

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

RECEIVED

DEC 16 2008

Sundry Notices and Reports on Wells

Bureau of Land Management
Farmington Field Office1. Type of Well
GAS5. Lease Number
SF-0785966. If Indian, All. or
Tribe Name

7. Unit Agreement Name

2. Name of Operator

BURLINGTON
RESOURCES OIL & GAS COMPANY LP

3. Address & Phone No. of Operator

P.O. Box 4289, Farmington, NM 87499

8. Well Name & Number
Howell C #3

9. API Well No.

30-045-12139

4. Location of Well, Footage, Sec., T, R, M

Unit B (NWNE), 790' FNL & 1650' FEL, Section 7, T30N, R8W, NMPM

10. Field and Pool
Blanco Mesa Verde11. County and State
San Juan Co., NM**12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA**

Type of Submission

☒ Notice of Intent☐ Subsequent Report☐ Final Abandonment

Type of Action

☐ Abandonment☐ Recompletion☐ Plugging☐ Casing Repair☐ Altering Casing☐ Change of Plans☐ New Construction☐ Non-Routine Fracturing☐ Water Shut off☐ Conversion to Injection☒ Other - Request to Non-Repair BH

RCVD JAN 12 '09

OIL CONS. DIV.

DIST. 3

13. Describe Proposed or Completed Operations

Per notice from the OCD, reference: RBDMS KGR0828162524 remedial activity was to be initiated before January 9, 2009 for subject well regarding failed a bradenhead test. Burlington Resources requests for non-repair of the bradenhead based on the following findings.

Burlington Resources requested to re-test the bradenhead see NOI dated 12/5/08. The bradenhead valve has been unearthed and a second bradenhead test was performed on December 11 2008 with the NMOCD's representative Kelly Roberts in attendance as a witness. Gas samples from the intermediate and production casing strings were analyzed and show the gas to be the same on each string. The configuration of the wellhead lacks the ports necessary to perform a secondary seal test preventing the possibility of the gas mixing in the wellhead to be ruled out. The arrangement of the wellbore has roughly 1647 feet of overlapping cement between the intermediate and production strings, reducing the probability that the intermediate string is being charged by a formation or vice versa. From the second bradenhead test results, lack of secondary seal testing and overlapping cement, it is believed that the intermediate string is being charged within the wellbore or wellhead. Therefore, the gas in the intermediate string is contained within the wellbore preventing waste and protecting fresh water. Burlington Resources recommends that this bradenhead test be approved.

The second bradenhead test, gas analysis and wellbore diagram are presented in the following pages.

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

* Monitor the bradenhead at least Monthly.

Signed Tracey N. Monroe

Tracey N. Monroe

Title Staff Regulatory TechnicianDate 12/16/08

(This space for Federal or State Office use)

APPROVED BY [Signature]Title Petr. Eng.Date 1/8/09

CONDITION OF APPROVAL, if any:

NMOCD 16

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

OIL CONSERVATION DIVISION

1000 Rio Brazos Road
Aztec, New Mexico

BRADENHEAD TEST REPORT

(Submit 2 copies to above address)

Date of Test 7/14/2005 Operator Burlington Resources Oil & Gas

Lease Name HOWELL C Well No 3 Location: U B Sec. 07 Twp. 030N Rge. 008W

Pressure (Flowing) Dwt Tubing 101 Intermediate Casing 101 Bradenhead 72

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH.

