

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-045-07729
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No. RCVD MAR 25 '08
7. Lease Name or Unit Agreement Name Pierce Federal A OIL CONS. DIV.
8. Well Number #1 DIST. 3
9. OGRID Number 14538
10. Pool name or Wildcat Aztec PC/Basin FC

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well ☐ Gas Well ☒ Other	
2. Name of Operator Burlington Resources Oil & Gas Company LP	
3. Address of Operator 3401 E. 30 th Street, Farmington, NM 87402	
4. Well Location Unit Letter <u>A</u> : <u>990</u> feet from the <u>North</u> line and <u>990</u> feet from the <u>East</u> line Section <u>34</u> Township <u>29N</u> Range <u>10W</u> NMPM County <u>San Juan</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.)	
Pit or Below-grade Tank Application ☐ or Closure ☐	
Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____	
Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☒	CASING/CEMENT JOB ☐	
OTHER: ☒		OTHER: ☒ BH Results	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Attached is a WBD and Pertinent Data sheet on the Pierce Federal A1 which shows the top of cement @ 1420' by a cement bond log from 1994 on the 5-1/2" casing. The WBD and production graph indicate no down hole mechanical problems with the well. A water sample was taken on March 3rd of the water coming from the bradenhead. The analysis shows that it is fresh water and that there are no hydrocarbons or contaminants in the water. This well is located in a known artesian water flow area. This water will have no harmful effect on the environment. The pressure on the bradenhead is coming from this water flow.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Philana Thompson TITLE Regulatory Tech DATE 3/20/08

Type or print name Philana Thompson E-mail address: thomppp@conocophillips.com Telephone No. 505-326-9530

For State Use Only

APPROVED BY: H. Villanueva TITLE Deputy Oil & Gas Inspector, District #3 DATE APR 21 2008

Conditions of Approval (if any):

Bradenhead Re-Test Form

Use this form to document all re-test information. Please enter in all information using N/A where appropriate.

Well Information

Well Name & Number:	Pierce Fed A#1
API:	30-045-07729
Section:	34
Township:	29N
Range:	10W

Test Information

Date of Re-Test:	2-25-08
Well Status:	PROD
Prod ~ SI ~ TA	
Initial Pressures	
TBG:	INT:
14.5#	
CSG:26#	BH:
	84#

BRADENHEAD

Test Time	BH	CSG	INT
5 minutes:	2.3#	26#	
10 minutes:	2.3#	26#	
15 minutes:	2.3#	26#	
20 minutes:			
25 minutes:			
30 minutes:			

Intermediate

INT	CSG

End of Test 5 minute SI:	51#	26#	
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Flow Characteristics	BH	INT
Steady Flow:	X	
Surges:		
Down to Nothing:		
No Flow:		
Gas:		
Water:	X	
Gas & Water:	x	

Water Flow	
Clear	X
Fresh	X
Salty	
Sulfur	
Black	
Muddy	

MSO Comments/Info

Remarks:

