

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAY 23 2008

FORM APPROVED
OMB No 1004-0137
Expires: March 31, 2007

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.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other2. Name of Operator
NOBLE ENERGY, INC.3a. Address
5802 US HIGHWAY 64 FARMINGTON, NM 874023b. Phone No. (include area code)
505-632-8056

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

1680' FNL, 1980' FEL
G Sec 02 - T25N - R10W

5. Lease Serial No.

14-20-603-1326

6. If Indian, Allottee or Tribe Name

NAVAJO ALLOTTEE #011161

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

SW-1-4209

8. Well Name and No.

NAVAJO 02 #23

9. API Well No.

30-045-34164

10. Field and Pool, or Exploratory Area

Basin Dakota

11. County or Parish, State

SAN JUAN CTY, NEW MEXICO

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 OF CEMENT PLANS
	☐ 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 recompleat 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 recompleat 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.)

NOBLE ENERGY, INC. REQUESTS CHANGES TO THE CEMENTING PLANS PER THE ATTACHED DOCUMENT.

RCVD MAY 28 '08

OIL CONS. DIV.
DIST. 3SEE ATTACHED FOR
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

BILLIE MAEZ

Title DISTRICT MANAGER

Signature

Date

05/21/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Troy L. SalyersTitle PEDate 5-27-2008

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 FFO

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.

(Instructions on page 2)

NMOCD

CEMENTING PROGRAMS: Navajo 2-15, 2-23, 11-7, 11-5, 11-15, 11-13 wells

9-5/8" Surface casing:

200 sx Type III cement with 3% CaCl_2 , 1/4#/sx cellofakes. 100% excess to circulate cement to surface. WOC 4 hrs. Pressure test surface casing to 1000 psi for 30 minutes.

Slurry weight: 15.2 ppg
Slurry yield: 1.28 ft³/sack

Volume basis:	40' of 9-5/8" shoe joint	17 cu ft
	300' of 12-1/4" x 9-5/8" annulus	100 cu ft
	100% excess (annulus)	100 cu ft
	<u>Total</u>	<u>217 cu ft</u>

Note:

1. Design top of cement is the surface.
2. Have available 100 sx Type III cement with 2% CaCl_2 for top out purposes.

4 1/2" Production casing:

Lead: ~670 sx of 50-50 POZ cement plus additives
Base Slurry Density: 13.0 ppg
Base Slurry yield: 1.41 ft³/sx
Foamed Slurry Density: 9.0 ppg with Nitrogen
Approx N₂ volume: 90000 scf
Top of cement: Surface

Tail

Lead: 220 sx of 50-50 POZ cement plus additives
Slurry weight: 13.0 ppg
Slurry yield: 1.44 ft³/sx
Top of cement: 300' above Gallup formation

Volume basis:	Lead:	
	300' of 4 1/2" casing x 9 5/8" casing	96 cu ft
	5350' of 4 1/2" x 7 7/8" hole	1,220 cu ft
	Tail:	
	900' of 4 1/2" x 7 7/8" hole	205 cu ft
	40' of 4 1/2" casing shoe jt	3 cu ft
	30% excess (annulus)	430 cu ft
	<u>Total</u>	<u>1954 cu ft</u>

Note:

- 1. Excess foamed cement will be returned to surface and diverted to reserve pit.**
- 2. Top of Tail cement will be 300' above Gallup formation based on open hole logs.**
- 3. Actual cement volumes to be based on caliper log plus 30%.**

DRILLING CONDITIONS OF APPROVAL

Operator: Noble Energy Inc.
Lease No.: 14-20-603-1326
Well Name: Navajo 02 #23
Well Location: Sec. 02, T25N, R10W; 1680' FNL & 1980' FEL

The following requirement(s) must be met before nipple-up operations of the Blow Out Preventor (BOP):

Wait on cement (WOC) time will be a minimum of 250 psi compressive strength at 60 degrees Fahrenheit. See general requirements attached to APD.

NMOCD minimum WOC time is 8 hours