

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM

FORM APPROVED
Budget Bureau No. 1004-1135
Expires September 30 1990

91 APR 18 PM 2:04

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

5 Lease Designation and Serial No.
SF-078890

6 If Indian, Ailonee or Tribe Name
NA

7 If Unit or CA Agreement Designation
ROSA

8 Well Name and No.
81

9 API Well No.
30-039-22666

10 Field and Pool or Exploratory Area
Basin Dakota

11 County or Parish, State
Rio Arriba, NM

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
MITCHELL ENERGY CORPORATION

3. Address and Telephone No.
**555 17th Street - Suite 3500
Denver, CO 80202 (303) 292-4455**

4. Location of Well (Footage, Sec., T., R., M. or Survey Description)
**1080' FNL & 1100 FEL NENE
Sec. 7-T31N-R4W**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection

Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form 1

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.)

Mitchell Energy Corporation proposes to plug & abandon the Rosa Unit #81 during September 1991. The proposed work will follow the attached procedure.

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APR 24 1991
OIL CON. DIV.
DIST. 3

SEE AGENCY FOR
CONDITIONS OF APPROVAL

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

Signature: James C. Anderson Title: DISTRICT PRODUCTION MANAGER Date: APR 19 1991

(This space for Federal or State office use)

Approved by: _____ Title: _____
Conditions of approval, if any:

APPROVED AS A MANAGER
AREA MANAGER

RECEIVED
FEB 4 1951
OIL CON. DIV.
DPT. 3

Proposed P & A Procedure

Rosa Unit #81

WELL DATA:

CASING: 10-3/4", 40.5# set @ 600'. Cemented w/600 sx Class "B" cement, containing 2% and 1/4# per sx floccel. Circulated cement to surface.

4-1/2", 11.6# set @ 8246' w/DV tool @ 6005' and sliding sleeve @ 3805'. Cemented in 2 stages:
1st stage: 400 sx 50/50 poz w/2% Gel, 1% Halad 9, 0.3% HR-4 and 6-1/4 #/sx gilsonite.
2nd stage: (thru DV tool): 525 sx 50/50 poz w/2% gel and 1% Halad 9.
Note: From CBL/GR log top of cement on 1st stage @ 6350'; top of cement on 2nd stage @ 4835'. 6/3/82 unable to break circ. thru sliding sleeve.

TUBING: 2-3/8", 4.7#, EUE @ +8050'.

PERFS: 8190'-8192'-Squeezed w/25 sx Class "H" w/0.8% Halad 9.
8166'-8140'
8122'-8114'
8110'-8106'
8078'-8064'

PBTD: 8176'

T.D: 8250'

