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Form 3160-5
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Bureau of Land Management
Farmington Field Office

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 ☐ Other

2. Name of Operator
PATINA SAN JUAN, 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)
**805' FSL, 1031' FWL
M Sec 11 - T25N - R10W**

6. If Indian, Allottee or Tribe Name
NAVAJO ALLOTTEE #011154

7. If Unit or CA/Agreement, Name and/or No.
SW-I-4222

8. Well Name and No.
NAVAJO 11 #13

9. API Well No.
30-045-34165

10. Field and Pool, or Exploratory Area
Basin Dakota

11. County or Parish, State
SAN JUAN COUNTY, 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 type="checkbox"/> Well Integrity <input checked="" type="checkbox"/> Other EXTENSION OF PERMIT TO DRILL CHG DRILL PLANS
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Water Shut-Off	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Well Integrity	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<input type="checkbox"/> Water Shut-Off	
	<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. RESPECTFULLY REQUESTS AN EXTENSION TO THE APPROVED PERMIT TO DRILL

WHICH EXPIRES JUNE 14, 2008.

WE ALSO REQUEST CHANGES TO THE CEMENTING PLANS PER THE ATTACHED DOCUMENT.

Current NMOCD rules and regulations must be met at time of drilling

SEE ATTACHED FOR CONDITIONS OF APPROVAL

RCVD JUN 4 '08

APD will expire 6-14-2009

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

BILLIE MAEZ

Title **DISTRICT MANAGER**

**OIL CONS. DIV.
DIST. 3**

Signature

Billie Maez

Date

05/29/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by **Troy L. Salvors**

Title **PE**

Date **6-3-2008**

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

PIT, CLOSED LOOP SYSTEM, BELOW GRADE TANK, PROPOSED ALTERNATIVE METHOD OR CLOSURE PLAN TO BE DESIGNED, CONSTRUCTED & OPERATED PURSUANT TO NMOCD RULE 19.15.17 EFFECTIVE 06/16/08

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
	<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% 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
	<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.: 14-20-603-1297
Well Name: Navajo 11 #13
Well Location: Sec. 11, T25N, R10W; 805' FSL & 1031' FWL

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