

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
NMLC068281B

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well

Oil Well  Gas Well  Other: INJECTION

8. Well Name and No.  
BUCK 17 FEDERAL SWD 1

2. Name of Operator  
CONOCOPHILLIPS COMPANY

Contact: RHONDA ROGERS  
E-Mail: rogers@conocophillips.com

9. API Well No.  
30-025-40482

3a. Address  
P. O. BOX 51810  
MIDLAND, TX 79710

3b. Phone No. (include area code)  
Ph: 432-688-9174  
Fx: 432-688-6019

10. Field and Pool, or Exploratory  
SWD; CHERRY CANYON

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 17 T26S R32E Mer NMP SENW 2284FNL 1950FWL

11. County or Parish, and State

LEA COUNTY, NM

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

ConocoPhillips would like to add perfs in the Cherry Canyon @ 5460' - 5932'. attached are the procedures

*SWD-1316-B (Revised)*

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

**Electronic Submission #202847 verified by the BLM Well Information System  
For CONOCOPHILLIPS COMPANY, sent to the Hobbs**

Name (Printed/Typed) RHONDA ROGERS

Title STAFF REGULATORY TECHNICIAN

Signature (Electronic Submission)

Date 03/27/2013

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By

*[Signature]*

Title *SEPS*

Date *4-5-13*

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office *CEO*

*[Signature]*  
Petroleum Engineer

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

APR 17 2013

**BUCK 17 FEDERAL #1 SWD  
(NM OCD ADMIN. ORDERS SWD-1316, 1316A & 1316B)  
ADD PERFORATIONS PROCEDURE**

**API#: 30-025-4048200**

**OBJECTIVE OF THIS WORK**

Additional perforations were added in the Wilder Federal #1 SWD well which significantly improved the water disposal capability of that well as opposed to the Buck Federal #1 SWD well. It is recommended that proposed perforations be added and stimulated. This work is being done in order to ensure that all current & proposed Buck Federal area producing wells remain active and are not shut-in and/or curtailed as a result of limited produced water disposal capability. Proposed plans call for adding to the primary perforating job in the Cherry Canyon Member of the Delaware Mountain Group and then return the well to salt water disposal status. The scope of this procedure consists of adding perforations, performing an acid stimulation, re-installing downhole injection assembly (internally coated tubing w/ a packer assembly), then placing the well back on disposal status.

**Current Well Category:** 1 This well is incapable of flowing at rates greater than 500 MCFD. The barrier requirements are: **one untested barrier**.

**BOPE Class:** 1 This well will require Class 1 BOPE or better since it is not capable of building up to 1000 psi. **Well Control Calculations and Considerations**

Volume of 7" casing (26#/ft): **0.0382 bbls/ft**

Volume between 7" casing (26#/ft) & 3½" (9.3#/ft - IC) tubing: **0.0264 bbls/ft**

Volume between 7" casing (26#/ft) & 3½" (9.3#/ft) workstring: **0.0264 bbls/ft**

Volume of 3½" (9.3#/ft) internally coated: **0.0087 bbls/ft**

Volume of 3½" (9.3#/ft) workstring: **0.0087 bbls/ft**

Location: 2,284' FNL & 1,940' FWL, Sec. 17, T-26S, R-32E, Lea County, New Mexico

RKB: 3189' GL: 3176'

Spud Date: 04/07/2012

## PROCEDURE

1. Rig up work-over rig and ancillary equipment.
2. Isolate wellbore from water injection line/header.
3. Confirm well is static. As necessary use weighted saltwater or flowback for well control.
4. ND injection well head and NU shop tested 5k dual BOPE (3 ½" pipe rams – top & Blind rams – bottom) or a single Hydraulic BOP ram (blinds) + 3K Hydril. Install as per ConocoPhillips Well Control Manual.
5. Release Mesquite AS-1X packer and POOH with down hole injection assembly.

**Note: Handle IPC tubing with care; install pin protectors on collars to protect internal coating**

6. RU-RIH w/ sand line bailer to confirm wellbore is open and clear (PBSD – 6221' RKB).

**Note: contact Jerry Reno (432-202-5957) for cleanout procedure if fill above 5932'**

7. POOH and lay down sand line bailer.

### **Cherry Canyon Perforations**

8. MI-RU *Apollo Perforators* e-line services with packoff. Correlate depth control to gamma ray on *Apollo Radial Cement Bond / Gamma Ray /CCL log dated 8/17/2012.*

9. Perforate using *Titan 3 1/8" expendable -3319-423T gun, (19 gram, .38" entrance hole, 45.89" penetration)* or equivalent loaded at 2 SPF on 60° phasing. Perforate the casing from the bottom up as follows:

#### **Cherry Canyon**

Formation	Perf Top	Perf Bottom	Interval	SPF	Total Shots
Cherry Canyon	5905	5932	27	2	54
Cherry Canyon	5733	5742	8	2	16
Cherry Canyon	5686	5700	14	2	28
Cherry Canyon	5410	5460	50	2	100
	99			198	