

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☐

DEEPEN ☐

PLUG BACK ☒

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Merrion Oil & Gas Corporation

3. ADDRESS OF OPERATOR

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface

990' FSL and 660' FWL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

23 miles south of Cuba, New Mexico

10. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

80

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

None

19. PROPOSED DEPTH

5,200'

20. ROTARY OR CABLE TOOLS

Rotary

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

6,837' GR

22. APPROX. DATE WORK WILL START*

5/11/90

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT

We plan to plug back and recomplete the subject well as a Menefee producer. If the Menefee is not economically productive, we plan to plug and abandon the well. Attached is a procedure for your approval.

RECEIVED

MAY 29 1990

OIL CON. DIV
DIST. 3

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

George F. Sharpe
George F. Sharpe

TITLE Reservoir Engineer

DATE 5/4/90

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

[Signature]

AREA MANAGER

TITLE RIO PUERCO RESOURCE AREA

DATE

MAY 09 1990

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

RECEIVED
JUN 13 1964

U.S. AIR FORCE
VIO 100 JIC
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Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Merrion Oil & Gas Corporaiton			Lease Media Entrada Unit		Well No. 7
Unit Letter M	Section 14	Township 19 N	Range 3W	County NMPM	Sandoval
Actual Footage Location of Well: 990 feet from the South line and 660 feet from the West line					
Ground level Elev. 6,837'	Producing Formation Menefee		Pool Undesignated Mesaverde		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

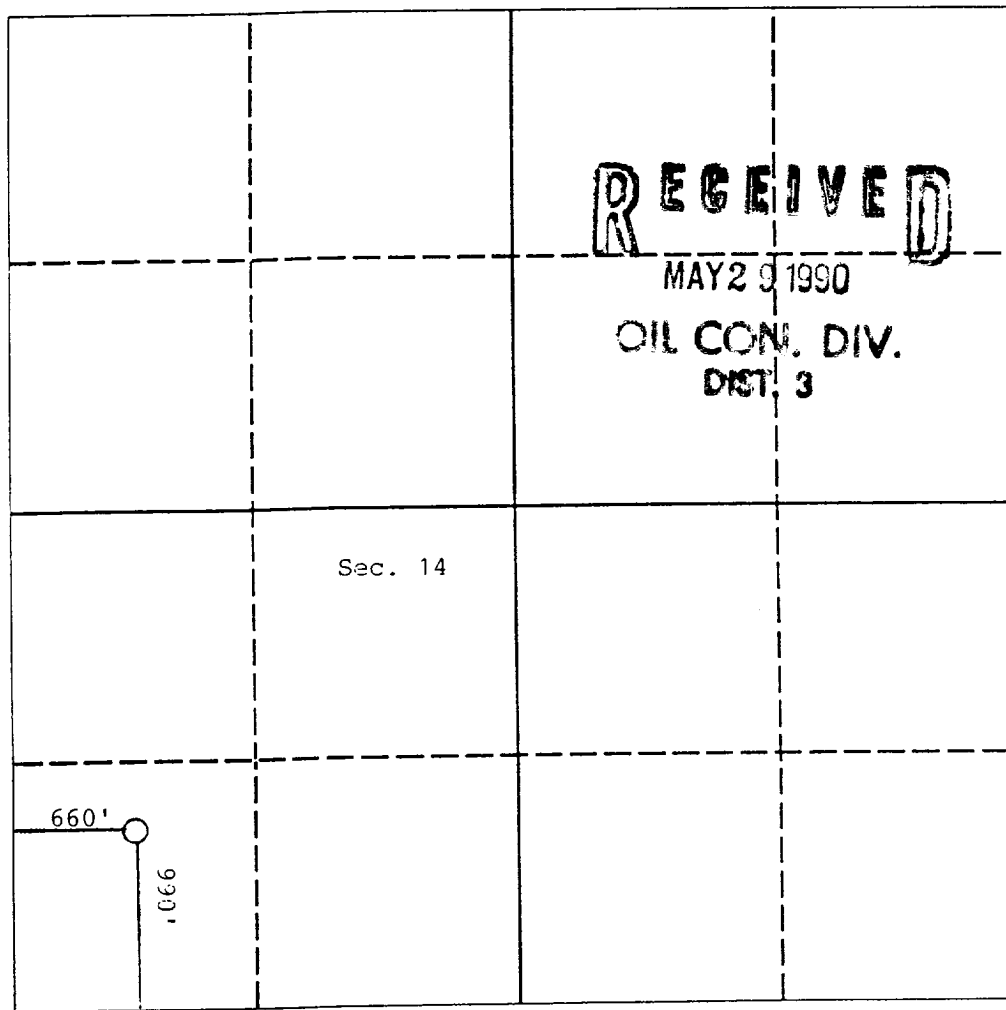
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

☐ Yes ☐ No If answer is "yes" type of consolidation _____

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



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

George F. Sharpe

Position

Reservoir Engineer

Company

5/4/90

Date

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 Surveyed

Signature & Seal of
Professional Surveyor

Certificate No.

