

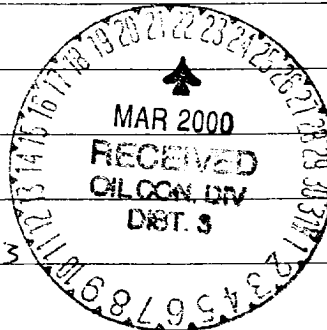
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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 80 Operating

3. Address and Telephone No.

6 E 5th St, Suite 200, TULSA, OK 74103

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

890 AWC, 1650 FWL

Section 32, T26N, R2W

5. Lease Designation and Serial No.

Nm 01804-17

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Federal # 21

9. API Well No.

30-039-06249

10. Field and Pool, or Exploratory Area

Gavulin, Pictured Clif

11. County or Parish, State

Rio Arriba, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

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 or 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.)\*

See Attached Procedures & Diagrams

RECEIVED  
BLM  
00 MAR 15 AM 11:18  
ALBUQUERQUE, N.M.

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

Signed Nathan E. Sweet For LARRY SWEET Title P&A Supervisor

Date 3-13-2000

(This space for Federal or State office use)

Surface Pkg 45 x 45 (1.18 yield)  
Petro. E-J

Approved by [Signature]

Title

Date 3/17/00

Conditions of approval, if any:

Attached

Title 18 U.S.C. Section 1501, makes 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.

# PLUG AND ABANDONMENT PROCEDURE

FEDERAL #21  
PICTURED CLIFFS  
SEC. 32, T26N, R2W  
RIO ARRIBA, NEW MEXICO

NOTE: ALL CEMENT VOLUMES USE 100% EXCESS OUTSIDE PIPE AND 50 FT. EXCESS INSIDE PIPE. THE STABILIZING WELLBORE FLUID WILL BE 8.3 ppg, SUFFICIENT TO BALANCE ALL EXPOSED FORMATION PRESSURES.

1. INSTALL AND TEST RIG ANCHORS. PREPARE BLOW PIT. COMPLY WITH ALL BLM, KEY, AND NM&O SAFETY RULES AND REGULATIONS. MOL AND RU DAYLIGHT PULLING UNIT. CONDUCT SAFETY MEETING FOR ALL PERSONNEL ON LOCATION. NU RELIEF LINE AND BLOW DOWN WELL, KILL WITH WATER AS NECESSARY.
2. ND WELLHEAD AND NU BOP AND STRIPPING HEAD. TEST BOP. RELEASE PACKER AND POH AND TALLY TUBING; VISUALLY INSPECT THE TUBING. IF NECESSARY LD TUBING AND PU WORK STRING. ROUND TRIP 5 ½" WIRELINE GAUGE RING TO 3844'.
3. **PLUG #1** (PICTURED CLIFFS, FRUITLAND, KIRTLAND, OJO ALAMO; 3632' - 3908'): RIH W/ 5 ½" WIRELINE CIBP AND SET AT 3844'. RIH WITH WORK STRING AND TAG CIBP. LOAD AND CIRCULATE HOLE CLEAN W/ WATER. PRESSURE TEST CSG TO 500 psi. BALANCE 24 SX CLASS B CEMENT PLUG ON TOP OF CIBP. POH.
4. **PLUG #2** (NACIMIENTO; 1700' - 1850'): PERFORATE 4 SQUEEZE HOLES AT 1850'. PU AND RIH W/ 5 ½" CEMENT RETAINER AND SET AT 1800'. ESTABLISH INJECTION RATE INTO PERFORATIONS W/ WATER. MIX AND PUMP 62 SX CLASS B CEMENT PLUG, PLACING 51 SX BELOW AND 11 SX ABOVE RETAINER. POH.
5. **PLUG #3** (SURFACE, SHOE; 0' - 165'): PERFORATE 4 SQUEEZE HOLES AT 165'. TIE PUMP ONTO CASING VALVE AND ESTABLISH CIRCULATION TO SURFACE OUT THE BRADON HEAD W/ WATER. MIX AND PUMP APPROXIMATELY 34 SX CLASS B CEMENT TO CIRCULATE GOOD CEMENT TO SURFACE.
6. ND BOP, DIG CELLAR AND CUT OFF WELL HEAD BELOW SURFACE CASING FLANGE. INSTALL DRY HOLE MARKER. RD, MOL AND CUT OFF ANCHORS. RESTORE LOCATION PER BLM STIPULATIONS.

