

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RCVD APR 11 '08

OIL CONS. DIV.

DIST. 3

Sundry Notices and Reports on Wells

RECEIVED

APR 09 2008

Bureau of Land Management  
Farmington Field Office1. Type of Well  
GAS

2. Name of Operator

*Burlington Resources Oil & Gas, LP*

3. Address &amp; Phone No. of Operator

3401 East 30<sup>th</sup> Street, Farmington, NM 87402 ; 505-326-9700

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

Unit E (SESE), 1830' FNL &amp; 1020' FWL, Sec. 8, T29N, R10W, NMPM

5. Lease Number  
SF-0781976. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number  
Nye Federal #1M

9. API Well No.

30-045-30798

10. Field and Pool  
Basin DK / Blanco MV11. 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

☒ Notice of Intent      ☐ Abandonment      ☐ Change of Plans  
☐ Subsequent Report      ☐ Plugging      ☐ Non-Routine Fracturing  
☐ Final Abandonment      ☐ Casing Repair      ☐ Water Shut off  
☐ Altering Casing      ☐ Conversion to Injection

☒ Other - TA lower DK perms

## 13. Describe Proposed or Completed Operations

Burlington Resources wishes to perform a mechanical integrity test (MIT) on the 4 1/2" production casing, identify the water producing source and eliminate it if possible by TA'ing with a CIBP. Run tubing, rods, and an insert pump in order to lift all the liquids from the MV interval and upper DK. The wellbore will then be cleaned out and returned to production

See the attached procedure we will be using to TA the lower DK perforations.

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

Signed *Patsy Clugston* Patsy Clugston Title Regulatory Specialist Date 4/8/2008

(This space for Federal or State Office use)

APPROVED BY Original Signed: Stephen Mason Title \_\_\_\_\_ Date APR 10 2008

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**  
**Nye Federal #1M (CH MV DK)**  
**MIT/Water Isolation, Squeeze off Water Zone/ Rod Pump Installation**

**Lat 36° 44.559 N Long 107° 54.775 W**

**PROCEDURE:**

**MIT AND WATER ZONE ISOLATION**

1. Hold pre-job safety meeting. Comply with all NMOCD, BLM, and COP safety and environmental regulations. Test rig anchors prior to moving in rig.
2. MIRU workover 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. Avoid putting water on the well if possible, however kill well with 2% KCl or produced water if necessary. ND wellhead and NU BOP's.
4. Unseat donut, remove hanger, and pull 2-3/8" tubing, Tag up for fill (PBTD @ 6,742' CIBP), add joint as necessary. TOO H with tubing (detail below). Tubing is currently landed @ 6,562'.

- 1) (210 jts) 2-3/8" 4.7# J-55 tubing
- 2) (1) 2-3/8" x 2' 4.7# J-55 pup joint
- 3) (1) 2-3/8" x 31.2' 4.7# J-55 tubing
- 4) (1) 2-3/8" x 1.9" ID Seat Nipple set @ 6,561'
- 5) (1) 2 3/8" Notched collar set @ 6,562'

Visually inspect tubing and record findings in Wellview. Make note of corrosion or scale. Please notify engineer of any unusual findings.

5. TIH and CO to PBTD @ 6,742', pick up tubing to 6,562' and blow well for 3 hours and monitor water production. Call Production Engineer or Rig Superintendent to send results and wait for instructions to continue. If water production is greater than 30 bbls/day be prepared to continue with the next step and if the water production is less than 30 bbl/day perform a MIT on the 4 1/2" casing, land tubing @ 6,562' with the same tubing string configuration with the only deference of a expendable check instead of the Notched collar and go to step **13**.
6. PU and TIH with a RBP and Packer for a 4-1/2" 10.5# casing on the 2-3/8" tubing. Set RBP within 50' of the Chacra top perms @ 3,092' and set a packer to test RBP to 500psi for 10 min.

**Note: Always set packer to test RBP to 500psi before starting a production test or MIT.**

7. Unset packer and test casing to 500psi for 30 min on a 2 hour chart. If test passes, continue as follows. If test fails, contact Rig Superintendent and BAE Production Engineer (be prepared for squeezing the hole(s)).

