

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(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

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

At surface

1,335' FNL and 1,980' FEL

At proposed prod. zone

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

15 miles southeast of Cuba, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT. 1,335'
(Also to nearest drig. unit line, if any)

16. NO. OF ACRES IN LEASE

320

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.

645'

19. PROPOSED DEPTH

5500

20. ROTARY OR CABLE TOOLS

Rotary

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

6,850 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

Robert L. Allen

TITLE RIO PUERTO RESOURCE AREA

DATE

MAY 09 1990

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

RECEIVED

NOV 19 1960

U.S. AIR FORCE

OFFICE

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

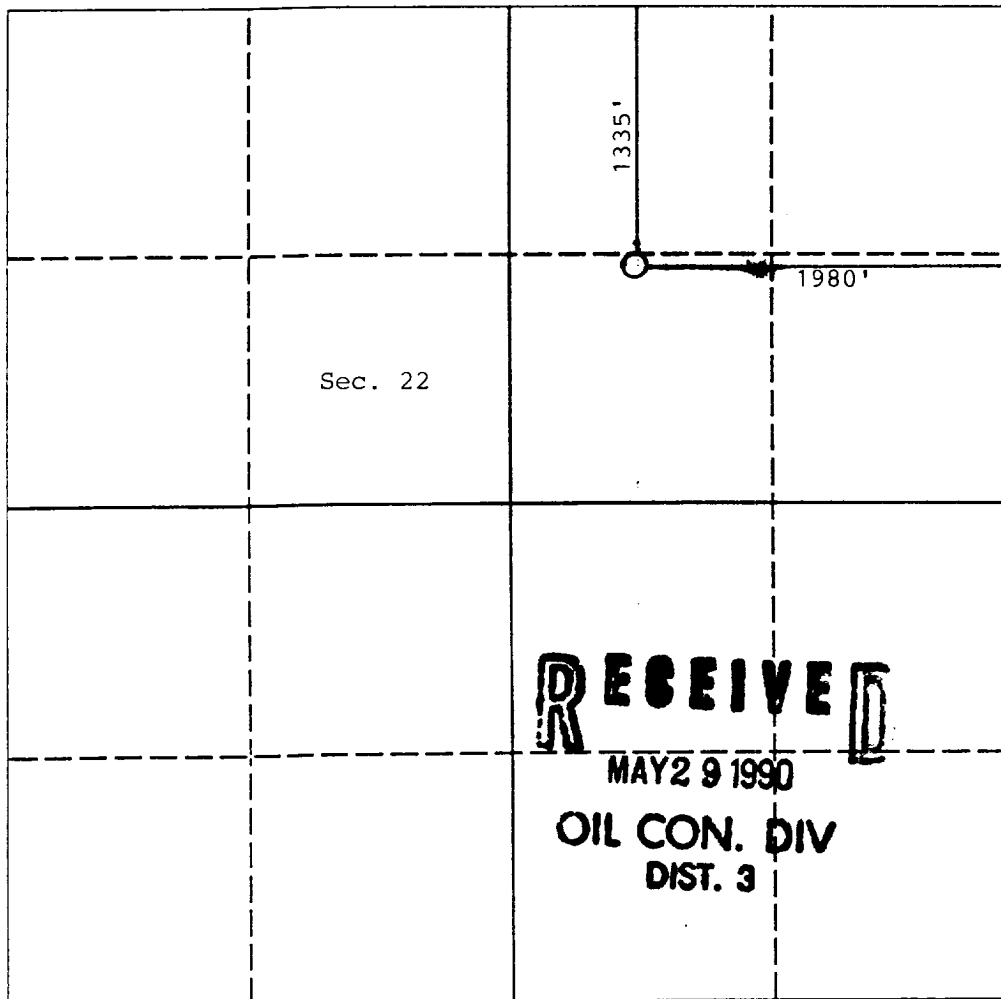
All Distances must be from the outer boundaries of the section

Operator Merrion Oil & Gas Corporation			Lease Miller Federal 22		Well No. 22-7
Unit Letter G	Section 22	Township 19N	Range 3W	County NMPM	Sandoval

Actual Footage Location of Well:

1335 feet from the North line and 1980 feet from the East line			
Ground level Elev. 6850	Producing Formation Manefee	Pool Undesignated Mesaverde	Dedicated Acreage: 40 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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: *George F. Sharpe*

Printed Name
George F. Sharpe

Position
Merrion Oil & Gas Corporation

Date
May 4, 1990

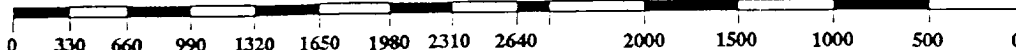
SURVEYOR CERTIFICATION

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.



