



Well Name: KELLY INDIAN 1R; CSG
 API #:
 Source: CASING
 Sample Type: GAS
 Analysis No: EP2021154
 Cust No: 77000-11850

Well/Lease Information

Customer Name: EPIC ENERGY
 Well Name: KELLY INDIAN 1R; CSG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.:

Source: CASING
 Well Flowing: Y
 Pressure: 245 PSIG
 Flow Temp: DEG. F
 Ambient Temp: DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/06/2021
 Sample Time: 12.01 PM
 Sampled By: B. BALDWIN
 Sampled by (CO): WALSH

Heat Trace:
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.5379	0.5306	0.0590	0.00	0.0052
CO2	0.6494	0.6406	0.1110	0.00	0.0099
Methane	87.9799	86.7937	14.9550	888.60	0.4873
Ethane	6.3877	6.3016	1.7130	113.04	0.0663
Propane	2.1761	2.1468	0.6010	54.75	0.0331
Iso-Butane	0.3679	0.3629	0.1210	11.96	0.0074
N-Butane	0.7584	0.7482	0.2400	24.74	0.0152
I-Pentane	0.3240	0.3196	0.1190	12.96	0.0081
N-Pentane	0.2826	0.2788	0.1030	11.33	0.0070
Hexane Plus	0.5361	0.5289	0.2400	28.26	0.0177
Total	100.0000	98.6517	18.2620	1145.65	0.6573

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0029
 BTU/CU.FT IDEAL: 1148.3
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1151.6
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1131.6
 DRY BTU @ 15.025: 1174.7
 REAL SPECIFIC GRAVITY: 0.6589

CYLINDER #: 5007
 CYLINDER PRESSURE: 195 PSIG
 ANALYSIS DATE: 05/12/2021
 ANALYSIS TIME: 01:31:55 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: 05/17/2021

GC Method: C6+ Gas



EPIC ENERGY
WELL ANALYSIS COMPARISON

Lease: KELLY INDIAN 1R; CSG
Stn. No.:
Mtr. No.:

CASING

05/17/2021
77000-11850

Smpl Date: 05/06/2021
Test Date: 05/12/2021
Run No: EP2021154

Nitrogen: 0.5379
CO2: 0.6494
Methane: 87.9799
Ethane: 6.3877
Propane: 2.1761
I-Butane: 0.3679
N-Butane: 0.7584
I-Pentane: 0.3240
N-Pentane: 0.2826
Hexane+: 0.5361

BTU: 1151.6
GPM: 18.2620
SPG: 0.6589



Well Name: KELLY INDIAN 1R; TBG
 API #:
 Source: TUBING
 Sample Type: GAS
 Analysis No: EP2021155
 Cust No: 77000-11855

Well/Lease Information

Customer Name: EPIC ENERGY
 Well Name: KELLY INDIAN 1R; TBG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.:

Source: TUBING
 Well Flowing: Y
 Pressure: 65 PSIG
 Flow Temp: DEG. F
 Ambient Temp: DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/06/2021
 Sample Time: 11.52 AM
 Sampled By: B. BALDWIN
 Sampled by (CO): WALSH

Heat Trace:

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.5210	0.5080	0.0570	0.00	0.0050
CO2	0.7691	0.7499	0.1320	0.00	0.0117
Methane	88.6665	86.4529	15.0680	895.53	0.4911
Ethane	6.5581	6.3944	1.7580	116.06	0.0681
Propane	2.0074	1.9573	0.5540	50.51	0.0306
Iso-Butane	0.3072	0.2995	0.1010	9.99	0.0062
N-Butane	0.5172	0.5043	0.1630	16.87	0.0104
I-Pentane	0.1324	0.1291	0.0490	5.30	0.0033
N-Pentane	0.0994	0.0969	0.0360	3.98	0.0025
Hexane Plus	0.4217	0.4112	0.1890	22.23	0.0140
Total	100.0000	97.5035	18.1070	1120.47	0.6428

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0027
 BTU/CU.FT IDEAL: 1123.1
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1126.1
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1106.5
 DRY BTU @ 15.025: 1148.7
 REAL SPECIFIC GRAVITY: 0.6443

