submitted in lieu of Form 3160-5 UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

	Sundry Notices and I	Reports on Wells			
1.	Type of Well GAS	RE	ECEIVED FEB 2 7 2008	5. 6.	Lease Number SF-079394 If Indian, All. or Tribe Name
2.		() uma	u of Land Management rmington Field Office	7.	Unit Agreement Name
	BURLINGTON RESOURCES (OIL & GAS COMPANY L	P		San Juan 27-5 Unit
_				 8.	Well Name & Number
3.	Address & Phone No. of C PO Box 4289, Farmington,	NM 87499 (505) 326-9700	0	9.	San Juan 27-5 Unit 169M API Well No.
4.	Location of Well, Footage, Sec., T—N, R—W, NMPM			10.	30-039-27638 Field and Pool
	Unit K (NESW), 1690	' FSL & 2065' FWL, Sec.	33, T27N, R5W NMPM	11.	Blanco MV/ Basin DK County and State Rio Arriba, NM
1	. CHECK APPROPRIATE Type of Submission: Notice of Intent Subsequent Report	Type of Action: ☐ Abandonment ☐ Recompletion ☐ Plugging	TURE OF NOTICE, REPORT, o ☐ Change of Plans ☐ New Construction ☐ Non-Routine Fracturing	OTHER I	
	☐ Final Abandonment	☐ Casing Repair ☐ Altering Casing	☐ Water Shut-off ☐ Conversion to Injection		
13	. Describe Proposed or Con Burlington Resources requ and WBD.	•	repair of the intermediate casing	. Please s	ee the attached proposal RCVD FEB 28 '08 OIL CONS. DIV. DIST. 3
	I. I hereby certify that the fo	1111	t. ompson Title Regulator	ry Tech	Date <u>2/28/2008</u>
Al	his space for Federal or State (PPROVED BY	11116	e		Date FEB 2 8 2003

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.



San Juan San Juan 27-5 169M Proposal to Not Repair Intermediate Casing

The San Juan 27-5 Unit #169M may fail its bradenhead test due to pressure on the intermediate head. 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: 7,640' PBTD: 7,636'

Surface Casing: 9-5/8" 32.3 #/ft set at 155' with cement circulated to surface Intermediate Casing: 7" 20.0 #/ft J-55 set at 3,378' circulated to surface

Production Casing:

4-1/2" 10.50 #/ft set at 7,640' with a TOC @ 3,125' (by CBL)

Perforations:

4,015'-4,384' (L) 4,466'-4,966' (MV) 5,179'-5,790' (DK) 7,424'-7,608' (DK)

Formation Tops:

2,660 Ojo Alamo Kirtland 2.775 3,000 Fruitland Picture Cliffs 3,218 Chacra 4.168 Cliff House: 4.835 Menefee: 4,968 Point Lookout: 5,380 Mancos 5,810 Gallup: 6,516 Greenhorn: 7,374 7,606 Dakota:

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 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 2-11-08

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BRADENHEAD TEST REPORT

Date of Test	9/18	3/2007	Open	ator Burlington	Hesources	-	API		
Property Nar	me <u>SA</u> I	N JUAN 27-5	UNIT	Well No. 16	69M L	Init K	Section	1 <u>3</u>	3
Well Status	Flowin	g			Т	ownship	027N	Rang	je <u>005W</u>
Tubing 1	75	Intermediate	209	Casing	209 B	radenhea	d	0	
		nead PSIs			TIME		diate PS		
(minutes) 5	BHD 0	INT	CSG	_	(minutes)		CSG		
-		209	209	-	5	2	205.		
10 _	0	209	209	_	10	1.5	203.		
15 _	0	209	209	-	15	1.5	202		
20		-		_	20	1.4	200.		
25				-	25	1.5	200		
					00	1.5	199.	5	
30 _	ut-In	Brad	denhead	0	30 Ir	ntermediate		40	
5 Minute Sh			-	0	lr Wate i	itermediat	е		INIT
5 Minute Sh Flow Characterist		BHD	INT	0	lr Water Flow	itermediat	e BHD		INT
5 Minute Sh Flow Characteris Steady Flow			-	0	Water Flow Clear	itermediat	е		INT
5 Minute Sh	tics	BHD	INT	0	lr Water Flow	itermediat	BHD		
Flow Characterist Steady Flow Surges	tics	BHD	INT INT	0	Water Flow Clear Fresh	itermediat	BHD		
Flow Characterist Steady Flow Surges Down to Nothi	tics	BHD	INT	0	Water Flow Clear Fresh Salty	itermediat	BHD		
Flow Characterist Steady Flow Surges Down to Nothin	tics ing	BHD	INT INT	0	Water Flow Clear Fresh Salty Sulfur	itermediat	BHD		

Remarks

Bradenhead had Opsi. Intermediate had 209psi same as the casing. Blew intermediate and never blew down through 2" valve. Did thirty minute test and casing keep dropping. 5min was 40psi.