**Note: Contact Rig Superintendent and Production Engineer prior to perform any cement job.**

8. Retrieve RBP and reset @ ~4,000', unlatch tubing from RBP, test RBP to 500 psi for 10 min and PU tubing to ~3,300' (to test production of Chacra), and blow well for 3 hours and monitor water production. Before continuing call Production Engineer or Rig Superintendent for directions. If water production is greater than 15 bbls/day be prepared for a squeeze job.
9. Retrieve RBP, reset RBP @ ~4,365', unlatch tubing from RBP, test RBP to 500 psi for 10 min and Pick up tubing to ~4,100' (to test production of Menefee), and blow well for 3 hours and monitor water production. Before continuing call Production Engineer or Rig Superintendent for directions. If the **absolute value** of the water production (Chacra – Current value) is greater than 30 bbls/day be prepared for a squeeze job.

**Note: to obtain the absolute water production for each zone always subtract the above formations from the current water production value.**

10. Retrieve RBP, reset RBP @ ~5,000', unlatch tubing from RBP, test to 500 psi for 10 min and Pick up tubing to ~4,500' (to test production of Point Lookout), and blow well for 3 hours and monitor water production. Before continuing call Production Engineer or Rig Superintendent for directions. If the **absolute value** of the water production (Chacra + Menefee – Current rate) is greater than 30 bbls/day be prepared for a squeeze job.
11. Retrieve RBP set @ ~5,000', TOOH.

#### **CIBP SETTING DEPTH AND ROD PUMP INSTALLATION**

12. PU a CIBP and set @ 6,660' to Temporary abandon the lower DK intervals, TOOH.
13. TIH and land tubing @ 6,623', see details below from bottom to top. Run a drift test (see direction on next page) while TIH with tubing joints.
  - 1) (1) 2-3/8" Purge Valve
  - 2) (1) 2-3/8" x 10' tubing sub
  - 3) (1) 2-3/8" x 30' PGA-1 Gas Separator with top gas relief hole and slots cut 14' and 14'-5" down from the top collar
  - 4) (1) 2-3/8" x 2' tubing sub
  - 5) (1) 2-3/8" F nipple @ 6,580'
  - 6) (~209 jts) 2-3/8" 4.7# J-55 tubing

Always install a full joint at top to allow for stripping the landing donut in and out of the well safely

Note: Please place rod Rattigan below the pumping tee.

14. ND BOPE. NU sucker rod wellhead assembly.
15. RIH with the following pump and rod string and space out pump using pony rods as necessary, (pump surface stroke is 86").

#### Bottom to Top:

- 1) (1) 3/4" x 10' Dip tube
- 2) (1) 2" x 1 1/4"x12' x15' RHAC-Z COP insert pump grooved plunger w/ .005" total plunger to barrel clearance double standing valve, single traveling valve California pattern balls, w/ sand check (6' plunger)
- 3) (1) 1' X 1" Lift Sub
- 4) (1) 3/4" X 8' Guided Rod sub
- 5) (1) 18,000# Norris Shear Tool

- 6) (4) 1-1/4" Sinker Bars
- 7) (2) 3/4" x 8' Ponies rods
- 8) (236) - 3/4" sucker rods (class D type 54)
- 9) (~22) 7/8" sucker rods (class D type 54, with slim hole couplings), use 7/8 ponies as necessary to space out string.
- 10) (1) 1-1/2" x 22' spray metal Polished Rod

**Note:** the two 8' rod subs are being installed above the sinker bars so that during future remedial jobs they can be moved one at a time to the top of the string to spread the wear pattern between the rod couplings and the tubing.

- 16. Space out and seat insert rod pump. Load tubing and pressure test to 1500 psi. Bleed off pressure. Slowly stroke rods with rig to pressure pump test to 500 psi. Bleed off pressure. Find pump tag. Insert rod pump will be spaced out with 9-1/2' from GLE to the top of the polish rod with the pump pulled 12" up off of tag. Slack off of rod string, until rods stack out. Please do not clamp off rod string on the spray metal portion of the spray metal polish rod.
- 17. Verify well pumps up before moving out.
- 13. Contact MSO of finished project so that he can return well to production.