FEDERAL #21  
CURRENT  
SEC. 32, T26N, R2W  
RIO ARRIBA, NM  
PICTURED CLIFFS

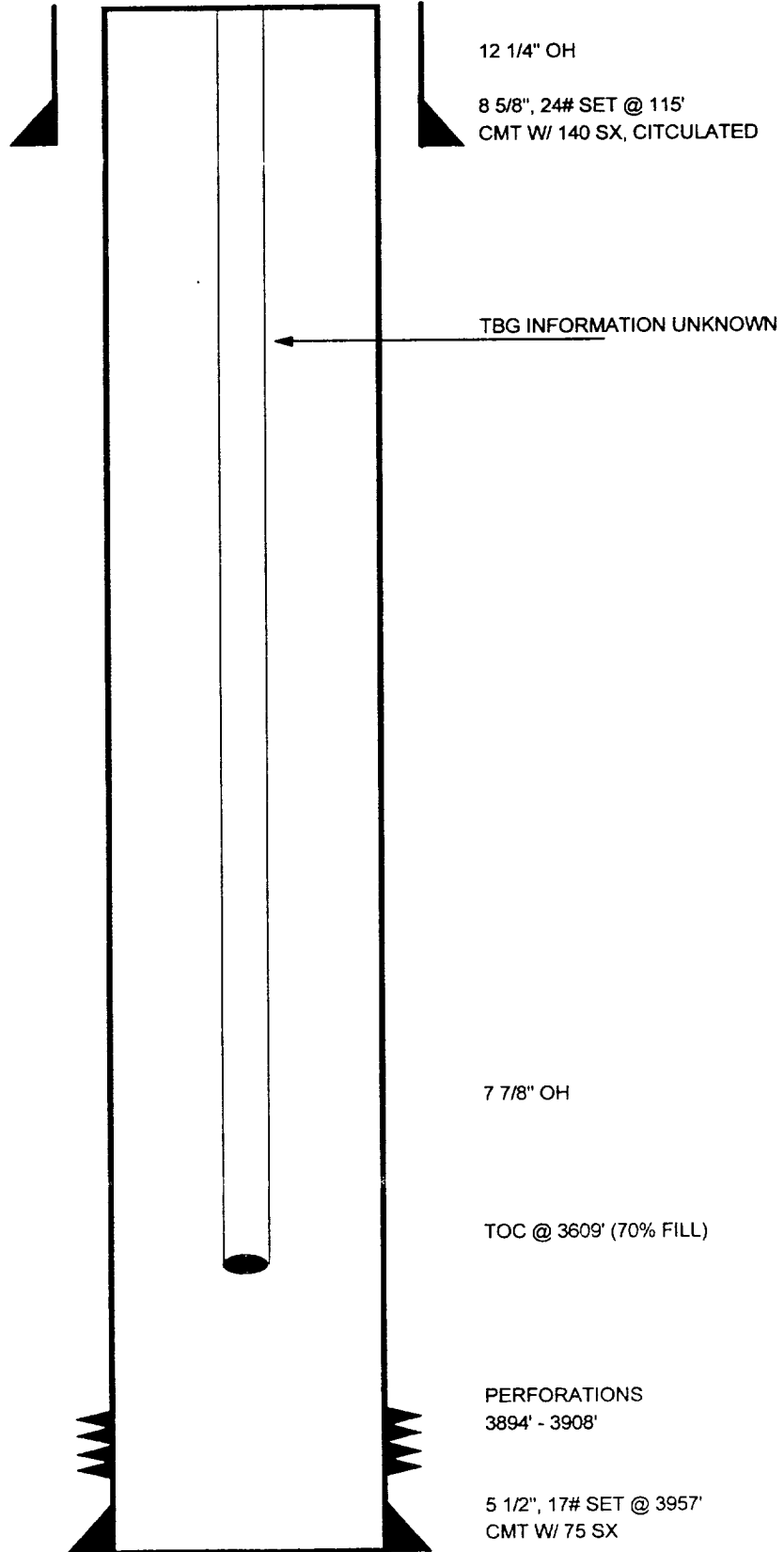
TODAY'S DATE: 02-07-00

SHOE @ 115'

NACIMIENTO @ 1800'

OJO ALAMO @ 3682'  
KIRTLAND @ 3720'  
FRUITLAND @ 3772'

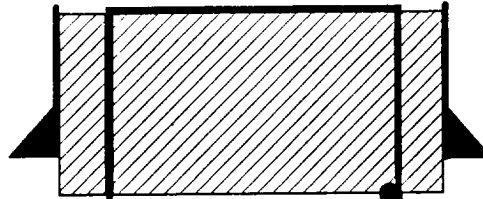
PICTURED CLIFFS @ 3882'



