

Distribution: 0+4 (BLM); 1-Crystal; 1-Earleen, Well 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

3. Address and Telephone No.

P. O. Box 840, Farmington, New Mexico 87499

(505) 327-9801

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**1850' FSL & 1850' FWL
Section 5, T26N, R12W**

5. Lease Designation and Serial No.

SF-081102-A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Frontier 1

9. API Well No.

30-045-06033

10. Field and Pool, or Exploratory Area

Gallegos Gallup

11. Country or Parish, State

**San Juan,
New Mexico**

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

TYPE OF SUBMISSION

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other **Workover**

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well 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 requests approval to conduct the work detailed on the attached workover to return
this well to production on a sustainable basis.**

RECEIVED
MAY 10 1994
OIL CON. DIV.
DIST. 3

RECEIVED
MAY 10 1994
WATER DIV.

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

Signed

Title

Operations Manager

Date

4/13/94

(This space for Federal or State Office Use)

Approved by

Title

Conditions of approval, if any:

Date

APR 29 1994

DISTRICT MANAGER

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.


*See instruction on Reverse Side

MERRION OIL & GAS CORPORATION

Workover Procedure

February 2, 1994

Well: **FRONTIER No. 1**
Location: 1850'fsl & 1850'fwl (ne sw)
Sec 5, T26N, R12W
San Juan County, New Mexico

Field: Gallegos Gallup
Elevation: 5,908' RKB
5,897' GR
By: Steve Dunn 

Procedure:

Prior to Move-in

1. Shoot fluid level in casing and look for tubing leak, fluid level. Use fluid level to estimate remaining reservoir pressure and potential reserves for economics.
2. Check well site for anchors. Procure a replacement 125 psi heated 3φ separator.
3. File sundry notice with BLM for approval in the event we need to squeeze casing or stimulate the Gallup perms.

Pull Downhole Equipment

4. Move in, rig up. Blow down tubing & casing. Nipple up BOPs.
5. Unset 2 3/8" eue J55 8rd tubing. Attempt to unset Baker EOJ 5 1/2" packer set in compression @ 4,807'KB (refer to wellbore schematic attached, note: tubing leak is suspected).
6. If packer unsets, pull out of hole, tally pipe, check for general condition and bad joints.
7. If unable to unset packer, rig up wireline backoff truck. Set a retrievable tubing blanking plug in tailpipe below packer @ 4,900'KB±. Take freepoint and either backoff or cut 2 3/8" tubing above packer (leave sufficient stickup above packer to engage overshot).
8. Pull out of hole with cutoff tubing.
9. Pick up wash pipe and clean out to packer top if necessary. Ensure hole clean to top of packer.
10. Pick up overshot, collars and jars. Run in hole, latch onto fish and jar loose. Pull out of hole with fish.

Test for Casing Integrity

11. Pick up 5 1/2" casing scraper and 4 3/4" bit, run in hole and check for plug back. Pull out of hole.
12. Pick up 5 1/2" retrievable bridge plug and retrievable casing packer, run in hole and set @ 4,850'KB above Gallup perms (4,900 - 80' KB). Load hole and pressure test casing to 1,000 psig. If holds pressure, go to step 21.

13. If casing fails to hold pressure, pull 5 1/2" retrievable casing packer and set inside liner top @ 3,889'KB.
14. Pressure test liner to 3,000 psi. If fails, move packer to isolate leak. If holds, pull out of hole.
15. Pick up 7 5/8" packer and isolate leak in 7 5/8" casing.
16. Run casing inspection log if warranted.
17. If casing leak is limited, repair by spotting cement and squeezing off.
18. Drill out cement and pressure test to 1,000 psig.

Clean Out Wellbore & Test

19. Circulate hole to clean up, swab casing down to equalize pressure across bridge plug.
20. Retrieve bridge plug, pull out of hole and lay down.
21. Run in hole with hydrostatic bailer, clean out rathole to PBTD @ 5,000'KB. Pull out of hole.
22. Pick up 5 1/2" packer, run in hole and set above perfs @ 4,875'. Swab well in and test to evaluate.

Stimulate Gallup & Resume Production

23. If well not responding, acidize perfs w/ 500 gal 15% HCL, inhibited, with fines suspender, surfactant, iron sequestering agent. Swab back & evaluate.
24. If well looks promising, either install piston and put back on production, or Frac w/ foam frac and $\pm 60,000$ lbs 20/40 sand (Procedure to be provided later).
25. If frac'd, flow back to clean up. Re-run production tubing and release rig.
26. Replace old tech separator with 125 psi heated 3 ϕ separator. Install dump counters on both oil & water dumps
27. Commence gas sales (ensure proper paperwork is filed and approved).

Merrion Oil & Gas Corporation Wellbore Schematic

Frontier No. 1

Current Wellbore Configuration

Location: 1850' fsl & 1850' fwl (ne sw)
Sec 5, T26N, R12W
San Juan Co, New Mexico

Elevation: 5,897' GL
5,908' RKB

By: Steve Dunn

01/16/94

Cretaceous

Ojo Alamo - Surface

Kirtland - Behind surface csg

Fruitland - 861'

Pictured Cliffs - 1,165'

Lewis Shale - 1,270'

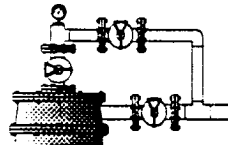
Cliffhouse - 1,972'

Menefee - ?

Pt Lookout - 3,670'

Mancos Shale - 3,950'

Gallup - 4,706'



Top of Cmt @ Surface

Bit Size - 13 3/4"

10 3/4" 32.75# Surface Csg @ 173' KB w/ 150sx; 177cuft

Bit Size 8 3/4"

Top of Cement @ 2,520' RKB (temp survey)

Liner top @ 3,889' KB; Top of cement @ 3,889' KB (temp survey)
Intermediate 7 5/8" 26.4# @ 3,969' KB w/ 250sx, 295cf

Bit size 6 3/4"

2 3/8" EUE Tubing @ 4,972' KB; 159 jts, Bull plugged MA, 3' PS on bottom

5 1/2" Baker EOJ Packer @ 4,807' KB; set w/ 16,000# compression

Gallup perms: 4,900' - 4,980' KB, gross interval

Frac w/ Oil, 33,000# 20/40 sand (May 25, 1957)

5 1/2" 15.5# J55 Production Csg @ 5,041' w/ 300sx H; 354cf
TD @ 5,050' KB PBTD @ 5,000' KB

WELL DATA:

CUM GAS: 793,500 mcf (12/92)
CUM OIL: 9,948 bbl (12/92)
SPUD: May 10, 1957
COMPLETED: May 27, 1957

CURRENT SICP: 250 psig (12/6/93)
CURRENT SITP: 250 psig (12/6/93)
LINE PRESSURE: 25 - 75 psia
GAS TRANSPORTER: El Paso Natural Gas