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GOBLE SYAM

VIC MOD 107
2 120

MERRION OIL & GAS CORPORATION

MILLER FEDERAL 7-22

MENEFEE RECOMPLETION PROCEDURE

LOCATION: 1335' FNL & 1980' FEL ELEVATION: 6850' GL
Section 12, T19N, R3W 6865' KB
Sandoval County, New Mexico

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

- 1) MIRU. ND WH. NU BOPs. POOH with 94 joints of 3-1/2" tubing and Reda pump. Stand back 1600' of 3-1/2" tubing.
- 2) Pick up 2-3/8" workstring. RIH to 5352'. Roll hole with 9.0 ppg mud. Spot 40 sx Class "B" cement plug 5352' to 4975'. (Entrada perfs 5292'-5302'.) (Liner top at 5081'.) WOC. Tag cement top.
- 3) Pull to 4490'. Spot 25 sx Class "B" cement plug from 4490' to 4355'. (Morrison top at 4440'.)
- 4) Pull to 4280'. Spot 25 sx Class "B" cement plug from 4280' to 4145'. (Dakota top at 4230'.)
- 5) Pull to 3242'. Spot 30 sx Class "B" cement plug from 3242'-3109'. (Gallup top at 3192'.)
- 6) WOC. Tag cement. Pressure test casing to 1500 psi. Circ hole clean with produced water. POOH.
- 7) Swab well down to 1500'. RU Wireline. RIH with casing guns and perf 1894'-98', 1950'-70', 1994'-2010' with 2 SPF at 120° (Correlate to Induction Log). Swab test perfs. If water, squeeze with 40 sx. If oil, set RBP at ± 1850'.
- 8) Swab well down to 1300'. RU Wireline. RIH with casing guns and perf 1702'-24' with 2 SPF at 120°. Swab test perfs. If water, squeeze with 30 sx. If oil, continue.
- 9) Pull RBP at 1850'. RIH with 3-1/2" tubing and 7" packer. Set packer at 1650'. Frac well with procedure specified at later date. Flow back to test.
- 10) Release packer. POOH and lay down 3-1/2" tubing. RIH with mud anchor, perforated sub, seating nipple, and ± 2000' of 2-3/8" tubing. ND BOP. NU WH. RIH with 3/4" rods and 1 1/4" pump. RD MOL. (Pumping unit to be specified at a later date.)

IF NO OIL IN ANY ZONES, P&A AS FOLLOWS:

- 9a) Roll hole with 9.0 ppg mud. Spot cement plug 50' below to 50' above open Menefee perms. (25 sx minimum.)
- 9b) Pull to 450'. Spot 25 sx cement plug across Mesaverde top from 450' to 317'.
- 9c) Pull to 278'. Spot 25 sx cement plug across casing shoe from 278' to 145'.
- 9d) Pull to 50'. Spot 10 sx plug to surface.
- 9e) If possible, bullhead 10 sx cement (\pm 50') down 7" - 10-3/4" annulus. RD MOL.
- 9f) Cut off casing. Install P&A marker. Restore location.

GFS/eg

APPROVED: _____

DATE: _____

Miller Federal 7-22 Wellbore Schematic

Location:

Prepared by George Sharpe
4-24-90

1335' FNL 1980' FEL

Sec 22, 19N, 3W

Sandwich CO, NM

Elevation: 6850' GL.

6865' KB

15" hole

10 3/4" 40.5# K55 @ 228'

Cmt w/ 225 sx B w/ 3% Cal
Circ to Surface

8 3/4" hole

7" 23# K55 @ 5266'

DV tool @ 3004'

1st Slg: 285 sx Halliburton lite
w/ 10# 1/2" sk gilsonite
followed w/ 100 sx neat B

2nd Slg: 400 sx Halliburton lite
w/ 10# 1/2" sk gilsonite
followed w/ 50 sx neat B.
Circ to surface

94 jts 3 1/2" tbg

71st K28
ODI pump: 100 HP motor

Tops: Lewis - Surface

Mesa Verde - 400'

Menefee - 1000'

Gallup - 3192'

Dakota - 4230'

Morrison - 4440'

Entrada - 5290'

4 1/2" liner top @ 5081'

4 1/2" 11.6# K55 @ 5465'

Cmt w/ 50 sx Halliburton Latex cmt.
Circ cmt.

6 1/8" hole

Entrada Perfs

5292-5302

@ 4 SPG

4 1/2" Capacity = .0872 ft³/ft

PBTD: 5435'

TD: 5465'