

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
Budget Bureau No. 1004-0136
Expires: February 28, 1995

RECEIVED

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. Type of Work

DRILL ☒DEEPEN ☐

b. Type of Well

Oil Well ☐Gas Well ☒Other ☐Single Well ☒Multiple Zone ☐

2. Name of Operator

Merrion Oil & Gas Corporation

3. Address and Telephone No.

610 Reilly Ave Farmington NM 87401
ph: (505) 327-9801

4. Location of Well (Footages)

At Surface

1460' fml & 1630' fel (SW ne) B
1110 1580

At proposed prod. zone

Same

5. Lease Designation and Serial No.
NM-033047

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

7804

8. Well Name and No.

Hi Roll No. 3R

9. API Well No.

30-045-29977

10. Field and Pool, or Exploratory Area

Pictured Cliffs

WAW Fruitland PC

11. Sec., T., R., M., or BLK.

and Survey or Area

B Section 35, T27N, R13W

14. Distance in Miles and Directions from Nearest Town or Post Office

18 miles south of Farmington NM, near Chaco Plant

12. County or Parish

San Juan

13. State

NM

15. Distance from Proposed Location to Nearest
(Also to nearest drlg. unit line, if any)

Property or Lease Line, Ft 1460'

16. No. of Acres in Lease

640 acres

17. No. of Acres Assigned to This Well

160 acres

18. Distance from Proposed Location to Nearest Well Drilling, Completed, or Applied for, on this Lease, FT

+/-100'

19. Proposed Depth

+/-1385' 1400'

20. Rotary or Cable Tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc)

6000' GR, 6005' RKB

5998'

22. Approximate Date Work will Start

As soon as permitted

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE & GRADE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8-3/4"	7" J55	23 ppf	~120' KB	~30 sx (36 cuft)
6-1/4"	4-1/2" J55	10.5 ppf	~1400' KB	~105 sx (170 cuft)

Merrion proposes to drill 8-3/4" hole with native mud to approx 120' and set 7" 23# J55 surface casing, cement to surface with ~30 sx 'B' w/ 2% CaCl2 (36 cuft). Will drill 6-1/4" hole to TD @ approx 1385' KB with low solids non-dispersed mud system. Run open hole surveys. Will set 4-1/2" 10.5 ppf J55 production casing from TD to surface. Will cement with 52 sx 'B' w/ 2% SMS (107 cuft) and tail in with 53 sx 'B' (63 cuft) cement to fill from total depth to surface. A cementing chronology will be recorded and submitted to the BLM after completion of the job. Top of Cement should circulate to surface (will adjust volumes based upon caliper log).

A ~5 bbl water spacer will be pumped ahead of the lead slurry to prevent mud contamination of the cement. If cement does not reach surface, a temperature log or cement bond log will be run to determine top of cement.

The production casing will be centralized through the Pictured Cliffs and Fruitland intervals and through any usable water zones. Turbo-centralizers will be placed just below and into the base of the lowest usable water zone.

Will test Fruitland through perforated casing. Will fracture stimulate and put on for production test. Drilling operations below surface casing will be conducted with a Bag type BOP in place, minimum working pressure 1000 psig. Additional drilling technical details attached.

~~The well will be drilled on the existing Hi Roll No. 3 pad. The road and pipeline for the Hi Roll No. 3 will also be utilized. There will be no additional surface disturbance for any of the drilling, completion or production operations.~~

This action is subject to technical and procedural review pursuant to 43 CFR 2150.3 and appeal pursuant to 43 CFR 3105.4.

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal to deepen, give present productive zone and proposed new productive zone.

COPIES: BLM+4, WELL FILE+1

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

Signed

Steven S. Dunn

Title Drilling & Prod Manager

Date August 18, 1999

(This space for Federal or State office use)

Permit No.

Approval Date

Application approval does not warrant or certify that applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any:

APPROVED BY:

SM

TITLE

DATE

9-600

NM000

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 ☐ Gas ☐
☐ Well ☒ 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)

1110' fml & 1580' fel (nw ne)
Section 35, T27N, R13W

5. Lease Designation and Serial No.

NM-033047

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Hi Roll No. 3R

9. API Well No.

30-045-29977

10. Field and Pool, or Exploratory Area
WAW Fruitland Sand
Pictured Cliffs

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

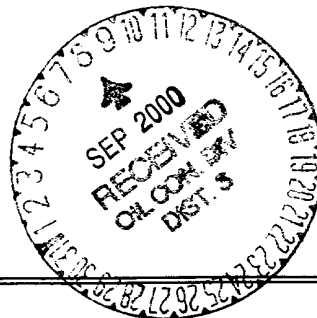
☐ Notice of Intent☒ Subsequent Report☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment☐ Recompletion☐ Plugging Back☐ Casing Repair☐ Altering Casing☒ Other Location Change☐ 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.)*

NAPI representatives requested that the location of this well be changed to avoid conflict with their operations. We have restaked the location as listed above. A form C-102 and a cut/fill diagram are attached.



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

Signed

Connie S. Dinning

Title Engineer

Date 5/18/00

(This space for Federal or State office use)

Approved By

Title

Date

9/6/00

Conditions of approval, if any:

District I
370 Box 1980, Hobbs, NM 88241-1980
District II
P.O. Drawer DD, Artesia, NM 88211-0719
District III
1000 Kim Brown Rd., Aztec, NM 87410
District IV
P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

75 MAY 23 1999 56 ☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-29977		Pool Code 87190	Pool Name WAW Fruitland Sand Pictured Cliffs
Property Code 7804	Property Name Hi Roll		Well Number 3 R
OGRID No. 014634	Operator Name MERRION OIL & GAS		Elevation 5998'

10 Surface Location

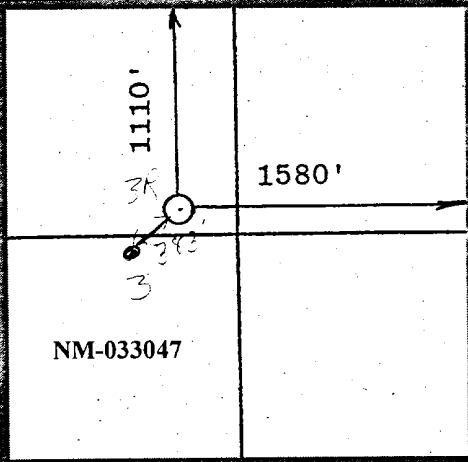
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	35	27 N	13 W	NWNE	1110	North	1580	East	San Juan

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

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
160			

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

<div>16</div> 	<div>17 OPERATOR CERTIFICATION</div> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p>Signature Connie S. Dinning</p> <p>Printed Name Engineer</p> <p>Title May 18, 2000</p> <p>Date</p>
	<div>18 SURVEYOR CERTIFICATION</div> <p>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.</p> <p>Date of Survey September 1999</p> <p>Signature and Seal of Professional Surveyor 6844</p> <p>Certificate Number</p>

SEP 2000
RECEIVED
OIL CONSERVATION DIVISION
SANTA FE, NM 87504-2088

**MERRION OIL & GAS
CORPORATION**

TOPO LOCATOR MAP

HI ROLL No. 3R

1110 4460' fml & 1830' fml (SW ne)
Sec 35, T27N, R13W, NMMP
San Juan County, New Mexico

