

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

Form C-103  
Jun 19, 2008

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

WELL API NO. <b>30-045-06462</b>
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. E-1010-1
7. Lease Name or Unit Agreement Name <b>Skelly State Com</b>
8. Well Number #1
9. OGRID Number <b>14538</b>
10. Pool name or Wildcat <b>Basin Dakota</b>

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

P.O. Box 4289, Farmington, NM 87499-4289

4. Well Location

Unit Letter **P** : **1175** feet from the **South** line and **1035** feet from the **East** line  
Section **16** Township **27N** Range **9W** NMPM San Juan County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
6152' GL

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: Casing Repair ☒

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 Resources wishes to repair perform a casing repair on the subject well per the attached procedure.

Attached: wellbore schematic

RCVD DEC 22 '08  
OIL CONS. DIV.  
DIST. 3

Spud Date :

Rig Released Date:

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 Tracey N. Monroe TITLE Regulatory Specialist DATE 12/19/08

Type or print name Tracey N. Monroe E-mail address monrotn@conocophillips.com PHONE: 505-326-9752

**For State Use Only**

Deputy Oil & Gas Inspector,

APPROVED BY: Felix G. Roldan TITLE District #3 DATE JAN 05 2009

Conditions of Approval (if any):

by

**ConocoPhillips**  
**Skelly State Com 1 (DK)**  
**Casing Repair**

**Lat 36° 34' 15.99"N Long 107° 47' 17.56"W**

Prepared By: A. Bari  
Peer review/approved By:

Date: 12/02/2008

Date: / /

**Scope of work:** The intent of this procedure is to perform MIT (isolate a possible casing leak, cement squeeze if a casing leak is found), replace bad tubing joints, cleanout fill to PBTD, and place the well back on plunger lift system.

**WELL DATA:**

**API:** 300-450-6462-0000  
**Location:** 1175 FSL and 1035 FEL (Unit P), Section 16 – T 27N – R 9W  
**PBTD:** 6725'  
**Perforations:** 6514' – 6530', 6548' – 6552', 6582' – 6610' (Dakota)

<b>Casing:</b>	<b>OD</b>	<b>Wt., Grade</b>	<b>Connection</b>	<b>ID/Drift (in)</b>	<b>Depth</b>
	8-5/8"	24.0#, J-55	-	8.097/7.972	173'
	4-1/2"	10.5#, J-55	-	4.052/3.927	6798'
<b>Tubing:</b>	2-3/8"	4.70#, J-55	EUE	1.995/1.901	6591'
<b>F-Nipple:</b>	2-3/8"			1.78	6590'

**Well History:**

The Skelly State Com 1 was drilled and completed as a Dakota well in 1964. In October 2008, a workover rig replaced plugged tubing joints, ran casing inspection log (indicated tight casing spots around 418' and 1260'), unable to pass RBP thru 418', set CIBP using wireline, performed MIT on the casing (casing tested good upto 535 psig), replaced the entire tubing string with yellow band tubing, and installed a plunger lift system. In November 2008, the swabbing unit pulled an average of 65 BWPD for five days and the fluid level kept rising to 500' from surface. The well is currently producing 0 MCFD. However, this well is capable of producing an average of 45 MCFD, 0.25 BPD condensate and 1.00 BWPD with a plunger lift system.

**B2 Adapters are required on all wells other than pumping wells.**

**Artificial lift on well (type):** Plunger lift system currently installed

**Est. Reservoir Pressure (psig):** ~ 950 psig (DK)

**Well Failure Date:** December 2007

**Current Rate (Mcf/d):** 0 MCFD **Est. Rate Post Remedial (Mcf/d):** 45 MCFD

**Earthen Pit Required:** NO

**Special Requirements:** PU packer, drill bit for 4-1/2" casing. Schedule Blue Jet or Weatherford wireline to set a CIBP at 6470'.

**Production Engineer:** A. Bari Office: (505) 324-5103 Cell: (505) 947-1822

**Backup Production Engr:** Jesse Hawkins Office: (505) 324-5177 Cell: (505) 270-6312

**Area Foreman:** Steve Stamets Cell: (505) 324-5124

**Specialist:** Bobby Heinen Cell: (505) 320-2615

**MSO:** Jason Lusk Cell: (505) 608-1879

**ConocoPhillips**  
**Skelly State Com 1 (DK)**  
**Casing Repair**

**Lat 36° 34' 15.99"N Long 107° 47' 17.56"W**

**PROCEDURE:**

1. Hold safety meeting. Comply with all NMOCD, BLM and ConocoPhillips safety and environmental regulations. No need to test rig anchors prior to moving in rig, since the last rig operation on this well was in October 2008.
2. MIRU. Check tubing, casing, and bradenhead pressures and record them in Wellview.
3. RU blow lines from casing valves and begin blowing down casing pressure. Kill the well with SRB treated 2% KCl if necessary. ND wellhead NU BOP.
4. PU and remove tubing hanger and tag for fill, adding additional joints as needed. PBTD is at 6725'. Record the fill depth in Wellview.

