submitted in lieu of Form 3160-5

RCVD MAR 24 '08

OIL CONS. DIV.

DIST. 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

RECEIVED

MAR 17 2008

Bureau of Land Management
Farmington Field Office

1. **Type of Well**
GAS

2. **Name of Operator**
BURLINGTON RESOURCES OIL & GAS COMPANY LP

3. **Address & Phone No. of Operator**
PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. **Location of Well, Footage, Sec., T, R, M**
Sec., T—N, R—W, NMPM

Unit M (SWSW), 530' FSL & 90' FWL, Sec. 15, T27N, R5W NMPM

5. **Lease Number**
NMSF-079403

6. **If Indian, All. or Tribe Name**

7. **Unit Agreement Name**
San Juan 27-5 Unit

8. **Well Name & Number**
San Juan 27-5 Unit 108E

9. **API Well No.**
30-039-23910

10. **Field and Pool**
Basin DK

11. **County and State**
Rio Arriba, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission:	Type of Action:		
☒ Notice of Intent	☐ Abandonment	☐ Change of Plans	☒ Other : Non Repair of BH
☐ Subsequent Report	☐ Recompletion ☐ Plugging ☐ Casing Repair	☐ New Construction ☐ Non-Routine Fracturing ☐ Water Shut-off	
☐ Final Abandonment	☐ Altering Casing	☐ Conversion to Injection	

13. Describe Proposed or Completed Operations

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

14. I hereby certify that the foregoing is true and correct.

Signed _____ Philana Thompson Title Regulatory Tech Date 3/14/2008

(This space for Federal or State Office use)
APPROVED BY Original Signed: Stephen Mason Title _____ Date MAR 20 2008
CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

NMOCD

San Juan San Juan 27-5 108E
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: DK
TD: 7,822'
PBTD: 7,614'

Surface Casing: 9-5/8" 32.3 #/ft set at 223' with cement circulated to surface
Intermediate Casing: 7" 20.0 #/ft J-55 set at 3,378' with a TOC @ 3,704' (by TS)
Production Casing: 4-1/2" 10.50 #/ft set at 7,822' with a TOC @ 2,500' (by TS)

Perforations:
7,571'-7,794' (DK)

Formation Tops:

Chacra	4,350
Mesa Verde	5,052
Menefee:	5,172
Point Lookout:	5,550
Mancos	6,050
Gallup:	6,533
Greenhorn:	7,483
Graneros:	7,451
Dakota:	7,675

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 #108E

API / UWI	Surface Legal Location	Field Name	License No.	State/Province	Well Configuration Type
3003923910	NMPM,015-027N-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)
6,590.00	6,600.00	10.00	6,600.00	6,600.00

Well Config: - 30039239100000, 3/7/2008 9:49:27 AM

ftKB (MD)	Schematic - Actual	Frm Final
0		
10	Surface Casing Cement, 10-223, 11/7/1985, Cemented w/ 115 sx Class B cement Circulated 7 bbls cement to surface. Surface, 9 5/8in, 32.30lbs/ft, H-40, 10 ftKB, 223 ftKB, Adjusted set depth for a 10' KB.	
222		
223		
234		
3,620	Cement Squeeze, 3,620-3,675, 10/10/2007 Intermediate, 7in, 20.00lbs/ft, K-55, 10 ftKB, 3,704 ftKB, Adjusted set depth for a 10' KB. Intermediate Casing Cement, 2,500-3,704, 11/11/1985, Cemented w/ 91 sx Class B 65/35 cement followed by 100 sx Class B cement. TOC @ 2500' (TS)	
3,703		
3,704		
3,710	Tubing, 2 3/8in, 4.70lbs/ft, J-55, 10 ftKB, 7,750 ftKB	
4,350		Chacra, 4,350
5,052		Mesaverde, 5,052
5,172		Menfeee, 5,172
5,550		Point Lookout, 5,550
6,050		Mancos, 6,050
6,462		
6,533		Gallup, 6,533
7,471		
7,477		
7,483		Greenhorn, 7,483
7,541		Graneros, 7,541
7,571	Hydraulic Fracture, 11/22/1985, Frac'd w/ 186,000# 20/40 sand; 98,000 gals 50# linear gel & slickwater.	
7,675	Dakota, 7,571-7,794, 11/22/1985	Dakota, 7,675
7,750	Pup Joint, 2 3/8in, 4.70lbs/ft, J-55, 7,750 ftKB, 7,753 ftKB	
7,753	Tubing, 2 3/8in, 4.70lbs/ft, J-55, 7,753 ftKB, 7,784 ftKB	
7,784	Seat Nipple, 2 3/8in, 4.70lbs/ft, J-55, 7,784 ftKB, 7,785 ftKB	
7,785	Expendable Check, 2 3/8in, 4.70lbs/ft, J-55, 7,785 ftKB, 7,786 ftKB	
7,786		
7,794		
7,814	PBTD, 7,814	
7,816		
7,822		
7,822	TD, 7,822	

Production Casing Cement, 3,200-7,822, 11/17/1985, Cemented w/ 237 sx Class B cement followed by 100 sx Class B cement TOC @ 3200' (TS)
Cement Plug, 7,814-7,822, 11/17/1985, PBTD
Production, 4 1/2in, 10.50lbs/ft, K-55, 10 ftKB, 7,822 ftKB