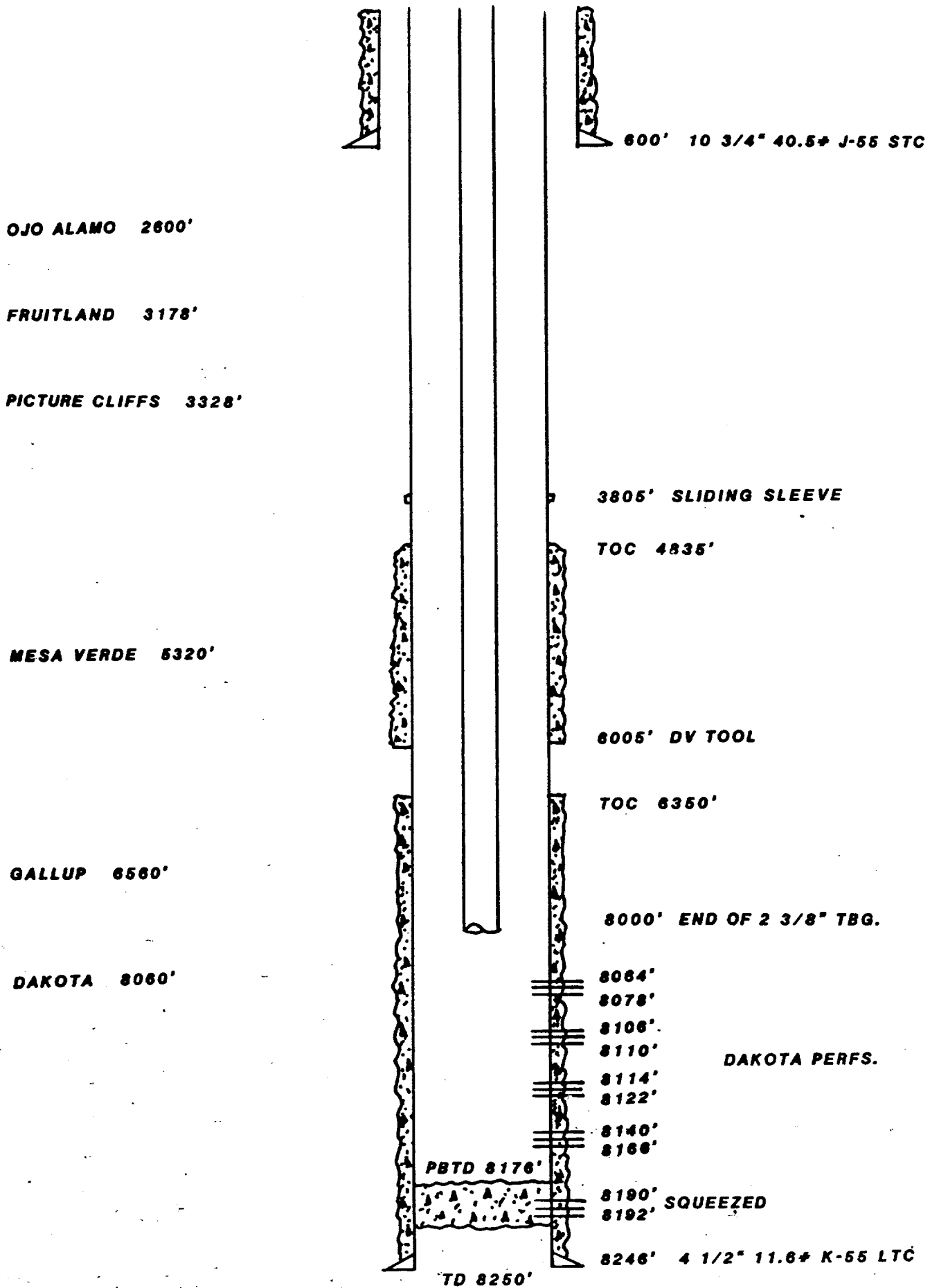
PROPOSED
PROCEDURE:

1. MI & RU pulling unit. Kill well w/9.2#/gal. mud. ND tree and NU BOP's.
2. Circulate well w/9.2#/gal. mud.
3. POOH w/tubing.
4. MI & RU wireline unit. TIH w/wireline set cement retainer and set at +8050'. POOH w/wireline. RD and release wireline unit.
5. TIH w/stinger assembly and tubing. Sting into cement retainer and establish pump in rate.
6. Squeeze Dakota Formation as follows: Pump 150 sx Class "H" cement plus additives and squeeze to a max. pressure of +4000 psi. Unsting from cement retainer and spot 5 sx cement on top.
7. POOH to 6610' and spot a 100' balanced cement plug from 6610' to 6510' (Gallup Formation).

