

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)

1850' FSL & 1550' FWL (NESW)
Sec. 9-T31N-R4W

5. Lease Designation and Serial No

SF-078888

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or C.A. Agreement Designation

Rosa

8. Well Name and No.

82

9. API Well No.

30-039-22667

10. Field and Pool, or Exploratory 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 #82 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

SPL ATTACHED FOR
CONDITIONS OF APPROVAL

APPROVED

AS AMENDED

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

Signature JAMES C. ANDERSON

Title District Production Manager

Date 4/12/91

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

AREA MANAGER

RECEIVED
JUN 15 1961
OIL CONT. DIV.
DIST. 3

ROSA UNIT NO. 82

Proposed Plug & Abandon Procedure

WELL DATA:

Casing: 9-5/8", 36#, J-55, ST&C set @ 529'. Cemented w/700 sxs Class "B" cement. Cement was circulated to surface.

4-1/2", 11.6#, K-55 & N-80 LT&C set @ 8359' w/DV tool at 6158' and sliding sleeve at 3952'. Cemented in two stages: 1st stage 480 sxs 50/50 poz. 2nd stage (thru DV tool) 540 sxs 50/50 poz.

Tubing: 2-3/8", 4.7#, J-55, EUE set @ ±3500'

Perfs: 3464'-3484' (Fruitland Formation)

PBTD: ±3650'

TD: 8361'

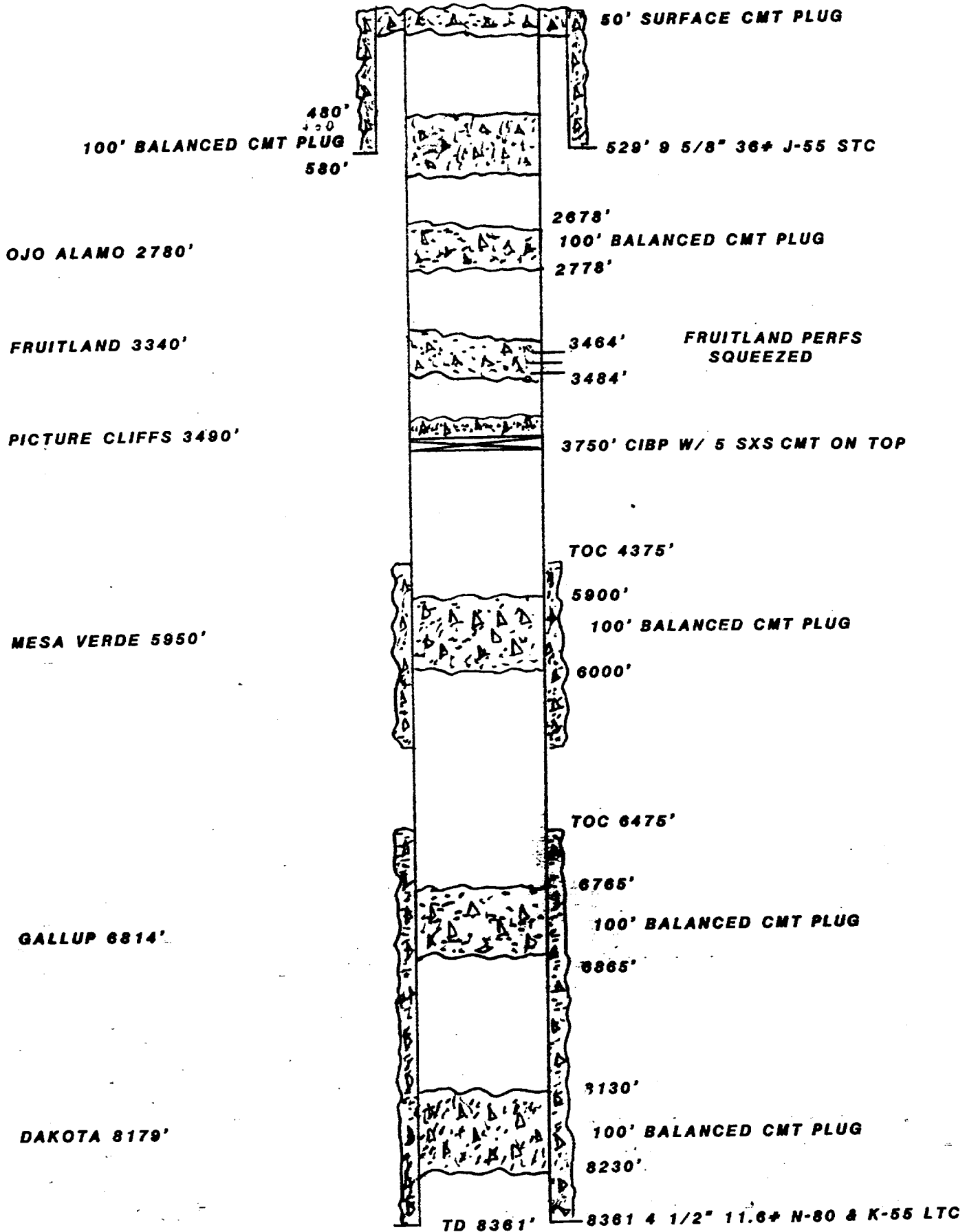
NOTE: Well is to be plugged and abandoned after testing the Fruitland Formation and shown to be uneconomical.

