

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS** JUL 22 2008  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.**Bureau of Land Management  
Farmington Field Office**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <i>BM</i>		5. Lease Serial No. NMSF078463
2. Name of Operator NOBLE ENERGY INC Contact: JEAN M MUSE E-Mail: jmuse@nobleenergyinc.com		6. If Indian, Allottee or Tribe Name
3a. Address 5802 US HIGHWAY 64 FARMINGTON, NM 87401	3b. Phone No. (include area code) Ph: 303-228-4316 Fx: 505-632-3031	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 34 T31N R13W SWSE 1097FSL 1439FEL		8. Well Name and No. LANGENDORF 3
		9. API Well No. 30-045-26275
		10. Field and Pool, or Exploratory MESA VERDE
		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			
<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 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 RESPECTFULLY SUBMITS THE NOTICE OF INTENT TO PLUG AND ABANDON THE SUBJECT WELL, USING THE PROCEDURES ATTACHED.

RCVD JUL 24 '08

OIL CONS. DIV.

DIST. 3

14. I hereby certify that the foregoing is true and correct. Electronic Submission #61459 verified by the BLM Well Information System For NOBLE ENERGY INC sent to the Farmington	
Name (Printed/Typed) JEAN M MUSE	Title REGULATORY COMPLIANCE
Signature (Electronic Submission)	Date 07/16/2008

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By Original Signed: Stephen Mason	Title	Date JUL 23 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	

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 \*\***

NMOC

## PLUG AND ABANDONMENT PROCEDURE

July 9, 2008

### Langendorf #3

SWD Mesaverde  
1097' FSL and 1439' FEL, Section 34, T31N, R13W  
San Juan County, New Mexico / API 30-045-26275  
Lat: N \_\_\_\_\_ / Lat: W \_\_\_\_\_

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be Class G, mixed at 15.8 ppg with a 1.15 cf/sx yield.

1. This project requires the Operator to obtain an approved NMOCD C-144 Pit or Below-Grade Tank Registration or Closure application for a closed loop system for the use of an A-Plus steel tank to handle waste fluids circulated from the well.
2. Install and test location rig anchors. Prepare and line a waste fluid pit. 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.
3. Rods: Yes \_\_\_\_\_, No X, Unknown \_\_\_\_\_  
Tubing: Yes X, No \_\_\_\_\_, Unknown \_\_\_\_\_, Size 2.875" Plastic Coated, Length 3510'.  
Packer: Yes X, No \_\_\_\_\_, Unknown \_\_\_\_\_, Type \_\_\_\_\_.  
If well has rods or a packer, then modify the work sequence in Step #2 as appropriate.
4. **Plug #1 (Mesaverde perforations and top, 3612' – 3500')**: TIH and set 5.5" CR at 3612'. Load casing with water and circulate well clean. Pressure test casing to 500#. *If casing does not test, then spot or tag subsequent plugs as appropriate.* Mix 19 sxs Class G cement and spot above CR to cover through the Mesaverde top. PUH.
5. **Plug #2 (Pictured Cliffs top, 2000' - 1900')**: Mix 18 sxs Class G cement and spot a plug inside the casing to cover the Pictured Cliffs top. TOH with tubing.
6. **Plug #3 (Fruitland top, 1370' – 1270')**: Perforate 3 squeeze holes at 1370'. Attempt to establish rate into squeeze holes if the casing pressure tested. Set 5.5" cement retainer at 1370'. Establish rate into squeeze holes. Mix and pump 49 sxs Class G cement, squeeze 31 sxs outside the 5.5" casing and leave 18 sxs inside the casing to cover the Fruitland top. TOH and LD tubing.
7. **Plug #4 (Kirtland top and 8.625" Surface Casing, <sup>364</sup>347' – Surface)**: Perforate 3 squeeze holes at <sup>364</sup>347'. Establish circulation out bradenhead with water. Circulate the BH annulus clean. Mix and pump approximately 95 sxs Class G cement down 5.5" casing to circulate good cement out the bradenhead. SI well and WOC.

- 8 . ND BOP and cut off casing below surface casing flange. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

# Langendorf #3

## Current

SWD Mesaverde

1097' FSL, 1439' FEL, Section 34, T-31-N, R-13-W,

San Juan County, NM / API #30-045-26275

Lat N. \_\_\_\_\_ / Long W. \_\_\_\_\_

Today's Date: 7/9/08

Spud: 6/8/85

Completed: 6/22/85

Elevation: 5860' GI  
5872' KB

Kirtland @ 200'