CURRENT SCHEMATIC ConocoPhillips SAN JUAN 27-5 UNIT #169M API / UWI Field Name State/Province Edit BASIN DAKOTA (PRORATED GAS) 3003927638 RIO ARRIBA **NEW MEXICO** Original: Spud Date E/W Ref N/S Ref Surface Legal Location E/W Dist (ft) N/S Dist (ft) NMPM,033-027N-005W 3/27/2004 2,065 00 1,690.00 Well:Config = 30039276380000 (2/11/2008 10:08:49 AM) Schematic - Actual Frm Final (MĎ) Hydraulic Fracture 4/20/2004Frac'd w/,623.bbls foam: ... 15 200,000# 20/40 AZ sand; 56 Surface Casing Cement, 15-155, 3/28/2004, 1,356,000 scf N2. Cemented w/ 105 sx Type III cement. 77 Circulated 10 bbls cement to surface. 154 Surface, 9 5/8in, 32 30lbs/ft, H-40, 15 ftKB. 155 155 ftKB 160 2,660 Ojo Alamo, 2,660 Intermediate Casing Cement, 15-2,686. 2,682 3/31/2004, Cemented 2nd stage w/ 32 sx 2,685 Premium Lite cement. Circulated 38 bbls 2,775 Kirtland, 2,775 cement to surface. 3,000 Fruitland, 3,000 3,218 Pictured Cliffs, 3,218 Intermediate Casing Cement, 2,686-3,378, 3,332 3/31/2004; Cemented 1st stage w/ 42 sx Premium Lite followed by 90 sx Type III 3,333 cement 3,377 Intermediate, 7in, 20.00lbs/ft, J-55, 15 ftKB, Tubing, 2 3/8in, 4.70lbs/ft, J-55, 3,378 3,378 ftKB 15 ftKB, 7,522 ftKB 3,388 Hydraulic Fracture, 4/23/2004, 1,015 Frac'd w/ 623 bbls foam; 1,168 200,000# 20/40 AZ sand, Chacra, 4,168 Lewis, 4,015-4,384, 4/20/2004 1,384 1,356,000 scf N2. Hydraulic Fracture, 4/22/2004, 1,466 Frac'd w/1,148 bbls foam; 1,724 Cliff House/Menefee, 4,466-4,966, 4/20/2004 100,000# 20/40 AZ sand; 1.738 1,245,500 scf N2. 1.835 Cliff House, 4,835 1,966 1,968 Menetee, 4,968 -5,179 Hydraulic Fracture, 4/21/2004, Menefee/Point Lookout, 5,179-5,790, Frac'd w/1,179 bbls foam; 5,380 Point Lookout, 5,380 100,000# 20/40 AZ sand; 4/20/2004 5,790 1,287,600 scf N2. 5,810 Mancos, 5,810 3,516 Gallup, 6,516 Hydraulic Fracture, 4/20/2004, 7,183 Frac'd w/ 2,516 bbls slickwater; 7,196 40,000# 20/40 TLC sand. 7,374 Greenhorn, 7,374 Pup Joint, 2 3/8in, 4.70lbs/ft, J-55, ,424 7,522 ftKB, 7,524 ftKB Tubing, 2 3/8in, 4.70lbs/ft, J-55, ,522 Dakota, 7,424-7,608, 4/20/2004 7,524 ftKB, 7,555 ftKB ,524 Seat Nipple, 2 3/8in, 7,555 ftKB, 7,555 7,556 ftKB Expendable Check, 2 3/8in, 7,556 ,556 7,557 ftKB, 7,557 ftKB ,606 Dakota, 7,606 Production Casing Cement, 3,125-7,640, ⁷,608 4/3/2004, Cemented w/ 9 sx Scavenger followed by 279 sx Premium Lite cement. 7,636 PBTD, 7,636 TOC @ 3125' (CBL) 7,638 Cement Plug, 7,636-7,640, 4/3/2004 639 Production, 4 1/2in, 10 50lbs/ft, J-55, 15 ftKB, 639 7.640 ftKB ,640 TD, 7,640 Cement Plug, 7,640-7,640, 4/3/2004, PBTD Page 1/1 Report Printed: 2/11/2008



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

ANALYSIS NO.