TIME:	PRESSURES:		BRADENHEAD FLOWED:	INTERMEDIATE FLOWED:
	INTERMEDIATE	CASING		
5 Min.		101	Steady Flow	
10 Min.		101	Surges	
15 Min.		101	Down to Nothing <u>X</u>	
20 Min.			Nothing	
25 Min.			Gas <u>X</u>	
30 Min.			Gas & Water	
			Water	

If Bradenhead flowed water, check description below:

Clear _____
Fresh _____
Salty _____
Sulfur _____
Black _____

Remarks: _____
Ending: BH Press.: _____ Interm. Press. _____
blew down within 5 sec., blew for 15 mins.
nothing, closed for 5 mins.,
0# _____

By JEFF SANDOVAL 350
Lease Operator
Position _____

Witness _____

API No: 30045121390000

Well Name: HOWELL C 3

Foreman: 5 - Jim Peace

Route/MSO: 503 - Jason Simpson

Approved Date: 9/24/2008 5:19:00 PM

Rejected Date:

Submitted Date: 9/24/2008 6:06:00 PM

Approve

Reject

Test History

Delete

Test Date: 8/25/2008

Flow Status: Flowing

Initial	Tubing	100	Intermediate	
Pressures	Casing	101	Bradenhead	101

Testing Time (minutes)	Pressures				
	Bradenhead			Intermediate	
	BHD	INT	CSG	INT	CSG
5	6		101		
10	8		100		
15	11		100		
20	15		100		
25	15		100		
30	17		99		
5 Min SI	47				

Flow Desc	BH	INT
Steady Flow	☒	☐
Surges	☐	☐
Down to Nothing	☐	☐
Nothing	☐	☐
Gas	☐	☐
Gas & Water	☐	☐
Water	☐	☐

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

Remarks (255 char max)

Gas samples ordered and WH seal test

Test Entry Date: 9/24/2008 5:18:00 PM

Tested by: monrotrn

Witness:

Close

Bradenhead Re-Test

12/11/2008

Well Status: Flowing

NMOCD Witness: Kelly Roberts

Initial Shut in Pressures (psi): Tubing 83 Casing 95 Intermediate 95 Bradenhead 0

Bradenhead

Time:

Pressures (psi):

	Intermediate	Casing
5 Min.	95	95
10 Min	95	95
15 Min	95	95
20 Min		
25 Min		
30 Min		

Bradenhead 5 Min Shut In: 0

Notes: BH pressure was TSTM. When opened, the BH had a very light blow which ceased to nothing in 15 seconds through a 1 inch valve.

Intermediate

Time:

Pressures (psi):

	Casing
5 Min.	95
10 Min	95
15 Min	95
20 Min	
25 Min	
30 Min	

Intermediate 5 Min. Shut In: 19

Notes: Intermediate blew down to a slight blow in 30 seconds through a 1 inch valve.

Flow Characteristics	BH	INT
Steady Flow:		X
Surges:		
Down to Nothing:	X	
No Flow:		
Gas:		X
Water:		
Gas & Water:		



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

ANALYSIS NO. CP280831
CUST. NO. 16300 - 16465

WELL/LEASE INFORMATION

CUSTOMER NAME	CONOCO PHILLIPS COMPANY	SOURCE	INTER. CASING
WELL NAME	HOWELL C #3	PRESSURE	28 PSIG
COUNTY/ STATE	SAN JUAN NM	SAMPLE TEMP	N/A DEG.F
LOCATION	B07-30N-08W	WELL FLOWING	Y
FIELD		DATE SAMPLED	08/09/2008
FORMATION		SAMPLED BY	BOB DURBIN
CUST. & TN. NO.	A725691SM	FOREMAN/ENG'R	JIM PEACE

REMARKS NITROGEN% INCLUDES: HE= 0.0073% (73 PPM), H2= 0.0378% (378 PPM)

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR.*
NITROGEN	0.132	0.0000	0.00	0.0013
CO2	1.244	0.0000	0.00	0.0199
METHANE	97.770	0.0000	888.50	0.4852
ETHANE	5.452	1.7246	114.44	0.3570
PROPANE	2.490	0.6856	62.80	0.0379
I-BUTANE	0.458	0.1498	14.93	0.0392
N-BUTANE	0.516	0.1942	20.14	0.0124
I-PENTANE	0.234	0.0856	9.38	0.0358
N-PENTANE	0.167	0.0605	6.71	0.0342
HEXANE	0.277	0.1139	13.20	0.0392
HEPTANE	0.122	0.0563	6.73	0.0342
OCTANE	0.038	0.0195	2.38	0.0015
NONANE PLUS	0.000	0.0000	0.00	0.0000
TOTAL	100.000	2.0899	1,139.21	0.6568

