



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

Analysis No: CP140134
Cust No: 18300-25425

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 27-5 #25 INT
County/State: RIO ARRIBA
Location:
Field: AREA 25
Formation:
Cust. Stn. No.: 71834
API 3003907164

Source: INTERMEDIATE
Pressure: 175 PSIG
Sample Temp: DEG. F
Well Flowing: N
Date Sampled: 02/25/2014
Sampled By: CHARLIE WELLS
Foreman/Engr.:

OIL CONS. DIV DIST. 3

Remarks:

MAY 14 2014

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.448	0.0490	0.00	0.0043
CO2	0.029	0.0050	0.00	0.0004
Methane	88.123	14.9790	890.04	0.4881
Ethane	6.085	1.6320	107.69	0.0632
Propane	3.240	0.8950	81.52	0.0493
Iso-Butane	0.457	0.1500	14.86	0.0092
N-Butane	0.756	0.2390	24.66	0.0152
I-Pentane	0.221	0.0810	8.84	0.0055
N-Pentane	0.172	0.0630	6.89	0.0043
Hexane Plus	0.469	0.2100	24.72	0.0155
Total	100.000	18.3030	1159.23	0.6550

* @ 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): 1165.3
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1145.0
REAL SPECIFIC GRAVITY: 0.6567

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

DRY BTU @ 14.650: 1159.0
DRY BTU @ 14.696: 1162.6
DRY BTU @ 14.730: 1165.3
DRY BTU @ 15.025: 1188.6

CYLINDER #: 6036
CYLINDER PRESSURE: 177 PSIG
DATE RUN: 3/14/14 12:28 PM
ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 27-5 #25 INT
Stn. No.: 71834
Mtr. No.: API 3003907164

INTERMEDIATE

03/20/2014
18300-25425

Smpl Date: 02/25/2014
Test Date: 03/14/2014
Run No: CP140134

Nitrogen: 0.448
CO2: 0.029
Methane: 88.123
Ethane: 6.085
Propane: 3.240
I-Butane: 0.457
N-Butane: 0.756
I-Pentane: 0.221
N-Pentane: 0.172
Hexane+: 0.469

BTU: 1165.3
GPM: 18.3030
SPG: 0.6567



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

Analysis No: CP140133
Cust No: 18300-18465

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 27-5 #25 CSG
County/State: RIO ARRIBA
Location:
Field: AREA 25
Formation: MESA VERDE
Cust. Stn. No.: 71834
API 3003907164

Source: CASING
Pressure: 175 PSIG
Sample Temp: DEG. F
Well Flowing: N
Date Sampled: 02/25/2014
Sampled By: CHARLIE WELLS
Foreman/Engr.:

OIL CONS. DIV DIST. 3

Remarks:

MAY 14 2014

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.444	0.0490	0.00	0.0043
CO2	0.032	0.0050	0.00	0.0005
Methane	87.768	14.9200	886.46	0.4861
Ethane	6.102	1.6360	107.99	0.0634
Propane	3.332	0.9200	83.84	0.0507
Iso-Butane	0.485	0.1590	15.77	0.0097
N-Butane	0.798	0.2520	26.03	0.0160
I-Pentane	0.250	0.0920	10.00	0.0062
N-Pentane	0.201	0.0730	8.06	0.0050
Hexane Plus	0.588	0.2630	30.99	0.0195
Total	100.000	18.3690	1169.14	0.6615

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.003
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1175.4
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1154.9
REAL SPECIFIC GRAVITY: 0.6632

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

DRY BTU @ 14.650: 1169.0
DRY BTU @ 14.696: 1172.7
DRY BTU @ 14.730: 1175.4
DRY BTU @ 15.025: 1198.9

CYLINDER #: 5002
CYLINDER PRESSURE: 173 PSIG
DATE RUN: 3/10/14 12:26 PM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 27-5 #25 CSG
Stn. No.: 71834
Mtr. No.: API 3003907164

CASING
MESA VERDE

03/20/2014
18300-18465

Smpl Date:	02/25/2014	05/12/2010
Test Date:	03/10/2014	05/13/2010
Run No:	CP140133	CP100201
Nitrogen:	0.444	0.156
CO2:	0.032	1.066
Methane:	87.768	81.868
Ethane:	6.102	9.391
Propane:	3.332	4.015
I-Butane:	0.485	0.793
N-Butane:	0.798	1.164
I-Pentane:	0.250	0.483
N-Pentane:	0.201	0.342
Hexane+:	0.588	0.722
BTU:	1175.4	1236.1
GPM:	18.3690	19.0140
SPG:	0.6632	0.7157