Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

5. Lease Serial No.
NMNM 03604

6. If Indian, Allottee or Tribe Name

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

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
MARRON WN FEDERAL COM 1

2. Name of Operator
CONOCOPHILLIPS CO.

Contact: DEBORAH MARBERRY
E-Mail: DEBORAH.MARBERRY@CONOCOPHILLIPS.COM

9. API Well No.
30-045-22518 045-22518

3a. Address
P O BOX 2197 WL3 6108
HOUSTON, TX 77252

3b. Phone No. (include area code)
Ph: 832-486-2326

10. Field and Pool, or Exploratory
BLANCO MESAVERDE

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 27 T27N R8W SESW 1010FSL 1490FWL

11. County or Parish, and State
SAN JUAN COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☒ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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 proposes to plug and abandon this well as per the attached procedure. Also attached is a current and proposed wellbore schematic.

RECEIVED JAN 2005 ON CONS. DIV. DIST. 3

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #52182 verified by the BLM Well Information System
For CONOCOPHILLIPS CO., sent to the Farmington

Name *(Printed/Typed)* DEBORAH MARBERRY — Title SUBMITTING CONTACT

Signature (Electronic Submission) — Date 12/22/2004

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____ Title _____ JAN 18 2005

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 _____

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 ****

NMOCD

PLUG AND ABANDONMENT PROCEDURE

December 21, 2004

Marron WN Federal Com #1

Blanco Mesaverde / Largo Chacra
1010' FSL & 1490' FWL, Section 27, T27N, R8W, San Juan County, New Mexico,
Lat: 36^ 32' 23.5" / Long: 107^ 40' 24.6" W / API 30-045-22518

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Type III, mixed at 14.8 ppg with a 1.32 cf/sx yield.

1. Install and test rig anchors. Prepare blow pit. Comply with all NMOCD, BLM and ConocoPhillips safety rules and regulations. Conduct safety meeting for all personnel on location. MOL and RU daylight pulling unit. NU relief line and blow well down; kill with water as necessary. ND wellhead and NU BOP and stripping head; test BOP.

2. TOH with 160 joints 2.375" tubing, 5020'. If necessary LD tubing and PU workstring.

1. **Plug #1 (Mesaverde perforations and top, 4874' – 4272'):** TIH and set 5.5" cement retainer at 4874'. Pressure test the tubing to 1000#. Attempt to load the casing with water, note the open Chacra perforations. Mix 66 sxs cement and set a balanced plug above retainer to isolate the Mesaverde perforations and cover the top. TOH with tubing.

2. **Plug #2 (Chacra perforations, 3686' – 3586'):** Set a 5.5" cement retainer or wireline CIBP at 3686'. TIH with tubing. Load casing with water and circulate the well clean. Pressure test casing to 800#. If casing does not test, then spot or tag subsequent plugs as appropriate. Mix 15 sxs cement and set a balanced plug above the CR to isolate the Chacra perforations. PUH to 2820'.

6. **Plug #3 (Pictured Cliffs and Fruitland tops, 2820' – 2480'):** Mix 40 sxs cement and spot balanced plug inside casing to cover the PC and Fruitland tops (if casing leaks, use 50 sxs cement). TOH.

7. **Plug #4 (Kirtland and Ojo Alamo tops, 2130' – 1870'):** Perforate 3 squeeze holes at 2130'. Attempt to establish rate into squeeze holes if the casing pressure tested. Set 5.5" cement retainer at 2080'. Establish rate into squeeze holes. Mix and pump 101 sxs cement, squeeze 69 sxs outside the casing and leave 32 sxs inside casing to cover the Ojo Alamo. TOH with tubing.

8. **Plug #5 (Nacimiento top, ~~600~~ 790' – Surface or to ~~500~~ 690'):** Perforate 3 squeeze holes at ~~600~~ 790'. Attempt to establish circulation to surface out the bradenhead with water. **If able to circulate** out the bradenhead and the casing tested before perforating, then mix and pump approximately 200 sxs cement down the 5.5" casing to circulate good cement out the bradenhead. **If unable to circulate** out the bradenhead or the casing did not test, then set 5.5" cement retainer at ~~550~~ 690'. Establish rate into squeeze holes. Mix and pump 42 sxs cement, squeeze 69 sxs outside the casing and leave 32 sxs inside casing to cover the Nacimiento top. TOH and LD tubing.

9. **Plug #6 (8-5/8" casing shoe, 290' - Surface):** If unable to circulate out the bradenhead in step 8, then perforate 3 HSC squeeze holes at 290'. Establish circulation out bradenhead. Mix and pump approximately 80 sxs cement down 5.5" casing and circulate good cement out bradenhead. WOC.