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/2)	1.0030	GPM, BTU, and SPG calculations as shown
BTU/CU.FT (DRY) CORRECTED FOR (1/2)	1,142.5	above are based on current GPA factors.
BTU/CU.FT (WET) CORRECTED FOR (1/2)	1,123.5	
REAL SPECIFIC GRAVITY	0.6584	Method governed by GPA Standard 2286-95

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,138.3	CYLINDER #	D47
DRY BTU @ 14.696	1,139.0	CYLINDER PRESSURE	28 PSIG
DRY BTU @ 14.730	1,142.5	DATE RUN	08/15/2008
DRY BTU @ 15.025	1,165.4	ANALYSIS RUN BY	ROSEANN MUNIZ



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

ANALYSIS NO. CP280832
CUST. NO. 16300 - 16470

WELL/LEASE INFORMATION

CUSTOMER NAME	CONOCO PHILLIPS COMPANY	SOURCE	CASING
WELL NAME	HOWELL C #3	PRESSURE	85 PSIG
COUNTY/ STATE	SAN JUAN NM	SAMPLE TEMP	N/A DEG.F
LOCATION	B07-30N-06W	WELL FLOWING	Y
FIELD		DATE SAMPLED	02/09/2008
FORMATION		SAMPLED BY	BOB DURBIN
CUST. & TN. NO.	A725891SM	FOREMAN/ENGR.	JIM PEACE

REMARKS NITROGEN% INCLUDES: HE= 0.0073% (73 PPM), H2= 0.0065% (65 PPM)

COMPONENT	MOLE %	ANALYSIS		
		GPM**	B.T.U.*	SP.GR.*
NITROGEN	0.148	0.0000	0.00	0.0014
CO2	1.205	0.0000	0.00	0.0183
METHANE	97.545	0.0000	887.23	0.4955
ETHANE	5.519	1.7425	115.63	0.0677
PROPANE	2.532	0.6972	63.96	0.0386
I-BUTANE	0.468	0.1531	15.25	0.0094
N-BUTANE	0.630	0.1986	20.60	0.0126
I-PENTANE	0.246	0.0900	9.87	0.0061
N-PENTANE	0.173	0.0627	6.95	0.0043
HEXANE	0.285	0.1172	13.59	0.0085
HEPTANE	0.112	0.0517	6.18	0.0039
OCTANE	0.037	0.0189	2.32	0.0015
NONANE PLUS	0.000	0.0000	0.00	0.0000
TOTAL	100.000	3.1318	1,141.48	0.6578

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/2)	1.0030	GPM, BTU, and SPG calculations as shown
BTU/CU.FT (DRY) CORRECTED FOR (1/2)	1,144.8	above are based on current GPA factors.
BTU/CU.FT (WET) CORRECTED FOR (1/2)	1,125.7	
REAL SPECIFIC GRAVITY	0.6594	Method governed by GPA Standard 2286-95

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,138.0	CYLINDER #	D50
DRY BTU @ 14.696	1,142.1	CYLINDER PRESSURE	87 PSIG
DRY BTU @ 14.730	1,144.8	DATE RUN	08/15/2008
DRY BTU @ 15.025	1,167.7	ANALYSIS RUN BY	ROSEANN MUNIZ

Current Schematic

ConocoPhillips

Well Name: **HOWELL C #3**

API/UWI	Surface Legal Location	Field Name	License No	State/Province	Well Configuration Type	Edit
3004512139	NMPM, 007-030N-008W	BLANCO MESAVERDE (PRORAT #)		NEW MEXICO		
Ground Elevation (ft)	Original KB/RT Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)		
6,039.00	6,049.00	10.00	6,049.00	6,049.00		

Well Config: - Sidetrack 1 12/15/2008 1:58:55 PM

