

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JAN 05 2012

FORM APPROVED
OMB No. 1004-0137
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.

Farmington Field Office
Bureau of Land Management
JICARILLA CONTRACT #106
JICARILLA TRIBAL

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
NOBLE ENERGY, INC

3a. Address
5802 US HIGHWAY 64
FARMINGTON, NEW MEXICO 87401

3b. Phone No. (include area code)
505.632.8056

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1850' FSL, 790' FEL
i, SECTION 26, TOWNSHIP 26N, RANGE 4 W

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

8. Well Name and No.
LOWE #4

9 API Well No.
30-039-06293

10 Field and Pool or Exploratory Area
TAPACITO PICTURED CLIFFS

11. Country or Parish, State
RIO ARRIBA COUNTY, NEW MEXICO

12. CHECK THE 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 type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" 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 must 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 must be filed once testing has been completed. Final Abandonment Notices must 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 SUBMITS A NOTICE OF INTENT TO PLUG AND ABANDON THE SUBJECT LOCATION.

THE PROCEDURES FOR PLUGGING AND ABANDONMENT OF THE WELL ARE ATTACHED.

Notify NMOCD 24 hrs
prior to beginning
operations

RCVD JAN 11 '12
OIL CONS. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
JEAN M. MUSE-REYNOLDS

Title REGULATORY COMPLIANCE

Signature

Date 01/04/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date

JAN 09 2012

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.

(Instructions on page 2)

NMOCD A

PLUG AND ABANDONMENT PROCEDURE

December 15, 2011

LOWE #4

Lease: Jicarilla Tribal #106

1850' FSL, 790' FEL, SEC 26 - T26N - R4W

Lat: 36.4553837108649 / Long: -107.215232692545

Rio Arriba County, New Mexico

API 30-039-06293

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 Class B, mixed at 15.6 ppg with a 1.18 cf/sx yield.

1. This project requires the Operator to obtain an approved NMOCD C-144 CLEZ Closed-Loop System Permit for the use of an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.
2. Install and / or test location rig anchors. Comply with all NMOCD, BLM, and Operator safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing. ND wellhead and NU BOP. Function test BOP. Spool out or TOH and tally the tubing.

3. Rods: Yes ☐, No ☐, Unknown ☒.
Tubing: Yes ☒, No ☐, Unknown ☐, Size 1", Length 3445'.
Packer: Yes ☐, No ☒, Unknown ☐, Type .
If well has a packer, then modify the work sequence in Step #2 as appropriate.

4. **Plug #1 (Pictured Cliffs perforations: 3556'-3576' and 3592'-3606')**: TIH and tag PBTD at 3667' or as deep as possible. Pump 60 bbls water down the tubing to attempt to circulate the well. Mix 45 sxs Class B cement and spot a balanced plug inside the casing to isolate the Pictured Cliffs perforations. TOH and WOC. TIH and tag cement; TOC should be above 3492' 3506'. Circulate the well clean with water. Pressure test casing to 500#. *If the casing does not test, then spot or tag subsequent plugs as appropriate.* TOH and LD the tubing.

→ Plug Fruitland / Kirtland / Ojo Alamo 3406'-2968'; Plug Nacimiento from 1852'-1752' inside + outside 5 1/2" casing

6. **Plug #2 (Surface plug, 350' - Surface)**: Perforate 3 HSC holes at 340'. Establish circulation out of the bradenhead with water; circulate the BH annulus clean. Mix and pump approximately 100 sxs cement down the 5-1/2" casing until good cement returns out the bradenhead valve. Shut in well and WOC.
7. 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.

WELLBORE DIAGRAM

WELL NAME: Lower No. 4-26
 LOCATION: 1850' FSL & 790' FEL
 COUNTY, STATE: Rio Arriba, NM
 GL Elevation: 6954'
 KB Elevation: 6960'
 TD: 3715'
 PBTD: 3667'

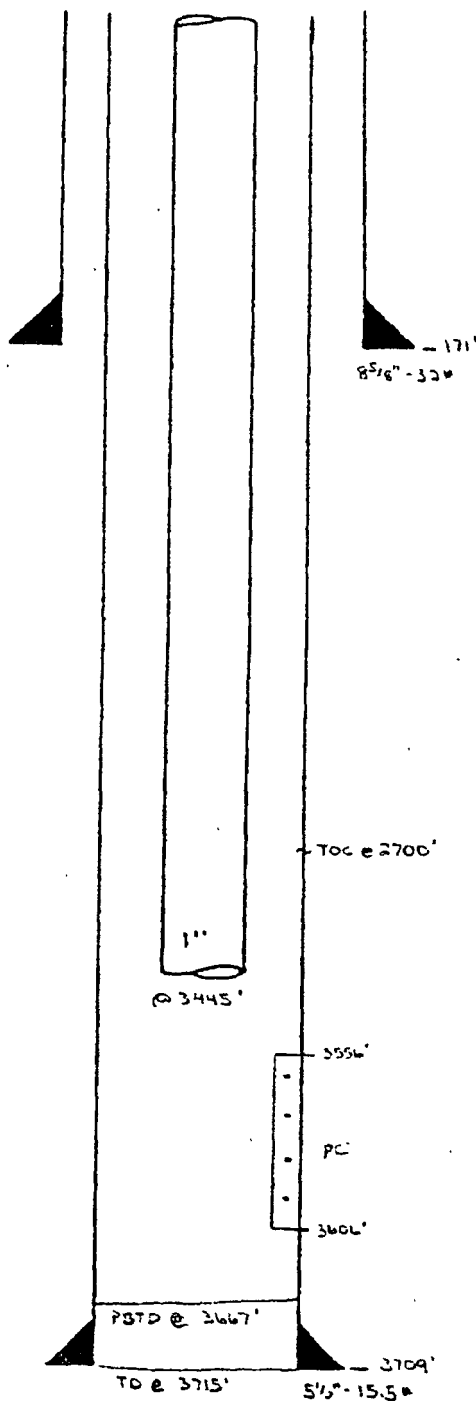
BY: MCO
 DATE: 10-15-64

Cement top(s): _____

5 1/2" from shoe to 2700' (calc)

Perfs (Formation): _____

PC 3556' - 3606'



Surface Csg: 12 1/4" bit

8 5/8" - 32# cased @ 171' w/

100sx reg w/ 2% CaCl₂

Tubing: _____

1" regular hung @ 3445'

2 1/2" ID / 83lbs reg

Packer: _____

Production Csg: 7 7/8" bit

5 1/2" - 15.5# sub @ 3709'

cased w/ 135sx 50/50 Poz w/ 4% gel

and 40sx reg C1 "A" w/ 2% CaCl₂

**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
1235 LA PLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401**

Attachment to notice of
Intention to Abandon:

Re: Permanent Abandonment
Well: 4 Lowe

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 599-8907.
3. The following modifications to your plugging program are to be made:
 - a) Bring the top of the Pictured Cliffs plug to 3492'.
 - b) Place the /Fruitland/Kirtland/Ojo Alamo plug from 3406' – 2968'.
 - c) Place the Nacimiento plug from 1852' – 1752' inside and outside the 5 ½" casing.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.