



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

Analysis No: DR180003
Cust No: 21300-10015

Well/Lease Information

Customer Name: D.J.R.
Well Name: KELLY INDIAN #1E;BHD
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Stn. No.:

API 30 045 30471

Source: BRADENHEAD
Well Flowing: Y
Pressure: 90 PSIG
Flow Temp: DEG. F
Ambient Temp: 60 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 05/03/2018
Sample Time: 8.55 AM
Sampled By: J. HARTER
Sampled by (CO): COTTONWOOD

Heat Trace: N
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.1760	1.1864	0.1300	0.00	0.0114
CO2	0.0070	0.0071	0.0010	0.00	0.0001
Methane	89.6840	90.4788	15.2400	905.81	0.4968
Ethane	5.6439	5.6939	1.5130	99.88	0.0586
Propane	2.1290	2.1479	0.5880	53.57	0.0324
Iso-Butane	0.3940	0.3975	0.1290	12.81	0.0079
N-Butane	0.4850	0.4893	0.1530	15.82	0.0097
I-Pentane	0.1680	0.1695	0.0620	6.72	0.0042
N-Pentane	0.1109	0.1119	0.0400	4.45	0.0028
Hexane Plus	0.2022	0.2040	0.0900	10.66	0.0067
Total	100.0000	100.8863	17.9460	1109.72	0.6305

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0026
BTU/CU.FT IDEAL: 1112.3
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1115.2
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1095.8
DRY BTU @ 15.025: 1137.5
REAL SPECIFIC GRAVITY: 0.6319

CYLINDER #: 6061
CYLINDER PRESSURE: 96 PSIG
ANALYSIS DATE: 05/04/2018
ANALYSIS TIME: 01:12:01 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

GC Method: C6+ Gas

Last Cal/Verify: 05/07/2018

NMWD

JUN 21 2018

DISTRICT III



D.J.R.

WELL ANALYSIS COMPARISON

Lease: KELLY INDIAN #1E;BHD
Stn. No.:
Mtr. No.: API 30 045 30471

BRADENHEAD

05/07/2018
21300-10015

Smpl Date: 05/03/2018
Test Date: 05/04/2018
Run No: DR180003

Nitrogen: 1.1760
CO2: 0.0070
Methane: 89.6840
Ethane: 5.6439
Propane: 2.1290
I-Butane: 0.3940
N-Butane: 0.4850
I-Pentane: 0.1680
N-Pentane: 0.1109
Hexane+: 0.2022

BTU: 1115.2
GPM: 17.9460
SPG: 0.6319



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

Analysis No: DR180004
Cust No: 21300-10020

Well/Lease Information

Customer Name: D.J.R.
Well Name: KELLY INDIAN #1E;CSG
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Stn. No.:

API 30 045 30471

Source: CASING
Well Flowing: Y
Pressure: 106 PSIG
Flow Temp: DEG. F
Ambient Temp: 60 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 05/03/2018
Sample Time: 9.05 AM
Sampled By: J. HARTER
Sampled by (CO): COTTONWOOD

Heat Trace: N

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.4645	0.4646	0.0510	0.00	0.0045
CO2	0.9887	0.9890	0.1690	0.00	0.0150
Methane	87.4377	87.4626	14.8630	883.12	0.4843
Ethane	6.7992	6.8011	1.8230	120.33	0.0706
Propane	2.3721	2.3728	0.6550	59.68	0.0361
Iso-Butane	0.3407	0.3408	0.1120	11.08	0.0068
N-Butane	0.7230	0.7232	0.2290	23.59	0.0145
I-Pentane	0.2319	0.2320	0.0850	9.28	0.0058
N-Pentane	0.2036	0.2037	0.0740	8.16	0.0051
Hexane Plus	0.4386	0.4387	0.1960	23.12	0.0145
Total	100.0000	100.0285	18.2570	1138.35	0.6572

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0029
BTU/CU.FT IDEAL: 1141.0
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1144.3
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1124.4
DRY BTU @ 15.025: 1167.2
REAL SPECIFIC GRAVITY: 0.6589

CYLINDER #: 4248
CYLINDER PRESSURE: 113 PSIG
ANALYSIS DATE: 05/04/2018
ANALYSIS TIME: 12:57:00 AM
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: 05/07/2018

GC Method: C6+ Gas



D.J.R.

WELL ANALYSIS COMPARISON

Lease: KELLY INDIAN #1E;CSG
Stn. No.:
Mtr. No.: API 30 045 30471

CASING

05/07/2018
21300-10020

Smpl Date: 05/03/2018
Test Date: 05/04/2018
Run No: DR180004

Nitrogen: 0.4645
CO2: 0.9887
Methane: 87.4377
Ethane: 6.7992
Propane: 2.3721
I-Butane: 0.3407
N-Butane: 0.7230
I-Pentane: 0.2319
N-Pentane: 0.2036
Hexane+: 0.4386

BTU: 1144.3
GPM: 18.2570
SPG: 0.6589



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

Analysis No: DR180005
Cust No: 21300-10025

Well/Lease Information

Customer Name: D.J.R.
Well Name: KELLY INDIAN #1E;TBG
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Stn. No.:

API 30 045 30471

Source: TUBING
Well Flowing: Y
Pressure: 83 PSIG
Flow Temp: DEG. F
Ambient Temp: 60 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 05/03/2018
Sample Time: 9.10 AM
Sampled By: J. HARTER
Sampled by (CO):

Heat Trace: N
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.5120	0.5080	0.0560	0.00	0.0050
CO2	0.8936	0.8867	0.1530	0.00	0.0136
Methane	87.8906	87.2081	14.9400	887.70	0.4868
Ethane	6.6932	6.6412	1.7950	118.45	0.0695
Propane	2.0888	2.0726	0.5770	52.56	0.0318
Iso-Butane	0.3103	0.3079	0.1020	10.09	0.0062
N-Butane	0.5278	0.5237	0.1670	17.22	0.0106
I-Pentane	0.1911	0.1896	0.0700	7.65	0.0048
N-Pentane	0.1593	0.1581	0.0580	6.39	0.0040
Hexane Plus	0.7333	0.7276	0.3280	38.65	0.0243
Total	100.0000	99.2235	18.2460	1138.69	0.6565

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0029
BTU/CU.FT IDEAL: 1141.3
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1144.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1124.7
DRY BTU @ 15.025: 1167.5
REAL SPECIFIC GRAVITY: 0.6581

CYLINDER #: 6018
CYLINDER PRESSURE: 21 PSIG
ANALYSIS DATE: 05/04/2018
ANALYSIS TIME: 12:41:50 AM
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: 05/07/2018

GC Method: C6+ Gas



D.J.R.

WELL ANALYSIS COMPARISON

Lease: KELLY INDIAN #1E;TBG
Stn. No.:
Mtr. No.: API 30 045 30471

TUBING

05/07/2018
21300-10025

Smpl Date: 05/03/2018
Test Date: 05/04/2018
Run No: DR180005
Nitrogen: 0.5120
CO2: 0.8936
Methane: 87.8906
Ethane: 6.6932
Propane: 2.0888
I-Butane: 0.3103
N-Butane: 0.5278
I-Pentane: 0.1911
N-Pentane: 0.1593
Hexane+: 0.7333
BTU: 1144.6
GPM: 18.2460
SPG: 0.6581