

30-039-27086



2030 AFTON PLACE
FARMINGTON, N.M. 87401
(505) 325-6622

ANALYSIS NO. CP110121
CUST. NO. 18300 - 20150

WELL/LEASE INFORMATION

CUSTOMER NAME	CONOCO PHILLIPS COMPANY	SOURCE	WELLHEAD INTERM.
WELL NAME	SJ 30-5 #90M	PRESSURE	149 PSI G
COUNTY/ STATE	RIO ARRIBA NM	SAMPLE TEMP	N/A DEG.F
LOCATION	NMSF-078739	WELL FLOWING	Y
FIELD		DATE SAMPLED	03/25/2011
FORMATION		SAMPLED BY	DANNY ROBERTS
CUST.STN.NO.	A02139466SM	FOREMAN/ENGR.	JESSIE DUTKO

REMARKS

RCVD MAR 31 '11
OIL CONS. DIV.
DIST. 3

ANALYSIS				
COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.158	0.0170	0.00	0.0015
CO2	0.013	0.0020	0.00	0.0002
METHANE	92.466	15.7110	933.91	0.5122
ETHANE	4.524	1.2130	80.06	0.0470
PROPANE	1.730	0.4780	43.53	0.0263
I-BUTANE	0.260	0.0850	8.45	0.0052
N-BUTANE	0.383	0.1210	12.49	0.0077
I-PENTANE	0.123	0.0450	4.92	0.0031
N-PENTANE	0.097	0.0350	3.89	0.0024
HEXANE PLUS	0.246	0.1100	12.97	0.0081
TOTAL	100.000	17.8170	1,100.22	0.6137

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z)	1.0025
BTU/CU.FT (DRY) CORRECTED FOR (1/Z)	1,105.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z)	1,086.3
REAL SPECIFIC GRAVITY	0.6150

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

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,099.5
DRY BTU @ 14.696	1,102.9
DRY BTU @ 14.730	1,105.5
DRY BTU @ 15.025	1,127.6

CYLINDER #	4166
CYLINDER PRESSURE	156 PSIG
DATE RUN	03/30/2011
ANALYSIS RUN BY	DAWN BLASSINGAME

CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

LEASE : SJ 30-5 #90M

WELLHEAD INTERM.

3/31/2011

STN.NO. : A02139466SM

18300 - 20150

MTR.NO. :

SMPL DATE	03/25/2011	03/21/2011
TEST DATE	03/30/2011	03/23/2011
RUN NR.	CP110121	CP110120
NITROGEN	0.158	0.733
CO2	0.013	0.003
METHANE	92.466	91.898
ETHANE	4.524	4.561
PROPANE	1.730	1.713
I-BUTANE	0.260	0.254
N-BUTANE	0.383	0.383
I-PENTANE	0.123	0.117
N-PENTANE	0.097	0.092
HEXANE +	0.246	0.246
BTU	1,105.5	1,099.4
GPM	17.8170	17.7820
SP.GRAV.	0.6150	0.6170



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ANALYSIS NO. CP110119
CUST. NO. 18300 - 20155

WELL/LEASE INFORMATION

CUSTOMER NAME	CONOCO PHILLIPS COMPANY	SOURCE	WELLHEAD CASING
WELL NAME	SJ 30-5 #90M	PRESSURE	184 PSI G
COUNTY/ STATE	RIO ARriba NM	SAMPLE TEMP	N/A DEG.F
LOCATION	NMSF-078739	WELL FLOWING	Y
FIELD		DATE SAMPLED	03/25/2011
FORMATION	DAKOTA	SAMPLED BY	DANNY ROBERTS
CUST.STN.NO.	A02139466SM	FOREMAN/ENGR.	JESSIE DUTKO

REMARKS SAMPLE CONTAINED A SMALL AMOUNT OF CONDENSATE

ANALYSIS				
COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.449	0.0490	0.00	0.0043
CO2	1.179	0.2020	0.00	0.0179
METHANE	97.933	16.6330	989.12	0.5425
ETHANE	0.303	0.0810	5.36	0.0031
PROPANE	0.016	0.0040	0.40	0.0002
I-BUTANE	0.004	0.0010	0.13	0.0001
N-BUTANE	0.000	0.0000	0.00	0.0000
I-PENTANE	0.000	0.0000	0.00	0.0000
N-PENTANE	0.000	0.0000	0.00	0.0000
HEXANE PLUS	0.116	0.0520	6.11	0.0038
TOTAL	100.000	17.0220	1,001.12	0.5720

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z)	1.0021	GPM, BTU, and SPG calculations as shown above are based on current GPA factors.
BTU/CU.FT (DRY) CORRECTED FOR (1/Z)	1,005.5	
BTU/CU.FT (WET) CORRECTED FOR (1/Z)	988.0	
REAL SPECIFIC GRAVITY	0.5729	

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,000.0	CYLINDER #	6044
DRY BTU @ 14.696	1,003.2	CYLINDER PRESSURE	184 PSIG
DRY BTU @ 14.730	1,005.5	DATE RUN	03/30/2011
DRY BTU @ 15.025	1,025.6	ANALYSIS RUN BY	DAWN BLASSINGAME

CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

LEASE : SJ 30-5 #90M

STN.NO. : A02139466SM

MTR.NO. :

WELLHEAD CASING

DAKOTA

3/31/2011

18300 - 20155

SMPL DATE	03/25/2011	03/21/2011
TEST DATE	03/30/2011	03/23/2011
RUN NR.	CP110119	CP110118
NITROGEN	0.449	0.292
CO2	1.179	2.015
METHANE	97.933	97.042
ETHANE	0.303	0.370
PROPANE	0.016	0.036
I-BUTANE	0.004	0.018
N-BUTANE	0.000	0.007
I-PENTANE	0.000	0.004
N-PENTANE	0.000	0.000
HEXANE +	0.116	0.216
BTU	1,005.5	1,004.4
GPM	17.0220	17.0740
SP.GRAV.	0.5729	0.5841