

Form 3160-5  
(June 1990)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM 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 <input type="checkbox"/> Well <input checked="" type="checkbox"/> Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. <b>SF-078309</b>
2. Name of Operator <b>Merrion Oil &amp; Gas Corporation (14634)</b>	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. <b>610 Reilly Avenue, Farmington, NM 87401-2634 (505) 327-9801</b>	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>1490' fml &amp; 790' fwl (nw sw) Section 29, T25N, R9W</b>	8. Well Name and No. <b>Federal 29 No. 2E</b>
	9. API Well No. <b>30-045-26205</b>
	10. Field and Pool, or Exploratory Area <b>White Wash Mancos/Dakota</b>
	11. County or Parish, State <b>San Juan County, New Mexico</b>

## 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 type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Add Perforations</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<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 to complete the White Wash Mancos-Gallup Pool in the subject well as detailed in the attached procedure. Production will be commingled downhole with the Basin Dakota Pool.

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

Signed Connie S. Dinaing Title Production Engineer Date 2/6/2004  
(This space for Federal or State office use)

Approved By \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statement or representations as to any matter within its jurisdiction.

# Merrion Oil & Gas Corporation

## Workover Procedure

January 23, 2004

<b>Well:</b>	Federal 29 No. 2E	<b>Field:</b>	Whitewash Mancos/Dk
<b>Location:</b>	1820' fsl & 1490' fwl	<b>Elevation:</b>	6,752' GR
	Sec. 29, T25N, R9W, NMPM		6,764' KB
	San Juan County, New Mexico	<b>By:</b>	Connie Dinning

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### Procedure:

*Note: All Fluids to be 2% KCl based.*

### Prior to Move In

1. Check wellsite for anchors.
2. Dig pit if necessary.
3. Open tubing and casing to production line to equalize. *Note: Plunger lift equipment is in tubing.*
4. Haul pumping unit, engine and rods to Federal 29 No. 2E. Prepare material transfers for all equipment moved to well.
5. Haul in 10 jts. 2 3/8" tubing.
6. Order in frac/test tank(s) w/ riser, working external gauges & two good 4" valves. Fill w/ 2% KCl city water or filtered water. Refer to frac job design for exact volume and number of tanks.

### Pull Tubing, Log, and Isolate Dakota

1. MIRU workover rig, PU additional tbq and check for fill before TOH w/ tbq. (clean out any fill w/ air package at end of job prior to landing tubing & running pump/rods).
2. RIH w/ 4 1/2" casing scraper to PBTD at  $\pm 6531'$  KB.
3. TOH w/ scraper & tubing.
4. MIRU wireline company. Run Gamma Ray Correlation Log from PBTD @  $\pm 6531'$  to 5300' KB or minimum run interval.
5. RIH w/ drillable BP, set @  $\pm 6000'$  KB.
6. Load hole with 2% KCl water and pressure test to 3500 psi.
7. If well does not pressure test, PU packer, isolate holes and squeeze as necessary.

### Perf & Ball off Gallup

1. Perforate Gallup with 3 1/8" casing gun, w/ one select fire shot per foot per Federal 29 No. 2E Induction Log dated 1/10/86 as follows:  
  
5330', 5386', 5402', 5404', 5412', 5422', 5435', 5453', 5468', 5474', 5493', 5495', 5516', 5538, 5540', 5545', 5558', 5571', 5573', 5582', 5592', 5601', 5616', 5917', 5919'; **25 total holes.**
2. TIH w/ tubing and packer.

3. Set packer @  $\pm$  5300' KB.
4. Pump 300 gallons 15% HCl and 37 RCN ball sealers down tubing.
5. Attempt to ball off to 3500 psi.
6. Release packer and TIH to 6000' to knock off balls.
7. Swab well down to 5300'.
8. TOH & lay down packer.

### ***Fracture Stimulation***

1. Install wellhead isolation tool.
2. RU frac crew. Fracture stimulate the Gallup formation with 70 Quality foam with 20# X-Linked base gel and a total of 100,000 lbs. of 20/40 mesh Brady sand (detail design to be provided).
3. Shut well in. RU flowback manifold to test tank. SI well for  $\pm$  4 hrs to allow gel to break.
4. Blow back on  $\frac{1}{4}$ " positive flow choke, and flow well to clean up.

### ***Drill Out BP and Run Production String***

1. RU air package. TIH w/ bit (or mill) and drill collars on 2-3/8" tbg, clean out sand using air to BP.
2. Drill out BP and continue cleaning out well down to PBTD (6531').
3. TOH and lay down collars and bit.
4. Run production tubing string with 20' mud anchor (open ended) w/ small hole near top and seating nipple. Land production tubing with top of MA at or below bottom of Dakota perms at approximately 6443' KB (Bottom perf @ 6443' KB).
5. Nipple down BOPs. Pick up  $1\frac{1}{4}$ " pump and run in hole on rods as follows:

40 ea.  $\frac{3}{4}$ " plain  
130 ea.  $\frac{5}{8}$ " plain  
16 ea.  $\frac{3}{4}$ " plain  
72 ea.  $\frac{3}{4}$ " scraped

5. Load tbg w/ water and check pump action before RD.
6. RD & MOL. Report production for two weeks.

# Merrion Oil & Gas Corporation Wellbore Schematic

Federal 29 No. 2E

Location: 1820' fsl & 1490' fwl  
Sec 29, T25N, R9W  
San Juan Co, New Mexico

Date: January 22, 2004

Elevation: 6752' GL  
6764' KB

By: Connie Dinning