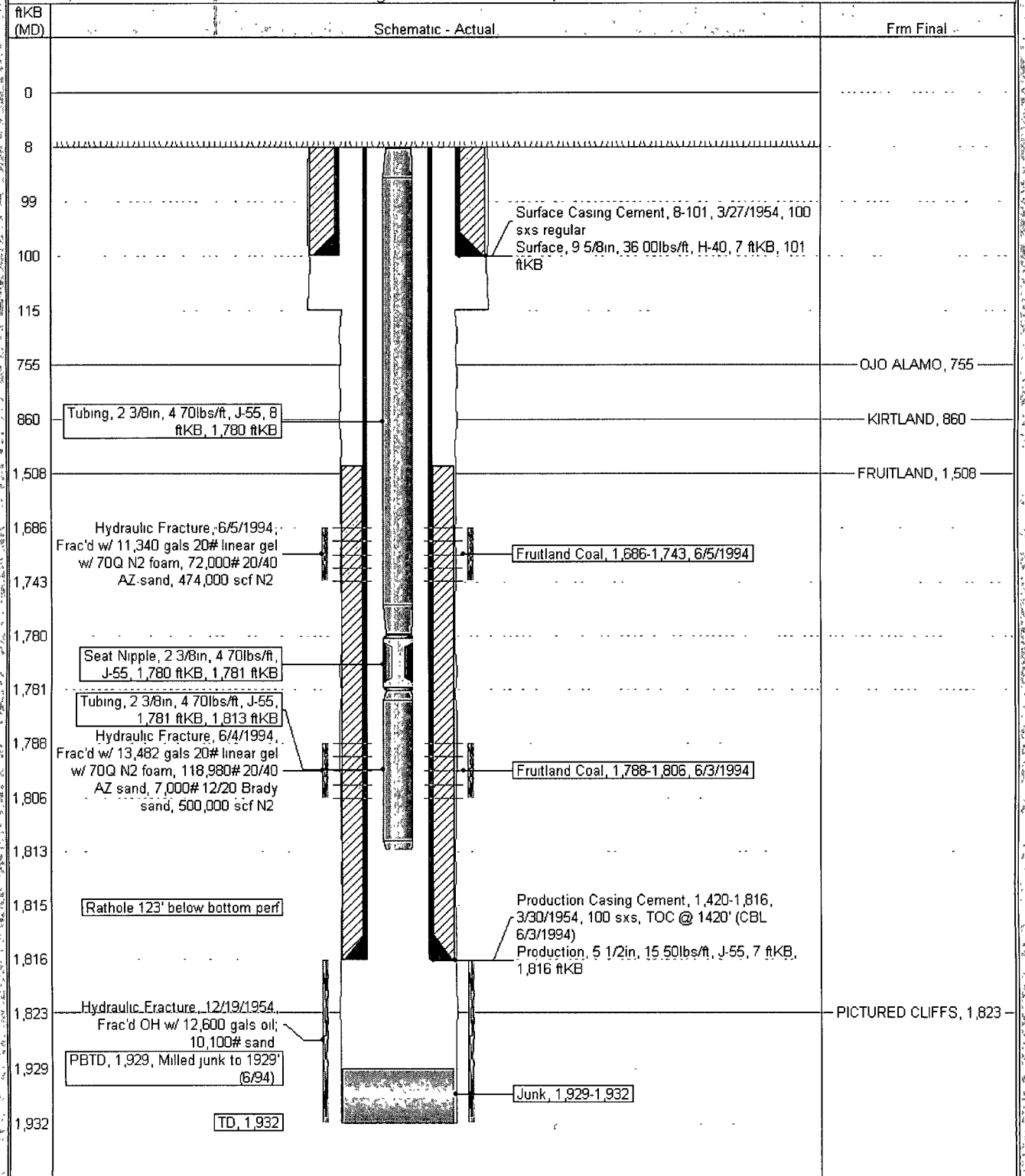
Tested By: Raymie Bristow	Comc pany (BR or COP): cop	Witness:
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CURRENT SCHEMATIC

PIERCE FEDERAL A #1

District SOUTH	Field Name BSN (FTLD COAL)	#3046	API / UWI 3004507729	County SAN JUAN	State/Province NEW MEXICO	Edit
Original Spud Date 3/27/1954	Surface Legal Location NMPM, 034-029N-010W			E/W Dist (ft) 990.00	E/W Ref N/S Dist (ft) 990.00	N/S Ref

