

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

JUL 22 2008

FORM APPROVED  
OMB NO. 1004-0135  
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.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM0702
2. Name of Operator NOBLE ENERGY INC Contact: JEAN M MUSE E-Mail: jnmuse@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 31 T29N R10W SENW 935FSL 1050 2060FEL 36.67775 N Lat, 107.91966 W Lon		8. Well Name and No. MANLEY 1-31
		9. API Well No. 30-045-07615
		10. Field and Pool, or Exploratory FULCHER
		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 recomplate 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 recomplection 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. <b>Electronic Submission #61453 verified by the BLM Well Information System For NOBLE ENERGY INC sent to the Farmington</b>	
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 <b>Original Signed: Stephen Mason</b>	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 D 46

## PLUG AND ABANDONMENT PROCEDURE

July 8, 2008

### Manley 01-31

Fulcher Kutz Pictured Cliffs  
935' FSL and 1050' FEL, Section 31, T29N, R10W  
San Juan County, New Mexico / API 30-045-07615  
Lat: 36.67775 N / Lat: 107.91966

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 ☒, Unknown ☐  
Tubing: Yes ☐, No ☐, Unknown ☒, Size , Length   
Packer: Yes ☐, No ☒, Unknown ☐, Type   
If well has rods or a packer, then modify the work sequence in Step #2 as appropriate.
4. **Plug #1 (Pictured Cliffs interval and Fruitland top, 1770' - <sup>1476</sup>1516')**: PU and TIH with 4.5" cement retainer, set at 1770'. Load casing above the CR with water and circulate well clean. Pressure test casing to 800#. *If casing does not test, spot or tag subsequent plugs as appropriate.* Mix and pump <sup>21</sup>21 sxs Class G cement above CR to isolate the Pictured Cliffs interval and cover the Fruitland top. PUH.
5. **Plug #2 (Kirtland and Ojo Alamo tops, <sup>856 583</sup>861' - 600')**: Mix and pump <sup>21</sup>21 sxs Class G cement inside casing to cover the Kirtland and Ojo Alamo tops. PUH.
6. **Plug #3 (8.625" Surface casing, 167' - Surface)**: Connect the pump line to the bradenhead valve. Pressure test the BH annulus to 300#; note the fluid volume to load. If the BH annulus tests, then mix 15 sxs Class G cement and spot a balanced plug inside the 4.5" casing to cover the surface casing shoe, circulate cement to surface out the casing valve. TOH and LD the tubing. If the BH annulus does not test, then perforate at the appropriate depth to fill the bradenhead annulus to surface. TOH and LD tubing. Shut in well and WOC.
7. ND cementing valves and cut off wellhead. Fill 4.5" casing with cement as necessary. Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location.

# Manley 01-31 Current

Fulcher Kutz Pictured Cliffs  
935' FSL, 1050' FEL, Section 31, T-29-N, R-10-W,  
San Juan County, NM / API #30-045-07615  
Lat 36.67775 N / Long 107.91966 W

Today's Date: 7/8/08  
Spud: 1/18/62  
Completed: 1/22/82  
Elevation: 5642' GL  
5654' KB

12.25" hole

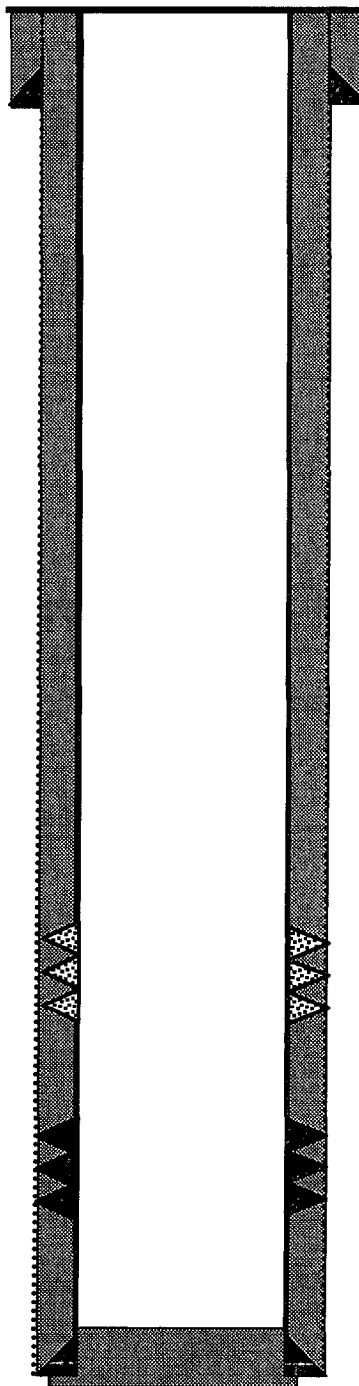
Ojo Alamo @ 650' \*est

Kirtland @ 811' \*est

Fruitland @ 1556' \*est

Pictured Cliffs @ 1812'

