

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

**RECEIVED**

SEP 15 2009

## Sundry Notices and Reports on Wells

Bureau of Land Management  
Farmington Field Office1. Type of Well  
GAS5. Lease Number  
NMSF - 0788136. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

2. Name of Operator

**BURLINGTON**

RESOURCES OIL &amp; GAS COMPANY LP

3. Address &amp; Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

8. Well Name & Number  
Cooper B 1E

9. API Well No.

30-045-24212

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

10. Field and Pool

Surf: Unit P (SESE), 1015' FSL &amp; 850' FEL, Section 7, T29N, R11W, NMPM

Otero Chacra/Basin Dakota

11. County and State  
San Juan Co., NM

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

Type of Submission	Type of Action	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection

Other - MIT/P/B Water  
Producing Zone

RCVD SEP 18 '09

OIL CONS. DIV.

DIST. 3

## 13. Describe Proposed or Completed Operations

Burlington Resources wishes to P/B the Chacra water producing zone with CIBP &amp; C/O wellbore. Return to production.

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

Signed Jamie Goodwin Jamie Goodwin Title Regulatory Technician Date 9/14/09

(This space for Federal or State Office use)

APPROVED BY Original Signed: Stephen Mason Title \_\_\_\_\_ Date SEP 17 2009

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**

**ConocoPhillips**  
**COOPER B 1E**  
**Water-Shut-off**

Lat 36° 44' 8.7" N

Long 108° 1' 33.996" W

**PROCEDURE**

1. Hold pre-job safety meeting. Comply with all NMOCD, BLM, and COPC safety and environmental regulations. Test rig anchors prior to moving in rig.
2. MIRU work over rig. Check casing, tubing, and bradenhead pressures and record them in Wellview.
3. RU blow lines from casing valves and begin blowing down casing pressure. Kill well with 2% KCl, if necessary.
4. ND wellhead and NU BOPE. PU and remove tubing hanger and tag for fill, adding additional joints as needed (tubing currently landed @ 6501, PBTD @ 6578) . Record fill depth in Wellview.

5. TOOH with tubing (details below)

Number	Description
208	2-3/8" Tubing joints
1	2-3/8" S nipple (ID 1.78")
1	2-3/8" Tubing joint
1	2-3/8" Exp check

Visually inspect tubing and record findings in Wellview. Make note of corrosion or scale. LD and replace any bad joints.

6. TIH with watermelon mill to PBTD. TOOH and laydown bit.

7. TIH w/ RBP for 5 1/2" 15.50 lb/ft and set @ 2576'. PT the casing to 500 psi for 30 min.

8. If the casing fails, TIH with packer and set it 10' above and test the RBP. If there is no leak in the RBP, isolate the casing leak and report to the engineer immediately for further instructions.

9. If the PT passes, retrieve the RBP and set @ 3088'.

10. Blowout the water w/air package and flow test the well with a 1/2" positive choke for at least 5 hours or more if necessary to insure the water production has been stabilized. Report the gas and water production to the engineer to decide whether to make another water production test for the other zones or plug the Chacra.

11. Once the water zone has been isolated; TIH with tubing using Tubing Drift Procedure. (detail below).

**Recommended**

Tubing Drift ID:	1.901"
Land Tubing At:	6501
Land F-Nipple At:	6467

Number	Description
1	2-3/8" Exp check
1	2-3/8" tubing joint
1	2-3/8" F nipple (ID 1.78")
208	2-3/8" Tubing joints
As Necessary	Pup Joints

12. Run standing valve on shear tool, load and pressure test tubing to 1000 psig. Pull standing valve.

13. ND BOP, NU wellhead, blow out expendable check. Make swab run if necessary to kick off well. Notify Lease operator to return to well production. RDMO.

## **Tubing Drift Check**

### **Procedure**

1. Set flow control in tubing. With air, on location, use expendable check. With no air on location, use wire line plug.
2. RU drift tool to a minimum 70' line. Drift tool will have an OD of at least the API drift specification of 1.901" for the 2 3/8", 4.7# tubing, and will be at least 15" long. The tool will not weigh more than 10# 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 run in hole. If any resistance to the tool movement is noticed, going in or out, that joint will be replaced.
4. In order to stimulate 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".

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Here is the summary of the Fluid Level Analysis on the Cooper B 1E performed on 08-25-09:

#### **Tubing Shot:**

Field Analysis-Our Fluid Level 227'

Seat nipple is 6468'  
Total Gaseous Liquid Column 6241'  
Gas Free Liquid is 6241' above Seat Nipple  
Tubing Pressure 49.1 psia

#### **Casing Shot:**

Seat nipple is 6468'  
Total Gaseous Liquid Column 6254'  
Gas Free Liquid is 6254' above Seat Nipple  
Casing Pressure 18.8 psia

#### **Well Status:**

Casing---Closed

Tubing---Open

Compression----None

Artificial Lift---Plunger Lift

If you have any questions please feel free to give me a call.