Well Config. - 30045077290000, 3/7/2008 3:23.12 PM



Pertinent Data Sheet

ConocoPhillips

Well Name: PIERCE FEDERAL A #1

API / UWI 3004507729	Surface Legal Location NMPM, 034-029N-010W	Field Name BSN (FTLD COAL)	License No #3046	State/Province NEW MEXICO	Well Configuration Type Edit
Ground Elevation (ft) 5,552.00	Original KB Elevation (ft) 5,559.50	KB-Ground Distance (ft) 7.50	KB-Casing Flange Distance (ft) 5,559.50	KB-Tubing Hanger Distance (ft) 5,559.50	
Well Attributes Edit					
Ong Spud Date 3/27/1954	Latitude (DMS) 36° 41' 13.848" N	Longitude (DMS) 107° 53' 2.4" W			
PBTDs Edit					
Depth (ftKB) 1,929.0	Comment Milled junk to 1929' (6/94)				
Formations Edit					
Formation Name	Final Top MD (ftKB)				
OJO ALAMO	755.0				
KIRTLAND	860.0				
FRUITLAND	1,508.0				
PICTURED CLIFFS	1,823.0				
Casing Strings Edit					
Casing Description Surface	Run Date 3/27/1954	Set Depth (ftKB) 100.5	Comment		
Item Description	OD (in)	ID (in)	WT (lbs/ft)	Grade	Jts
Casing Joints	9.5/8	8.921	36.00	H-40	3
Shoe	9.5/8	8.921	36.00		1
Casing Description Production	Run Date 3/30/1954	Set Depth (ftKB) 1,816.0	Comment		
Item Description	OD (in)	ID (in)	WT (lbs/ft)	Grade	Jts
Casing Joints	5.1/2	4.950	15.50	J-55	48
Shoe	5.1/2	4.950	15.50		1
Cement Edit					
Description	Start Date	End Date	Comment		
Surface Casing Cement	3/27/1954		100 sxs regular		
Production Casing Cement	3/30/1954		100 sxs; TOC @ 1420' (CBL 6/3/1994)		
Tubing - Production set at 1,812.5ftKB on 6/10/1994 00:00 Edit					
Tubing Description Tubing - Production	Run Date 6/10/1994	Set Depth (ftKB) 1,812.5	Comment Records unclear unsure of BHA		
Item Description	OD (in)	ID (in)	WT (lbs/ft)	Grade	Jts
Tubing	2.3/8	1.995	4.70	J-55	56
Seat Nipple	2.3/8		4.70	J-55	1
Tubing	2.3/8	1.995	4.70	J-55	1
Other In Hole Edit					
Description	Run Date	Top (ftKB)	Comment		
Junk	6/10/1994	1,929.0			
Perforations Edit					
Date	Top (ftKB)	Btm (ftKB)	Zone	Comment	
6/5/1994	1,686.0	1,743.0	FRUITLAND COAL 30045077290000	Perforated from 1686'-92', 1695'-1700', 1730'-34', 1738'-43' Total 80 holes	
6/3/1994	1,788.0	1,806.0	FRUITLAND COAL 30045077290000	Perforated from 1788'-1806' Total 72 holes	
Stimulations & Treatments Edit					
Hydraulic Fracture on 12/19/1954 00:00 Edit					
Type Hydraulic Fracture	Zone PICTURED CLIFFS 30045077290000	Comment Frac'd OH w/ 12,600 gals oil, 10,100# sand			
Hydraulic Fracture on 6/4/1994 00:00 Edit					
Type Hydraulic Fracture	Zone FRUITLAND COAL 30045077290000	Comment Frac'd w/ 13,482 gals 20# linear gel w/ 70Q N2 foam, 118,980# 20/40 AZ sand, 7,000# 12/20 Brady sand, 500,000 scf N2			
Hydraulic Fracture on 6/5/1994 00:00 Edit					
Type Hydraulic Fracture	Zone FRUITLAND COAL 30045077290000	Comment Frac'd w/ 11,340 gals 20# linear gel w/ 70Q N2 foam, 72,000# 20/40 AZ sand, 474,000 scf N2			
Logs Edit					
Date	Type				
3/31/1954	Electrical Log				
3/31/1954	Microlog				
6/3/1994	Cement Bond Log				
6/3/1994	GR Neutron Log				
6/9/1994	After Frac NGT Raw Data Log				



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

ANALYSIS NO. BU280312
CUST. NO. 52100 - 20725

WELL/LEASE INFORMATION

CUSTOMER NAME	CONOCO PHILLIPS COMPANY	SOURCE	TUBING
WELL NAME	PIERCE FEDERAL A #1	PRESSURE	35 PSI G
COUNTY/ STATE	SAN JUAN NM	SAMPLE TEMP	48 DEG.F
LOCATION	A34-29N-10W	WELL FLOWING	N/A
FIELD		DATE SAMPLED	3/4/2008
FORMATION	PC/FC	SAMPLED BY	RAYMIE BRISTOW
CUST.STN.NO.	7076101	FOREMAN/ENGR.	TERRY NELSON
	A02268840		

REMARKS

ANALYSIS				
COMPONENT	MOLE %	GPM**	B.T.U.*	SP GR *
NITROGEN	0.187	0.0000	0.00	0.0018
CO2	0.456	0.0000	0.00	0.0069
METHANE	91.301	0.0000	924.24	0.5058
ETHANE	5.241	1.4009	92.96	0.0544
PROPANE	1.630	0.4488	41.11	0.0248
I-BUTANE	0.314	0.1027	10.23	0.0063
N-BUTANE	0.283	0.0892	9.25	0.0057
I-PENTANE	0.118	0.0432	4.73	0.0029
N-PENTANE	0.076	0.0275	3.05	0.0019
HEXANE PLUS	0.394	0.1733	20.26	0.0127
TOTAL	100.000	2.2856	1,105.83	0.6233

* @ 14 730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14 730 PSIA & 60 DEG. F

COMPRESSIBILITY FACTOR (1/Z)	1.0030
BTU/CU.FT (DRY) CORRECTED FOR (1/Z)	1,109.3
BTU/CU.FT (WET) CORRECTED FOR (1/Z)	1,090.9
REAL SPECIFIC GRAVITY	0.6250

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,103.3	CYLINDER #	K021
DRY BTU @ 14.696	1,106.7	CYLINDER PRESSURE	40 PSIG
DRY BTU @ 14.730	1,109.3	DATE RUN	3/4/2008
DRY BTU @ 15.025	1,131.5	ANALYSIS RUN BY	AMANDA FLOREZ

CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

LEASE :	PIERCE FEDERAL A #1	TUBING	3/4/2008
STN.NO. :	7076101	PC/FC	52100 - 20725
MTR.NO. :	A02268840		

SMPL DATE	3/4/2008
TEST DATE	3/4/2008
RUN NR.	BU280312

NITROGEN	0.187
CO2	0.456
METHANE	91.301
ETHANE	5.241
PROPANE	1.630
I-BUTANE	0.314
N-BUTANE	0.283
I-PENTANE	0.118
N-PENTANE	0.076
HEXANE +	0.394

BTU	1,109.3
GPM	2.2856
SP.GRAV.	0.6250



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

ANALYSIS NO. BU280311
CUST. NO. 52100 - 20720

WELL/LEASE INFORMATION

CUSTOMER NAME	CONOCO PHILLIPS COMPANY	SOURCE	CASING
WELL NAME	PIERCE FEDERAL A #1	PRESSURE	40 PSI G
COUNTY/ STATE	SAN JUAN NM	SAMPLE TEMP	48 DEG.F
LOCATION	A34-29N-10W	WELL FLOWING	N/A
FIELD		DATE SAMPLED	3/4/2008
FORMATION	PC/FC	SAMPLED BY	RAYMIE BRISTOW
CUST.STN.NO.	7076101 A02268840	FOREMAN/ENGR.	TERRY NELSON

REMARKS

ANALYSIS				
COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.156	0.0000	0.00	0.0015
CO2	0.530	0.0000	0.00	0.0081
METHANE	90.609	0.0000	917.23	0.5019
ETHANE	6.103	1.6313	108.25	0.0634
PROPANE	1.797	0.4948	45.32	0.0274
I-BUTANE	0.310	0.1014	10.10	0.0062
N-BUTANE	0.258	0.0813	8.44	0.0052
I-PENTANE	0.078	0.0285	3.13	0.0019
N-PENTANE	0.032	0.0116	1.29	0.0008
HEXANE PLUS	0.127	0.0559	6.53	0.0041
TOTAL	100.000	2.4048	1,100.29	0.6205

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR	(1/Z)	1.0030
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	1,103.3
BTU/CU.FT (WET) CORRECTED FOR	(1/Z)	1,085.0
REAL SPECIFIC GRAVITY		0.6219

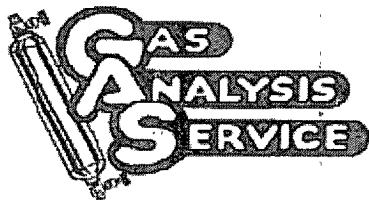
ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,097.3	CYLINDER #	A037
DRY BTU @ 14.696	1,100.8	CYLINDER PRESSURE	41 PSIG
DRY BTU @ 14.730	1,103.3	DATE RUN	3/4/2008
DRY BTU @ 15.025	1,125.4	ANALYSIS RUN BY	AMANDA FLOREZ

CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

LEASE : PIERCE FEDERAL A #1 CASING 3/4/2008
STN.NO.: 7076101 PC/FC 52100 - 2072C
MTR.NO.: A02268840

SMPL DATE	3/4/2008	3/3/2008
TEST DATE	3/4/2008	3/4/2008
RUN NR.	BU280311	BU280310
NITROGEN	0.156	0.185
CO2	0.530	0.168
METHANE	90.609	93.690
ETHANE	6.103	4.414
PROPANE	1.797	1.088
I-BUTANE	0.310	0.211
N-BUTANE	0.258	0.088
I-PENTANE	0.078	0.034
N-PENTANE	0.032	0.008
HEXANE +	0.127	0.114
BTU	1,103.3	1,074.1
GPM	2.4048	1.6416
SP.GRAV.	0.6219	0.5978



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

ANALYSIS NO. BU280310
CUST. NO. 52100 - 20720

WELL/LEASE INFORMATION

CUSTOMER NAME	CONOCO PHILLIPS COMPANY	SOURCE	CASING
WELL NAME	PIERCE FEDERAL A #1	PRESSURE	47 PSI G
COUNTY/ STATE	SAN JUAN NM	SAMPLE TEMP	50 DEG F
LOCATION	A34-29N-10W	WELL FLOWING	Y
FIELD		DATE SAMPLED	3/3/2008
FORMATION	PC/FC	SAMPLED BY	RAYMIE BRISTOW
CUST.STN.NO.	7076101	FOREMAN/ENGR.	TERRY NELSON
	A02268840		

