



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

Analysis No: CP160452
Cust No: 18300-27990

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SJ 30-5 #53M; BHD
County/State: RIO ARRIBA NM
Location:
Field:
Formation: MV/DK
Cust. Str. No.: API 3003930982

Source: BRADENHEAD
Pressure: 190 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 08/03/2016
Sampled By: SHAD BROWN
Foreman/Engr.: BERKLEY BROWN

OIL CONS. DIV DIST. 3

AUG 31 2016

Remarks: W/O 9278599

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.179	0.0200	0.00	0.0017
CO2	0.002	0.0000	0.00	0.0000
Methane	91.008	15.4650	919.18	0.5041
Ethane	4.939	1.3240	87.41	0.0513
Propane	2.440	0.6740	61.39	0.0371
Iso-Butane	0.402	0.1320	13.07	0.0081
N-Butane	0.559	0.1770	18.24	0.0112
I-Pentane	0.155	0.0570	6.20	0.0039
N-Pentane	0.117	0.0430	4.69	0.0029
Hexane Plus	0.199	0.0890	10.49	0.0066
Total	100.000	17.9810	1120.67	0.6269

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0026
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1126.2
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1106.6
REAL SPECIFIC GRAVITY: 0.6283

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

DRY BTU @ 14.650: 1120.1
DRY BTU @ 14.696: 1123.6
DRY BTU @ 14.730: 1126.2
DRY BTU @ 15.025: 1148.8

CYLINDER #: 4234
CYLINDER PRESSURE: 172 PSIG
DATE RUN: 8/5/16 9:15 AM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SJ 30-5 #53M; BHD
Stn. No.: API 3003930982
Mtr. No.:

BRADENHEAD
MV/DK

08/10/2016
18300-27990

Smpl Date: 08/03/2016
Test Date: 08/05/2016
Run No: CP160452
Nitrogen: 0.179
CO2: 0.002
Methane: 91.008
Ethane: 4.939
Propane: 2.440
I-Butane: 0.402
N-Butane: 0.559
I-Pentane: 0.155
N-Pentane: 0.117
Hexane+: 0.199
BTU: 1126.2
GPM: 17.9810
SPG: 0.6283



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

Analysis No: CP160453
Cust No: 18300-27995

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SJ 30-5 #53M; CSG
County/State: RIO ARRIBA NM
Location:
Field:
Formation: MV/DK
Cust. Str. No.: API 3003930982

Source: CASING
Pressure: 174 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 08/03/2016
Sampled By: SHAD BROWN
Foreman/Engr.: BERKLEY BROWN

Remarks: W/O 9278599

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.144	0.0160	0.00	0.0014
CO2	0.015	0.0030	0.00	0.0002
Methane	90.871	15.4430	917.80	0.5033
Ethane	4.869	1.3050	86.17	0.0506
Propane	2.439	0.6740	61.37	0.0371
Iso-Butane	0.418	0.1370	13.59	0.0084
N-Butane	0.595	0.1880	19.41	0.0119
I-Pentane	0.183	0.0670	7.32	0.0046
N-Pentane	0.137	0.0500	5.49	0.0034
Hexane Plus	0.329	0.1470	17.34	0.0109
Total	100.000	18.0300	1128.49	0.6318

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0027

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1134.2

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1114.5

REAL SPECIFIC GRAVITY: 0.6333

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

DRY BTU @ 14.650: 1128.0

DRY BTU @ 14.696: 1131.6

DRY BTU @ 14.730: 1134.2

DRY BTU @ 15.025: 1156.9

CYLINDER #: 7037

CYLINDER PRESSURE: 178 PSIG

DATE RUN: 8/5/16 9:19 AM

ANALYSIS RUN BY: DAWN BLASSINGAME



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SJ 30-5 #53M; CSG
Stn. No.: API 3003930982
Mtr. No.:

CASING
MV/DK

08/10/2016
18300-27995

Smpl Date: 08/03/2016
Test Date: 08/05/2016
Run No: CP160453

Nitrogen: 0.144
CO2: 0.015
Methane: 90.871
Ethane: 4.869
Propane: 2.439
I-Butane: 0.418
N-Butane: 0.595
I-Pentane: 0.183
N-Pentane: 0.137
Hexane+: 0.329

BTU: 1134.2
GPM: 18.0300
SPG: 0.6333



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

Analysis No: CP160454
Cust No: 18300-28000

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SJ 30-5 #53M; INT
County/State: RIO ARRIBA NM
Location:
Field:
Formation: MV/DK
Cust. Str. No.: API 3003930982

Source: INTERMEDIATE
Pressure: 398 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 08/03/2016
Sampled By: SHAD BROWN
Foreman/Engr.: BERKLEY BROWN

Remarks: W/O 9278599

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.146	0.0160	0.00	0.0014
CO2	0.000	0.0000	0.00	0.0000
Methane	91.036	15.4700	919.46	0.5042
Ethane	4.911	1.3160	86.91	0.0510
Propane	2.482	0.6850	62.45	0.0378
Iso-Butane	0.408	0.1340	13.27	0.0082
N-Butane	0.561	0.1770	18.30	0.0113
I-Pentane	0.156	0.0570	6.24	0.0039
N-Pentane	0.118	0.0430	4.73	0.0029
Hexane Plus	0.182	0.0810	9.59	0.0060
Total	100.000	17.9790	1120.96	0.6267

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0026
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1126.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1106.9
REAL SPECIFIC GRAVITY: 0.6281

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

DRY BTU @ 14.650: 1120.4
DRY BTU @ 14.696: 1123.9
DRY BTU @ 14.730: 1126.5
DRY BTU @ 15.025: 1149.1

CYLINDER #: 6166
CYLINDER PRESSURE: 424 PSIG
DATE RUN: 8/5/16 9:20 AM
ANALYSIS RUN BY: PATRICIA KING



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SJ 30-5 #53M; INT
Stn. No.: API 3003930982
Mtr. No.:

INTERMEDIATE
MV/DK

08/10/2016
18300-28000

Smpl Date: 08/03/2016
Test Date: 08/05/2016
Run No: CP160454

Nitrogen: 0.146
CO2: 0.000
Methane: 91.036
Ethane: 4.911
Propane: 2.482
I-Butane: 0.408
N-Butane: 0.561
I-Pentane: 0.156
N-Pentane: 0.118
Hexane+: 0.182

BTU: 1126.5
GPM: 17.9790
SPG: 0.6281