

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
☐ 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)

**1850' fsl & 1850' fel (nw se)
Section 12, T24N, R2W**

5. Lease Designation and Serial No.

NM-106649

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Twilight Zone No. 1

9. API Well No.

30-039-23606

10. Field and Pool, or Exploratory Area

Gavilan Pictured Cliffs

11. County or Parish, State

**Rio Arriba 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 _____☐ 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 & Gas has taken over operation of this partially plugged wellbore from McElvain. A diagram of the current wellbore configuration is attached. We propose to perforate, frac and test the Pictured Cliffs in the subject wellbore according to the attached procedure.

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

Signed

Connie S. DinningTitle **Production Engineer**Date **7/26/2004**

(This space for Federal or State office use)

Approved By

/s/ David R. SitzlerTitle **Division of Multi-Resources**

Date

AUG 19 2004

Conditions of approval, if any:

Merrion Oil & Gas Corporation

Completion Procedure Pictured Cliffs Formation

July 19, 2004

Well:	Twilight Zone No. 1	Field:	Gavilan Pictured Cliffs
Location:	1850' fsl & 1850' fel (nw se) Sec 12, T24N, R2W, NMPM Rio Arriba County, New Mexico	Elevation:	7368' RKB 7355' GL
By:	Connie Dinning	Lease:	FEE
		AFE No.:	20454

Procedure: *(Note: This procedure will be adjusted on site based upon actual conditions)*

Perf & Frac Pictured Cliffs

1. Order in frac/test tanks w/ risers, working external gages & two good 4" valves on each. Fill w/ 2% KCl city water (refer to fracture stimulation design for required useable volume).
2. MIRU completion rig. NU BOPs.
3. Deliver 2-3/8" yellow band tubing to location.
4. Load hole and pressure test casing to 3500 psi
5. PU tubing w/ SN on bottom. Tally in hole to ~3500' KB. Spot 60-gal 15% HCl acid at 3500' w/ 2% KCL water. RUTS, swab well down to 2500' KB. POH.
6. MIRU wireline company. Run GR correlation log from 3600' to minimum run depth.
7. Perforate Pictured Cliffs with 3-1/8" casing gun, 0.34" diameter per Twilight Zone No. 1 correlation log run above as follows:

3442 - 52 ft	10 ft	1 spf	10 holes
3478 - 90 ft	22 ft	1 sp 2 ft	11 holes
8. Remove casing head and tree. Install frac valve on 5-1/2" production casing.
9. RU Frac crew. Spearhead 250 gals. 15% HCl acid. Fracture stimulate the Pictured Cliffs formation with 20# crosslinked gel in 70 quality foam and 80,000 lbs of 20/40 mesh Brady sand (detail design to be provided). **Do not exceed 3500 psi.**
10. Shut well in for gel break time. Open to pit.

Install Production Tubing

1. RIH w/ 2 3/8" production tbg & SN, land @ ±3480' KB.
2. Rig up test separator and meter run or back-pressure tester. Put well on test to atmosphere and report test results. Shut-in pending gas sales tie-in.
3. If economic quantities of gas indicated, install production equipment and arrange for gas sales tie-in.

4. If uneconomic, consider Fruitland Coal attempt.

Attachments:

