

Form 3160-5  
(June 1990)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**CONFIDENTIAL**FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993**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

MERRION OIL &amp; GAS CORPORATION

## 3. Address and Telephone No.

P. O. Box 840, Farmington, NM 87499 505-327-9801

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

990' FNL & 330' FEL  
Section 35, T21N, R8W

## 5. Lease Designation and Serial No.

NM-66596

## 6. If Indian, Allottee or Tribe Name

## 7. If Unit or CA, Agreement Designation

## 8. Well Name and No.

Firerock 1

## 9. API Well No.

30-045-28642

## 10. Field and Pool, or Exploratory Area

Wildcat, Broken Bow, N.M.

## 11. County or Parish, State

San Juan, 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

## TYPE OF ACTION

☐ Abandonment☐ Recompletion☐ Plugging Back☐ Casing Repair☐ Altering Casing☒ Other P&A☐ Change of Plans☐ New Construction☐ Non-Routine Fracturing☐ Water Shut-Off☐ Conversion to Injection☐ Dispose Water

(Note: Report results of multiple completions 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.)

Request approval to P&amp;A as follows:

Cement Yield: 1.18 cf/sx

100% Excess

No	Formation	Top	From	To	Size Hole	CuFt	Sx	Sx
1	Entrada	5,649 ft	5,770 ft	5,599 ft	8.75	71	61	121
2	Morrison	4,806 ft	4,856 ft	4,756 ft	8.75	42	35	71
3	Dakota	4,474 ft	4,524 ft	4,424 ft	8.75	42	35	71
4	Gallup	3,140 ft	3,190 ft	3,090 ft	8.75	42	35	71
5	Mancos	2,600 ft	2,650 ft	2,550 ft	8.75	42	35	71
6	Mesaverde	850 ft	900 ft	800 ft	8.75	42	35	71
7	Pictured Cliffs/ Surface shoe	289 ft	339 ft	200 ft	8.75	58	49	98
8	Surface	0 ft	50 ft	0 ft	8.84	21	18	36
Total						360	305	609

(PER VERBAL APPROVAL FROM MR. WAYNE TOWNSEND ON 12-20-91)

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

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

Signed Steven S. DavidTitle Operations ManagerDate 1-10-92

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Conditions of approval, if any: \_\_\_\_\_

Title \_\_\_\_\_

Date

JAN 27 1992

AREA MANAGER

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly  
or representations as to any matter within its jurisdiction.

to make to any department or agency of the United States a:

fictitious or ...

ents

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: 1 Frerock

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  $\text{CaCl}_2$  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.