Thanks, Kevin

Office 599-4057

Cell 1-970-769-7755

## Current Schematic

ConocoPhillips

Well Name: COOPER B #1E

API/UGL	State Legal Location	Field Name	License No.	State/Province	Well Configuration Type	Edit
3004524212	007-029N-011W-P	BSW D&P RO GAS	00033	NEW MEXICO		
Ground Elevation (ft)	Original KB/RT Elevation (ft)	KB-Grnd Distance (ft)	KB-Casing/Faige Distance (ft)	KB-Tubing Hanger Distance (ft)		
5,733.00	5,747.00	14.00	5,747.00	5,747.00		

Well Config: 30045242120000, 8/14/2009, 3:16:51 PM

ftKB (MD)	Schematic - Actual	Frm Final
0	Surface Casing Cement, 14-240, 3/16/1981, Cemented w/ 175 sx Class B cement. Cement circulated to surface.	
14	Surface, 8 5/8in, 8.097in, 14 ftKB, 240 ftKB	
239	Cement Squeeze, 14-1,000, 5/8/1996;	
240	Cemented squeeze holes @ 1000' w/ 450 sx Class B neat cement. Circulated 10 bbls cement to surface.	
245	Squeeze Hole, 1,000, 5/7/1996	
728	Production Casing Cement, 1,130-2,062, 3/26/1981, Cemented 3rd stage w/ 180 sx Class B 50/50 poz followed by 50 sx Class B neat cement. TOC @ 1130' per CBL 5/7/1996.	OJO ALAMO, 728
1,000		
1,595	Cement Squeeze, 2,402-2,500, 12/10/2001, Cemented squeeze holes @ 2500' w/ 200 sx Class G neat cement. TOC @ 2402' per CBL 12/12/2001.	FRUITLAND, 1,595
1,898	Squeeze Hole, 2,500, 12/10/2001	
2,060	Cement Squeeze, 2,509, 12/6/2001, Cemented squeeze holes @ 2509' w/ 150 sx Class B neat cement. CBL shows no cement.	PICTURED CLIFFS, 1,898
2,062	Squeeze Hole, 2,509, 12/6/2001	
2,500	Hydraulic Fracture, 12/13/2001, Frac'd w/ 176,000# 20/40 AZ sand, 24,717 gals 20# linear gel w/ 75Q foam; 25,062 gals water, 346 gals 2% KCl 1,040,300 scf N2.	
2,509	Tubing, 2 3/8in, 4.70lbs/ft, J-55, 14 ftKB, 6,467 ftKB	CHACRA, 2,936
2,626		
2,936		CLIFF HOUSE, 3,496
3,038		
3,496		
4,251		
4,596	Production Casing Cement, 2,360-4,599, 3/26/1981, Cemented 2nd stage w/ 275 sx Class B 50/50 poz followed by 50 sx Class B neat cement. TOC @ 2360' per CBL 12/4/2001.	POINT LOOKOUT, 4,251
4,599		
5,515		GALLUP, 5,515
6,258		GREENHORN, 6,258
6,318	Seat Nipple, 2 3/8in, 4.70lbs/ft, J-55, 6,467 ftKB, 6,468 ftKB	
6,366	Hydraulic Fracture, 4/20/1981, Frac'd w/ 93,400 gals 30# gel, 81,400# 20/40 sand.	GRANEROS, 6,318
6,452	Tubing, 2 3/8in, 4.70lbs/ft, J-55, 6,468 ftKB, 6,501 ftKB	DAKOTA, 6,452
6,467		
6,468	Expendable Check, 2 3/8in, 4.70lbs/ft, J-55, 6,501 ftKB, 6,501 ftKB	
6,501		
6,501		
6,573		
6,578	PBTD, 6,578, New PBTD after 1996 workover.	
6,578		
6,599	PBTD, 6,599, Original	
6,599		
6,599		
6,600		
6,639		
6,640	TD, 6,640, 3/26/1981	
	Fill, 6,578-6,599	
	Production Casing Cement, 6,018-6,640, 3/26/1981, Cemented 1st stage w/ 165 sx Class B 50/50 poz followed by 50 sx Class B neat cement. TOC @ 6018' per CBL 12/5/2001.	
	Plugback, 6,599-6,640, 3/26/1981	
	Production, 5 1/2in, 4.950in, 14 ftKB, 6,640 ftKB	