1. Wellbore Schematic.
2. Twilight Zone No. 1 Open hole survey strip from induction log.
3. Fracture stimulation design.

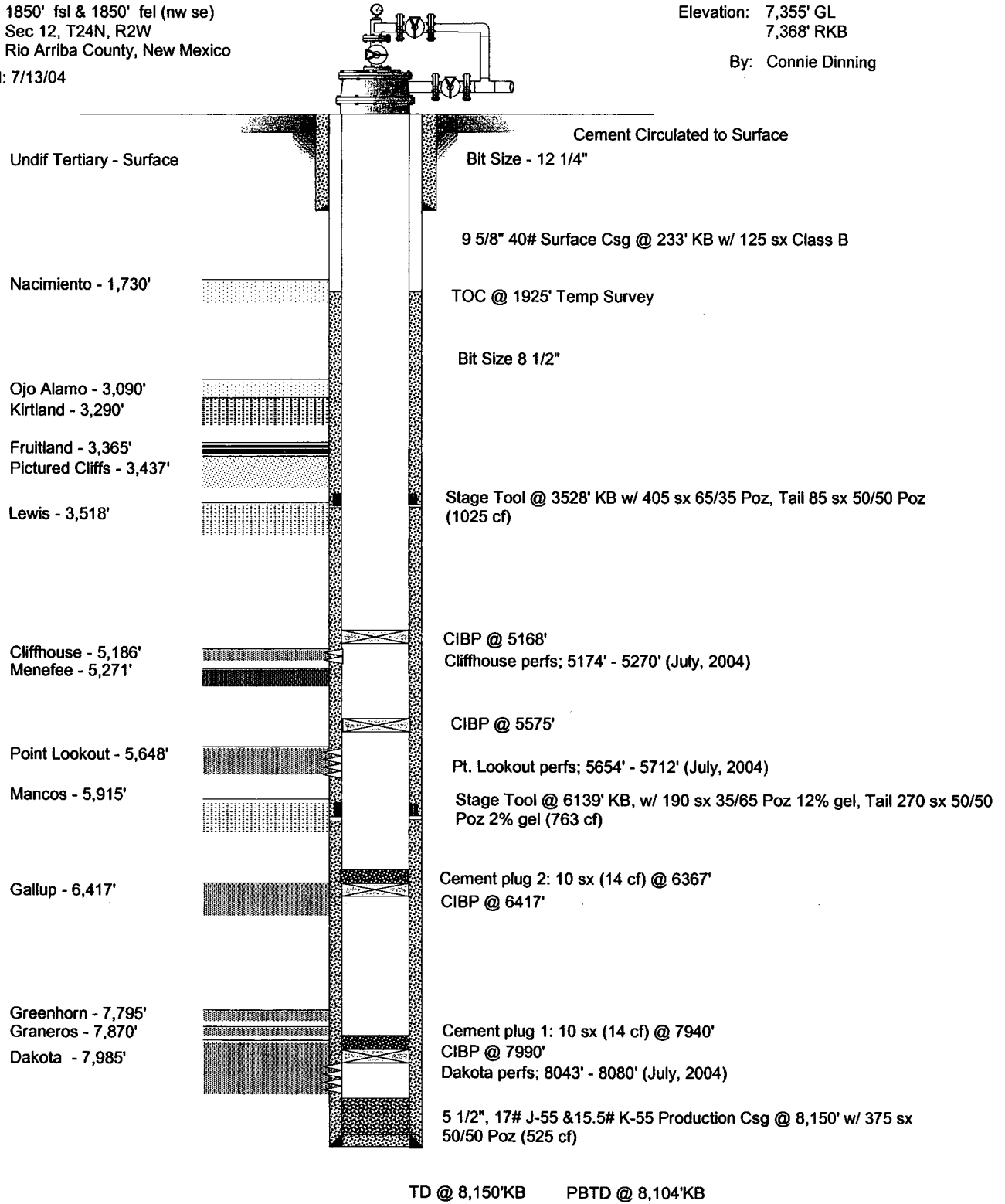
Merrion Oil & Gas Corporation Wellbore Schematic

Twilight Zone No. 1

Current Wellbore Configuration

Location: 1850' fsl & 1850' fel (nw se)
Sec 12, T24N, R2W
Rio Arriba County, New Mexico
Prepared: 7/13/04

Elevation: 7,355' GL
7,368' RKB
By: Connie Dinning



Form C-102
Revised June 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-23606	² Pool Code 77360	³ Pool Name Gavilan Pictured Cliffs
⁴ Property Code 33408	⁵ Property Name Twilight Zone	
⁷ OGRID No. 14634	⁸ Operator Name Merrion Oil & Gas	
		⁶ Well Number 1
		⁹ Elevation 7355'

10 Surface Location

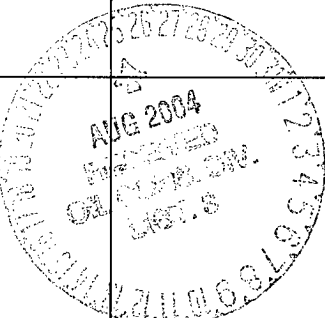


UL or lot no. K	Section 12	Township 24N	Range 2W	Lot Idn nwse	Feet from the 1850'	North/South line south	Feet from the 1850'	East/West line east	County Rio Arriba
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres 160 Ac	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16			
			<div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center; margin: 0;">17 OPERATOR CERTIFICATION</p> <p style="margin: 0;"><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <div style="text-align: right; margin: 10px 0;">  </div> <p style="margin: 0;">_____ Signature</p> <p style="margin: 0;">_____ Printed Name</p> <p style="margin: 0;">_____ Production Engineer/cdinning@merrion.bz</p> <p style="margin: 0;">_____ Title and E-mail Address</p> <p style="margin: 0;">_____ August 25, 2004 Date</p> </div>
		<div style="border: 1px solid black; padding: 10px;"> <p style="margin: 0;">Twilight Zone No. 1</p> <div style="text-align: center;">  </div> </div>	<div style="border: 1px solid black; padding: 10px;"> <p style="margin: 0;">NM-106649</p> <p style="margin: 0;">1850'</p> </div>
		<div style="border: 1px solid black; padding: 10px;"> <p style="margin: 0;">1850'</p> </div>	<div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center; margin: 0;">18 SURVEYOR CERTIFICATION</p> <p style="margin: 0;"><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <p style="margin: 0;">_____ Date of Survey</p> <p style="margin: 0;">_____ Signature and Seal of Professional Surveyor:</p> <p style="margin: 0;">_____ Certificate Number</p> </div>