CYLINDER #: 4245
 CYLINDER PRESSURE: 80 PSIG
 ANALYSIS DATE: 05/12/2021
 ANALYSIS TIME: 02:09:32 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: 05/18/2021

GC Method: C6+ Gas



EPIC ENERGY
WELL ANALYSIS COMPARISON

Lease: KELLY INDIAN 1R; TBG
Stn. No.:
Mtr. No.:

TUBING

05/18/2021
77000-11855

Smpl Date: 05/06/2021
Test Date: 05/12/2021
Run No: EP2021155
Nitrogen: 0.5210
CO2: 0.7691
Methane: 88.6665
Ethane: 6.5581
Propane: 2.0074
I-Butane: 0.3072
N-Butane: 0.5172
I-Pentane: 0.1324
N-Pentane: 0.0994
Hexane+: 0.4217
BTU: 1126.1
GPM: 18.1070
SPG: 0.6443



Well Name: KELLY INDIAN 1R; BHD

API #:

Source: BRADENHEAD

Sample Type: GAS

Analysis No: EP2021144

Cust No: 77000-11815

Well/Lease Information

Customer Name: EPIC ENERGY
 Well Name: KELLY INDIAN 1R; BHD
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation: DK
 Cust. Stn. No.:

Source: BRADENHEAD
 Well Flowing: Y
 Pressure: 105 PSIG
 Flow Temp: DEG. F
 Ambient Temp: DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 04/21/2021
 Sample Time: 10.15 AM
 Sampled By: THEO & BALDWIN
 Sampled by (CO): EPIC

Heat Trace: N

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	2.7521	2.6230	0.3030	0.00	0.0266
CO2	0.0026	0.0025	0.0000	0.00	0.0000
Methane	91.4031	87.1148	15.5270	923.17	0.5063
Ethane	3.8328	3.6530	1.0270	67.83	0.0398
Propane	1.3549	1.2913	0.3740	34.09	0.0206
Iso-Butane	0.2560	0.2440	0.0840	8.32	0.0051
N-Butane	0.2422	0.2308	0.0770	7.90	0.0049
I-Pentane	0.0697	0.0664	0.0260	2.79	0.0017
N-Pentane	0.0430	0.0410	0.0160	1.72	0.0011
Hexane Plus	0.0436	0.0416	0.0190	2.30	0.0014
Total	100.0000	95.3084	17.4530	1048.13	0.6076

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0023
 BTU/CU.FT IDEAL: 1050.6
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1053.0
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1034.7
 DRY BTU @ 15.025: 1074.1
 REAL SPECIFIC GRAVITY: 0.6088

CYLINDER #: 6100
 CYLINDER PRESSURE: 72 PSIG
 ANALYSIS DATE: 04/26/2021
 ANALYSIS TIME: 01:13:30 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: 04/28/2021

GC Method: C6+ Gas



EPIC ENERGY
WELL ANALYSIS COMPARISON

Lease: KELLY INDIAN 1R; BHD
Stn. No.:
Mtr. No.:

BRADENHEAD
DK

04/28/2021
77000-11815

Smpl Date: 04/21/2021
Test Date: 04/26/2021
Run No: EP2021144

Nitrogen: 2.7521
CO2: 0.0026
Methane: 91.4031
Ethane: 3.8328
Propane: 1.3549
I-Butane: 0.2560
N-Butane: 0.2422
I-Pentane: 0.0697
N-Pentane: 0.0430
Hexane+: 0.0436

BTU: 1053.0
GPM: 17.4530
SPG: 0.6088

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
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District III
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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 40033

COMMENTS

Operator: EPIC ENERGY, L.L.C. 332 Road 3100 Aztec, NM 87410	OGRID: 372834
	Action Number: 40033
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

COMMENTS

Created By	Comment	Comment Date
mkuehling	bh pressure 105 psi when sample taken - high nitrogen on sample for bradenhead	8/9/2021

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

Action 40033

CONDITIONS

Operator: EPIC ENERGY, L.L.C. 332 Road 3100 Aztec, NM 87410	OGRID: 372834
	Action Number: 40033
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	None	8/9/2021