



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

Analysis No: CP140136
Cust No: 18300-25435

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 27-5 #40M INT
County/State: RIO ARRIBA
Location:
Field: AREA 25
Formation:
Cust. Stn. No.: 9952572
API 3003923700

Source: INTERMEDIATE
Pressure: 168 PSIG
Sample Temp: 55 DEG. F
Well Flowing:
Date Sampled: 02/27/2014
Sampled By: LYNN HOPPE
Foreman/Engr.:

OIL CONS. DIV DIST. 3

MAY 14 2014

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.218	0.0240	0.00	0.0021
CO2	1.012	0.1730	0.00	0.0154
Methane	84.677	14.3980	855.24	0.4690
Ethane	7.677	2.0590	135.86	0.0797
Propane	3.618	1.0000	91.03	0.0551
Iso-Butane	0.656	0.2150	21.33	0.0132
N-Butane	0.978	0.3090	31.91	0.0196
I-Pentane	0.332	0.1220	13.28	0.0083
N-Pentane	0.245	0.0890	9.82	0.0061
Hexane Plus	0.587	0.2630	30.94	0.0194
Total	100.000	18.6520	1189.41	0.6879

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0032
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1196.0
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1175.2
REAL SPECIFIC GRAVITY: 0.6898

GPM, BTU, and SPG calculations as shown
above are based on current GPA factors.

DRY BTU @ 14.650: 1189.5
DRY BTU @ 14.696: 1193.2
DRY BTU @ 14.730: 1196.0
DRY BTU @ 15.025: 1220.0

CYLINDER #: V13
CYLINDER PRESSURE: 168 PSIG
DATE RUN: 3/10/14 12:31 PM
ANALYSIS RUN BY: DAWN BLASSINGAME



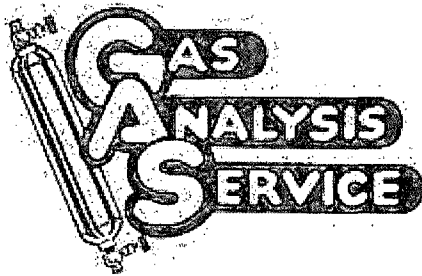
CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 27-5 #40M INT
Stn. No.: 9952572
Mtr. No.: API 3003923700

INTERMEDIATE

04/08/2014
18300-25435

Smpl Date: 02/27/2014
Test Date: 03/10/2014
Run No: CP140136
Nitrogen: 0.218
CO2: 1.012
Methane: 84.677
Ethane: 7.677
Propane: 3.618
I-Butane: 0.656
N-Butane: 0.978
I-Pentane: 0.332
N-Pentane: 0.245
Hexane+: 0.587
BTU: 1196.0
GPM: 18.6520
SPG: 0.6898



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

Analysis No: CP140135
Cust No: 18300-25430

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 27-5 #40M CSG
County/State: RIO ARRIBA
Location:
Field: AREA 25
Formation:
Cust. Str. No.: 9952572
API 3003923700

Source: CASING
Pressure: 177 PSIG
Sample Temp: 55 DEG. F
Well Flowing:
Date Sampled: 02/27/2014
Sampled By: LYNN HOPPE
Foreman/Engr.:

OIL CONS. DIV DIST. 3

MAY 14 2014

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.179	0.0200	0.00	0.0017
CO2	1.293	0.2210	0.00	0.0196
Methane	88.609	15.0620	894.95	0.4908
Ethane	6.020	1.6140	106.53	0.0625
Propane	1.785	0.4930	44.91	0.0272
Iso-Butane	0.458	0.1500	14.89	0.0092
N-Butane	0.480	0.1520	15.66	0.0096
I-Pentane	0.297	0.1090	11.88	0.0074
N-Pentane	0.187	0.0680	7.50	0.0047
Hexane Plus	0.692	0.3090	36.48	0.0229
Total	100.000	18.1980	1132.81	0.6556

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0029
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1138.7
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1118.9
REAL SPECIFIC GRAVITY: 0.6573

GPM, BTU, and SPG calculations as shown
above are based on current GPA factors.

DRY BTU @ 14.650: 1132.5
DRY BTU @ 14.696: 1136.1
DRY BTU @ 14.730: 1138.7
DRY BTU @ 15.025: 1161.5

CYLINDER #: GAS214
CYLINDER PRESSURE: 164 PSIG
DATE RUN: 3/10/14 12:29 PM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 27-5 #40M CSG
Strn. No.: 9952572
Mtr. No.: API 3003923700

CASING

03/20/2014
18300-25430

Smpl Date: 02/27/2014
Test Date: 03/10/2014
Run No: CP140135

Nitrogen: 0.179
CO2: 1.293
Methane: 88.609
Ethane: 6.020
Propane: 1.785
I-Butane: 0.458
N-Butane: 0.480
I-Pentane: 0.297
N-Pentane: 0.187
Hexane+: 0.692

BTU: 1138.7
GPM: 18.1980
SPG: 0.6573