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 ±3400'.
5. MI & RU cementing unit. Squeeze Fruitland Formation using 250 sxs Class H cement plus additives.
6. Release squeeze tool and and reverse out any excess cement. POOH.
7. TIH open ended to 2778' and spot 100' balanced cement plug from 2778' to 2678'.
8. POOH to 580' and spot 100' balanced cement plug from 580' to 480'. POOH.
9. TIH w/casing cutter and cut 4-1/2" casing and 9-5/8" casing ±10' below ground level. POOH.
10. Spot 50' cement surface plug.
11. RD & release pulling unit.

ROSA UNIT NO.82

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

SUNDRY NOTICES AND REPORTS ON WELLS

91 APR 18 PM 12:04

2: Base Designation and Serial No.
SF-078888

Indian Allotment or Tribe Name
NA

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for GCA 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 Seventeenth Street - Suite 3500
Denver, CO 80202 (303) 292-4455

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

1850' FSL & 1550' FWL of Sec. 9-T31N-R4W

7. If Unit or CA Agreement Designation

Rosa Unit

8. Well Name and No.

82

9. API Well No.

30-039-22667

10. Field and Pool, or Exploratory 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
☐ 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 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.)

SEE ATTACHED

*This approval is contingent upon Forest Service
approval of access roads and Surface Disturbance.*

Note Procedure change

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

Signed James C. Anderson

Title District Production Manager

ACCEPTED FOR RECORD

Date 2/11/91

(This space for Federal or State office use)

FEB 25 1991

Approved by _____
Conditions of approval, if any:

