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

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

Form C-103
May 27, 2004

WELL API NO.
30-039-26535

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
E-290-38

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.)

7. Lease Name or Unit Agreement Name
San Juan 27-5 Unit

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

8. Well Number
#90F

2. Name of Operator
Burlington Resources Oil & Gas Company LP

9. OGRID Number
14538

3. Address of Operator
3401 E. 30th Street, Farmington, NM 87402

10. Pool name or Wildcat
Basin DK/ Blanco MV

4. Well Location

Unit Letter **H** : **2275** feet from the North line and **200** feet from the **East** line

Section **16** Township **27N** Range **5W** NMPM County Rio Arriba

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
6610 KB

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: ☒ Non Repair INT Casing				OTHER: ☐			

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.

Burlington requests approval for non-repair of the intermediate casing. Please see the attached proposal and WBD.

RCVD APR 15 '08
OIL CONS. DIV.
DIST. 3

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 _____ TITLE Regulatory Tech DATE 4/14/08

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

For State Use Only

APPROVED BY: _____ TITLE SUPERVISOR DISTRICT # 3 DATE APR 21 2008

Conditions of Approval (if any):

San Juan San Juan 27-5 90F
Proposal to Not Repair Intermediate Casing

Gas samples from intermediate and production casing indicate the same gas is flowing through both strings. Pressures readings taken during the bradenhead test and re-test indicate that there is not an integrity issue with the bradenhead (no pressure in bradenhead).

Pertinent data for this well is summarized below.

Formation: MV/DK
TD: 7,854
PBTD: 7,848'

Surface Casing: 9-5/8" 32.3 #/ft set at 219' with cement circulated to surface
Intermediate Casing: 7" 20.0 #/ft J-55 set at 3,623'
Production Casing: 4-1/2" 10.50 #/ft set at 7,854' with a TOC @ 3,360' (by TS)

Perforations:

5076'- 5452' (MV)
5527'-5798' (MV)
7,571'-7,794' (DK)

Formation Tops:

Ojo Alamo	2.776
Kirtland	2.924
Fruitland Coal	3,012
Picture Cliff	3,410
Cliff House	5.073
Menefee	5.228
Point Lookout:	5,583
Mancos	6,072
Gallup	6,533
Greenhorn	6,829
Greenhorn	7,513
Dakota:	7,590

Given the lack of pressure on the bradenhead, the gas on the intermediate head is most likely coming from the production casing. Both intermediate and production casing have almost the same pressure and the samples indicate a very similar composition (see samples attached). Additionally, freshwater aquifers are not threatened since there is no pressure on the bradenhead. ConocoPhillips proposes to repair this well once pressure is found on the bradenhead.

ConocoPhillips would like to propose the following:

- Lease operator will continue to monitor wellhead pressures as normal.
- If the bradenhead pressure continues to reflect 0 to 24 psig, continue to operate as normal.
- If the bradenhead pressure reflects a pressure 25 psig or greater, the BLM will be notified.
- ConocoPhillips will meet with BLM representatives if necessary to further discuss the proposals.

ConocoPhillips will continue to operate in a safe and environmentally friendly manner. The company will continue to notify the BLM within five days of known casing failures, as directed. The company will also immediately address necessary plans to repair known wellbore integrity issues that indicate obvious casing and / or cement failures. ConocoPhillips will continue to operate in a prudent manner.

