

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM

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

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

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)

790' FNL & 1730' FWL (NENW)
Sec. 15-T31N-R4W

5. Lease Designation and Serial No.
SF-078892

6. If Indian Allottee or Tribe Name
NA

7. If Unit or CA Agreement Designation
ROSA

8. Well Name and No.
83

9. API Well No.
30-039-22597

10. Field and Pool, or Exploration Area
Basin Fruitland Coal

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

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.)

MITCHELL ENERGY CORPORATION proposes to plug and abandon the Rosa Unit #83 wellbore should recompletion attempts prove to be uneconomical. Attached is the approved procedure for recompletion to the Fruitland Formation and a proposed abandonment procedure to be used after testing of the Fruitland.

RECEIVED
APR 24 1991
OIL CON. DIV.
DIST. 3

SEE ATTACHED FOR
CONDITIONS OF ABANDONMENT

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

Signed James C. Anderson
(This space for Federal or State office use)

Title DISTRICT PRODUCTION MANAGER

APPROVED
AS AMENDED

APR 19 1991

AREA MANAGER

Approved by
Conditions of approval, if any:

Title

RECEIVED
JUN 1 1961
OIL CONT. DIV.
DIST. 3

ROSA UNIT NO. 83.

Proposed Plug & Abandon Procedure

WELL DATA:

Casing: 10-3/4", 40.5#, K-55, ST&C set @ 366'. Cemented w/350 sxs Class "B" cement. Cement was circulated to surface.

4-1/2", 11.5#, K-55 & N-80 LT&C set @ 8453' w/DV tool at 6598' and sliding sleeve at 3781'. Cemented in two stages: 1st stage 225 sxs 50/50 poz. 2nd stage (thru DV tool) 330 sxs 50/50 poz.

Tubing: 2-3/8", 4.7#, J-55, EUE set @ ±3550'

Perfs: 3558'-3536'

PBTD: ±3650'

TD: 8455'

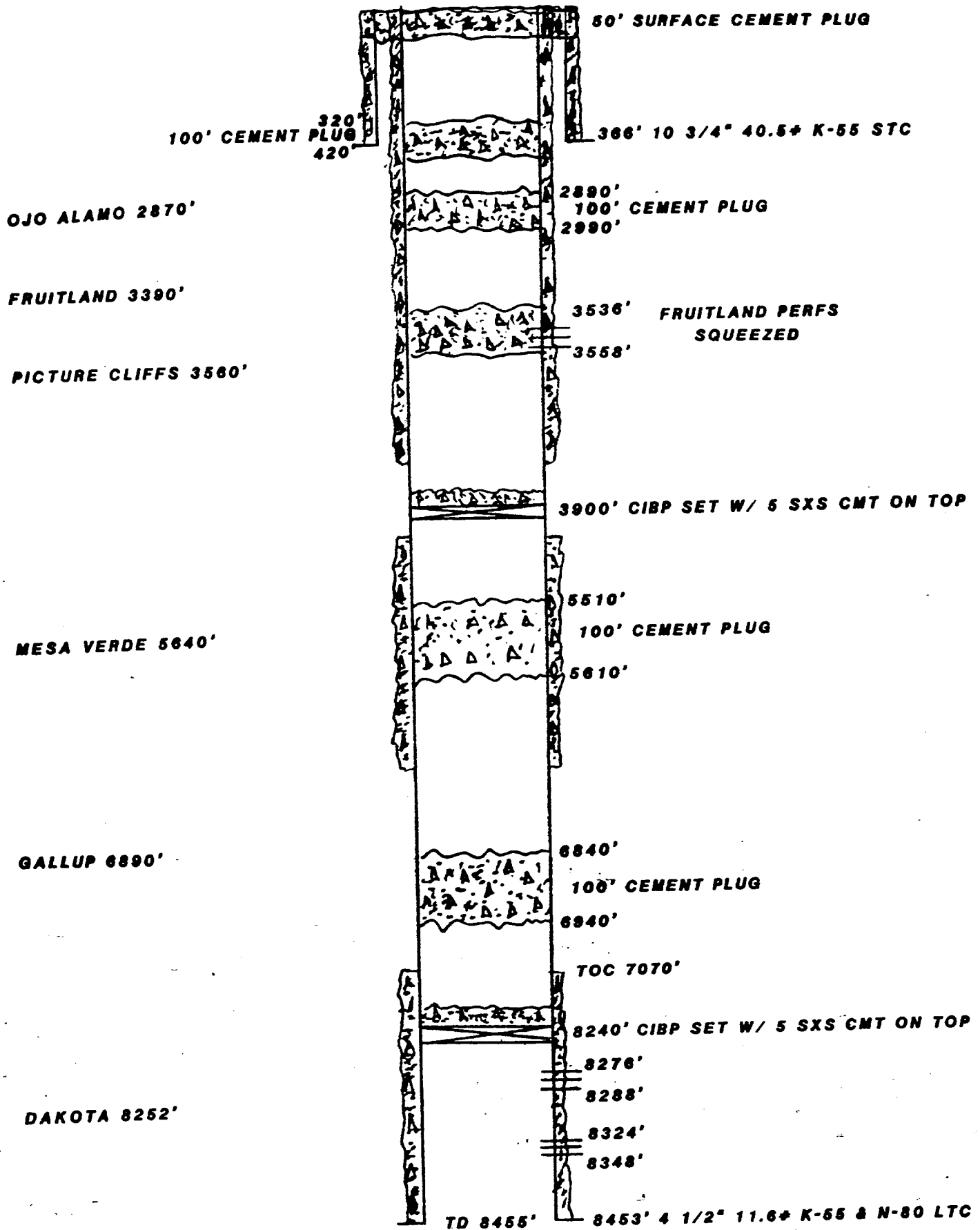
NOTE: Well is to be plugged and abandoned after testing to the Fruitland Formation and showing to be uneconomical.

