

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**

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)

**790' fml & 1100' fwl (nw nw)  
Section 35, T27N, R13W**

5. Lease Designation and Serial No.

**NM-33047**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

**HI ROLL No. 4**

9. API Well No.

**30-045-23032**

10. Field and Pool, or Exploratory Area

**WAW Fruitland Sand P.C.**

11. County or Parish, State

**San Juan County,  
New Mexico**

12. CHECK APPROPRIATE BOX (s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent

Subsequent Report

Final Abandonment Notice

Abandonment

Recompletion

Plugging Back

Casing Repair

Altering Casing

Other **Frac Report**

Change of Plans

New Construction

Non-Routine Fracturing

Water Shut-Off

Conversion to Injection

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.)\*

4/09/98

MIRU JC Well Service. Pull 38 joints of 1-1/4", IJ, 1.72#, J-55, 10rd tubing. Put on Dash float, put in Dash yard until we run it. B&R ran slick line to check for fill. PBTD @ 1332', BP 1299', fill to 1326' GL.

\*\*\* CONTINUED OTHER SIDE \*\*\*

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

Signed

**Steven S. Dunn**

Title **Drlg & Prod Manager**

**ACCEPTED FOR RECORD**

Date **4/24/98**

(This space for Federal or State office use)

Approved By

Title

Date

**MAY 01 1998**

Conditions of approval, if any:

**FARMINGTON DISTRICT OFFICE**

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 statements or representations as to any matter within its jurisdiction.

**NMOCD**

4/15/98 RU Dowell. Conduct step-down test using 25# linear gel. Pressure up to 1250 psi and break back.

Calc Near Wellbore Delta Press

Q (BPM)	Press
24.4	1130
18.7	880
10.3	530
0 0	760

Calculate that most near wellbore pressure drop due to tortuosity. Use 900 psi in BHFP. Use 330 scf/bbl N<sub>2</sub> for frac design.

Frac well as follows with 70Q N<sub>2</sub> foam:

BH	Stage	Slurry	Vol. Bbls	Rate	BPM	BH	Rate	BPM	Surf	Press	Comments
1#			71.5	9.1	30.2	1380	1380	30.2	Put in 1/2# slug		
2#			30.2	11.6	30.1	1440	1440	30.1	AZ		
3#			45.6	12.7	30.0	1502	1502	30.0	AZ		
4#			63.8	13.7	30.1	1660	1660	30.1	AZ		
5#			28.1	14.9	30.1	1880	1880	30.1	AZ		
5#			39.8	14.9	30.1	1896	1896	30.1	AZ		
Flush			4.0 14.9	30.1	1880	1880	1880	30.1	Resin coated		
ISIP					1300						

SI Well 45 mins to RD Dowell. Pumped total of 47,500 Arizona and 12,300# resin coated 20/40 sand. Blew back well on 1/4" choke. Blew back all N<sub>2</sub>. (However, did have foam leaking at wellhead right after job.) WO rig to Clean

4/16/98 RIH w/ slickline, tag fill @ 23' above top perf. WO Rig.

4/21-22/98 WO Rig. Roustabouts cleaned up location. Prep to set pumping unit.

4/23/98 MIRU JC Well Service, found well dead. Remove frac valve and install pumping tee and stripping head. TIH with 2-1/4" bit, bit sub and 1-1/4" EUE tubing. Tag up on sand fill @ 1254'. Load hole and break circulation. Could not circulate out sand. PU power swivel and rotate to 1266' and circulate hole clean. Clean out to 1276' before losing circulation. Called for nitrogen truck. RU Halliburton and establish circulation with nitrogen. CO to PBD 1332'. CO mostly resin coated sand, very little fluid. Pulled up to 1270' and SD for 30 mins. RIH and checked for fill 1/2'. CO remaining sand. RD and release Halliburton. LD power swivel and TOH, LD with tubing. Install ball valve and shut well in. RDMOL JC Well Service at 4:30 PM 4/23/98.