

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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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 87402**3b. Phone No. (include area code)  
**505-632-8056**

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

**1700' FNL, 1600' FEL  
G Sec 11 - T25N - R10W**

5. Lease Serial No.

**14-20-603-1328**

6. If Indian, Allottee or Tribe Name

**NAVAJO ALLOTTEE #011157**7. If Unit or CA/Agreement, Name and/or No  
**SW-I-4223**8. Well Name and No  
**NAVAJO 11 #07**9. API Well No  
**30-045-34162**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			
<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 checked="" 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 <b>CHANGE OF CEMENT PLANS</b>
	<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 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. 3****SEE 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

*Billie Maez*

Date

**05/21/2008****THIS SPACE FOR FEDERAL OR STATE OFFICE USE**Approved by **Troy L. Salvers**Title **PE**Date **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%  $\text{CaCl}_2$ , 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 ft<sup>3</sup>/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
	<u>100% excess (annulus)</u>	<u>100 cu ft</u>
	Total	217 cu ft

**Note:**

1. Design top of cement is the surface.
2. Have available 100 sx Type III cement with 2%  $\text{CaCl}_2$  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 ft<sup>3</sup>/sx  
Foamed Slurry Density: 9.0 ppg with Nitrogen  
Approx N<sub>2</sub> 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 ft<sup>3</sup>/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
	<u>30% excess (annulus)</u>	<u>430 cu ft</u>
	Total	1954 cu ft

**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.:** 14-20-603-1328  
**Well Name:** Navajo 11 #7  
**Well Location:** Sec. 11, T25N, R10W; 1700' FNL & 1600' 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