PROPOSED PROCEDURE:

1. MI & RU pulling unit. Kill well w/9.0#/gal mud.
2. ND tree. NU BOP's.
3. POOH w/tubing and anchor.
4. MU & TIH w/squeeze tool and set at ±3350'.
5. MI & RU cementing unit. Squeeze Fruitland Formation using 250 sxs Class H cement plus additives.
6. Release squeeze tool and reverse out any excess cement. POOH.
7. TIH open ended to 2990' and spot 100' balanced cement plug from 2990' to 2890'.
8. POOH to 420' and spot 100' balanced cement plug from 420' to 320'. POOH.
9. TIH w/casing cutter and cut 4-1/2" casing and 10-3/4" casing ±10' below ground level. POOH.
10. Spot 50' cement surface plug.
11. RD & release pulling unit.

ROSA UNIT #83

PROPOSED P & A SCHEMATIC



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

91 APR 18 PM 2:05

5 Lease Designation and Serial No.

SF-078892

6 If Indian, Allottee or Tribe Name

SUNDRY NOTICES AND REPORTS ON WELLS

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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 Seventeenth Street - Suite 3500, Denver, CO 80202

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

790' FNL & 1730' FWL (NENW)
Sec. 15-T31N-R4W

7 If Unit or CA Agreement Designation

Rosa Unit

8 Well Name and No.

83

9 API Well No.

30-039-22597

10 Field and Pool, or Exploration Area
Basin Fruitland Coal
Gas Pool

11 County or Parish, State

Rio Arriba, New Mexico

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

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☐ Plugging Back
☐ Casing Repair
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☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ 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 matters and zones pertinent to this work.)

SEE ATTACHED.

NMOC approval for the unorthodox Location is required.

No New Surface Disturbance.

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

Signature James C. Anderson
(This space for Federal or State office use)