8. POOH to 5370' and spot a 100' balanced cement plug from 5370' to 5270' (Mesa Verde Formation).
9. POOH w/tubing.
10. MI and RU perforating unit. TIH w/3-3/8" perf gun and perf the Picture Cliffs Formation from 3328'-3332' w/2 SPF, 180° phasing. POOH w/perf gun.
11. TIH w/tbg open ended and set at 3378'. Squeeze perms 3328'-3332' w/25 sx Class "H" cement plus additives. Spot a 100' balanced cement plug from 3278' to 3378'.
12. POOH w/tbg.
13. TIH w/3-3/8" perf gun and perf the Fruitland Formation from 3178' to 3182'. POOH w/perf gun.
14. TIH w/tbg open ended and set at 3228'. Squeeze perms 3178' to 3182' w/25 sx Class "H" cement plus additives. Spot a 100' balanced plug from 3128'-3228'.
15. POOH w/tubing.
16. TIH w/3-3/8" perf gun and perf the Ojo Alamo Formation from 2600'-2604'. POOH w/perf gun.
17. TIH w/tbg open ended and set at 2650'. Squeeze perms 2600' to 2604' w/25 sx Class "H" cement plus additives. Spot a 100' balanced plug from 2550'-2650'.
18. POOH w/tbg.
19. TIH w/casing cutter and cut 4-1/2" casing at +600'. POOH w/casing cutter and 4-1/2" casing.
20. TIH w/tbg open ended and spot a 100' balanced cement plug from 550' to 650'.
21. POOH w/tbg.
22. Cut 10-3/4" casing +6' below ground level.
23. Spot a 50' cement surface plug.
24. RD and release pulling unit.

