

State of New Mexico
Energy, Minerals and Natural ResourcesOIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO.

30-039-20868

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

E-290-38

7. Lease Name or Unit Agreement Name

San Juan 27-5 Unit

8. Well Number

#189

9. OGRID Number

14538

10. Pool name or Wildcat

Basin DK

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. 30th Street, Farmington, NM 87402

4. Well Location

Unit Letter B : 1000 feet from the North line and 1740 feet from the East lineSection 32 Township 27N Range 5W NMPM County Rio Arriba

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

6526 GL

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:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐TEMPORARILY ABANDON ☐ CHANGE PLANS ☐PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐OTHER: ☒ Non Repair INT Casing

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐COMMENCE DRILLING OPNS. ☐ P AND A ☐CASING/CEMENT JOB ☐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.

*Denied, File Intent for repair;
WORK TO be completed by AUG 1, 2008*

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 Philana Thompson TITLE Regulatory Tech DATE 4/14/08Type or print name Philana ThompsonE-mail address: thomppp@conocophillips.comTelephone No. 505-326-9530

For State Use Only

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

Conditions of Approval (if any):

8

B

San Juan San Juan 27-5 Unit #189
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: Dakota

TD: 7,685'

PBTD: 7.675

Surface Casing: 9-5/8" 32.3 #/ft H-40 set at 210' with cement circulated to surface.

Intermediate Casing: 7" 20.0 #/ft K-55 set at 3,424' with a TOC @ 2,350' (by TS)

Production Casing: 4-1/2" 10.50 #/ft K-55 set at 7,684' with a TOC @ 2,525' (by TS)

Perforations: 7,440'-7,632' (DK)

Formation Tops:

Mesa Verde	4,866
Point Lookout:	5,392
Gallup	6,606
Greenhorn	7,324
Graneros	7,382
Dakota:	7,534

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

3-25-08



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

ANALYSIS NO. BU280397
CUST. NO. 52100 - 20820

WELL/LEASE INFORMATION

CUSTOMER NAME	CONOCO PHILLIPS COMPANY	SOURCE	CASING
WELL NAME	SJ 27-5 #189	PRESSURE	900 PSI G
COUNTY/ STATE		SAMPLE TEMP	N/A DEG.F
LOCATION		WELL FLOWING	N
FIELD		DATE SAMPLED	03/20/2008
FORMATION		SAMPLED BY	WAYNE
CUST.STN.NO.	86787016 A728810SM	FOREMAN/ENGR.	DOUGLAS MONTOYA

REMARKS E 29030. SAMPLE CONTAINED APPROX. 3/4 CUP OF WATER AND OIL.

ANALYSIS				
COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.401	0.0000	0.00	0.0039
CO2	0.493	0.0000	0.00	0.0075
METHANE	95.436	0.0000	966.10	0.5287
ETHANE	2.427	0.6487	43.05	0.0252
PROPANE	0.154	0.0424	3.88	0.0023
I-BUTANE	0.045	0.0147	1.47	0.0009
N-BUTANE	0.332	0.1047	10.86	0.0067
I-PENTANE	0.223	0.0816	8.94	0.0056
N-PENTANE	0.123	0.0445	4.94	0.0031
HEXANE PLUS	0.366	0.1633	19.36	0.0121
TOTAL	100.000	1.0999	1,058.60	0.5959

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z)	1.0020	GPM, BTU, and SPG calculations as shown above are based on current GPA factors.
BTU/CU.FT (DRY) CORRECTED FOR (1/Z)	1,061.0	
BTU/CU.FT (WET) CORRECTED FOR (1/Z)	1,043.4	
REAL SPECIFIC GRAVITY	0.5971	

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,055.3	CYLINDER #	40760000
DRY BTU @ 14.696	1,058.6	CYLINDER PRESSURE	473 PSIG
DRY BTU @ 14.730	1,061.0	DATE RUN	03/24/2008
DRY BTU @ 15.025	1,082.3	ANALYSIS RUN BY	TIFFANI MONTOYA

CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

LEASE : SJ 27-5 #189

CASING

3/25/2008

STN.NO.: 86787016

52100 - 20820

MTR.NO.: A728810SM

SMPL DATE 03/20/2008

TEST DATE 03/24/2008

RUN NR. BU280397

NITROGEN 0.401

CO2 0.493

METHANE 95.436

ETHANE 2.427

PROPANE 0.154

I-BUTANE 0.045

N-BUTANE 0.332

I-PENTANE 0.223

N-PENTANE 0.123

HEXANE + 0.366

BTU 1,061.0

GPM 1.0999

SP.GRAV. 0.5971



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

ANALYSIS NO. BU280398
CUST. NO. 52100 - 20825

WELL/LEASE INFORMATION

CUSTOMER NAME	CONOCO PHILLIPS COMPANY	SOURCE	INT CSG
WELL NAME	SJ 27-5 #189	PRESSURE	1351 PSI G
COUNTY/ STATE		SAMPLE TEMP	N/A DEG.F
LOCATION		WELL FLOWING	N
FIELD		DATE SAMPLED	03/20/2008
FORMATION		SAMPLED BY	WAYNE
CUST.STN.NO.	86787016 A728810SM	FOREMAN/ENGR.	DOUGLAS MONTOYA
REMARKS	E 29036		

