



Well Name: BLANCO WASH UNIT
 API #: 30-045-35322
 Source: BRADENHEAD
 Sample Type: GAS
 Analysis No: DR2021201
 Cust No: 21300-11270

Well/Lease Information

Customer Name: D.J.R.
 Well Name: BLANCO WASH UNIT #401H; BHD
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 30-045-35322

Source: BRADENHEAD
 Well Flowing: N
 Pressure: 95 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 40 DEG. F
 Flow Rate: MCF/D
 Sample Method:
 Sample Date: 10/27/2021
 Sample Time: 9.20 AM
 Sampled By: J. HARTE
 Sampled by (CO): COTTONWOOD

Heat Trace: N
 Remarks:

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	7.1807	7.2518	0.7930	0.00	0.0695
CO2	0.5186	0.5237	0.0890	0.00	0.0079
Methane	63.0331	63.6567	10.7300	636.63	0.3491
Ethane	12.6166	12.7415	3.3880	223.28	0.1310
Propane	11.2329	11.3441	3.1070	282.63	0.1710
Iso-Butane	1.2683	1.2809	0.4170	41.24	0.0255
N-Butane	3.1816	3.2131	1.0070	103.79	0.0638
I-Pentane	0.4592	0.4637	0.1690	18.37	0.0114
N-Pentane	0.3599	0.3635	0.1310	14.43	0.0090
Hexane Plus	0.1491	0.1506	0.0670	7.86	0.0049
Total	100.0000	100.9896	19.8980	1328.24	0.8431

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0044
 BTU/CU.FT IDEAL: 1331.3
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1337.2
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1313.9
 DRY BTU @ 15.025: 1364.0
 REAL SPECIFIC GRAVITY: 0.8465

CYLINDER #: 6004
 CYLINDER PRESSURE: 96 PSIG
 ANALYSIS DATE: 11/02/2021
 ANALYSIS TIME: 11:03:03 AM
 ANALYSIS RUN BY: KERRA GONZALEZ

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: 11/03/2021

GC Method: C6+ Gas



D.J.R.

WELL ANALYSIS COMPARISON

Lease:	BLANCO WASH UNIT #401H; BHD	BRADENHEAD	11/03/2021
Stn. No.:	30-045-35322		21300-11270
Mtr. No.:			

Smpl Date:	10/27/2021
Test Date:	11/02/2021
Run No:	DR2021201
Nitrogen:	7.1807
CO2:	0.5186
Methane:	63.0331
Ethane:	12.6166
Propane:	11.2329
I-Butane:	1.2683
N-Butane:	3.1816
I-Pentane:	0.4592
N-Pentane:	0.3599
Hexane+:	0.1491
BTU:	1337.2
GPM:	19.8980
SPG:	0.8465



Well Name: BLANCO WASH UNIT

API #: 30-045-35322

Source: CASING

Sample Type: GAS

Analysis No: DR2021202

Cust No: 21300-11275

Well/Lease Information

Customer Name: D.J.R.
 Well Name: BLANCO WASH UNIT 401H; CSG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 30-045-35322

Source: CASING
 Well Flowing: N
 Pressure: 207 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 40 DEG. F
 Flow Rate: MCF/D
 Sample Method:
 Sample Date: 10/27/2021
 Sample Time: 9.35 AM
 Sampled By: J. HARTE
 Sampled by (CO): COTTONWOOD

Heat Trace: N

Remarks:

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	7.2253	7.2905	0.7980	0.00	0.0699
CO2	0.5354	0.5402	0.0920	0.00	0.0081
Methane	63.3977	63.9696	10.7910	640.32	0.3512
Ethane	12.6746	12.7890	3.4030	224.30	0.1316
Propane	11.2376	11.3390	3.1080	282.75	0.1711
Iso-Butane	1.2294	1.2405	0.4040	39.98	0.0247
N-Butane	2.9914	3.0184	0.9470	97.59	0.0600
I-Pentane	0.3720	0.3754	0.1370	14.88	0.0093
N-Pentane	0.2733	0.2758	0.0990	10.96	0.0068
Hexane Plus	0.0633	0.0639	0.0280	3.34	0.0021
Total	100.0000	100.9023	19.8070	1314.11	0.8347

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0043
 BTU/CU.FT IDEAL: 1317.2
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1322.8
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1299.8
 DRY BTU @ 15.025: 1349.3
 REAL SPECIFIC GRAVITY: 0.838

CYLINDER #: 6165
 CYLINDER PRESSURE: 203 PSIG
 ANALYSIS DATE: 11/02/2021
 ANALYSIS TIME: 10:41:18 AM
 ANALYSIS RUN BY: KERRA GONZALEZ

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: 11/03/2021

GC Method: C6+ Gas



D.J.R.

WELL ANALYSIS COMPARISON

Lease:	BLANCO WASH UNIT 401H; CSG	CASING	11/03/2021
Stn. No.:	30-045-35322		21300-11275
Mtr. No.:			

Smpl Date:	10/27/2021
Test Date:	11/02/2021
Run No:	DR2021202

Nitrogen:	7.2253
CO2:	0.5354
Methane:	63.3977
Ethane:	12.6746
Propane:	11.2376
I-Butane:	1.2294
N-Butane:	2.9914
I-Pentane:	0.3720
N-Pentane:	0.2733
Hexane+:	0.0633

BTU:	1322.8
GPM:	19.8070
SPG:	0.8380

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

COMMENTS

Action 63052

COMMENTS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 63052
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

COMMENTS

Created By	Comment	Comment Date
mkuehling	for record	11/23/2021

District I
1625 N. French Dr., Hobbs, NM 88240
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CONDITIONS

Action 63052

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Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 63052
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	same gas both bradenhead and production casing - 95 psi when sample taken on bradenhead - 119 on bradenhead for bradenhead test performed 11/1/2021- directive sent 11/23/2021	11/23/2021