

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

RECEIVED**DEC 14 2011**

Sundry Notices and Reports on Wells

1. **Type of Well**
GAS

2. **Name of Operator**
BURLINGTON
RESOURCES OIL & GAS COMPANY LP

3. **Address & Phone No. of Operator**

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

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

Unit B (NWNE), 800' FNL & 1730' FEL, Section 34, T30N, R12W, NMPM

5. **Farmington Field Office
Bureau of Land Management**

6. **Lease Number**
SF-077922
**If Indian, All. or
Tribe Name**

7. **Unit Agreement Name**

8. **Well Name & Number**
McGrath 4 SWD

9. **API Well No.**
30-045-25923

10. **Field and Pool**
Mesa Verde SWD

11. **County and State**
San Juan, 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 - Tubing Repair

RCVD DEC 21 '11

OIL CONS. DIV.

13. Describe Proposed or Completed Operations**DIST. 3**

Burlington Resources requests permission to perform a tubing repair on the subject well per the attached procedure and current wellbore schematic.

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

Signed Crystal Tafoya Crystal Tafoya

Title: Staff Regulatory Technician

Date 12/13/11

(This space for Federal or State Office use)

APPROVED BY Original Signed: Stephen Mason Title _____

Date DEC 20 2011

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

NMOC *A*

ConocoPhillips
MCGRATH 4 SWD
Expense - Repair Tubing

Lat 36° 46' 27.012" N

Long 108° 4' 54.912" W

PROCEDURE

Note: Prior to MOL, set a 2.25" blanking plug in the R nipple at 4212'. If plug cannot be set in this profile nipple, set in the F profile in the on/off tool @ 4195'. Slickline work to set test plugs was performed on Dec. 1, 2011. See report at the end of this procedure for details.

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. Move in and rig up work over rig. Check casing, tubing, and bradenhead pressures and record them in Wellview.
3. Rig up flow lines blow down tubing and casing pressures. (Normal shut in tubing pressure is ~1400 psig.)
4. ND wellhead and NU blow-out preventers.
5. Release tubing from the on/off tool and LD tubing hanger. Circulate packer fluid out of the hole with 2% KCl water. TOO, laying down 3-1/2" tubing and the on/off connector as follows:

Number	Description
1	3-1/2" 8.8 # Internally plastic coated tubing joints (32.96')
5	3-1/2" 8.8# Internally plastic coated tubing pup joints
125	3-1/2" 8.8# Internally plastic coated tubing joint
1	3-1/2" x 2-7/8" X Over
1	2-7/8" x 2.25"ID X Nipple
1	On/Off Sealing Connector

6. Record findings in Wellview of tubing condition. The inside of the tubing is expected to be coated with a paraffin-like substance. Deliver to Tuboscope for inspection and possible steam cleaning. Deliver On/Off tool to Baker for redressing.
7. PU 2-7/8" workstring and RIH with 4-3/4" bit with string mill. Cleanout the casing to the top of the On/Off tool @ 4195'. Circulate the hole with 2% KCl water until returns are clean. TOO, laying down workstring.
8. RU electric line company and run 40 arm caliper/MTT log from 4190' to surface. Contact production engineer with results.
9. RIH with redressed On/Off tool and 3-1/2" injection tubing as it was pulled from the well in Step #5. Pick up new tubing as required depending on the findings from the inspection at Tuboscope. Do not engage On/Off tool.
10. Circulate hole with packer fluid (2% KCl and Champion Packer Chemicals) into tubing/casing annulus. Engage on/off tool and land tubing. Pressure test the tubing to 2250 psig for 30 minutes.
11. Perform a mechanical integrity test on casing-tubing annulus, pressuring up to 500 psig for 30 min on a 1 hour chart recorder. Contact NMOCD/BLM to witness MIT.
12. ND blow-out preventers and NU wellhead. (Release rig after plug recovery in Step #13.)
13. Rig up slickline and fish the blanking plug that was set prior to MOL.
14. Notify SWD supervisor and production engineer when the well is ready to be returned to normal saltwater disposal injection.

Current Schematic

ConocoPhillips

Well Name: MCGRATH #4 SWD

API / UWI	Surface Legal Location	Field Name	License No.	State / Province	Well Configuration Type	Edit
3004525923	SEC 34 T30N R12W	SWD, MESAVERDE		NEW MEXICO		
Ground Elevation (ft)	Original KB/RT Elevation (ft)	KB-Grout Distance (ft)	KB-Casing / Plug Distance (ft)	KB-Tubing / Plug Distance (ft)		
5,749.00	5,761.00	12.00	5,761.00	5,761.00		

Well Config: Original Hole, 12/5/2011 1:02:47 PM

ftKB (MD)	ftKB (TVD)	Schematic - Actual	Frm/Final
0		IPC PIP X PIN, 3 1/2in, 8.81lbs/ft, J-55, 12 ftKB, 13 ftKB	
12		IPC TBG, 3 1/2in, 8.81lbs/ft, J-55, 13 ftKB, 45 ftKB	
12		IPC SUB, 3 1/2in, 8.81lbs/ft, J-55, 45 ftKB, 55 ftKB	
46		IPC SUB, 3 1/2in, 8.81lbs/ft, J-55, 55 ftKB, 63 ftKB	
55		IPC SUB, 3 1/2in, 8.81lbs/ft, J-55, 63 ftKB, 69 ftKB	
63		IPC SUB, 3 1/2in, 8.81lbs/ft, J-55, 69 ftKB, 73 ftKB	
69		IPC SUB, 3 1/2in, 8.81lbs/ft, J-55, 73 ftKB, 75 ftKB	
73			
75			
230			
231			
240			
410			
1,520			
1,885			
2,137			
2,139			
3,485			
3,595			
4,193			
4,194			
4,195			
4,197			
4,201			
4,212			
4,212			
4,213			
4,265			
4,272			
4,374			
4,653			
4,653			
4,655			
4,697			
4,698			
4,700			

Surface Casing Cement, 12-231, 9/4/1984, Cemented w/230 sxs Class B. Circ 5 bbls to surface.
Surface, 8 5/8in, 8.097in, 12 ftKB, 231 ftKB
Cement Squeeze, 378-600, 9/26/1984, Perf'd 2 squeeze holes @ 554', set pkr @ 345', squeezed w/100 sxs Class B.
9/27/1984 sqz cmt hole @ 540' w/100 sxs Class B, & 75 sxs Class B. 9/29/1984 CBL, 600' to 378' good bond.
Production Casing Cement, 550-2,139, 9/12/1984, 2nd Stage cmt w/310 sxs Class H 65/35 Poz, tailed w/50 sxs Class H. TOC @ 550' CBL 9/26/1984.
Cement Squeeze, 1,970-2,200, 9/26/1984, D/V tool leaking, set retainer @ 1867', squeezed w/100 sxs Class B. 9/29/1984 CBL good bond from 2200' to 1970'.

OJO ALAMO, 410

FRUITLAND, 1,520

PICTURED CLIFFS, 1,885

CLIFF HOUSE, 3,485

MENESEE, 3,595

POINT LOOKOUT, 4,265

Point Lookout, 4,272-4,374, 9/29/1984

PBTD, 4,653

Production Casing Cement, 3,565-4,698, 9/12/1984, 1st Stage cmt w/150 sxs Class B. TOC @ 3565' by CBL 9/26/1984.
Production 1, 5 1/2in, 4.950in, 12 ftKB, 4,698 ftKB

Display Cement Fill, 4,698-4,700, 9/12/1984

TD, 4,700, 9/5/1984