

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

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 <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NOO-C-14-20-5379	
2. NAME OF OPERATOR Merrion Oil & Gas Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P. O. Box 840, Farmington, New Mexico 87499		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2310' FS1 & 330' FEL		8. FARM OR LEASE NAME Navajo Allotted 16	
14. PERMIT NO.		9. WELL NO. 1	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6603' KB		10. FIELD AND POOL, OR WILDCAT Papers Wash Entrada	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 16, T19N, R5W	
		12. COUNTY OR PARISH McKinley	13. STATE New Mexico

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\* ☒  
CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐  
FRACTURE TREATMENT ☐  
SHOOTING OR ACIDIZING ☐  
(Other) ☐

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 pertinent to this work.)\*

Attached is a plugging procedure for your approval. We were in the process of temporarily abandoning the well. Unfortunately, we set a bridge plug above the perfs and pressure tested the casing only to discover a casing leak. The well is uneconomic even without having to repair the casing leak. Therefore, our only option is to plug the well.

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

RECEIVED  
MAY 29 1990  
OIL CON. DIV.  
DIST. 3

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

SIGNED

George F. Sharpe

TITLE Reservoir Engineer

DATE 5/10/90

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

NMOCD

\*See Instructions on Reverse Side

APPROVED	
MAY 11 1990	
DATE	
Ken Townsend	
FOR AREA MANAGER	
FARMINGTON RESOURCE AREA	

MERRION OIL & GAS CORPORATION

NAVAJO ALLOTTED 16 NO. 1

ABANDONMENT PROCEDURE

LOCATION: 2310' FSL & 330' FEL ELEVATION: 6603' KB  
Section 16, T19N, R5W 6591' GL  
McKinley County, New Mexico

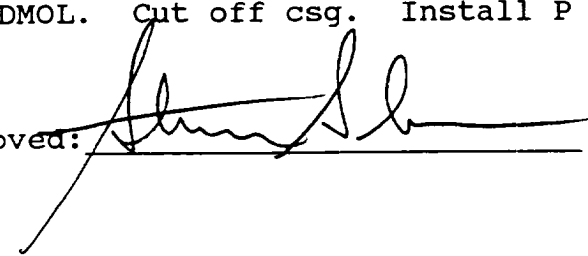
PREPARED BY: George F. Sharpe DATE: 5/10/90

1. RIH w/ workstring and tag CIBP @ 5,130'. Roll hole w/ 9.0 ppg mud.  
Spot following cement plugs:

<u>Formation</u>	<u>Top</u>	<u>Perfs</u>	<u>Cement Sacks</u>	<u>Cmt Plug</u>	<u>Comments</u>
Entrada	5183'	5185'-90'	8	5130'-5075'	CIBP @ 5130'
Morrison	4290'		40	4340'-4063'	
Dakota	4162'				
Gallup	2930'		25	2980'-2807'	
Mesaverde	502'		25	552'-379'	
Csg. Shoe	211'		25	261'-88'	
Surf Plug			8	50'-0'	
Csg Annulus			6	50'-0'	

\* All cement to be Class "G" with 50/50 Poz and 6% gel; yield = 1.57 ft<sup>3</sup>/sx.

2. RDMOL. Cut off csg. Install P & A marker. Restore location.

Approved: 

Date: 5/10/90

ELEVATION: 6591' GL  
6603' KB

LOCATION:

2' FSL & 330' FEL  
Sec. 16, T19N, R5W  
McKinley County, New Mexico

9-5/8", 36 #/ft. K-55  
surface casing cmt'd  
w/ 200 sx 'B' - TOC @ surface

211'

PRODUCTION CASING:  
7", 20 & 23 #/ft, K-55

Cmt'd w/ 1st stage - 330 sx  
BJ Lite, 100 sx 'B'; 2nd  
stage - 370 sx BJ Lite,  
50 sx 'B' - TOC @ surface

TOC - Above DV Tool by calculation  
(725 ft' slurry)

ENTRADA PERFS:  
5185' - 90' (2JSFF)

PBTD: 5264'

TD: 5393'

3-1/2", 9.3 #/ft, J-55  
tubing @ 3155' KB

REDA G59E DSP REDA G110  
2230' KB 86310  
3230' (1000' of 1111)

120 HP motor  
DV Tool @ 2706' KB (1295V,  
59A)

Lynes external csg  
packer @ 2798' KB

7" capacity = .2273 ft<sup>3</sup>/ft

7" - 9 5/8" annulus = .1668 ft<sup>3</sup>/ft

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 Navajo A/located 16

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 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.