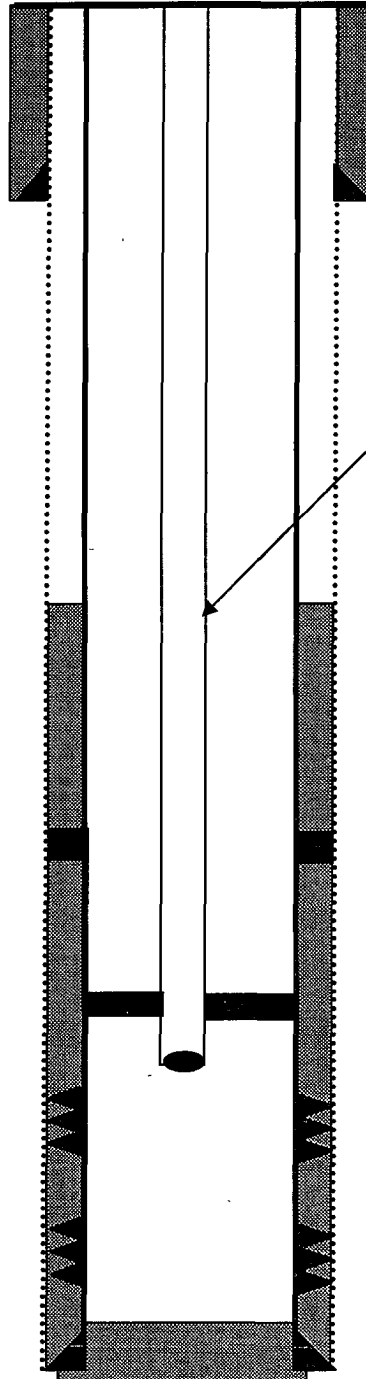
Fruitland @ 1320'

Pictured Cliffs @ 1950'

Mesaverde @ 3550'

12.25" hole

7.875" hole



8.625" 24#, Casing set @ 267'  
Cement with 283 cf (Circulated to Surface)

2.875" Plastic Coated Tubing at 3510'  
(6.5#, J-55 with packer at 3484')

TOC @ 1735' (CBL)

DV Tool @ 2108'  
Cement with 592 sxs (591 cf)

TOC @ DV Tool, (Calc, 75%)

Baker A-3 Locset Packer at 3484'

Mesaverde Perforations:  
3662' - 3706' (2000)

Mesaverde Perforations:  
4555' - 4612'

5.5", 15.5#, J-55 Casing set @ 4700'  
Cement with 714 sxs (891 cf)

TD 4700'  
PBTD 4657'

# Langendorf #3

## Proposed

SWD Mesaverde

1097' FSL, 1439' FEL, Section 34, T-31-N, R-13-W,

San Juan County, NM / API #30-045-26275 \

Lat N. \_\_\_\_\_ / Long W. \_\_\_\_\_

Today's Date: 7/9/08

Spud: 6/8/85

Completed: 6/22/85

Elevation: 5860' GI  
5872' KB

12.25" hole

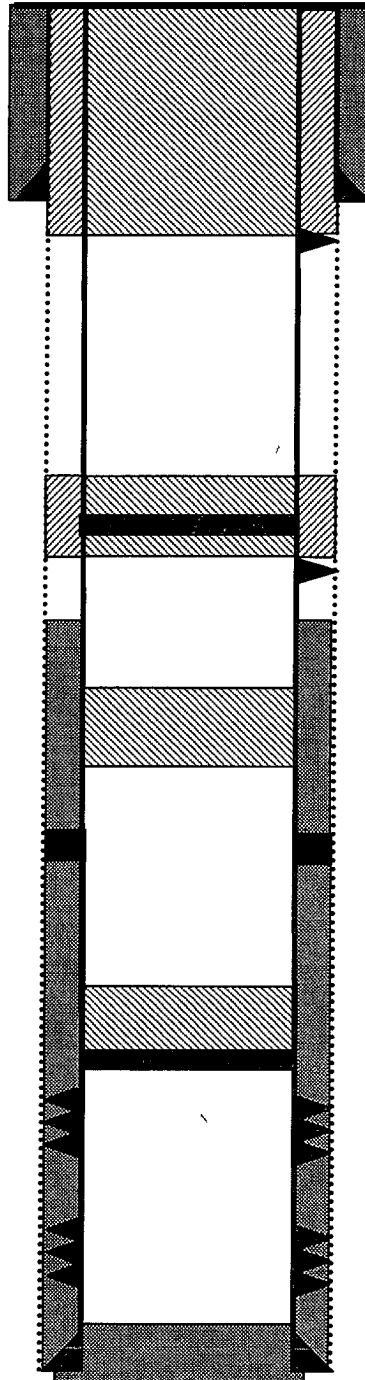
Kirtland @ 200'

Fruitland @ 1320'

Pictured Cliffs @ 1950'

Mesaverde @ 3550'

7.875" hole



8.625" 24#, Casing set @ 267'  
Cement with 283 cf (Circulated to Surface)

Perforate @ 317'

Plug #4: 317' - 0'  
Class G cement, 95 sxs

CR @ 1320'

Plug #3: 1370' - 1270'  
Class G cement, 49 sxs:  
31 outside and 18 inside

Perforate @ 1370'

TOC @ 1735' (CBL)

Plug #2: 2000' - 1900'  
Class G cement, 18 sxs

DV Tool @ 2108'  
Cement with 592 sxs (591 cf)

TOC @ DV Tool, (Calc, 75%)

Set CR @ 3612'

Plug #1: 3612' - 3500'  
Class G cement, 19 sxs

Mesaverde Perforations:  
3662' - 3706' (2000)

Mesaverde Perforations:  
4555' - 4612'

5.5", 15.5#, J-55 Casing set @ 4700'  
Cement with 714 sxs (891 cf)

TD 4700'  
PBSD 4657'

**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: 3 Landendorf

**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) Place the Kirtland/Surface Casing plug from 364' to surface 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.