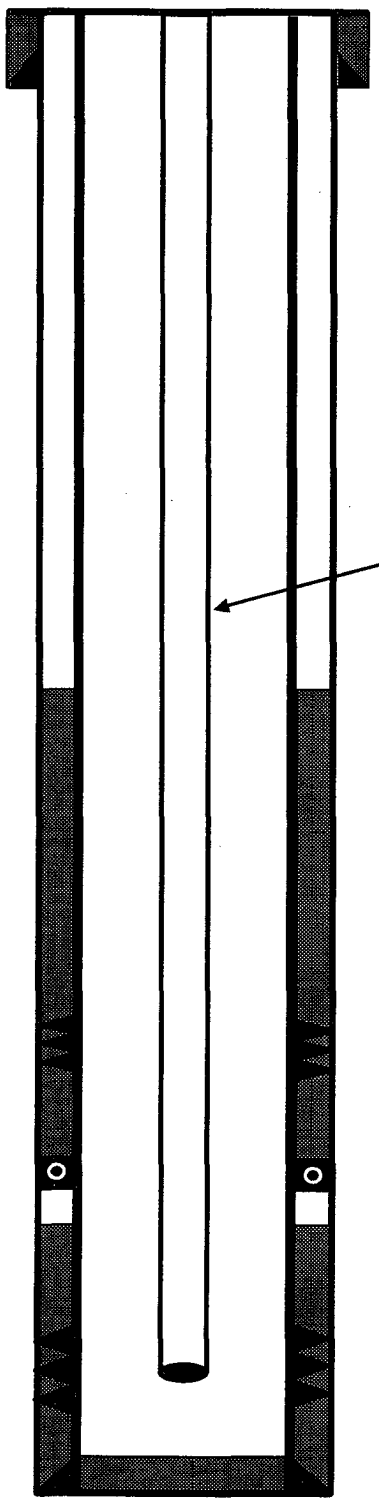
10. ND BOP and cut off wellhead below surface casing flange. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per BLM stipulations.

Marron WN Federal Com #1
Current
Blanco Mesaverde / Largo Chacra, API #30-045-22518

1010' FSL & 1490' FWL, Section 27, T-27-N, R-8-W
San Juan County, NM / Lat: 36^ 32' 23.5" N / Long: 107^ 40' 24.6" W

Today's Date: **12/21/04**
Spud: 6/30/77
Completed: 10/11/77
Elevation: 6728' GL
6741' KB

12-1/4" hole



8-5/8" 32#, Casing set @ 240'
Cement with 250 sxs (Circulated to Surface)

WELL HISTORY

Dec '98: Pull 1.5" tubing. Mill out Model "D" packer. Circulate well clean. Land 2-3/8" tubing at 5020'.

May '02: Lost slick line tools and wire line well; unable to recover.

Aug '03: Pull tubing after tagging fill at 5163'. Recovered slick line and tools. POH. Change out wellhead valves and land tubing at 5023'.

Nacimiento @ ~~550'~~ 740

Ojo Alamo @ 1920'

Kirtland @ 2080'

2-3/8" Tubing set at 5020'
(160 joints, EUE, SN at 5021')

TOC @ 2400' (CBL)

Fruitland @ 2530'

Pictured Cliffs @ 2770'

Chacra @ 3670'

Chacra Perforations:
3736' – 3747'

DV Tool @ 3968'
Cmt with 315 sxs

TOC @ 4350' (CBL)

Mesaverde @ 4322'

Mesaverde Perforations:
4924' – 5146'

5-1/2" 15.5#, K-55 Casing set @ 5243'
Cement with 150 sxs

7-7/8" hole

TD 5245'
PBTD 5197'

Marron WN Federal Com #1

Proposed P&A

Blanco Mesaverde / Largo Chacra, API #30-045-22518

1010' FSL & 1490' FWL, Section 27, T-27-N, R-8-W

San Juan County, NM / Lat: 36^ 32' 23.5" N / Long: 107^ 40' 24.6" W

290/7.483(1.32) = 29 SXS
50/5.7719(1.32) = 7 SXS
240/5.643(1.32) = 32 SXS
68 SXS

Today's Date: **12/21/04**
Spud: 6/30/77
Completed: 10/11/77
Elevation: 6728' GL
6741' KB

12-1/4" hole

8-5/8" 32#, Casing set @ 240'
Cement with 250 sxs (Circulated to Surface)

Nacimiento @ ~~550'~~ 740

Perforate @ 290'

Plug #6: 290' – Surface
Type III cement, 90 sxs

790 690

Cmt Ret @ 550'

Plug #5: ~~600'~~ – ~~500'
Type III cement, 42 sxs, 27 sxs outside and 15 sxs inside

Perforate @ 600'

150/7.483(1.32) = 15 SXS
200/5.7719(1.32) = 26 SXS

Ojo Alamo @ 1920'

Kirtland @ 2080'

Cmt Ret @ 2080'

Plug #4: 2130' – 1870'
Type III cement, 101 sxs, 69 sxs outside and 32 sxs inside

Perforate @ 2130'

(2130-1870+50)/7.483(1.32) = 31 SXS
(2130-1870)/2/5.7719(1.32) = 68 SXS

TOC @ 2400' (CBL)

Fruitland @ 2530' 22

Plug #3: 2820' – 2480'
Type III cement, 40 sxs

Pictured Cliffs @ 2770'

(2820-2480+50)/7.483(1.32) = 39 SXS

Plug #2: 3686' – 3586'
Type III cement, 15 sxs

Chacra @ 3670'

CR or CIBP @ 3686'

15(7.483)1.32 = 148'

Chacra Perforations:
3736' – 3747'

DV Tool @ 3968'
Cmt with 315 sxs

TOC @ 4350' (CBL)

Plug #1: 4874' – 4272'
Type III cement, 66 sxs

Mesaverde @ 4322'

Set Cmt Ret @ 4874'

(4874-4272+50)/7.483(1.32) = 66 SXS

Mesaverde Perforations:
4924' – 5146'

5-1/2" 15.5#, K-55 Casing set @ 5243'
Cement with 150 sxs

7-7/8" hole

TD 5245'
PBTD 5197'