

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ROW/APD

FORM APPROVED
Budget Bureau No. 1004-0136
Expires: February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

5. Lease Designation and Serial No.
SF-080384-B

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 1145' fnl & 895' fwl (nw nw)

At proposed prod. zone Same

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Hiccup No. A1

9. API Well No.

30-045-30249

10. Field and Pool, or Exploratory Area

Gallegos S. Fruitland/PC

11. Sec., T., R., M., or BLK.
and Survey or Area

D Section 3, T26N, R12W

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

Property or Lease Line, Ft 895'

16. No. of Acres in Lease

958 acres

17. No. of Acres Assigned to This Well

1584 160 acres

18. Distance from Proposed Location to Nearest Well Drilling, Completed,

or Applied for, on this Lease, FT -100'

19. Proposed Depth

-1450'

20. Rotary or Cable Tools

Rotary

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

6040' GR, 6045' RKB

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 (35 cuft)
6-1/4"	4-1/2" J55	10.5 ppf	~1450' KB	~109 sx (180 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 (35 cuft). Will drill 6-1/4" hole to TD @ approx 1450' 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 58 sx 'B' (120 cuft) lead slurry followed by 50 sx 'B' (60 cuft) cement to fill from total depth to surface. Top of Cement should circulate to surface (will adjust volumes based upon caliper log).

A 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.

Will test Pictured Cliffs 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.

A pipeline route approval is also proposed as part of this APD as per the enclosed plat.

~~This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.~~

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 the foregoing is true and correct

Signed

Steven S. Dunn

Title Drilling & Prod Manager

Date April 19, 2000

(This space for Federal or State office use)

Permit No.

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

TITLE

DATE

NMOCD

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 <input type="checkbox"/> Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	5. Lease Designation and Serial No. SF-080384-B
2. Name of Operator Merrion Oil & Gas Corporation (14634)	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. 610 Reilly Avenue, Farmington, NM 87401-2634 (505) 327-9801	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1145' fnl & 895' fwl (nw nw) Section 3, T26N, R12W	8. Well Name and No. Hiccup A No. 1
	9. API Well No. 30-045-30247
	10. Field and Pool, or Exploratory Area Gallegos S. Fruitland/PC
	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
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Acreage Change</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> 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.)*

The APD for the subject well showed a dedicated acreage of 160 acres. The dedicated acreage for this well should be 158.9 acres.

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

Signed Connie S. Dinning Title Engineer Date 5/19/00

(This space for Federal or State office use)

Approved By _____ Title _____ Date 10/2/00
Conditions of approval, if any: _____

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO 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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-045-30249		2 Pool Code 77310		3 Pool Name Gallegos South Fruitland Pictured Cliffs	
4 Property Code 26785		5 Property Name Hiccup			6 Well Number A # 1
7 OGRID No. 014634		8 Operator Name MERRION OIL & GAS			9 Elevation 6040+-

10 Surface Location

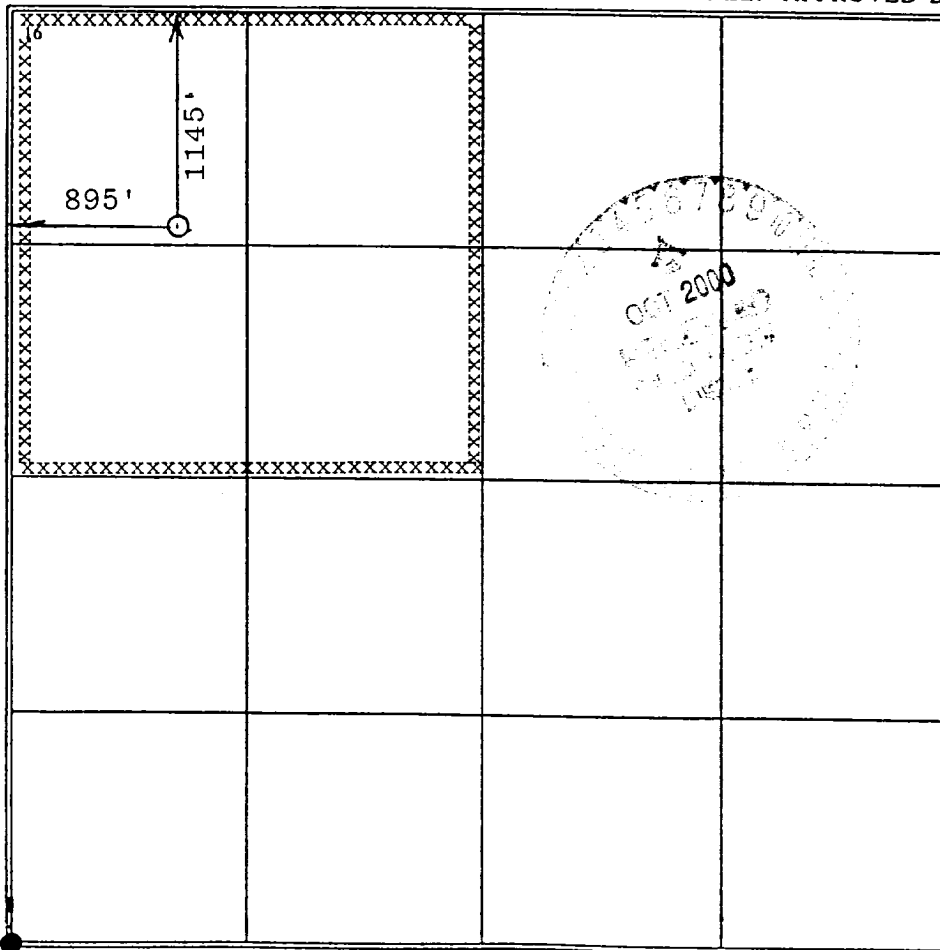
UL or lot no. D	Section 3	Township 26 N	Range 12 W	Lot Idn NWNW	Feet from the 1145	North/South line North	Feet from the 895	East/West line West	County San Juan
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11 Bottom Hole Location If Different From Surface

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 158.9	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

				17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature _____ Printed Name Connie S. Dinning Title Engineer Date May 11, 2000	
18 SURVEYOR CERTIFICATION 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 knowledge and belief Date of Survey _____ Signature _____ Seal of Professional Surveyor 6844 Gerald E. Huddles REGISTERED LAND SURVEYOR Certificate Number _____					

**MERRION OIL & GAS
CORPORATION**

TOPO LOCATOR MAP

HICCUP A No. 1

1145' fml & 895' fwl (nw nw)
Sec 3, T26N, R12W, NMPPM
San Juan County, New Mexico