7.875" hole



Cement to Surface per Sundry Notice

8.625" 32, H-40 Casing set @ 117'  
Cement with 80 sxs (Circulated to Surface)

No tubing records.

Fruitland Perforations:  
1566' -1620', 1650' - 1660'  
Sqz with 28 sxs cement (1976)

Pictured Cliffs Perforations:  
1820' - 1894'

4.5", 16.6#, Casing set @ 1934'  
Cement with 400 sxs  
Circulate cement to surface per Sundry

TD 1936'  
PBTD 1904'

# Manley 01-31 Proposed P&A

Fulcher Kutz Pictured Cliffs  
935' FSL, 1050' FEL, Section 31, T-29-N, R-10-W,  
San Juan County, NM / API #30-045-07615  
Lat 36.67775 N / Long 107.91966 W

Today's Date: 7/8/08  
Spud: 1/18/62  
Completed: 1/22/82  
Elevation: 5642' GL  
5654' KB

12.25" hole

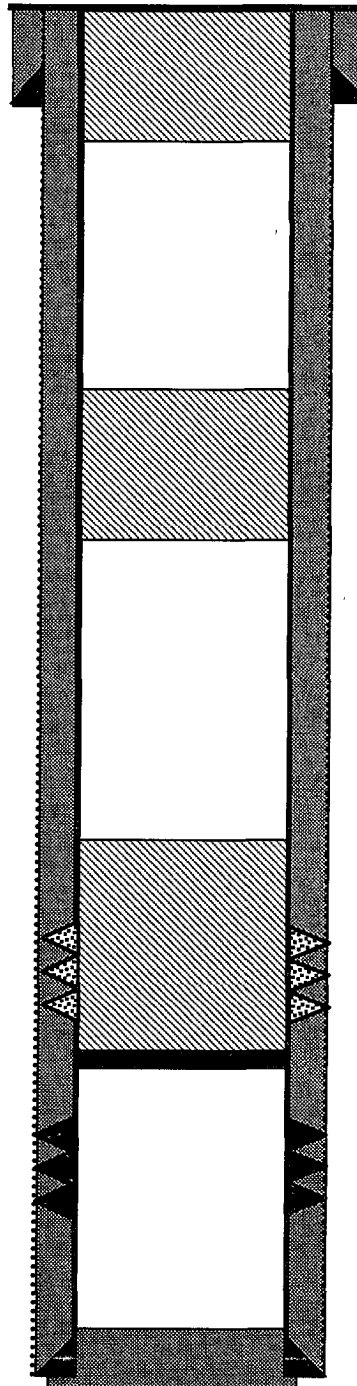
Ojo Alamo @ 650' \*est

Kirtland @ 811' \*est

Fruitland @ 1556' \*est

Pictured Cliffs @ 1812'

7.875" hole



Cement to Surface per Sundry Notice

8.625" 32, H-40 Casing set @ 117'  
Cement with 80 sxs (Circulated to Surface)

**Plug #3: 167' – 0'**  
Class G Cement, 15 sxs

**Plug #2: 861' – 600'**  
Class G Cement, 21 sxs

**Plug #1: 1770' – 1516'**  
Class G Cement, 21 sxs

Fruitland Perforations:  
1566' -1620', 1650' – 1660'  
Sqz with 28 sxs cement (1976)

**Set CR @ 1770'**

Pictured Cliffs Perforations:  
1820' – 1894'

4.5", 16.6#, Casing set @ 1934'  
Cement with 400 sxs  
Circulate cement to surface per Sundry

TD 1936'  
PBTD 1904'

**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: 1-31 Manley

**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/Fruitland plug to 1476'.
  - b) Place the Kirtland/Ojo Alamo plug from 856' –583'.

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.