REMARKS

ANALYSIS				
COMPONENT	MOLE %	GPM**	B.T.U *	SP GR *
NITROGEN	0.185	0.0000	0.00	0.0018
CO2	0.168	0.0000	0.00	0.0026
METHANE	93.690	0.0000	948.42	0.5190
ETHANE	4.414	1.1798	78.30	0.0458
PROPANE	1.088	0.2996	27.44	0.0166
I-BUTANE	0.211	0.0690	6.88	0.0042
N-BUTANE	0.088	0.0277	2.88	0.0018
I-PENTANE	0.034	0.0124	1.36	0.0008
N-PENTANE	0.008	0.0029	0.32	0.0002
HEXANE PLUS	0.114	0.0501	5.86	0.0037
TOTAL	100.000	1.6416	1,071.46	0.5965

* @ 14 730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG F

COMPRESSIBILITY FACTOR (1/Z)	1.0020
BTU/CU FT (DRY) CORRECTED FOR (1/Z)	1,074.1
BTU/CU FT (WET) CORRECTED FOR (1/Z)	1,056.3
REAL SPECIFIC GRAVITY	0.5978

ANALYSIS RUN AT 14 730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,068.3
DRY BTU @ 14.696	1,071.6
DRY BTU @ 14.730	1,074.1
DRY BTU @ 15.025	1,095.6

CYLINDER #	K045
CYLINDER PRESSURE	46 PSIG
DATE RUN	3/3/2008
ANALYSIS RUN BY	AMANDA FLOREZ

CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

LEASE : PIERCE FEDERAL A #1 CASING 3/4/2008
STN.NO.: 7076101 PC/FC 52100 - 2072C
MTR.NO.: A02268840

SMPL DATE 3/3/2008
TEST DATE 3/3/2008
RUN NR. BU280310

NITROGEN 0.185
CO2 0.168
METHANE 93.690
ETHANE 4.414
PROPANE 1.088
I-BUTANE 0.211
N-BUTANE 0.088
I-PENTANE 0.034
N-PENTANE 0.008
HEXANE + 0.114

BTU 1,074.1
GPM 1.6416
SP.GRAV. 0.5978



Water Analysis Report

Customer : ConocoPhillips-San Juan Basin

Date Sampled : 03-Mar-08

Date Reported : 10-Mar-08

Date Received : 10-Mar-08

Address :

City : Farmington

State : NM **Postal Code :**

Field : San Juan Basin

Lease : San Juan Basin Area 26

Location : Pierce Federal #A1

Sample Point : wellhead

Attention :

cc1 :

cc2 :

Salesman : Kevin Fredrickson

Comments : run 389

Analyst : Karen Hawkins Allen

CATIONS

Calcium : 301 mg/l
Magnesium : 126 mg/l
Barium : mg/l
Strontium : mg/l
Iron : 1.0 mg/l
Manganese : mg/l
Sodium : 1221 mg/l

ANIONS

Chloride : 2,000 mg/l
Carbonate : 0 mg/l
Bicarbonate : 98 mg/l
Sulfate : 983 mg/l

pH (field) : 7.10
Temperature : 49 degrees F
Specific Gravity : 1.010 grams/ml
T D S : 4,730 ppm
Ionic Strength : 0.08

CO2 in Water : 6 mg/l
CO2 in Gas : 0.03 mole %
H2S in Water : 1.00 mg/l
Dissolved Oxygen : ppm
Resistivity : ohm/meters

SI calculations based on Tomson-Oddo parameters

Calcite (CaCO ₃) SI :	-0.63	Calcite PTB :	N/A
Calcite (CaCO ₃) SI @ 100 F :	-0.13	Calcite PTB @ 100 F :	N/A
Calcite (CaCO ₃) SI @ 120 F :	0.08	Calcite PTB @ 120 F :	4.4
Calcite (CaCO ₃) SI @ 140 F :	0.30	Calcite PTB @ 140 F :	15.4
Calcite (CaCO ₃) SI @ 160 F :	0.53	Calcite PTB @ 160 F :	24.2
Calcite (CaCO ₃) SI @ 180 F :	0.76	Calcite PTB @ 180 F :	31.2
Calcite (CaCO ₃) SI @ 200 F :	1.00	Calcite PTB @ 200 F :	37.2
Gypsum (CaSO ₄) SI :	-1.07	Gypsum PTB :	N/A
Barite (BaSO ₄) SI :	N/A	Barite PTB :	N/A
Celestite (SrSO ₄) SI :	N/A	Celestite PTB :	N/A

Confidential

Champion Technologies, Inc.
Vernal District Technical Services