

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well GAS	5. Lease Number NM-015150 6. If Indian, All. or Tribe Name 7. Unit Agreement Name
2. Name of Operator Meridian Oil Inc.	8. Well Name & Number Blanco #18 9. API Well No.
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	10. Field and Pool S. Blanco Pic. Cliff 11. County and State San Juan County, NM
4. Location of Well, Footage, Sec., T, R, M 1550' FSL, 850' FEL, Sec. 36, T-28-N, R-8-W, NMPM	

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

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

13. Describe Proposed or Completed Operations

After a failed attempt to repair the casing, the subject well will be plugged and abandoned as per the attached procedure. Verbal approval was received from Wayne Townsend to proceed with plugging operations on March 30, 1992 as indicated on the procedure.

RECEIVED
APR 7 1992
OIL CON. DIV. 1
DIST. 3
SEE ATTACHED FOR
CONDITIONS OF APPROVAL

RECEIVED
BLM
APR 31 PM 2:28
BLM, N.M.

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

Signed [Signature] (DB) Title Regulatory Affairs Date 3-31-92
 (This space for Federal or State Office use)
 APPROVED BY _____ Title NMOCD Date APR 06 1992
 CONDITION OF APPROVAL, if any: _____ AREA MANAGER

Blanco #18
Pictured Cliffs
SE/4 Sec.36, T28N, R08W

Plug and Abandon Procedure

Contact Mark Kelly, BLM @ 326-6201 prior to proceeding with P & A.

P & A Cement Requirements:

- 160 sx / 190 ft³ Class "B" neat, 15.6 ppg, 1.18 ft³/sk, 5.2 gal/sk.

Perforating Requirements:

- 2 squeeze holes @ 189'.

A casing leak has been verified from 2051' to 1318'. In this interval the casing would not hold pressure when tested between a bridge plug and packer. After testing to 1318', the casing could not be reentered below 1600' with the bridge plug (2.218" ID). Due to the poor condition of the casing and risk involved with any attempt to repair, the well will be plugged and abandoned as follows.

Procedure:

1. TIH open-ended with 1 1/4" 2.33# IJ Tubing to 2830'. Spot cement plug and pull DP to top of plug. Four plugs in +/-600' increments as follows:

Interval	Length	Volume	Cement	Excess
2830' - 2200**	630'	25.6 ft ³	22 sx	25%
2230' - 1630'	600'	24.4 ft ³	21 sx	25%
1630' - 1000'	600'	24.4 ft ³	21 sx	25%
1000' - 240**	760'	24.7 ft ³	21 sx	0%

*After first plug, pull a minimum of 1000' above top of plug. Wait on cement a minimum of six hours. Trip in hole and tag top of plug to verify plug depth. Proceed with spotting additional plugs from top of first plug.

**After fourth plug, pull one stand (60') and reverse out. TIH and tag cement top to verify plug depth.

Adjust cement volumes as needed for depth and volume requirements.

2. TOH with 1 1/4" tubing. RU wireline and perforate two squeeze holes at 190'. RD wireline.
3. Establish rate through squeeze holes. Cement thru 2 7/8" casing to circulate bradenhead with 57 sx (67.4 ft³ for 189' inside/out plug to surface, est. 30% excess). Circulate until cement returns thru open bradenhead.
4. Release rig. Cut-off wellhead and install permanent dry-hole marker.

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: 18 Blanco

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):

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 withdrawl 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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