



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

Analysis No: GW170050
Cust No: 33050-10415

Well/Lease Information

Customer Name: GREAT WESTERN DRILLING
Well Name: J.E. DECKER 2C ; TBG
County/State: SAN JUAN NM
Location:
Field:
Formation: BMV
Cust. Stn. No.: API 30-045-30753

Source: TUBING
Well Flowing: Y
Pressure: 170 PSIG
Flow Temp: DEG. F
Ambient Temp: 61 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Date Sampled: 10/27/2017
Sample Time: 12.20 PM
Sampled By: CULLAN
Sampled by (CO): GWDC

OIL CONS. DIV DIST. 3
NOV 07 2017

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.0834	0.0821	0.0090	0.00	0.0008
CO2	1.4649	1.4415	0.2510	0.00	0.0223
Methane	89.3576	87.9288	15.1860	902.51	0.4950
Ethane	5.9413	5.8463	1.5930	105.14	0.0617
Propane	1.8503	1.8207	0.5110	46.56	0.0282
Iso-Butane	0.4050	0.3985	0.1330	13.17	0.0081
N-Butane	0.3768	0.3708	0.1190	12.29	0.0076
I-Pentane	0.1501	0.1477	0.0550	6.01	0.0037
N-Pentane	0.0828	0.0815	0.0300	3.32	0.0021
Hexane Plus	0.2878	0.2832	0.1290	15.17	0.0095
Total	100.0000	98.4011	18.0160	1104.17	0.6389

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0027
BTU/CU.FT IDEAL: 1106.7
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1109.7
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1090.4
DRY BTU @ 15.025: 1131.9
REAL SPECIFIC GRAVITY: 0.6404

CYLINDER #: 6043
CYLINDER PRESSURE: 274 PSIG
DATE RUN: 10/31/17 12:00 AM
ANALYSIS RUN BY: PATRICIA KING

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: 11/01/2017

GC Method: C6+ Gas



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

Analysis No: GW170049
Cust No: 33050-10410

Well/Lease Information

Customer Name: GREAT WESTERN DRILLING
Well Name: J.E. DECKER 2C; CSG
County/State: SAN JUAN NM
Location:
Field:
Formation: BMV
Cust. Str. No.: API 30-045-30753

Source: CASING
Well Flowing: Y
Pressure: 590 PSIG
Flow Temp: DEG. F
Ambient Temp: 61 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Date Sampled: 10/27/2017
Sample Time: 12.30 PM
Sampled By: CULLAN
Sampled by (CO): GWDC

OIL CONS. DIV DIST. 3
NOV 07 2017

Remarks:

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.8136	1.7758	0.2000	0.00	0.0175
CO2	0.0029	0.0028	0.0000	0.00	0.0000
Methane	81.2795	79.5867	13.8200	820.92	0.4502
Ethane	9.9641	9.7566	2.6730	176.33	0.1034
Propane	4.2853	4.1960	1.1840	107.82	0.0652
Iso-Butane	0.6865	0.6722	0.2250	22.32	0.0138
N-Butane	1.1003	1.0774	0.3480	35.90	0.0221
I-Pentane	0.3603	0.3528	0.1320	14.42	0.0090
N-Pentane	0.2836	0.2777	0.1030	11.37	0.0071
Hexane Plus	0.2239	0.2192	0.1000	11.80	0.0074
Total	100.0000	97.9172	18.7850	1200.89	0.6958

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0032
BTU/CU.FT IDEAL: 1203.7
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1207.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1186.5
DRY BTU @ 15.025: 1231.7
REAL SPECIFIC GRAVITY: 0.6977

CYLINDER #: 4234
CYLINDER PRESSURE: 602 PSIG
DATE RUN: 10/31/17 12:00 AM
ANALYSIS RUN BY: PATRICIA KING

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: 11/01/2017

GC Method: C6+ Gas