

Distribution: O+4 (BLM); 1-Accounting; 1- Crystal; 1-File

Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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**

RECEIVED  
SEP 14 1998  
OIL CON. DIV.  
DIST. 3

5. Lease Designation and Serial No.  
**NOOC-14-20-5377**

6. If Indian, Allottee or Tribe Name  
**Navajo Allotted**

Unit or CA, Agreement Designation  
**Papers Wash Unit**

Well Name and No.  
**PWU No. 5**

9. API Well No.  
**30-031-20510**

10. Field and Pool, or Exploratory Area  
**Papers Wash Entrada**

11. County or Parish, State  
**McKinley County,  
New Mexico**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
**Merrion Oil & Gas Corporation (14634)**

3. Address and Telephone No.  
**610 Reilly Avenue, Farmington, NM 87401-2634 (505) 327-9801**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**890' fsl & 1650' fwl (se sw)  
Section 15, T19N, R5W**

12. CHECK APPROPRIATE BOX (s) TO INDICATE NATURE OF NOTICE, REPORT, OR 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 Notice	<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 _____	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on 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.)\*

Merrion Oil & Gas proposes plug and abandon the subject wellbore according to the attached procedure.

SEP 27 PM 12:30  
OIL CON. DIV. NM

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

Signed Connie S. Dinning Title Contract Engineer Date 8/26/98

(This space for Federal or State office use)

Approved By /s/ Duane W. Spencer Title \_\_\_\_\_ Date SEP - 8 1998

Conditions of approval, if any:

## PLUG & ABANDONMENT PROCEDURE

7-27-98

**Papers Wash Unit #5**  
Papers Wash Entrada/Gallup  
890' FSL & 1650' FWL / SW, Section 15, T-19-N, R-5-W  
McKinley Co., New Mexico

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

1. Install and test rig anchors. Prepare blow pit. Comply with all NMOCD, BLM and Merriam safety rules and regulations.
2. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line to blow well down; kill with water as necessary. ND wellhead and NU BOP and stripping head; test BOP.
3. PU on tubing and release Baker Model "D" retrievable packer. TOH and LD 4-1/2" tubing (10.5#, K-55 with F-nipple on bottom, total 2560') and packer. PU 2-3/8" workstring.
4. **Plug #1 (Entrada perforations and top, 5131' – 5031')**: TIH with open ended tubing workstring and tag cement retainer at 5131', or as deep as possible. If tag is above 5031', then proceed to plug #2. If tag is below 5031' then, pump 20 bbls down tubing. Mix and spot sufficient cement to cap CR at 5131' with 50' of Class B cement. TOH to 4161'.
5. **Plug #2 (Dakota top, 4161' – 4061')**: Mix 28 sxs Class B cement and spot a balanced plug inside casing to cover Dakota top. TOH with tubing.
6. **Plug #3 (Gallup perforations and top, 2875' - 2775')**: Set 7" wireline bridge plug at 2875'. TIH with open ended tubing workstring and tag CIBP. Load casing with water and circulate clean. Pressure test casing to 500#. Mix 28 sxs Class B cement and spot a balanced plug inside casing above the CIBP to isolate Gallup perforations and cover top. If casing does not test, then spot or tag subsequent plug as appropriate. POH to 2006'.
7. **Plug #4 (Point Lookout top, 2006' – 1906')**: Mix 28 sxs Class B cement and spot a balanced plug inside casing to cover Point Lookout top. POH to 512'.
8. **Plug #5 (La Ventana top, 512' – 412')**: Mix 28 sxs Class B cement and spot a balanced plug inside casing to cover La Ventana top. POH to 254'.
9. **Plug #6 (9-5/8" Surface Casing at 204')**: Mix 50 sxs Class B cement and spot a balanced plug from 254' to surface, circulate good cement out casing valve. TOH and LD tubing. Shut in well and WOC.
10. ND BOP and cut off casing below surface. Install P&A marker with cement to comply with regulations. RD, Move off location, cut off anchors and restore location.

# Papers Wash Unit #5

Proposed P & A

Papers Wash Entrada/Gallup

SW Section 15, T-19-N, R-5-W, McKinley County, NM

Today's Date: 7/27/98

Spud: 6/19/77

Completed: 8/11/77

Elev: 6553' GL  
6565' KB

12-1/4" Hole

LaVentana @ 462'

Point Lookout @ 1956'

Gallup @ 2895'

Dakota @ 4111'

Entrada @ 5160'

8-3/4" Hole

TD 5392'

Cement Circulated to Surface

9-5/8" 36 # Csg set @ 204'

200 sxs cement (Circulated to Surface)

**Plug #6** 254' - Surface  
Cmt with 50 sxs Class B

**Plug #5** 512' - 412'  
Cmt with 28 sxs Class B

**Plug #4** 2006' - 1906'  
Cmt with 28 sxs Class B

DV Tool @ 2669'  
Cmt w/475 sxs, circulated surface  
TOC @ DV tool, circulated

**Plug #3** 2875' - 2775'  
Cmt with 28 sxs Class B

Set CIBP @ 2875'

Gallup Perforations:  
2925' - 2982', 3002' - 3096',  
3110' - 3192'

**Plug #2** 4161' - 4061'  
Cmt with 28 sxs Class B

**Plug #1** 5131' - 5031'  
Cmt with 28 sxs Class B

Cement Rt @ 5131' (Jul '77)

Entrada Perforations:  
5156' - 5163', squeeze with 45 sxs cmt.

7" 20 & 23#K-55 Casing set @ 5342'  
Cmt with 485 sxs

PBTD 5275'

# Papers Wash Unit #5

Current

Papers Wash Entrada/Gallup

SW Section 15, T-19-N, R-5-W, McKinley County, NM

Today's Date: 7/27/98

Spud: 6/19/77

Completed: 8/11/77

Elev: 6553' GL  
6565' KB

12-1/4" Hole

Cement Circulated to Surface

9-5/8" 36 # Csg set @ 204'  
200 sxs cement (Circulated to Surface)

## Workover History

Aug '81: Re-perf Gallup zone from 2925' to 3157'. Replace tbg head, POH 4-1/2" plastic lined tubing, mill out Baker packer and fish out of hole, clean out hole to 3362', run packer and new 4-1/2" tubing to 2560'.

Sept '90: Attempt MIT; failed, leak 20# in 1 min, tbg head assembly leaking, replace packing, PT OK, pass MIT.

LaVentana @ 462'

Point Lookout @ 1956'

DV Tool @ 2669'

Cmt w/475 sxs, circulated surface

TOC @ DV tool, circulated

Gallup @ 2895'

4-1/2" Tubing set at 2560'  
(10.5#, with Baker Retrievable "D" packer)

Gallup Perforations:  
2925' - 2982', 3002' - 3096',  
3110' - 3192'

Dakota @ 4111'

Entrada @ 5160'

Cement Rt @ 5131' (Jul '77)

Entrada Perforations:  
5156' - 5163', squeeze with 45 sxs cmt.

PBTD 5275'

8-3/4" Hole

7" 20 & 23#K-55 Casing set @ 5342'  
Cmt with 485 sxs

TD 5392'