BU280213

CUST. NO.

52100 - 20670

WELL/LEASE INFORMATION

CUSTOMER NAME

WELL NAME

COUNTY/ STATE LOCATION

FIELD FORMATION

CUST.STN.NO.

MV/DK 83655 A02303642

CONOCO PHILLIPS COMPANY SAN JUAN 27-5 #169M

RIO ARRIBA

NM

SOURCE PRESSURE

CASING 237 PSI G DEG F N/A

SAMPLE TEMP **WELL FLOWING**

DATE SAMPLED SAMPLED BY

01/28/2008 WAYNE PEACE

Υ

FOREMAN/ENGR.

REMARKS

LEASE: SF-079394

ANAI YSIS

		ANALYSIS		
COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.399	0.0000	0.00	0.0039
CO2	0.967	0.0000	0.00	0.0147
METHANE	83.033	0.0000	840.54	0.4600
ETHANE	8.657	2.3139	153.56	0.0899
PROPANE	4.261	1.1732	107.46	0.0649
I-BUTANE	0.735	0.2404	23.96	0.0148
N-BUTANE	1.049	0.3307	34.30	0.0211
I-PENTANE	0.325	0.1189	13.03	0.0081
N-PENTANE	0.227	0.0822	9.12	0 0057
HEXANE PLUS	0.347	0.1548	18 35	0.0115
TOTAL	100.000	4.4142	1,200.32	0.6944

0.6966

COMPRESSIBLITY FACTOR 1.0030 (1/Z)1,204.3 BTU/CU FT (DRY) CORRECTED FOR (1/Z) BTU/CU.FT (WET) CORRECTED FOR (1/Z) 1,184.2 GPM, BTU, and SPG calculations as shown above are based on current GPA factors.

ANALYSIS RUN AT

REAL SPECIFIC GRAVITY

14,730 PSIA & 60 DEGREES F

DRY BTU @ 14.650 1,1977 DRY BTU @ 14.696 1,201.5 DRY BTU @ 14.730 1,204 3 DRY BTU @ 15.025 1,228.4

CYLINDER # CYLINDER PRESSURE DATE RUN **ANALYSIS RUN BY**

61070000 251 **PSIG** 01/30/2008 **ROSEANN MUNIZ**

^{14.730} PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY * @

^{** @} 14.730 PSIA & 60 DEG. F.

CONOCO PHILLIPS COMPANY WELL ANALYSIS COMPARISON

.

SP.GRAV

0.6966

LEASE :	SAN JUAN 27-5	#169M	CASING	2/8/2008	
STN.NO.:	83655		MV/DK	52100 -	20670
MTR.NO. :	A02303642				
SMPL DATE	01/28/2008				
TEST DATE	01/30/2008			`	
RUN NR.	BU280213			,	
NITROGEN	0.399				
CO2	0 967				
METHANE	83.033				
ETHANE	8.657				
PROPANE	4.261				
I-BUTANE	0 735				
N-BUTANE	1.049				
I-PENTANE	0.325				
N-PENTANE	0.227				
HEXANE +	0.347				
вти	1,204.3				
GPM	4.4142				



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

ANALYSIS NO.

BU280213

CUST. NO.

52100 - 20670

WELL/LEASE INFORMATION

CUSTOMER NAME

CONOCO PHILLIPS COMPANY SAN JUAN 27-5 #169M

WELL NAME COUNTY/ STATE

RIO ARRIBA

NM

SOURCE

CASING

PRESSURE SAMPLE TEMP

PSI G 237 DEG.F N/A

WELL FLOWING

Υ

DATE SAMPLED

01/28/2008

SAMPLED BY

WAYNE PEACE

FORMATION CUST.STN.NO.

LOCATION

FIELD

MV/DK 83655

A02303642

FOREMAN/ENGR.