Title _____

FARMINGTON RESOURCE AREA

for See name

OPERATOR

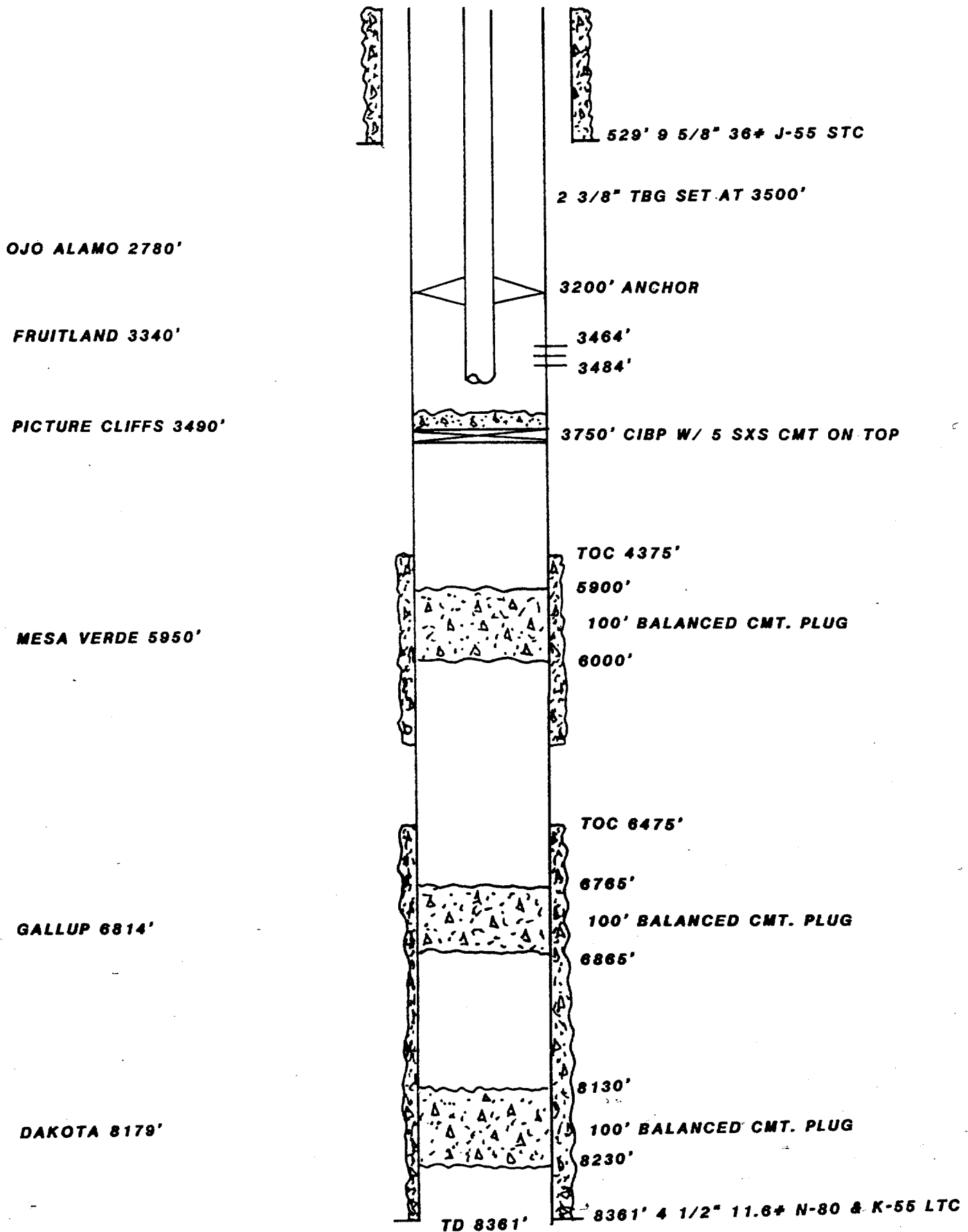
Mitchell Energy Corporation will attempt to complete the Rosa Unit No. 82 well into the Basin Fruitland Coal Gas Pool. The proposed procedure for the completion is as follows:

1. MI & RU pulling unit. ND wellhead & NU BOP's.
2. TIH w/bit & scraper & drill out DV tool & clean well to $\pm 8300'$.
3. Circulate hole w/9.0#/gal mud.
- ★ 4. Spot 100' balanced cement plugs from 8230' to 8130' (Dakota Formation), ~~6875'~~, ~~6765'~~, (Gallup Formation) and ~~6000'~~, ~~5900'~~, ~~6755'-6655'~~ *5505'-5405'* (Mesa Verde Formation).
5. TIH w/CIBP and set @ $\pm 3750'$ and dump 5 sxs cement on top.
6. TIH w/perforating gun & perforate from 3650'-3652'.
7. TIH w/squeeze tool & attempt to circulate from perfs at 3650' to surface. If able to circulate then cement 4-1/2" casing w/ ± 2500 sxs Class B cement plus additives from 3650' to surface. If unable to circulate then will perforate from ~~2778'~~, ~~2780'~~ and circulate cement from 3650' to ~~2778'~~ *2728'* (50' above Ojo Alamo).
8. ~~2728'-2730'~~ Clean out excess cement & pressure test casing to 4000 psi.
9. Perforate Fruitland Formation from 3464' to 3484'.
10. Swab & flow test well if possible.
11. If necessary, fracture stimulate the Fruitland Formation using approximately 65,000 gals of gelled fluid and 150,000 lbs of sand.
12. After frac flow test well.

★ The 100' cement Plugs are to be calculated utilizing 50 23 excess.

ROSA UNIT #82

PROPOSED 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

Re: Permanent Abandonment

Intention to Abandon

Well: 82 Rosa Uno

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) place the Gallup plug from 6754-6654 + 50% excess

b) place the Mesaville plug from 5505-5404 + 50% excess

c) Bring the Fruitland plug up to 3290' inside & outside 4 1/2" casing

d) place Ojo Alamo plug from 2890-2790 inside & outside 4 1/2" + 100% excess

e) place Surface casing shoe from 580-480 inside & outside 4 1/2" + 100% excess

f) Surface plug is to be set inside & outside 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 perfs-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.