

In Lieu of
Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
NM & O Operating Company

3. Address and Telephone No. C/O Walsh Engineering & Production Corp.
7415 East Main Farmington, NM 87402 505-327-4892

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1840' FSL & 1690' FEL, Sec. 32, T26N, R2W

5. Lease Designation and Serial No.

NM 01806

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Federal No. 22

9. API Well No.

10. Field and Pool, or Exploratory Area
Pictured Cliffs

11. County or Parish, State
Rio Arriba, New Mexico

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment

TYPE OF ACTION

- ☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

NM & O Operating Company plans to plug and abandon the above mentioned well as per the attached procedure.

RECEIVED
JUL 24 1997

OIL CON. DIV
DIST. 3

14. I hereby certify that the foregoing is true and correct

Signed

John C. Thompson

(John C. Thompson)

Title

Agent

Date

05/07/97

(This space for Federal or State office use)

Approved by

for

Title

Date

JUL 21 1997

Conditions of approval, if any:

- Attached letter for surface restoration

NM & O Operating Company
Procedure for plugging & abandoning the Federal #22

Location: Section J 32, T26N, R2W
Rio Arriba, New Mexico

Date: 5/6/97
Elevation: 7549'
5-1/2" @ 3988'
Existing Perfs: 3906' - 3954'

Field: Pictured Cliffs

Surface: BLM

Prior to Move In:

1. Locate rig anchors.
2. Dig flow back pit if necessary.

Plug Pictured Cliffs:

1. Hold safety meeting & discuss procedure.
2. MOL & RU pulling unit.
3. ND WH & NU BOP.
4. TOH w/ 2-3/8" tbg. (125 jts?)
5. PU cement retainer & RIH on 2-3/8" tbg.
6. Set cement retainer at 3850' KB.
7. Load backside w/ water & monitor pressure while pumping 18 sx (18 cu.ft.) of Class "B" cement. Sting out of retainer, leaving 1 bbl of cement on top of retainer.
8. Reverse tubing clean & pull up to 3750'.

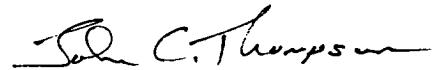
Cement across Ojo Alamo:

9. Spot 22 sx. of Class "B" cement w/ 2% CaCl₂ in a balanced plug to cover Ojo Alamo formation (3743' - 3603').
10. Reverse tubing clean & TOH (laying down) w/ tubing.
11. WOC.

Cement Surface Casing:

12. RU wireline unit & RIH w/ squeeze gun.
13. Tag up on cement to confirm TOC (top of cement) across Ojo Alamo. If OK, pull up & shoot 2 holes at 130'. If not, repeat steps #9 - #11.
14. Establish circulation down casing & pump 12 sx of Class "B" cement or until cement circulates out bradenhead.
15. Fill up casing w/ cement if necessary. *over 10 seconds*
16. Cut off well head & anchors.
17. Install P&A marker & restore location per BLM requirements.

John C. Thompson



Engineer

WALSH ENGINEERING & PRODUCTION CORP.