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

ANALYSIS NO. BU280325
CUST. NO. 52100 - 20765

WELL/LEASE INFORMATION

CUSTOMER NAME	CONOCO PHILLIPS COMPANY	SOURCE	INTERMEDIATE
WELL NAME	SAN JUAN 27-5 #108E	PRESSURE	220 PSI G
COUNTY/ STATE	RIO ARRIBA NM	SAMPLE TEMP	N/A DEG.F
LOCATION	M15-27N-05W	WELL FLOWING	Y
FIELD		DATE SAMPLED	03/04/2008
FORMATION		SAMPLED BY	DAVID MONTOYA
CUST.STN.NO.	85913	FOREMAN/ENGR.	RICHARD LOPEZ
	A728810		

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.398	0.0000	0.00	0.0038
CO2	0.019	0.0000	0.00	0.0003
METHANE	89.252	0.0000	903.50	0.4944
ETHANE	5.958	1.5925	105.68	0.0619
PROPANE	2.810	0.7737	70.87	0.0428
I-BUTANE	0.371	0.1214	12.09	0.0074
N-BUTANE	0.634	0.1999	20.73	0.0127
I-PENTANE	0.172	0.0629	6.90	0.0043
N-PENTANE	0.132	0.0478	5.30	0.0033
HEXANE PLUS	0.254	0.1133	13.43	0.0084
TOTAL	100.000	2.9115	1,138.50	0.6394

* @ 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)	1,141.7
BTU/CU.FT (WET) CORRECTED FOR	(1/Z)	1,122.7
REAL SPECIFIC GRAVITY		0.6408

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	1,135.5
DRY BTU @ 14.696	1,139.1
DRY BTU @ 14.730	1,141.7
DRY BTU @ 15.025	1,164.6

CYLINDER #	4142
CYLINDER PRESSURE	201 PSIG
DATE RUN	03/06/2008
ANALYSIS RUN BY	TIFFANI MONTOYA

CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

LEASE :	SAN JUAN 27-5 #108E	INTERMEDIATE	3/7/2008
STN.NO. :	85913		52100 - 20765
MTR.NO. :	A728810		

SMPL DATE	03/04/2008
TEST DATE	03/06/2008
RUN NR.	BU280325
NITROGEN	0 398
CO2	0.019
METHANE	89 252
ETHANE	5.958
PROPANE	2.810
I-BUTANE	0 371
N-BUTANE	0.634
I-PENTANE	0.172
N-PENTANE	0.132
HEXANE +	0.254
BTU	1,141.7
GPM	2.9115
SP.GRAV	0.6408

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

ANALYSIS NO. BU280324
CUST. NO. 52100 - 20760

WELL/LEASE INFORMATION

CUSTOMER NAME	CONOCO PHILLIPS COMPANY	SOURCE	CASING
WELL NAME	SAN JUAN 27-5 #108E	PRESSURE	160 PSI G
COUNTY/ STATE	RIO ARRIBA NM	SAMPLE TEMP	N/A DEG.F
LOCATION	M15-27N-05W	WELL FLOWING	Y
FIELD		DATE SAMPLED	03/04/2008
FORMATION		SAMPLED BY	DAVID MONTOYA
CUST.STN.NO.	85913	FOREMAN/ENGR.	RICHARD LOPEZ
	A728810		

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.268	0.0000	0.00	0.0026
CO2	0.072	0.0000	0.00	0.0011
METHANE	82.380	0.0000	833.93	0.4564
ETHANE	8.947	2.3914	158.70	0.0929
PROPANE	4.073	1.1215	102.72	0.0620
I-BUTANE	0.844	0.2761	27.51	0.0169
N-BUTANE	1.384	0.4363	45.26	0.0278
I-PENTANE	0.768	0.2810	30.80	0.0191
N-PENTANE	0.608	0.2202	24.43	0.0151
HEXANE PLUS	0.656	0.2927	34.69	0.0217
TOTAL	100.000	5.0192	1,258.04	0.7157

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

COMPRESSIBLITY FACTOR	(1/Z)	1.0040
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	1,262.6
BTU/CU.FT (WET) CORRECTED FOR	(1/Z)	1,241.5
REAL SPECIFIC GRAVITY		0.7179

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	1,255.7
DRY BTU @ 14.696	1,259.7
DRY BTU @ 14.730	1,262.6
DRY BTU @ 15.025	1,287.9

CYLINDER #	6168
CYLINDER PRESSURE	157 PSIG
DATE RUN	03/06/2008
ANALYSIS RUN BY	TIFFANI MONTOYA

CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

LEASE :	SAN JUAN 27-5 #108E	CASING	3/7/2008
STN.NO. :	85913		52100 - 20760
MTR.NO. :	A728810		

SMPL DATE	03/04/2008
TEST DATE	03/06/2008
RUN NR.	BU280324
NITROGEN	0.268
CO2	0.072
METHANE	82.380
ETHANE	8.947
PROPANE	4.073
I-BUTANE	0.844
N-BUTANE	1.384
I-PENTANE	0.768
N-PENTANE	0.608
HEXANE +	0.656
BTU	1,262.6
GPM	5.0192
SP GRAV.	0.7179

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BRADENHEAD TEST REPORT

Date of Test 10/1/2007 Operator BR API 30039239100000

Property Name SAN JUAN 27-5 UNIT Well No. 108E Unit M Section 15

Well Status Flowing Township 027N Range 005W

Tubing 138 Intermediate 393 Casing 147 Bradenhead 0

TIME (minutes)	Bradenhead PSIs BHD	INT	CSG
5	0	134	145.5
10	0	134.9	145.5
15	0	135.1	145.5
20	0	135.1	145.5
25	0	135.2	145.7
30	0	135.2	145.7

TIME (minutes)	Intermediate PSIs INT	CSG
5	134	145.5
10	134.9	145.5
15	135.1	145.5
20		
25		
30		

5 Minute Shut-In Bradenhead 0 Intermediate 134.9

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