DM
3-07-08

Current Schematic

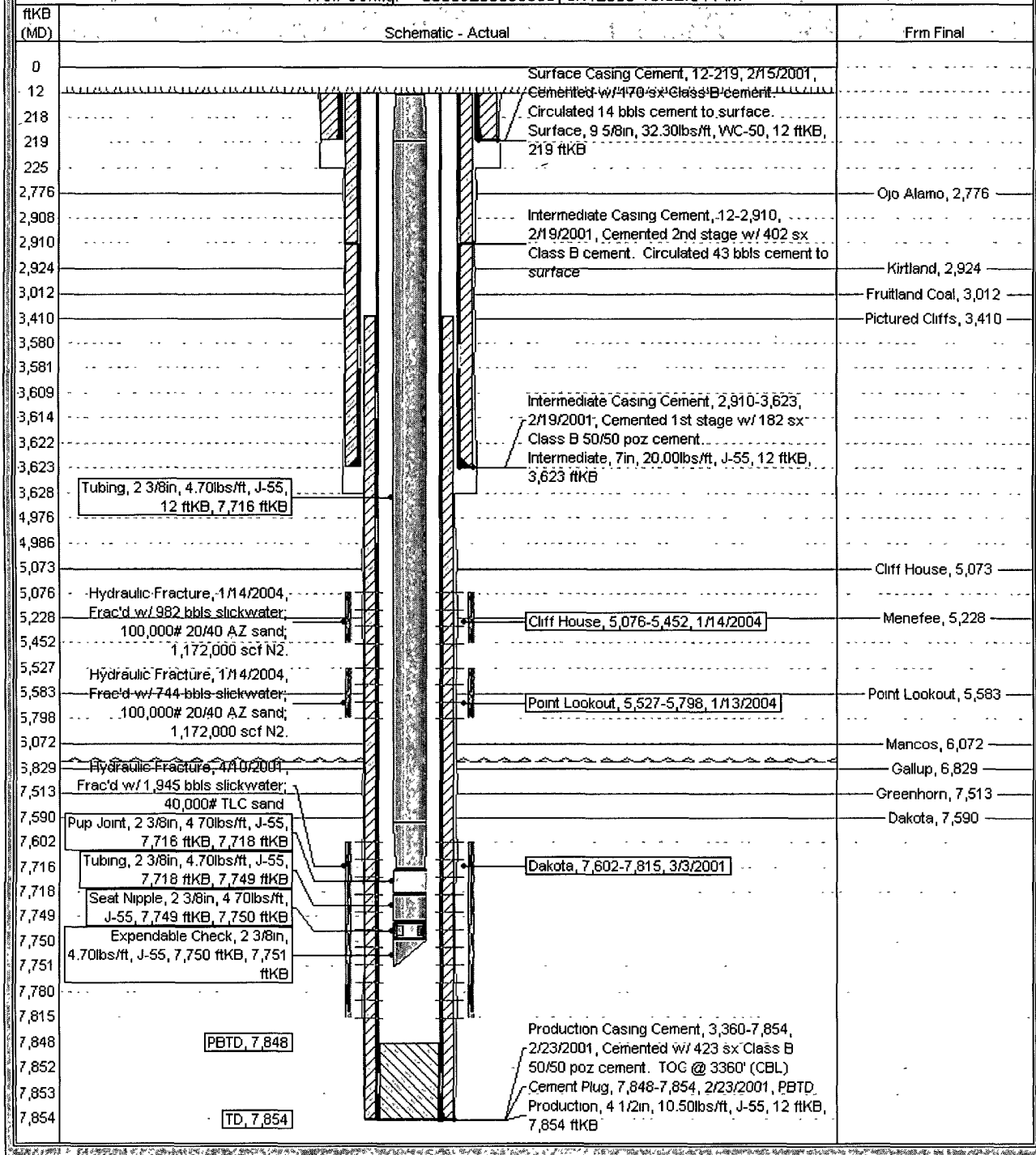
ConocoPhillips

Well Name: SAN JUAN 27-5 UNIT #90F

API / UWI	Surface Legal Location	Field Name	License No	State/Province	Well Configuration Type
3003926535	NMPM,016-027N-005W	BASIN DAKOTA (PRORATED GAS)		NEW MEXICO	Edit

Ground Elevation (ft)	Original KB Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)
6,598.00	6,610.00	12.00	6,610.00	6,610.00

Well Config: - 30039265350000, 3/7/2008 10:32:34 AM



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

ANALYSIS NO. BU280320
CUST. NO. 52100 - 20740

WELL/LEASE INFORMATION

CUSTOMER NAME	CONOCO PHILLIPS COMPANY	SOURCE	CASING
WELL NAME	SAN JUAN 27-5 #90F	PRESSURE	443 PSI G
COUNTY/ STATE	RIO ARRIBA NM	SAMPLE TEMP	N/A DEG.F
LOCATION	H16-27N-05W	WELL FLOWING	N
FIELD		DATE SAMPLED	03/05/2008
FORMATION		SAMPLED BY	DAVID MONTOYA
CUST.STN.NO.	82987	FOREMAN/ENGR.	RICHARD LOPEZ
	A02299688		

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.454	0.0000	0.00	0.0044
CO2	0.716	0.0000	0.00	0.0109
METHANE	83.967	0.0000	850.00	0.4652
ETHANE	7.668	2.0496	136.01	0.0796
PROPANE	4.762	1.3112	120.10	0.0725
I-BUTANE	0.645	0.2110	21.02	0.0129
N-BUTANE	1.170	0.3688	38.26	0.0235
I-PENTANE	0.310	0.1134	12.43	0.0077
N-PENTANE	0.226	0.0818	9.08	0.0056
HEXANE PLUS	0.082	0.0366	4.34	0.0027
TOTAL	100.000	4.1724	1,191.24	0.6851

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY
** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBLITY FACTOR	(1/Z)	1.0030
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	1,195.1
BTU/CU.FT (WET) CORRECTED FOR	(1/Z)	1,175.1
REAL SPECIFIC GRAVITY		0.6869

