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

Analysis No: DR180029
Cust No: 21300-10145

Well/Lease Information

Customer Name:	D.J.R.	Source:	TUBING
Well Name:	SOUTH BLANCO FEDERAL 26-4; TBG	Well Flowing:	Y
County/State:	SAN JUAN NM	Pressure:	58 PSIA
Location:		Flow Temp:	DEG. F
Field:		Ambient Temp:	70 DEG. F
Formation:		Flow Rate:	MCF/D
Cust. Stn. No.:	API 30 045 25219	Sample Method:	Purge & Fill
		Sample Date:	07/12/2018
		Sample Time:	10.25 AM
		Sampled By:	J. HARTER
Heat Trace:	N	Sampled by (CO):	COTTONWOOD
Remarks:			

Analysis

Component::	Mole%:	Unormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.6624	1.6873	0.1840	0.00	0.0161
CO2	0.3296	0.3345	0.0560	0.00	0.0050
Methane	76.2918	77.4351	12.9820	770.55	0.4226
Ethane	10.2491	10.4027	2.7510	181.38	0.1064
Propane	6.9166	7.0202	1.9130	174.03	0.1053
Iso-Butane	0.7857	0.7975	0.2580	25.55	0.0158
N-Butane	2.0513	2.0820	0.6490	66.92	0.0412
I-Pentane	0.4918	0.4992	0.1810	19.68	0.0123
N-Pentane	0.4866	0.4939	0.1770	19.51	0.0121
Hexane Plus	0.7351	0.7461	0.3290	38.75	0.0243
Total	100.0000	101.4985	19.4800	1296.35	0.7610

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

COMPRESSIBLITY FACTOR (1/Z):	1.004	CYLINDER #:	4227
BTU/CU.FT IDEAL:	1299.4	CYLINDER PRESSURE:	54 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1304.4	ANALYIS DATE:	07/17/2018
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1281.7	ANALYIS TIME:	10:37:08 AM
DRY BTU @ 15.025:	1330.5	ANALYSIS RUN BY:	RICHARD WILSON
REAL SPECIFIC GRAVITY:	0.7637		

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: 07/19/2018**
GC Method: C6+ Gas

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

Analysis No: DR180028
Cust No: 21300-10140

Well/Lease Information

Customer Name:	D.J.R.	Source:	CASING
Well Name:	SOUTH BLANCO FEDERAL 26-4; CSG	Well Flowing:	Y
County/State:	SAN JUAN NM	Pressure:	61 PSIG
Location:		Flow Temp:	DEG. F
Field:		Ambient Temp:	70 DEG. F
Formation:		Flow Rate:	MCF/D
Cust. Stn. No.:	API 30 045 25219	Sample Method:	Purge & Fill
		Sample Date:	07/12/2018
		Sample Time:	10.30 AM
		Sampled By:	J. HARTER
Heat Trace:	N	Sampled by (CO):	COTTONWOOD
Remarks:			

Analysis

Component::	Mole%:	Unormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.4041	1.4030	0.1550	0.00	0.0136
CO2	0.4448	0.4445	0.0760	0.00	0.0068
Methane	69.6690	69.6149	11.8670	703.66	0.3859
Ethane	12.2577	12.2482	3.2940	216.92	0.1273
Propane	8.8951	8.8882	2.4620	223.81	0.1354
Iso-Butane	1.0812	1.0804	0.3550	35.16	0.0217
N-Butane	3.1284	3.1260	0.9910	102.06	0.0628
I-Pentane	0.8245	0.8239	0.3030	32.99	0.0205
N-Pentane	0.9215	0.9208	0.3360	36.94	0.0230
Hexane Plus	1.3737	1.3726	0.6160	72.41	0.0455
Total	100.0000	99.9225	20.4550	1423.94	0.8424

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

COMPRESSIBLITY FACTOR (1/Z):	1.005	CYLINDER #:	6148
BTU/CU.FT IDEAL:	1427.2	CYLINDER PRESSURE:	64 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1434.4	ANALYIS DATE:	07/17/2018
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1409.4	ANALYIS TIME:	10:57:06 AM
DRY BTU @ 15.025:	1463.1	ANALYSIS RUN BY:	SHYANN ELLEDGE
REAL SPECIFIC GRAVITY:	0.8463		

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: 07/19/2018**
GC Method: C6+ Gas

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

Analysis No: DR180027
Cust No: 21300-10135

Well/Lease Information

Customer Name:	D.J.R.	Source:	BRADENHEAD
Well Name:	SOUTH BLANCO FEDERAL 26-4; BHD	Well Flowing:	Y
County/State:	SAN JUAN NM	Pressure:	19 PSIG
Location:		Flow Temp:	DEG. F
Field:		Ambient Temp:	70 DEG. F
Formation:		Flow Rate:	MCF/D
Cust. Stn. No.:	API 30 045 25219	Sample Method:	Purge & Fill
		Sample Date:	07/12/2018
		Sample Time:	10.35 AM
		Sampled By:	J. HARTER
Heat Trace:	N	Sampled by (CO):	COTTONWOOD
Remarks:			

Analysis

Component::	Mole%:	Unormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.3508	1.3733	0.1490	0.00	0.0131
CO2	0.4835	0.4916	0.0830	0.00	0.0073
Methane	69.5938	70.7536	11.8540	702.90	0.3855
Ethane	12.4489	12.6564	3.3450	220.31	0.1292
Propane	8.8681	9.0159	2.4550	223.13	0.1350
Iso-Butane	1.0449	1.0623	0.3440	33.98	0.0210
N-Butane	3.1229	3.1749	0.9890	101.88	0.0627
I-Pentane	0.8163	0.8299	0.3000	32.66	0.0203
N-Pentane	0.9032	0.9183	0.3290	36.21	0.0225
Hexane Plus	1.3676	1.3904	0.6130	72.09	0.0453
Total	100.0000	101.6666	20.4610	1423.15	0.8419

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

COMPRESSIBLITY FACTOR (1/Z):	1.005	CYLINDER #:	4129
BTU/CU.FT IDEAL:	1426.4	CYLINDER PRESSURE:	15 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1433.6	ANALYIS DATE:	07/17/2018
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1408.7	ANALYIS TIME:	11:00:43 AM
DRY BTU @ 15.025:	1462.3	ANALYSIS RUN BY:	RICHARD WILSON
REAL SPECIFIC GRAVITY:	0.8458		

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: 07/19/2018**
GC Method: C6+ Gas