

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

SF-078566A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Howell

9. WELL NO.

10

10. FIELD AND POOL, OR WILDCAT

S. Blanco Pictured Clif

11. SEC., T., R., M., OR BLM. AND

SURVEY OR AREA
Sec. 35, T28N, R8W

12. COUNTY OR PARISH

San Juan

13. STATE
NM

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Meridian Oil Inc.

3. ADDRESS OF OPERATOR

P.O. Box 4289 Farmington, New Mexico 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface 705'N, 1900'W

14. PERMIT NO.

15. ELEVATIONS (Show whether OF, BT, GR, etc.)

6216'GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON*

CHANGE PLANS

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

SUBSEQUENT REPORT OF:

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. 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 perti-
nent to this work.) *

This well was originally approved as a Fruitland Coal Recompletion. However, due to
bad casing @ 194' it will be plugged and abandoned.

Verbal approval was obtained from Steve Mason on 11/13/89 @ 8:50 am using the following
procedures: Tih to PBTD @ 2777', spot 35 sx of class "B" cmt thru tubing to cover Ojo
Alamo top inside casing (2777-1515'). RU WL tag top of plug, perforate sqz
holes @ 200'. Tih and spot 39 sxs thru tubing to cover from plug top to 20
Tooh laying down workstring. Pump down casing to establish circulation
through bradenhead. Circulate 60 sxs of class "B" cmt down 2 7/8" casing
and up through bradenhead. Cut off wellhead and install P&A marker. Clea
and reseed location.

Procedure & Diagram attached.

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NOV 22 1989

OIL CON. DIV
DIST. 3

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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

SIGNED

U.S. Smith

TITLE

Regulatory Affairs

DATE

11-13-89

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

STEPHEN MASON

*See Instructions on Reverse Side

NMOCD

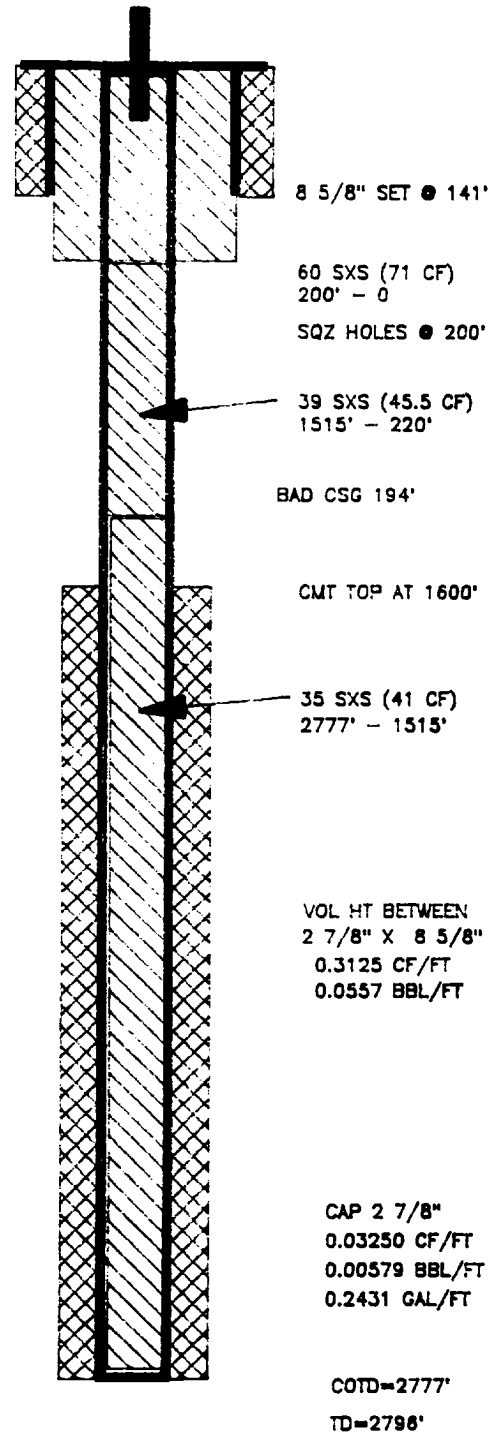
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the
United States any false, fictitious or fraudulent statements or claims.

PLUG & ABANDONMENT PROCEDURE
HOWELL #10

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NOV 1988
CULLEN DIV
11/1/88

1. Notify the BLM 48 hours before starting P&A operations.
2. TIH with open ended tubing to PBTD.
3. RU cementers, spot 35 sxs (41 cf) of class B cmt thru tubing to cover Ojo Alamo top inside casing. Plug should cover from PBTD to 1515'. TOOH laying down portion of workstring.
4. RU wireline unit, tag cmt top w/sinker bar, perforate sqz hole at 200'. RD and release wireline unit.
5. TIH to plug top, pump 39 sxs (45.5 cf) of class B cmt thru tubing to cover from 1515 to 220'. TOOH laying down workstring.
6. Pump down csg with water to establish circulation through braden head.
7. Mix and pump 60 sxs (71 cf) class B cmt down casing. This will fill casing and 2 7/8" x 8 5/8" csg annulus.
8. Cut off well head and install P&A marker. RD and release rig.
9. Clean up location and reseed as required by BLM.

P & A DIAGRAM



BUREAU OF LAND MANAGEMENT
1235 La Plata Highway
Farmington, New Mexico 87401
Phone (505) 327-5344

Attachment to Notice of
Intention to Abandon

Re: Permanent Abandonment
Well: 10 Howe //

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) 327-5344.
3. Blowout prevention equipment is required.
4. The following modifications to your plugging program are to be made (when applicable):

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

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OIL CON. DIV.
DIST

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.

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