

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 AAA Development
% NMOCO

3. Address and Telephone No.

1000 Rio Brazos Rd. Aztec NM 87410 334-6178

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

34-32N-17W 1980 / N-775/E

5. Lease Designation and Serial No.

14-20-603-5013

6. If Indian, Allottee or Tribe Name

Navajo Tribe

7. If Unit or CA, Agreement Designation

8. Well Name and No.

8 Navajo M

9. API Well No.

30045 11193

10. Field and Pool, or Exploratory Area

11. County or Parish, State

San Juan, 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 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.)*

See attached plugging procedure.

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

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

Signed NMOCO CONTRACT Plugging

Date 8/11/00

(This space for Federal or State office use)

Approved by [Signature] Title PE

Conditions of approval, if any:

Date 8/17/00

Title 18 U.S.C. Section 1001, 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.

*See Instruction on Reverse Side

OPERATOR

API NUMBER 30-045-11193
 OPERATOR NAME APA DEVELOPMENT CORP
 PROPERTY NAME NAVAJO M
 SECTION 34 TOWNSHIP 32N
 FOOTAGE 1980 FNL 775 FEL UL "H"

200 11 11 11 11 25
 WELL NUMBER
 30 045 111 93

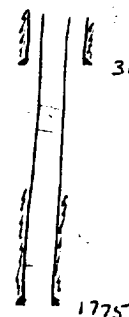
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RANGE 17W

Sur Csg OD NA HOLE	8 5/8	XX		XX
SUR CSG TD	31	XX		XX
SUR CSG WT	32	XX		XX
TOP OF CMT	0	XX		XX
ACTUAL	CIRC	XX		XX
CACULATED	10SX	XX		XX
PROD CSG OD 7 7/8	5 1/2	XX		XX
PROD CSG TD	1775	XX		XX
PROD CSG WT	14/17	XX		XX
TOP OF CMT	1264	XX		XX
FORMATION TOP	ACTUAL	EST		
GALLUP ¹⁴⁰⁵ 1505	CACULATED	75SX		
MANCOS 280'	PERF TOP	1732	XX	XX
	PERF BOTTOM	1738	XX	XX
	PACKER		XX	XX
	TYPE OF PLUG		XX	XX
	CIBP & CMT		XX	XX
	CMT		XX	XX

PROPOSED PLUGGING OPERATION

MIRU PU, BOPE, TOOH W/TUBING, PICK UP WORK STRING, CIRC HOLE
 SPOT 18 SX PLUG ¹⁴⁵⁵ 1643-1493 WOC, TAG, FILL AS REQUIRED
 PERF @ 330' PUMP 47 SX ,330-230' 30 OUTSIDE CSG, 17 INSIDE
 PERF @ 81' CIRC CEMENT TO SURFACE, EST 23 SX
 CUT OFF WELLHEAD, INSTALL P&A MARKER, DIG AND CUT ANCHORS
 Close pits according to guidelines: Clean and level location



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

Attachment to notice of

Re: Permanent Abandonment

Intention to Abandon:

Well: 8 Navajo M

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. Mike Flanikan with the 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 Gallup plug from 1455' - 1305'.

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

GENERAL REQUIREMENTS FOR
PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES
FARMINGTON DISTRICT OFFICE

- 1.0 The approved plugging plans may contain variances from the following minimum general requirements.
- 1.1 Modification of the approved plugging procedure is allowed only with the prior approval of the Farmington District office, *Branch of Drilling & Production*.
- 1.2 Requirements may be added to address specific well conditions.
- 2.0 Materials used must be accurately measured.
- 3.0 A tank or approved pit must be used for containment of any fluids from the wellbore during plugging operations and all unattended pits are to be fenced with woven wire. These pits will be fenced on three sides and once the rig leaves location, the fourth side will be fenced.
- 3.1 Pits are not to be used for disposal of any constituent(s) of concern.
- 4.0 All cement plugs are to be placed through a work string. Cement may be bull-headed down the casing with prior approval. Cement caps on top of bridge plugs or cement retainers may be placed by dump bailer.
- 4.1 The cement shall be as specified in the approved plugging plan.
- 4.2 All cement plugs placed inside casing shall have sufficient volume to fill a minimum of 100' of the casing, or *annular void(s) between casings*, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.
- 4.3 Surface plugs may be no less than 50' in length.
- 4.4 All cement plugs placed to fill annular void(s) between casing and the formation shall be of sufficient volume to fill a minimum of 100' of the annular space plus 100% excess, *calculated using the bit size*, or 100' of annular capacity, *determined from a caliper log*, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.
- 4.5 All cement plugs placed to fill an open hole shall be of sufficient volume to fill a minimum of 100' of hole, *as calculated from a caliper log*, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug. In the absence of a caliper log, an excess of 100% shall be required.
- 5.0 All cement plugs spotted across, or above, any exposed zone(s), when; the wellbore is not full of fluid or the fluid level will not remain static, and in the case of lost circulation or partial returns during cement placement, shall be tested by: (1) tagging with the work string, or: (2) for cased holes only; pressuring to a minimum surface pressure of 500 PSI, with no more than a 10% drop during a 15-minute period.
- 5.1 The top of any cement plug verified by tagging must be at or above the depth specified in the approved plan, without regard to any excess.

5.2 Testing will not be required for any cement plug that is mechanically contained by use of a bridge plug and/or cement retainer.

5.3 Any cement plug which is the only isolating medium, for a fresh water interval or a zone containing a prospectively valuable deposit of minerals, shall be tested by tagging.

6.0 All wells are to be controlled by means of a wellbore fluid that is to be of a weight and consistency necessary to stabilize the wellbore. Wellbore fluid shall be left in place as filler between all plugs.

6.1 Drilling mud may be used as the wellbore fluid in open hole plugging operations.

5.2 The wellbore fluid used in cased holes shall be of sufficient weight to balance known pore pressures in all exposed formations.

7.0 A blowout preventer and related equipment (BOPE) shall be installed and tested prior to working in a wellbore with any exposed zone(s); (1) that are over pressured, (2) where the pressures are unknown, or (3) known to contain H₂S.

8.0 Within 30 days after plugging work is completed, file a Sundry Notice, *Subsequent Report of Abandonment (Form 3160-5)*, five copies, with the District Manager, Bureau of Land Management, 1235 La Plata Highway, Farmington, NM 87401. The report should show the manner in which the plugging work was carried out, the extent, by depth(s), of cement plugs placed, and the size and location, by depth(s), of casing left in the well. Show date well was plugged.

9.0 All permanently abandoned wells are to be marked with a permanent monument as specified in 43 CFR 3162.6(d). Unless otherwise approved.

All of the above are minimum requirements. Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1. You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.