COMPONENT	MOLE %	ANALYSIS		
		GPM**	B.T.U.*	SP.GR *
NITROGEN	0.260	0.0000	0.00	0.0025
CO2	0.702	0.0000	0.00	0.0107
METHANE	93.999	0.0000	951.55	0.5207
ETHANE	3.619	0.9673	64.19	0.0376
PROPANE	0.481	0.1324	12.13	0.0073
I-BUTANE	0.121	0.0396	3.94	0.0024
N-BUTANE	0.240	0.0757	7.85	0.0048
I-PENTANE	0.197	0.0721	7.90	0.0049
N-PENTANE	0.118	0.0427	4.74	0.0029
HEXANE PLUS	0.263	0.1173	13.91	0.0087
TOTAL	100.000	1.4472	1,066.21	0.6026

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z)	1.0020	GPM, BTU, and SPG calculations as shown above are based on current GPA factors.
BTU/CU.FT (DRY) CORRECTED FOR (1/Z)	1,068.8	
BTU/CU.FT (WET) CORRECTED FOR (1/Z)	1,051.1	
REAL SPECIFIC GRAVITY	0.6037	

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,063.0	CYLINDER #	61870000
DRY BTU @ 14.696	1,066.3	CYLINDER PRESSURE	136 PSIG
DRY BTU @ 14.730	1,068.8	DATE RUN	03/24/2008
DRY BTU @ 15.025	1,090.2	ANALYSIS RUN BY	DERECK RHODEN

CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

LEASE :	SJ 27-5 #189	INT CSG	3/25/2008	
STN.NO.:	86787016		52100 -	20825
MTR.NO.:	A728810SM			

SMPL DATE	03/20/2008
TEST DATE	03/24/2008
RUN NR.	BU280398
NITROGEN	0.260
CO2	0.702
METHANE	93.999
ETHANE	3.619
PROPANE	0.481
I-BUTANE	0.121
N-BUTANE	0.240
I-PENTANE	0.197
N-PENTANE	0.118
HEXANE +	0.263
BTU	1,068.8
GPM	1.4472
SP.GRAV.	0.6037

**NEW MEXICO ENERGY, MINERALS
and NATURAL RESOURCES
DEPARTMENT**

BRADENHEAD TEST REPORT

Date of Test 9/18/2007 Operator BR API 30039208680000
 Property Name SAN JUAN 27-5 UNIT Well No. 189 Unit B Section 32
 Well Status Flowing Township 027N Range 005W
 Tubing 1167 Intermediate 1142 Casing 1156 Bradenhead 0

TIME (minutes)	Bradenhead PSIs		
	BHD	INT	CSG
5	0	1142	1156
10	0	1142	1156
15	0	1142	1156
20			
25			
30			

TIME (minutes)	Intermediate PSIs	
	INT	CSG
5	20	1110
10	1.5	1153
15	1	1154
20	1	1154
25	1	1154
30	0.8	1154

5 Minute Shut-In Bradenhead 0 Intermediate 8

Flow Characteristics	BHD	INT
Steady Flow	<input type="checkbox"/>	<input type="checkbox"/>
Surges	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Down to Nothing	<input type="checkbox"/>	<input type="checkbox"/>
Nothing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gas	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Gas and Water	<input type="checkbox"/>	<input type="checkbox"/>
Water	<input type="checkbox"/>	<input type="checkbox"/>

Water Flow	BHD	INT
Clear	<input type="checkbox"/>	<input type="checkbox"/>
Fresh	<input type="checkbox"/>	<input type="checkbox"/>
Salty	<input type="checkbox"/>	<input type="checkbox"/>
Sulfur	<input type="checkbox"/>	<input type="checkbox"/>
Black	<input type="checkbox"/>	<input type="checkbox"/>
Muddy	<input type="checkbox"/>	<input type="checkbox"/>

Tested By Wayne Peace Witness _____

Remarks

Bradenhead had no pressure. Intermediate had 1142psi. I blew the inter mediate and the casing dropped 40lbs with in 1 minute. Did thirty minute test and I think we have fluid in the intermediate string cause it was surging. It did build much pressure. 2".