5. TOO H with tubing as follows:

- 1- 2-3/8" 4.7# J-55 Tubing joint
- 1- 2-3/8" x 2' pup joint
- 209- 2-3/8" 4.7# J-55 Tubing joints
- 1- 2-3/8" x 2' Pup Joint
- 1- 2-3/8" 4.7# J-55 Tubing joint
- 1- 2-3/8" OD (1.78" ID) F-Nipple
- 1- 2-3/8" Muleshoe

Visually inspect the condition of the tubing and record findings in Wellview. While TOO H with the tubing, if scale, paraffin, or corrosion is found, notify Production Engineer.

6. There are tight casing spots (casing ID = 3.8") around 418' found by workover rig in October 2008. The rig was unable to pass RBP around tight spots. Therefore, set a CIBP @ 6470' using wireline. Load the well with 2% KCl water, perform MIT. TIH with packer, set the packer around 4500' and PT the CIBP, then, PT the casing to 500 psig. If a casing leak is found, immediately notify Rig Superintendent and Production Engineer, and isolate the casing leak within 100'. If no casing leak is found, notify Rig Superintendent and Production Engineer and further instructions.
7. TIH with 2-3/8" 4.70# J-55 tubing and cleanout fill to PBTD (6725') using Air package. If scale is on the tubing, spot acid. Contact Rig Superintendent and Engineer for acid volume, concentration, and tubing volume. Land the tubing as follows. The recommended tubing landing depth is 6592' and F-Nipple is 6591'.

- 1- Muleshoe - Expendable check
- 1- 2-3/8" OD (1.78" ID) F - Nipple
- 1- 2-3/8" 4.70# J-55 EUE tubing joint
- 1- 2-3/8" x 2' pup joint
- ~209- 2-3/8" 4.70# J-55 EUE tubing joints
- \*Use Pup Joints as necessary to achieve proper landing depth
- 1- 2-3/8" 4.70# J-55 EUE Tubing Joint

8. Land tubing at 6592' (+/- 4'), run standing valve on shear tool, load the tubing with 2% KCl water, and PT to 1000 psig to ensure no holes in the tubing. Bleed off pressure, retrieve standing valve, and unload the well. ND BOPE, NU wellhead, and blow out expendable check. Blow the well dry using Air Package. Notify the MSO (Jason Lusk) that well is ready to be turned over to production. Make a swab run, if necessary, to kick off the well. RDMO.

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## **DRIFT TEST PROCEDURE**

**SAFETY NOTE:** To conform to COP well control manual, Sec 6.1, a barrier is required prior to performing below procedure. Where air units are being used, an expendable check is recommended; otherwise, a wireline set plug in profile nipple is recommended.

1. Set flow control in tubing. With air, on location, use expendable check. With no air on location, use wireline plug.
2. RU drift tool to a minimum 70' line. Drift tool will have an OD of at least the API drift specification of the tubing. (2.375" OD 4.70# EUE Tubing Drift ID = 1.90"), and will be at least 15" long. The tool will not weigh more than 10 lbs. and will have an ID bore the length of the tool, so fluids may be pumped through the tool if it becomes stuck.
3. Drop the tool into the tubing string and retrieve it after every 2 joints of tubing ran in hole. If any resistance to the tool movement is noticed, going in or out, that joint will be replaced.
4. In order to simulate the plunger lift operation, all equipment must be kept clean and free of debris.

The drift tool should be measured with calipers before each job, to ensure the OD is the correct size for the tubing being checked. The maximum allowable wear of the tool is .003"

# Current Schematic - Revised

ConocoPhillips

Well Name: SKELLY STATE COM #1

API/UNR	Surface Legal Location	Field Name	License No	State/Province	Well Configuration Type	Edit
3004506462	NMPM 016-027N-009W	BASIN AND RANGE (A) (PROPOSED GAS)		NEW MEXICO		
Ground Elevation (ft)	Original KB/RT Elevation (ft)	KB-Grout Distance (ft)	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)		
6,152.00	6,164.00	12.00				

Well Config - SKELLY STATE COM #1, 12/3/2008 3:02 19 PM