**FEDERAL #21**  
**PURPOSED**  
**SEC. 32, T26N, R2W**  
**RIO ARRIBA, NM**  
**PICTURED CLIFFS**

TODAY'S DATE: 02-07-00

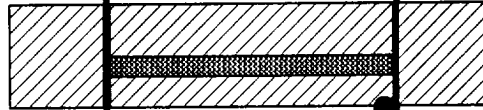
SHOE @ 115'



**PLUG #3 (0' - 165'), CMT W/ 34 SX**  
**12 1/4" OH**

**8 5/8", 24# SET @ 115', CMT W/ 140 SX, CIRCULATED**  
**PERFORATE @ 165'**

NACIMIENTO @ 1800'

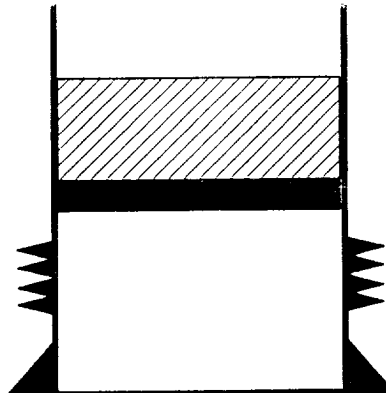


**PLUG #2 (1700' - 1850')**  
**CMT W/ 62 SX**  
**RETAINER @ 1800'**  
**PERFORATE @ 1850'**

**7 7/8" OH**

**OJO ALAMO @ 3682'**  
**KIRTLAND @ 3720'**  
**FRUITLAND @ 3772'**

**PICTURED CLIFFS @ 3882'**



**TOC @ 3609' (70% FILL)**  
**PLUG #1 (3632' - 3908')**  
**CMT W/ 24 SX**

**CIBP @ 3844'**

**PERFORATIONS**  
**3894' - 3908'**

**5 1/2", 17# SET @ 3957'**  
**CMT W/ 75 SX**

CONDITIONS OF APPROVAL FOR PERMANENT ABANDONMENT

Operator N M & O Operating

Well Name NM71517 Federal #21

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

## BLM CONDITIONS OF APPROVAL

The following surface rehabilitation Conditions of Approval must be complied with as applicable, before this well can be approved for final abandonment (see 43 CFR 3162.3-4). **Surface rehabilitation work shall be completed within one year of the actual plugging date. Notification for completion of this work can be submitted with a Sundry Notice. Question? Call Pat Hester at (505) 761-8786.**

1. All fences, production equipment, purchaser's equipment, concrete slabs, deadman (anchors), flowlines, risers, debris and trash must be removed from the location. Non-retrieved flowlines and pipelines will be abandoned in accordance with State Rule 714. Information supporting the non-retrieval will be included in the subsequent report or final abandonment Sundry Notice.
2. Production pits will be closed according to the Unlined Surface Impoundment Closure Guidelines, as approved in the Environmental Assessment of December 1993. Any oil stained soils can be remediated on-site according to these guidelines or disposed of in a approved disposal facility.
3. The well pad will be shaped to the natural terrain and left as rough as possible. All compacted areas and areas devoid of vegetation shall be ripped to a minimum of 12" before seeding.
4. Access roads will be shaped to conform to the natural terrain and left as rough as possible to deter vehicle travel. Access will be ripped to a minimum of 12" in depth and waterbarred prior to seeding. All erosion problems created by the development must be corrected prior to acceptance of release. Waterbars should be spaced as shown below:

% Slope	Spacing Interval
Less than 20%	200'
2 to 5%	150'
6 to 9%	100'
10 to 15%	50'
Greater than 15%	30'

All water bars should divert to the downhill side of the road.

5. All disturbed areas will be seeded with the prescribed certified seed mix (reseeding may be required). Seed mix must be certified weed free to avoid the introduction of noxious weeds. Refer to original APD for seed mix.
6. Notify Surface Managing Agency seven (7) days prior to seeding so that they may be present to witness.
7. The period of liability under the bond of record will not be terminated until the lease is inspected and the surface rehabilitation approved.

Other SMA's may vary slightly in their restoration requirements. It is your responsibility, as the operator, to obtain surface restoration requirements from other SMA's. We need to be provided with a copy of these requirements. Any problems concerning stipulations received from other SMA's should be brought to us.

On private land, a letter from the fee owner stating that the surface restoration is satisfactory will be provided to this office. Questions? Call Pat Hester at (505) 761-8786.