2104

CYLINDER #: 6073
 CYLINDER PRESSURE: 18 PSIG
 ANALYSIS DATE: 11/16/2021
 ANALYSIS TIME: 03:08:16 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: 11/18/2021

GC Method: C6+ Gas



D.J.R.

WELL ANALYSIS COMPARISON

Lease:	ESCRITO A31 2409 #001H; BHD	BRADENHEAD	11/18/2021
Stn. No.:	30-045-35390		21300-11260
Mtr. No.:			

Smpl Date:	11/16/2021	10/13/2021
Test Date:	11/16/2021	11/02/2021
Run No:	DR2021231	DR2021199
Nitrogen:	0.8317	0.7843
CO2:	0.0134	0.0207
Methane:	40.8724	42.1674
Ethane:	18.1028	18.5752
Propane:	19.0469	19.4957
I-Butane:	3.0518	2.7133
N-Butane:	9.3959	8.7082
I-Pentane:	3.0145	2.7482
N-Pentane:	3.3724	3.1132
Hexane+:	2.2982	1.6738
BTU:	2022.0	1965.0
GPM:	24.6860	24.3350
SPG:	1.2104	1.1733



Well Name: ESCRITO A31 2409

API #: 30-045-35390

Source: CASING

Sample Type: GAS

Analysis No: DR2021232

Cust No: 21300-11265

Well/Lease Information

Customer Name: D.J.R.
 Well Name: ESCRITO A31 2409 #001H; CSG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 30-045-35390

Source: CASING
 Well Flowing: Y
 Pressure: 83 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 45 DEG. F
 Flow Rate: MCF/D
 Sample Method:
 Sample Date: 11/16/2021
 Sample Time: 8.35 AM
 Sampled By: J. HARTE
 Sampled by (CO): COTTONWOOD

Heat Trace: N

Remarks:

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.0350	1.0368	0.1140	0.00	0.0100
CO2	0.4727	0.4735	0.0810	0.00	0.0072
Methane	66.7922	66.9056	11.3820	674.60	0.3700
Ethane	13.8482	13.8717	3.7230	245.07	0.1438
Propane	9.9190	9.9358	2.7470	249.57	0.1510
Iso-Butane	1.2450	1.2471	0.4100	40.49	0.0250
N-Butane	3.6468	3.6530	1.1560	118.97	0.0732
I-Pentane	0.8900	0.8915	0.3270	35.61	0.0222
N-Pentane	0.9528	0.9544	0.3470	38.19	0.0237
Hexane Plus	1.1983	1.2003	0.5370	63.16	0.0397
Total	100.0000	100.1697	20.8240	1465.67	0.8657

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0054
 BTU/CU.FT IDEAL: 1469.1
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1476.9
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1451.2
 DRY BTU @ 15.025: 1506.5
 REAL SPECIFIC GRAVITY: 0.8699

CYLINDER #: 6038
 CYLINDER PRESSURE: 86 PSIG
 ANALYSIS DATE: 11/16/2021
 ANALYSIS TIME: 03:00:19 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: 11/18/2021

GC Method: C6+ Gas



D.J.R.

WELL ANALYSIS COMPARISON

Lease:	ESCRITO A31 2409 #001H; CSG	CASING	11/18/2021
Stn. No.:	30-045-35390		21300-11265
Mtr. No.:			

Smpl Date:	11/16/2021	10/13/2021
Test Date:	11/16/2021	11/02/2021
Run No:	DR2021232	DR2021200
Nitrogen:	1.0350	1.0900
CO2:	0.4727	0.4836
Methane:	66.7922	64.7639
Ethane:	13.8482	14.8059
Propane:	9.9190	11.1871
I-Butane:	1.2450	1.3410
N-Butane:	3.6468	3.8368
I-Pentane:	0.8900	0.7964
N-Pentane:	0.9528	0.7088
Hexane+:	1.1983	0.9865
BTU:	1476.9	1490.1
GPM:	20.8240	20.9690
SPG:	0.8699	0.8791

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 63048

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 63048
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	None	12/20/2021