



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

Analysis No: CP140176
Cust No: 18300-25565

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 28-5 #22
County/State: RIO ARRIBA NM
Location:
Field:
Formation:
Cust. Stn. No.: 71853
W/O 9952572
API 3003907360

Source: INTERMEDIATE
Pressure: 208 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 02/25/2014
Sampled By: J. BOWMAN
Foreman/Engr.: OIL CONS. DIV DIST. 3

MAY 14 2014

Remarks: AREA 25

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.653	0.0720	0.00	0.0063
CO2	0.007	0.0010	0.00	0.0001
Methane	84.495	14.3680	853.40	0.4680
Ethane	6.828	1.8320	120.84	0.0709
Propane	4.557	1.2590	114.66	0.0694
Iso-Butane	0.951	0.3120	30.93	0.0191
N-Butane	1.139	0.3600	37.16	0.0229
I-Pentane	0.443	0.1630	17.72	0.0110
N-Pentane	0.307	0.1120	12.31	0.0076
Hexane Plus	0.620	0.2770	32.68	0.0205
Total	100.000	18.7560	1219.69	0.6959

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0033
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1226.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1205.3
REAL SPECIFIC GRAVITY: 0.6979

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

DRY BTU @ 14.650: 1219.9
DRY BTU @ 14.696: 1223.8
DRY BTU @ 14.730: 1226.6
DRY BTU @ 15.025: 1251.2

CYLINDER #: 68
CYLINDER PRESSURE: 229 PSIG
DATE RUN: 3/19/14 8:28 AM
ANALYSIS RUN BY: DAWN BLASSINGAME



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 28-5 #22
Stn. No.: 71853
Mtr. No.: W/O 9952572

INTERMEDIATE

03/25/2014
18300-25565

Smpl Date: 02/25/2014
Test Date: 03/19/2014
Run No: CP140176
Nitrogen: 0.653
CO2: 0.007
Methane: 84.495
Ethane: 6.828
Propane: 4.557
I-Butane: 0.951
N-Butane: 1.139
I-Pentane: 0.443
N-Pentane: 0.307
Hexane+: 0.620
BTU: 1226.6
GPM: 18.7560
SPG: 0.6979



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

Analysis No: CP140150
Cust No: 18300-25505

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 28-5 #22 CSG
County/State: RIO ARRIBA
Location:
Field: AREA 25
Formation:
Cust. Stn. No.: 71853
9952572
API 3003907360

Source: CASING
Pressure: 150 PSIG
Sample Temp: DEG. F
Well Flowing: N
Date Sampled: 02/25/2014
Sampled By: J.BOWMAN
Foreman/Engr.:

OIL CONS. DIV DIST. 3

MAY 14 2014

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.491	0.0540	0.00	0.0047
CO2	0.646	0.1110	0.00	0.0098
Methane	84.216	14.3220	850.58	0.4665
Ethane	6.905	1.8520	122.20	0.0717
Propane	4.243	1.1730	106.76	0.0646
Iso-Butane	0.811	0.2660	26.37	0.0163
N-Butane	1.076	0.3400	35.10	0.0216
I-Pentane	0.392	0.1440	15.68	0.0098
N-Pentane	0.299	0.1090	11.99	0.0074
Hexane Plus	0.921	0.4120	48.55	0.0305
Total	100.000	18.7830	1217.23	0.7029

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0034
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1224.2
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1202.9
REAL SPECIFIC GRAVITY: 0.705

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

DRY BTU @ 14.650: 1217.6
DRY BTU @ 14.696: 1221.4
DRY BTU @ 14.730: 1224.2
DRY BTU @ 15.025: 1248.7

CYLINDER #: 020
CYLINDER PRESSURE: 150 PSIG
DATE RUN: 3/11/14 1:01 PM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 28-5 #22 CSG
Stn. No.: 71853
Mtr. No.: 9952572

CASING

03/20/2014
18300-25505

Smpl Date: 02/25/2014
Test Date: 03/11/2014
Run No: CP140150

Nitrogen: 0.491
CO2: 0.646
Methane: 84.216
Ethane: 6.905
Propane: 4.243
I-Butane: 0.811
N-Butane: 1.076
I-Pentane: 0.392
N-Pentane: 0.299
Hexane+: 0.921

BTU: 1224.2
GPM: 18.7830
SPG: 0.7050