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	1,188.6	CYLINDER #	033
DRY BTU @ 14.696	1,192.3	CYLINDER PRESSURE	484 PSIG
DRY BTU @ 14.730	1,195.1	DATE RUN	03/06/2008
DRY BTU @ 15.025	1,219.0	ANALYSIS RUN BY	DAWN BLASSINGAME

CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

LEASE :	SAN JUAN 27-5 #90F	CASING	3/7/2008
STN.NO. :	82987		52100 - 20740
MTR.NO. :	A02299688		

SMPL DATE	03/05/2008
TEST DATE	03/06/2008
RUN NR	BU280320
NITROGEN	0.454
CO2	0.716
METHANE	83.967
ETHANE	7.668
PROPANE	4.762
I-BUTANE	0.645
N-BUTANE	1.170
I-PENTANE	0.310
N-PENTANE	0.226
HEXANE +	0.082
BTU	1,195.1
GPM	4.1724
SP.GRAV.	0.6869

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

ANALYSIS NO. BU280321
CUST. NO. 52100 - 20745

WELL/LEASE INFORMATION

CUSTOMER NAME	CONOCO PHILLIPS COMPANY	SOURCE	INTERMEDIATE
WELL NAME	SAN JUAN 27-5 #90F	PRESSURE	512 PSI G
COUNTY/ STATE	RIO ARRIBA NM	SAMPLE TEMP	N/A DEG.F
LOCATION	H16-27N-05W	WELL FLOWING	N
FIELD		DATE SAMPLED	03/05/2008
FORMATION		SAMPLED BY	DAVID MONTOYA
CUST.STN.NO.	82987	FOREMAN/ENGR.	RICHARD LOPEZ
	A02299688		

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.563	0.0000	0.00	0.0054
CO2	0.001	0.0000	0.00	0.0000
METHANE	87.026	0.0000	880.96	0.4821
ETHANE	6.999	1.8708	124.15	0.0727
PROPANE	3.548	0.9769	89.48	0.0540
I-BUTANE	0.575	0.1881	18.74	0.0115
N-BUTANE	0.792	0.2497	25.90	0.0159
I-PENTANE	0.226	0.0827	9.06	0.0056
N-PENTANE	0.145	0.0525	5.83	0.0036
HEXANE PLUS	0.125	0.0558	6.61	0.0041
TOTAL	100.000	3.4764	1,160.73	0.6551

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY
** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBLITY FACTOR	(1/Z)	1.0030
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	1,164.1
BTU/CU.FT (WET) CORRECTED FOR	(1/Z)	1,144.7
REAL SPECIFIC GRAVITY		0.6565

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	1,157.8
DRY BTU @ 14.696	1,161.4
DRY BTU @ 14.730	1,164.1
DRY BTU @ 15.025	1,187.4

CYLINDER #	A012
CYLINDER PRESSURE	547 PSIG
DATE RUN	03/06/2008
ANALYSIS RUN BY	DAWN BLASSINGAME

CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

LEASE :	SAN JUAN 27-5 #90F	INTERMEDIATE	3/7/2008
STN.NO. :	82987		52100 - 20745
MTR.NO. :	A02299688		

SMPL DATE	03/05/2008
TEST DATE	03/06/2008
RUN NR.	BU280321
NITROGEN	0.563
CO2	0.001
METHANE	87.026
ETHANE	6.999
PROPANE	3.548
I-BUTANE	0.575
N-BUTANE	0.792
I-PENTANE	0.226
N-PENTANE	0.145
HEXANE +	0.125
BTU	1,164.1
GPM	3.4764
SP.GRAV.	0.6565

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BRADENHEAD TEST REPORT

Date of Test 9/6/2007 Operator BR API 30039265350000

Property Name SAN JUAN 27-5 UNIT Well No. 90F Unit H Section 16

Well Status Flowing Township 027N Range 005W

Tubing 150 Intermediate 497 Casing 418 Bradenhead 0

TIME (minutes)	Bradenhead PSIs BHD	INT	CSG
5	0	147	417
10	0	147	417
15	0	147	417
20	0	148	418
25	0	149	418
30	0	149	418

TIME (minutes)	Intermediate PSIs INT	CSG
5		
10		
15		
20		
25		
30		

5 Minute Shut-In Bradenhead 0 Intermediate 147

Flow Characteristics	BHD	INT
Steady Flow	☐	☑
Surges	☐	☐
Down to Nothing	☐	☐
Nothing	☑	☐
Gas	☐	☑
Gas and Water	☐	☐
Water	☐	☐

Water Flow	BHD	INT
Clear	☐	☐
Fresh	☐	☐
Salty	☐	☐
Sulfur	☐	☐
Black	☐	☐
Muddy	☐	☐

Tested By Julian Montoya Witness

Remarks