

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Budget Bureau No. 1004

Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL

NM 4953

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal 15

9. WELL NO.

10. FIELD AND POOL OR WILDCAT

Papers Wash Entrada

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 15, T19N, R5W

12. COUNTY OR PARISH 13. STATE

McKinley

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

Merrion Oil & Gas Corporation

3. ADDRESS OF OPERATOR

P. O. Box 840, Farmington, N.M. 87499

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

2210' FNL and 1650' FWL

RECEIVED

JUN 28 1989

OIL CON. DIST

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, OR, etc.)

6600' K.B.

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 COMPLETE

ABANDON\* P & A

CHANGE PLANS

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Change of plans

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

X

(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 pertinent to this work.)

After further study Merrion Oil & Gas has concluded a better course of action would be to plug the Federal 15 No. 1 well and drill another on the same lease to establish Mesaverde production. (This concept has been verbally approved by Mr. Steve Mason of Farmington BLM Office)

Therefore, Merrion requests approval to plug and abandon the Federal 15 No. 1 well as follows: (Wellbore Schematic enclosed)

- Spot 40 sx (47 ft<sup>3</sup>) from 1,438' to 1,225' to place cement across existing perms and 50 ft. above.
- Fill hole w/ drilling mud.
- Spot 25 sx (30 cu ft) plug from 275' to 140' to cover surface casing shoe.
- Tie onto Bradenhead and pump 77 sx (91 cu ft) to cover casing show in annulus from 275' to surface.
- Spot 10 sx surface plug. Erect dry hole marker.
- No casing will be recovered because this well may be re-entered at a later date and used for an enhanced recovery project in the Entrada formation.
- The location will be reclaimed as required by the BLM.

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

SIGNED

Steven S. Dunn

TITLE Operations Manager

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

APPROVED

DATE 5/26/89

JUN 28 1989

DATE

FOR AREA MANAGER  
FARMINGTON RESOURCE AREA

\*See Instructions on Reverse Side

\* MERRION OIL & GAS \*

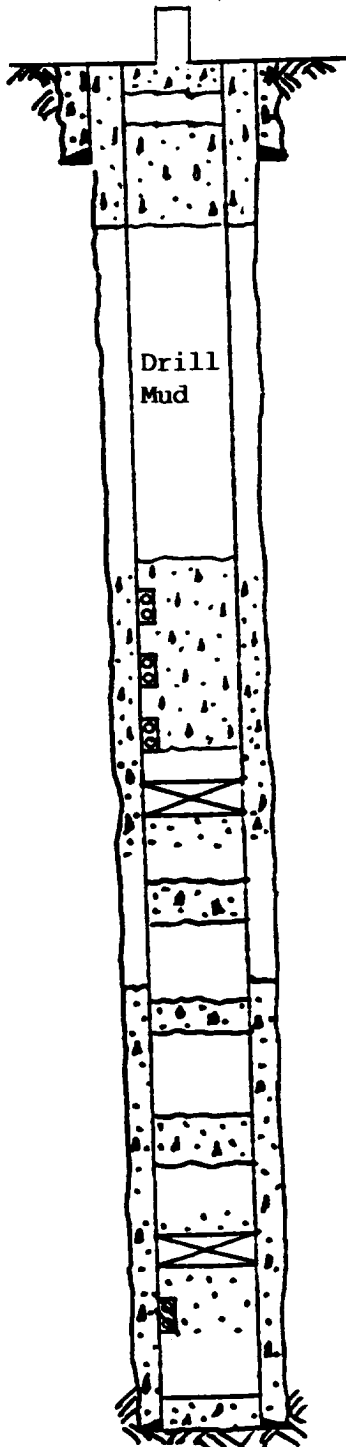
WELLBORE SCHEMATIC

PROPOSED P&A WELL

Well: Federal 15 No 1  
Field: Papers Wash

Location: 2210'FNL & 1650'FWL  
Sec. 15, T19N, R6W  
Mckinley Co, New Mexico

Elevation: 6,600' KB  
6,588' GL



TOC @ Surface

Bit Size - 12 1/4"

10 sx surface plug

10 3/4" 40.5#Surface @ 224' KB w/ 200sx

25 sx - 140' - 275'

77 sx - annulus

Tops	Depth
Lewis	Surface
La Ventana	492
Menefee	770
Pt Lookout	1,995
Gallup	2,928
Dakota	4,140
Entrada	5,161

Mesaverde Perfs:

1,274'-80'

1,376'-86'

1,430'-38'

40 sx plug 1,225' - 1,438'

7" Retainer@ 1,450'w/100sx

Sqz Holes (4) @ 1,470'

Cement Plug 1,564'-1,850'

TOC @ 2,794' (cbl)

Cement Plug 2879'-2979' Gallup

Hole size - 8 3/4"

Cement Plug 4,090-4,306' cover Dakota-Morrison

10sx on top of retainer

7" Retainer @ 5,101'KB w/50sx

ENTRADA Perfs: 5,160'-69' 2pf (Sqzd)

7" 23# Casing @ 5,390'KB w/ 600sx

TD @ 5,390' KB

Well Equipment

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: 1 Federal 15

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.

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.