



4/26/21

Well Name: KELLY INDIAN 1E; BHD
 API #:
 Source: BRADENHEAD
 Sample Type: GAS
 Analysis No: EP2021143
 Cust No: 77000-11810

Well/Lease Information

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

Source: BRADENHEAD
 Well Flowing: Y
 Pressure: 90 PSIG
 Flow Temp: DEG. F
 Ambient Temp: DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 04/21/2021
 Sample Time: 10.50 AM
 Sampled By: THEO & BALDWIN
 Sampled by (CO): EPIC

Heat Trace: N
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	5.0059	4.9013	0.5520	0.00	0.0484
CO2	0.0122	0.0119	0.0020	0.00	0.0002
Methane	86.1260	84.3267	14.6340	869.87	0.4771
Ethane	5.4621	5.3480	1.4640	96.66	0.0567
Propane	2.0561	2.0131	0.5680	51.73	0.0313
Iso-Butane	0.3814	0.3734	0.1250	12.40	0.0077
N-Butane	0.4669	0.4571	0.1480	15.23	0.0094
I-Pentane	0.1633	0.1599	0.0600	6.53	0.0041
N-Pentane	0.1085	0.1062	0.0390	4.35	0.0027
Hexane Plus	0.2176	0.2131	0.0970	11.47	0.0072
Total	100.0000	97.9107	17.6890	1068.26	0.6447

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY
 **@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0025	CYLINDER #:	6012
BTU/CU.FT IDEAL:	1070.7	CYLINDER PRESSURE:	38 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1073.4	ANALYSIS DATE:	04/26/2021
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1054.7	ANALYSIS TIME:	01:29:09 PM
DRY BTU @ 15.025:	1094.9	ANALYSIS RUN BY:	RICHARD WILSON
REAL SPECIFIC GRAVITY:	0.646		

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 1E; BHD	BRADENHEAD	04/28/2021
Stn. No.:		DK	77000-11810
Mtr. No.:			

Smpl Date:	04/21/2021
Test Date:	04/26/2021
Run No:	EP2021143
Nitrogen:	5.0059
CO2:	0.0122
Methane:	86.1260
Ethane:	5.4621
Propane:	2.0561
I-Butane:	0.3814
N-Butane:	0.4669
I-Pentane:	0.1633
N-Pentane:	0.1085
Hexane+:	0.2176
BTU:	1073.4
GPM:	17.6890
SPG:	0.6460

5/12/21



Well Name: KELLY INDIAN 1E; TBG
 API #:
 Source: TUBING
 Sample Type: GAS
 Analysis No: EP2021153
 Cust No: 77000-11845

Well/Lease Information

Customer Name: EPIC ENERGY	Source: TUBING
Well Name: KELLY INDIAN 1E; TBG	Well Flowing: Y
County/State: SAN JUAN NM	Pressure: 55 PSIG
Location:	Flow Temp: DEG. F
Lease/PA/CA:	Ambient Temp: DEG. F
Formation:	Flow Rate: MCF/D
Cust. Stn. No.:	Sample Method: Purge & Fill
	Sample Date: 05/06/2021
	Sample Time: 1.27 PM
	Sampled By: B. BALDWIN
	Sampled by (CO): WALSH

Heat Trace:
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.5070	0.4959	0.0560	0.00	0.0049
CO2	0.9413	0.9207	0.1610	0.00	0.0143
*Methane	87.7771	85.8561	14.9190	886.55	0.4862
Ethane	6.7080	6.5612	1.7990	118.71	0.0696
Propane	2.2525	2.2032	0.6220	56.68	0.0343
Iso-Butane	0.3327	0.3254	0.1090	10.82	0.0067
N-Butane	0.6004	0.5873	0.1900	19.59	0.0120
I-Pentane	0.2055	0.2010	0.0750	8.22	0.0051
N-Pentane	0.1721	0.1683	0.0630	6.90	0.0043
Hexane Plus	0.5034	0.4924	0.2250	26.53	0.0167
Total	100.0000	97.8115	18.2190	1134.00	0.6541