MERRION OIL & GAS CORPORATION

MEDIA ENTRADA UNIT NO. 7

MENEFEE RECOMPLETION PROCEDURE

LOCATION: 990' FSL & 660' FEL ELEVATION: 6837' GL
Section 14, T19N, R3W 6850' KB
Sandoval County, New Mexico

PREPARED BY: George F. Sharpe *GIS* DATE: 5/01/90

- 1) MIRU. NU BOPs.
- 2) Set 4-1/2" CICR at 2400' above collapsed casing at 2440'. RIH with 2-3/8" tubing. Sting into CICR and establish pump in rate. Mix and pump following:
 - a) 25 sx Class "B" cement (5.25 bbls, 330' in 4-1/2" casing, will place across Entrada 5268'-4938').
 - b) 5 bbl 9.0 ppg mud (315'). (~~4938'~~-4623')
 - c) 50 sx Class "B" cement (10.5 bbls, 660' across Morrison and Dakota tops from 4623' to 3963').
 - d) 15.3 bbl 9.0 ppg mud (963'). (~~3963'~~-3000')
 - e) 25 sx Class "B" cement (5.25 bbls, 330' across Gallup from 3000' to 2670').
 - f) 4.3 bbl 9.0 ppg mud (270' to CICR at 2400'). (~~2670'~~-2400')
 - g) Displace with 9.3 bbl 9.0 ppg mud (2-3/8" tubing volume).
- 3) Pull out of CICR. Dump 5 sx Class "B" on top. Pressure test casing to 2000 psi. Circulate hole clean with Entrada produced water. POOH.
- 4) Rig up wireline. Run CBL from 2300' to 1300'. If TOC below 1600', perf and squeeze as necessary.
- 5) Swab well down to 1500'. RIH with casing guns and perf Point Lookout 1975'-85' with 2 SPF. POOH. Swab test perfs. If water, squeeze with 25 sx. If oil, set RBP at 1960'.
- 6) Swab well down to 1400'. Rig up wireline. RIH with casing guns and perf Menefee 1815'-35', 1890'-1900', 1925'-50' with 2 SPF. POOH. Swab test perfs 1815'-1950'. If water, squeeze with 40 sx. If oil, move RBP to 1770'.

- 7) Swab well down to 1200'. Rig up wireline. Perf 1620'-35' and 1735'-45' with 2 SPF. Swab test perfs. If water, squeeze with 40 sx.
- 8) Remove RBP to open all perfs which produced oil. POOH. Frac well with procedure to be specified at later date. Flow back to test.
- 9) RIH with mud anchor, perforated sub, seating nipple and \pm 2000' of 2-3/8" tubing. ND BOPs, NU Wellhead. RIH with 1 1/4" RHAC pump on 3/4" rods. RD MOL. (Pump unit to be specified at later date.)

IF NO ZONES PRODUCED OIL, P&A AS FOLLOWS:

- 8a) Roll hole with 9.0 ppg mud. Spot cement plug 50' below to 50' above open Menefee perfs (25 sx minimum).
- 8b) Pull to 440'. Spot 25 sx Class "B" plug from 440' to 110' across Mesaverde top and casing shoe.
- 8c) Pull to 50'. Spot 4 sx Class "B" plug to surface.
- 8d) If possible, bullhead 10 sx (50') down 4-1/2" - 8-5/8" annulus. RD MOL.
- 8e) Cut off casing. Install P&A marker. Restore location.

GFS/eg

APPROVED: _____

DATE: _____

* MERRION OIL & GAS *

WELLBORE SCHEMATIC

Well: Media Entrada Unit No. 7

Location:

990' FSL & 660' FWL

Field: Media Entrada

Sec. 14, T19N, R3W

Sandoval Co, New Mexico

Elevation: 6,849.5' KB

6,837' GL

TOC @ Surface

Bit Size - 12 1/4"

8-5/8" Surface @ 200' KB w/ 150 sx

Hole size - 7 7/8"

Squeeze Casing Hole @ 2,211'-42' w/ 350sx

Tag up w/ 1.5" Temp tools @ 2440' (8-4-88)
Apparent collapsed casing

Formation
Tops

Depth

Lewis	Surface
Mesavende	390
Callup	2844
Dakota	4216
Morrison	4466
Entrada	5248

Entrada Perfs - 5,238'-48' KB 2JSPF

5,252'-58' KB 3JSPF

5,258'-68' KB 2JSPF

PBTD @ 5,299' KB

4 1/2" 10.5# Prod Csg @ 5,310' KB w/300 sx 'C'

50/50 Pozmix TOC @ 1,600'

TD @ 5,310' KB