REMARKS

LEASE: SF-079394

		ANALYSIS		
COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.399	0.0000	0.00	0.0039
CO2	0.967	0.0000	0.00	0.0147
METHANE	83.033	0.0000	840.54	0.4600
ETHANE	8.657	2.3139	153.56	0.0899
PROPANE	4.261	1.1732	107.46	0 0649
I-BUTANE	0.735	0.2404	23.96	0.0148
N-BUTANE	1.049	0.3307	34.30	0.0211
I-PENTANE	0.325	0.1189	13.03	0.0081
N-PENTANE	0.227	0.0822	9.12	0.0057
HEXANE PLUS	0 347	0.1548	18.35	0.0115
TOTAL	100.000	4.4142	1,200.32	0.6944

* @	14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY
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** @ 14,730 PSIA & 60 DEG. F	** @	14 730	PSIA &	60	DEG.	F.
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COMPRESSIBLITY FACTOR	(1/Z)	1.0030
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	1,204.3
BTU/CU.FT (WET) CORRECTED FOR	(1/Z)	1,184.2
REAL SPECIFIC GRAVITY		0.6966

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	1,197.7	CYLINDER#	61070000
DRY BTU @ 14.696	1,201.5	CYLINDER # CYLINDER PRESSURE	251 PSIG
DRY BTU @ 14.730	1,204.3	DATE RUN	01/30/2008
DRY BTU @ 15 025	1,228.4	ANALYSIS RUN BY	ROSEANN MUNIZ

CONOCO PHILLIPS COMPANY WELL ANALYSIS COMPARISON

LEASE: SAN JUAN 27-5 #169M CASING 2/8/2008

STN.NO.: 83655 MV/DK 52100 - 2067C

MTR.NO.: A02303642

SMPL DATE 01/28

SMPL DATE TEST DATE RUN NR.	01/28/2008 01/30/2008 BU280213
NITROGEN	0.399
CO2	0.967
METHANE	83.033
ETHANE	8.657
PROPANE	4.261
I-BUTANE	0.735
N-BUTANE	1.049
I-PENTANE	0.325
N-PENTANE	0.227
HEXANE +	0.347
вт∪	1,204.3
GPM	4.4142
SP.GRAV.	0.6966



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

ANALYSIS NO.

BU280214

CUST. NO.

GPM, BTU, and SPG calculations as shown

above are based on current GPA factors.

52100 - 20675

WELL/LEASE INFORMATION

MM

CUSTOMER NAME

CONOCO PHILLIPS COMPANY

SOURCE

INTERMEDIATE

WELL NAME COUNTY/ STATE SAN JUAN 27-5 #169M

PRESSURE

237 PSI G

RIO ARRIBA

SAMPLE TEMP

DEG.F N/A

LOCATION FIELD

WELL FLOWING DATE SAMPLED Υ 01/28/2008

FORMATION

MV/DK

SAMPLED BY

WAYNE PEACE

CUST.STN.NO.

83655 A02303642

FOREMAN/ENGR.

REMARKS

LEASE: SF-079394

		ANALYSIS		
COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.381	0.0000	0.00	0.0037
CO2	0.939	0.0000	0.00	0.0143
METHANE	79.973	0.0000	809.57	0.4430
ETHANE	8.562	2.2885	151.87	0.0889
PROPANE	4.660	1.2831	117.53	0.0710
I-BUTANE	0.951	0.3111	31.00	0 0191
N-BUTANE	1.472	0.4640	48.13	0.0295
I-PENTANE	0.674	0 2466	27.03	0.0168
N-PENTANE	0.555	0.2010	22.30	0.0138
HEXANE PLUS	1.833	0 8178	96.94	0.0607
TOTAL	100.000	5.6122	1,304.37	0.7608

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) 1.309.7 BTU/CU.FT (WET) CORRECTED FOR (1/Z) 1,287.8

REAL SPECIFIC GRAVITY 0.7636

ANALYSIS RUN AT

14 730 PSIA & 60 DEGREES F

DRY BTU @ 14.650 1,3026 CYLINDER# 42200000 DRY BTU @ 14.696 1,306.7 CYLINDER PRESSURE **PSIG** 268 DRY BTU @ 14.730 1,309.7 DATE RUN 01/30/2008 DRY BTU @ 15.025 1,335.9 ANALYSIS RUN BY **ROSEANN MUNIZ**

CONOCO PHILLIPS COMPANY WELL ANALYSIS COMPARISON

LEASE: SAN JUAN 27-5 #169M INTERMEDIATE 2/8/2008

STN.NO.: 83655 MV/DK 52100 - 20675

MTR.NO.: A02303642

SMPL DATE	01/28/2008	
TEST DATE	01/30/2008	
RUN NR.	BU280214	
NITROGEN	0.381	
CO2	0.939	
METHANE		
	79.973	
ETHANE	8.562	
PROPANE	4 660	
I-BUTANE	0.951	
N-BUTANE	1.472	
I-PENTANE	0.674	
N-PENTANE	0.555	
HEXANE +	1.833	
BTU	1,309.7	
GPM	,	
Grivi	5.6122	
SP.GRAV.	0.7636	