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY
 **@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0028	CYLINDER #:	4151
BTU/CU.FT IDEAL:	1136.6	CYLINDER PRESSURE:	50 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1139.8	ANALYSIS DATE:	05/12/2021
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1120.0	ANALYSIS TIME:	01:56:15 PM
DRY BTU @ 15.025:	1162.6	ANALYSIS RUN BY:	RICHARD WILSON
REAL SPECIFIC GRAVITY:	0.6557		

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
 C Method: C6+ Gas



EPIC ENERGY
WELL ANALYSIS COMPARISON

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

TUBING

05/17/2021
77000-11845

Smpl Date: 05/06/2021
Test Date: 05/12/2021
Run No: EP2021153
Nitrogen: 0.5070
CO2: 0.9413
Methane: 87.7771
Ethane: 6.7080
Propane: 2.2525
I-Butane: 0.3327
N-Butane: 0.6004
I-Pentane: 0.2055
N-Pentane: 0.1721
Hexane+: 0.5034
BTU: 1139.8
GPM: 18.2190
SPG: 0.6557



5/12/21

Well Name: KELLY INDIAN 1E; CSG
 API #:
 Source: CASING
 Sample Type: GAS
 Analysis No: EP2021152
 Cust No: 77000-11840

Well/Lease Information

Customer Name: EPIC ENERGY	Source: CASING
Well Name: KELLY INDIAN 1E; CSG	Well Flowing: Y
County/State: SAN JUAN NM	Pressure: 58 PSIG
Location:	Flow Temp: DEG. F
Lease/PA/CA:	Ambient Temp: DEG. F
Formation:	Flow Rate: MCF/D
Cust. Stn. No.:	Sample Method:
	Sample Date: 05/06/2021
	Sample Time: 1.35 PM
	Sampled By: B. BALDWIN
	Sampled by (CO): WALSH

Heat Trace:
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.4854	0.4763	0.0540	0.00	0.0047
CO2	1.0547	1.0348	0.1810	0.00	0.0160
Methane	85.2034	83.5974	14.4910	860.55	0.4719
Ethane	6.5867	6.4626	1.7670	116.56	0.0684
Propane	2.4460	2.3999	0.6760	61.54	0.0372
Iso-Butane	0.4107	0.4030	0.1350	13.36	0.0082
N-Butane	0.8815	0.8649	0.2790	28.76	0.0177
I-Pentane	0.4570	0.4484	0.1680	18.28	0.0114
N-Pentane	0.4753	0.4663	0.1730	19.05	0.0118
Hexane Plus	1.9993	1.9616	0.8950	105.38	0.0662
Total	100.0000	98.1152	18.8190	1223.50	0.7136

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY
 **@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0035	CYLINDER #:	6123
BTU/CU.FT IDEAL:	1226.3	CYLINDER PRESSURE:	42 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1230.6	ANALYSIS DATE:	05/12/2021
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1209.2	ANALYSIS TIME:	01:44:25 PM
DRY BTU @ 15.025:	1255.2	ANALYSIS RUN BY:	RICHARD WILSON
REAL SPECIFIC GRAVITY:	0.7158		

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
 C Method: C6+ Gas



EPIC ENERGY
WELL ANALYSIS COMPARISON

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

CASING

05/17/2021
77000-11840

Smpl Date: 05/06/2021
Test Date: 05/12/2021
Run No: EP2021152

Nitrogen: 0.4854
CO2: 1.0547
Methane: 85.2034
Ethane: 6.5867
Propane: 2.4460
I-Butane: 0.4107
N-Butane: 0.8815
I-Pentane: 0.4570
N-Pentane: 0.4753
Hexane+: 1.9993

BTU: 1230.6
GPM: 18.8190
SPG: 0.7158

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 40032

COMMENTS

Operator: EPIC ENERGY, L.L.C. 332 Road 3100 Aztec, NM 87410	OGRID: 372834
	Action Number: 40032
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

COMMENTS

Created By	Comment	Comment Date
mkuehling	gas appears to be the same all strings - high nitrogen on bh sample - bradenhead has more pressure than production string.	8/9/2021

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Santa Fe, NM 87505

CONDITIONS

Action 40032

CONDITIONS

Operator: EPIC ENERGY, L.L.C. 332 Road 3100 Aztec, NM 87410	OGRID: 372834
	Action Number: 40032
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

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