5/5/97: jca

Federal #22
1840' FSL & 1690' FEL
Sec 32 T26N R2W
Rio Arriba, NM

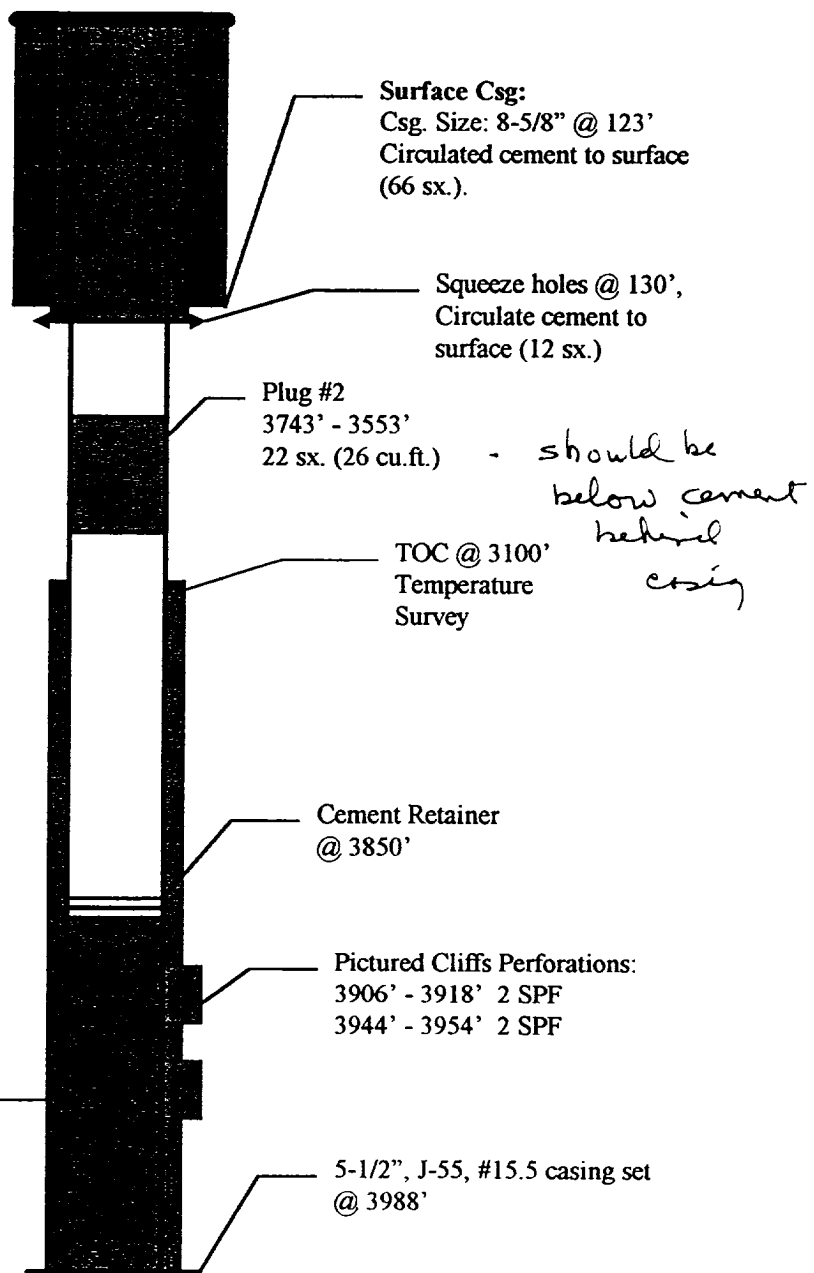
P&A Status

Elevation: 7549', KB: 10'

Formation Tops:

Ojo Alamo:	3603'
Kirtland:	3743'
Fruitland:	3850'
Pictured Cliffs:	3900'
Lewis:	3970'

Plug #1:
3850' - 3988'
18 sx (21 cu.ft.)



CONDITIONS OF APPROVAL FOR PERMANENT ABANDONMENT

Operator NM&O Operating Co. Well Name Federal No. 22

1. Plugging operations authorized are subject to the "General Requirements for Permanent Abandonment of Wells on Federal Leases."
2. For wells on Federal leases, Al Yepa with the Cuba Field Office is to be notified at least 24 hours (48 hours if possible) before the plugging operations commence. His phone number is (505) 289-3748. Office hours are 7:45 a.m. to 4:30 p.m.

For wells on Jicarilla leases notify Erwin Elote with the Jicarilla Apache Tribe at least 24 hours (48 hours if possible) before the plugging operations commence. His phone number is (505) 759-3242.

3. Blowout prevention equipment is required.
4. The following modifications to your plugging program are to be made :

Plug #2; 3744' - 3553', a cement plug will also be placed within the annulus.

Plug #3; A cement plug will be placed from 1850' - 1750' inside the casing and the annulus to plug off the Nacimiento Formation.

Cement Surface Casing (13); Cement plug must cover a minimum of 50 feet below and above the surface casing shoe, inside the casing and the annulus. Holes to be perforated at 130' need to be at or below 173'.