

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
Budget Bureau No. 1304-0135

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 &amp; 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)

1830' fml & 1840' fel (sw ne)  
Section 20, T25N, R9W

5. Lease Designation and Serial No.

SF-078530

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Federal 20 No. 1E

9. API Well No.

30-045-26999

10. Field and Pool, or Exploratory Area

White Wash Mancos/Dakota

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

☒ Notice of Intent☐ Subsequent Report☐ Final Abandonment Notice

## TYPE OF ACTION

☐ Abandonment☐ Recompletion☐ Plugging Back☐ Casing Repair☐ Altering Casing☒ Other Add Perforations☐ 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.)\*

Merrion Oil &amp; Gas proposes to add perforations in the Mancos zone as detailed in the attached procedure. The pool will be Whitewash Mancos Dakota.

— Based on existing Communitization Agreement NALM 7381  
a C102 and DHC application will be required.  
Dakota Spacing: 320 Acres (gas)  
Mancos-Gallup: 40 (oil)

CONDITIONS OF APPROVAL  
Adhere to previously issued stipulations.

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

Signed

Connie S. Dinning

Title Production Engineer

Date 1/20/04

(This space for Federal or State office use)

Approved By

Conditions of approval, if any:

Title

Petr. Eng.

Date

2/25/04

# Merrion Oil & Gas Corporation

## Workover Procedure

January 20, 2004

<b>Well:</b>	Federal 20 No. 1E	<b>Field:</b>	Whitewash Mancos/Dk
<b>Location:</b>	1830' fnl & 1840' fel Sec. 20, T25N, R9W, NMPM San Juan County, New Mexico	<b>Elevation:</b>	6,664' GR 6,677' KB
		<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 20 No. 1E. 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 tbg and check for fill before TOH w/ tbg. (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 PBDT at ± 6480' KB.
3. TOH w/ scraper & tubing.
4. MIRU wireline company. Run Gamma Ray Correlation Log from PBDT @ ± 6480' to 5300' KB.
5. RIH w/ drillable BP, set @ ±5980' 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 20 No. 1E Density/ Compensated Neutron Log dated 3/9/85 as follows:  
  
5413', 5423', 5432', 5436', 5440', 5474', 5504', 5526', 5528', 5542', 5576', 5584', 5589',  
5594, 5608', 5612', 5622', 5636', 5676', 5688', 5705', 5716', 5734, 5785', 5936, 5938;  
**25 total holes.**
2. TIH w/ tubing and packer.

3. Set packer @  $\pm$  5350' 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 5980' 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 1/4" positive flow choke, and flow well to clean up.

### ***Pull RBP 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 PBSD (6480').
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 6460' KB (Bottom perf @ 6456' KB).
5. Nipple down BOPs. Pick up 1 1/4 " pump and run in hole on rods as follows:

40 ea. 3/4" plain  
 130 ea. 3/8" plain  
 16 ea. 3/4" plain  
 72 ea. 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 20 No. 1E

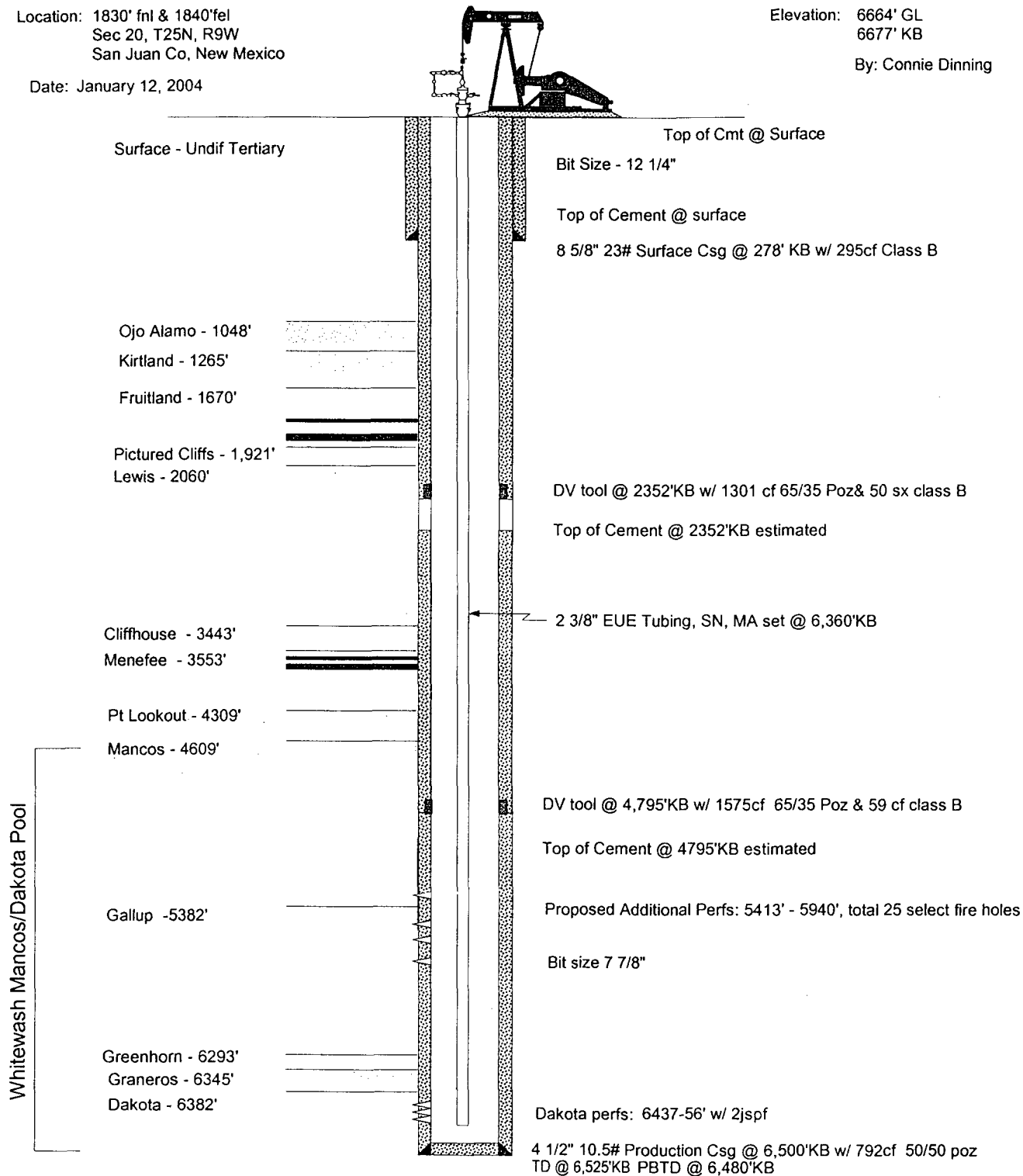
### Proposed Wellbore Configuration

Location: 1830' fnl & 1840' fel  
Sec 20, T25N, R9W  
San Juan Co, New Mexico

Date: January 12, 2004

Elevation: 6664' GL  
6677' KB

By: Connie Dinning



# Merrion Oil & Gas Corporation

## Wellbore Schematic

Federal 20 No. 1E

### Current Wellbore Configuration

Location: 1830' fnl & 1840' fel  
Sec 20, T25N, R9W  
San Juan Co, New Mexico

Date: January 12, 2004

Elevation: 6664' GL  
6677' KB

By: Connie Dinning