Title DISTRICT PRODUCTION MANAGER

APPROVED

AS AMENDED

06/09/1990

AREA MANAGER

Approved by _____
Conditions of approval, if any: _____

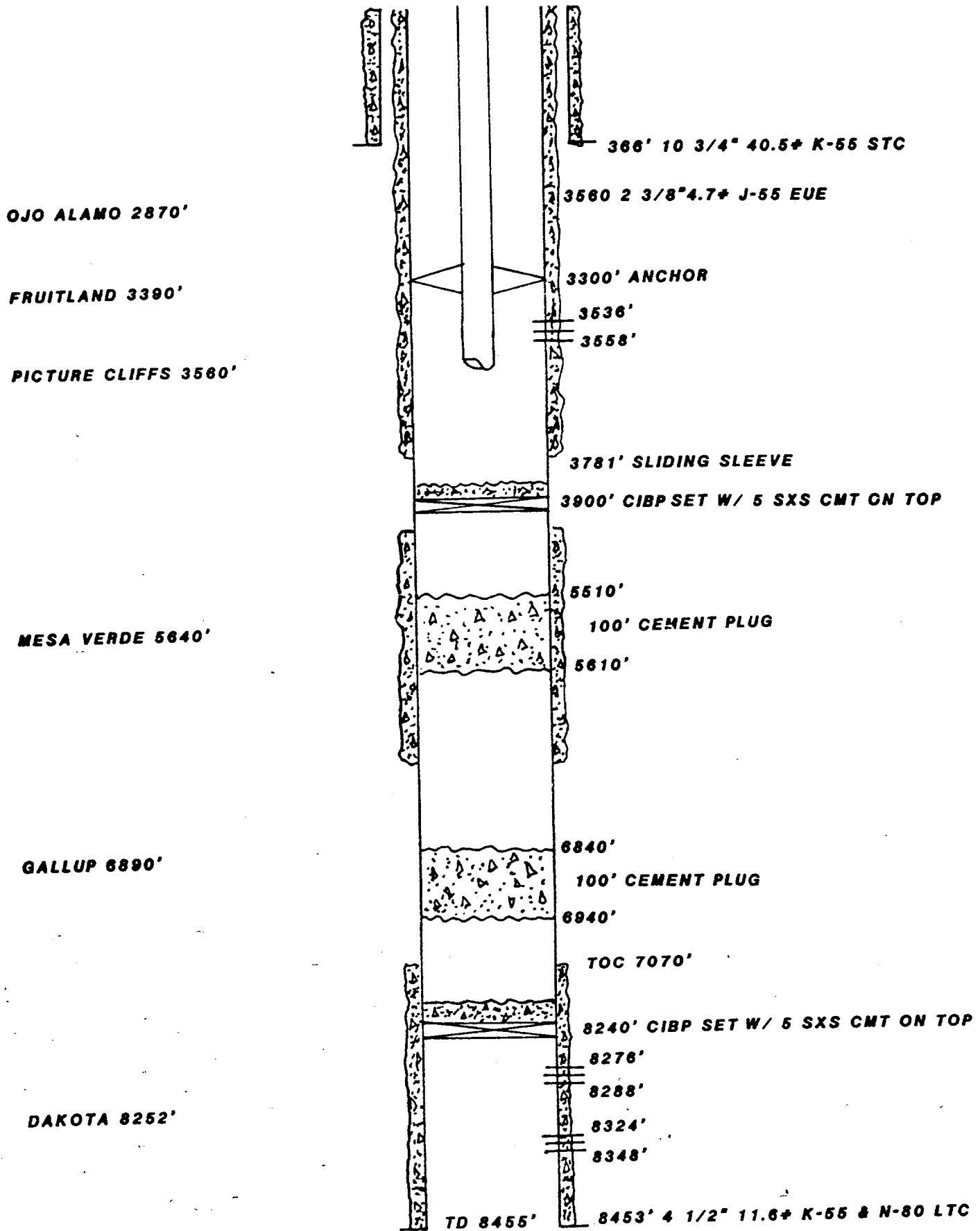
Title _____

Mitchell Energy Corporation will attempt to recomplete the Rosa Unit No. 83 well from the Dakota Formation into the Fruitland Formation. The proposed procedure for the recompletion is as follows:

1. MI & RU pulling unit. ND wellhead & NU BOP's.
2. TIH w/tbg to $\pm 8200'$ & circ hole w/9.0#/gal mud.
3. Spot 100' cement plugs while POOH from 6840'-6940' (Gallup Formation) & ~~5590'-5690'~~ (Mesa Verde Formation). POOH.
5510 - 5610
4. TIH w/CIBP & set @ $\pm 3900'$ & dump 5 sxs cement on top.
5. TIH w/perforating gun & perf from 3650'-3652' w/4 SPF for squeeze.
6. TIH w/squeeze tool & attempt to circ from perfs @ 3652' to surface. If able to circ then cement 4-1/2" csg from 3658' to surface. If unable to circ squeeze perfs 3650'-3652' w/ ± 100 sxs cement. Also perf from $\pm 3510'$ -3512' & also squeeze w/100 sxs cement. POOH. *It is required that the annular interval from 2890' to 3120' be cemented. (Ojo Alamo 2940' to 3068')*
7. TIH w/CBL-GR Logging tool & log from PBTD ($\pm 3850'$) to surface.
8. TIH w/perf gun & perf Fruitland Formation from ~~3591'-3594'~~ *P.C.* & 3558'-3536'.
9. Flow test & swab if needed.
10. If necessary, fracture stimulate the Fruitland Formation using approximately 65,000 gals of gelled fluid & $\pm 150,000$ lbs sand.
11. Install production equipment.
12. Begin production of well.

ROSA UNIT #83

PROPOSED SCHEMATIC



IN REPLY REFER TO
(019)

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

Re: Permanent Abandonment

Intention to Abandon

Well: 83 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) Bring Fractured Plug up to 3018'

b) You are required to place cement outside 4 1/2" casing across any ~~interval~~ interval where a plug is being placed inside the 4 1/2" casing.

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.