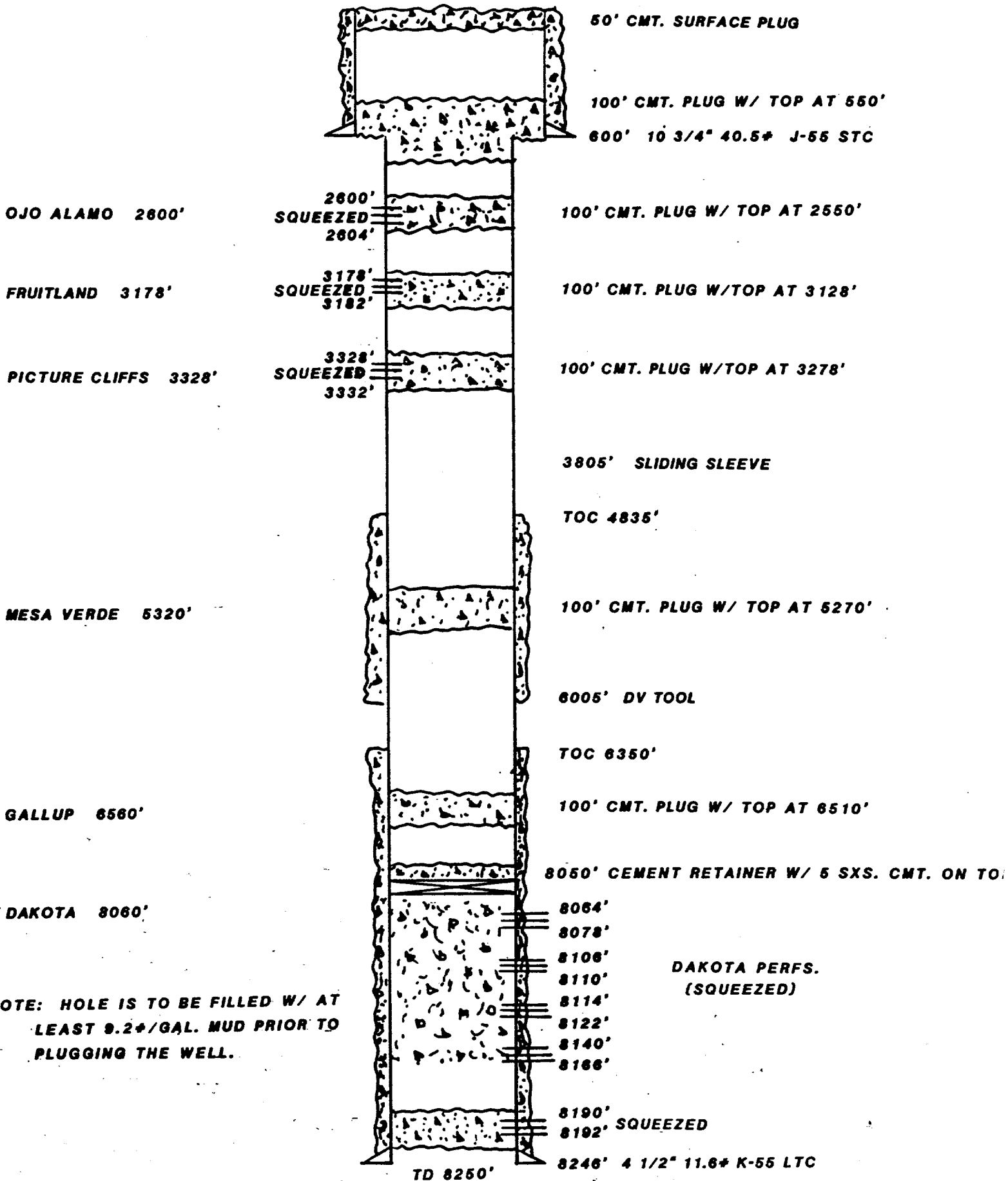
ROSA UNIT #81

PRESENT COMPLETION



ROSA UNIT #81

PROPOSED P&A SCHEMATIC



UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA
1235 LA PLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401

Attachment to Notice of
Intention to Abandon

Re: Permanent Abandonment

Well: 81 Rosa Unit

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal Leases."
2. Mark Kelly with the Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 326-6201.
3. Blowout prevention equipment is required.
4. The following modifications to your plugging program are to be made (when applicable):

- a) Move Pictured Cliffs perms to 3378-3382 (50' below Top)
and squeeze ^{using} 100% excess
- b) move Ojo Alamo ~~to~~ perms to 2650-2654 (50' below Top)
and squeeze using 100% excess.

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

GENERAL REQUIREMENTS FOR
PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES
FARMINGTON RESOURCE AREA

1. Secure prior approval either on a Sundry Notice (Form 3160-5) or verbally from the Fluids Drilling & Production Section at this office before changing the approved plugging program.

2. Plugging equipment used shall have separate mixing and displacement pumps and a calibrated tank to assure proper displacement of plugs. The Operator is responsible for providing all measuring devices needed to assure proper measurement of materials being used.

3. A proper tank or pit will be used to contain all fluids pumped from the well during plugging operations. Unattended pits are to be fenced.

4. All cement plugs are to be placed through tubing (or drillpipe) and shall be a minimum of 100 feet in length with 50% excess inside casing or 100% excess when plug is set in open hole or squeezed into perforations. 15.6#/gal slurry weight is to be used when using class B neat cement or when CaCl_2 is used. Use the recommended slurry weight of other type cements when they are used (Class C, Pozzolan etc.).

5. Any cement plugs placed when well is not full of fluid, or when well may be taking fluid, (i.e. across perms-unless bridge plug or retainer is used, across bad csg., or fresh water formations) will be tagged (touched) after cement has set to verify proper location.

5a. Testing The first plug below the surface plug shall generally be tested by either tagging the plug with the working pipe string, or pressuring to a minimum pump (surface) pressure of 1000 psig, with no more than a 10 percent drop during a 15-minute period (cased hole only). If the integrity of any other plug is questioned, it must be tested in the same manner. Also, any cement plug which is the only isolating medium for a fresh water interval or a zone containing a valuable mineral deposit should be tested by tagging with the drill string.

6. Mud must be placed between plugs. Plugging mud is to be made up with a minimum of 15 lbs/bbl of sodium bentonite, and a nonfermenting polymer. Minimum consistency of plugging mud must be 9 lbs/gal and with a minimum viscosity of 50 sec/qt. Fresh water is to be utilized for mixing mud.

7. Following the placement of a cement plug, the withdrawal rate for at least the length of the cement plug shall not exceed 30 ft/min, in order to minimize the contamination of the plug.

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

9. All permanently abandoned wells are to be marked with a regulation marker (4" pipe extending 4' above the ground line) containing the information as specified in 43 CFR 3162.6(d). Unless otherwise approved.

10. After plugging work is completed the surface is to be rehabilitated in accord with instructions from the Fluids Surface Management Section of the Farmington Resource Area Office.

All above are minimum requirements. The period of liability under the bond of record will not be terminated until the lease is inspected and surface work approved.

Please advise this office when the well location is ready for final inspection.

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.