

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 1017, Farmington, New Mexico 87499

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

At surface

1690' FSL and 800' FEL

At proposed prod. zone

Same

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

13 miles North of Counselors

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

1650

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

1800'

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

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

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24 #/ft.	200'	175 sx.
7-7/8"	4-1/2"	11.6 #/ft.	5930'	1025 sx.

Will drill 12-1/4" surface hole to 200 ft. and set 200 ft. of 8-5/8", 24 #/ft. J-55 grade casing with 175 sx Class B cement with 3% CaCl₂. Will drill 7-7/8" hole to 5930 ft. Will run open hole logs. No other testing planned. If well appears productive, will run 5930 ft. of 4-1/2", 11.6#/ft, J-55 grade casing and stage cement. First stage will cement with 225 sx Class H 2% gel (1.22 cu. ft/sk yield) 275 cu. ft. cement to cover Gallup interval from TD. Estimated top of cement is 4830 ft. Will set stage collar at 4650 ft below Point Lookout Formation. Second Stage will cement with 700 sx Class B 2% D-79 (2.06 cu. ft/sk yield) 1442 cu. ft. cement followed by 100 sx Class H 2% gel (1.22 cu. ft/sk yield) 122 cu. ft. cement to cover Mesaverde, Chacra, Pictured Cliffs, Fruitland and Ojo Alamo. Estimated top of cement is 250 ft.

Drilling circulating medium will be low solids non dispersed, low water loss mud using bentonite, starch, CMC and fresh water.

Minimum specifications for pressure control is 10", 900 series double ram blow out preventer.

Will perforate and stimulate as required for completion.

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

TITLE Operations Manager

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED

CONDITION

MAR 30 1984

OIL CON. DIV.
DIST. 3

NMOCC

5. LEASE DESIGNATION AND SERIAL NO.

SF 078874

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Canyon Largo Unit

9. WELL NO.

338

10. FIELD AND POOL, OR WILDCAT

Devils Fork Gallup Assoc

11. SEC., T., R., M., OR BLK.

AND SURVEY OR AREA

Sec. 6, T24N, R6W

12. COUNTY OR PARISH

13. STATE

Rio Arriba

New Mexico

16. NO. OF ACRES IN LEASE

2559

17. NO. OF ACRES ASSIGNED TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

TD

22. APPROX. DATE WORK WILL START*

Spring/summer, 1984

This action is subject to administrative
appeal pursuant to 30 CFR 200.

QUANTITY OF CEMENT

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plat, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

APPLICATION FOR FIRST ESTIMATED TOPSEED FOR MONITORING

NAME	DEPTH	DATE	TYPE OF WELL	STATUS
Ojo Alamo	1510			
Kirtland	1680			
Fruitland	1950			
Pictured Cliffs	2110			
Lewis	2245			
Chacra	2995			
Cliffhouse	3680			
Menefee	3765			
Point Lookout	4328			
Mancos	4578			
Gallup	5470			
TOTAL DEPTH	5930			

[illegible]

PROPOSED CARRYING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
"12-1/4"	"8-3/8-2"	"12-1/4"	"100"
"12-1/4"	"8-1/4-4"	"12-1/4"	"100"

Will cement as required for completion.
Minimum specifications for pressure control are 10", 800 section
nontoxic, strong, CMC and fresh water.

Drilling circulating medium will be low solids non-dispersed, 1
top of cement is 150 ft.
cement to cover intervals. Gravel. Plugged off. Drilling
1442 cu. ft. cement followed by 100 ex Class H 32 gal (1.22 cu.
Formation. Second stage will cement with 700 ex Class H 32-
Estimated top of cement is 4830 ft. Will set surge collar at
Class H 32 gel (1.22 cu. ft./sk yield) 375 cu. ft. cement to cov
of 4-1/2", 11.6%ft, 3-55 grade casing and stage cement. First
run open hole logs. No other testing planned. It will appear
casing with 175 ex Class H cement with 35 Gal. Will drill -
Will drill 13-1/4" surface hole to 300 ft. and set 300 ft. casing

U.S. GOVERNMENT

IN THE MATTER OF THE ESTATE OF JAMES H. HARRIS, DECEASED
 WILLIAM H. HARRIS, Administrator

OPERATIONS MANAGER

TITLE

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UTAH FAX 108 198

CONFIDENTIAL - SECURITY INFORMATION

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO

P. O. BOX 2088

Form C-107

ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

Revised 10-1-78

All distances must be from the outer boundaries of the Section.

Operator MERRION OIL & GAS CORPORATION			Lease CANYON LARGO UNIT		Well No. 338
Unit Letter I	Section 6	Township 24N	Range 6W	County Rio Arriba	
Actual Footage Location of Well: 1690 feet from the South line and 800 feet from the East line					
Ground Level Elev. 6560	Producing Formation Gallup		Pool Devils Fork Gallup		Dedicated Acreage: 160 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 interests 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 interests, has been approved by the Commission.

		RECEIVED MAR 30 1984 OIL CON. DIV. DIST. 3
		RECEIVED FEB 22 1984 BUREAU OF LAND MANAGEMENT FARMINGTON RESOURCE AREA
6		SF 078874

Scale: 1"=1000'

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Steve S. Dunn

Name
Steve S. Dunn

Position
Operations Manager

Company
Merrion Oil & Gas Corp.

Date
1/12/84

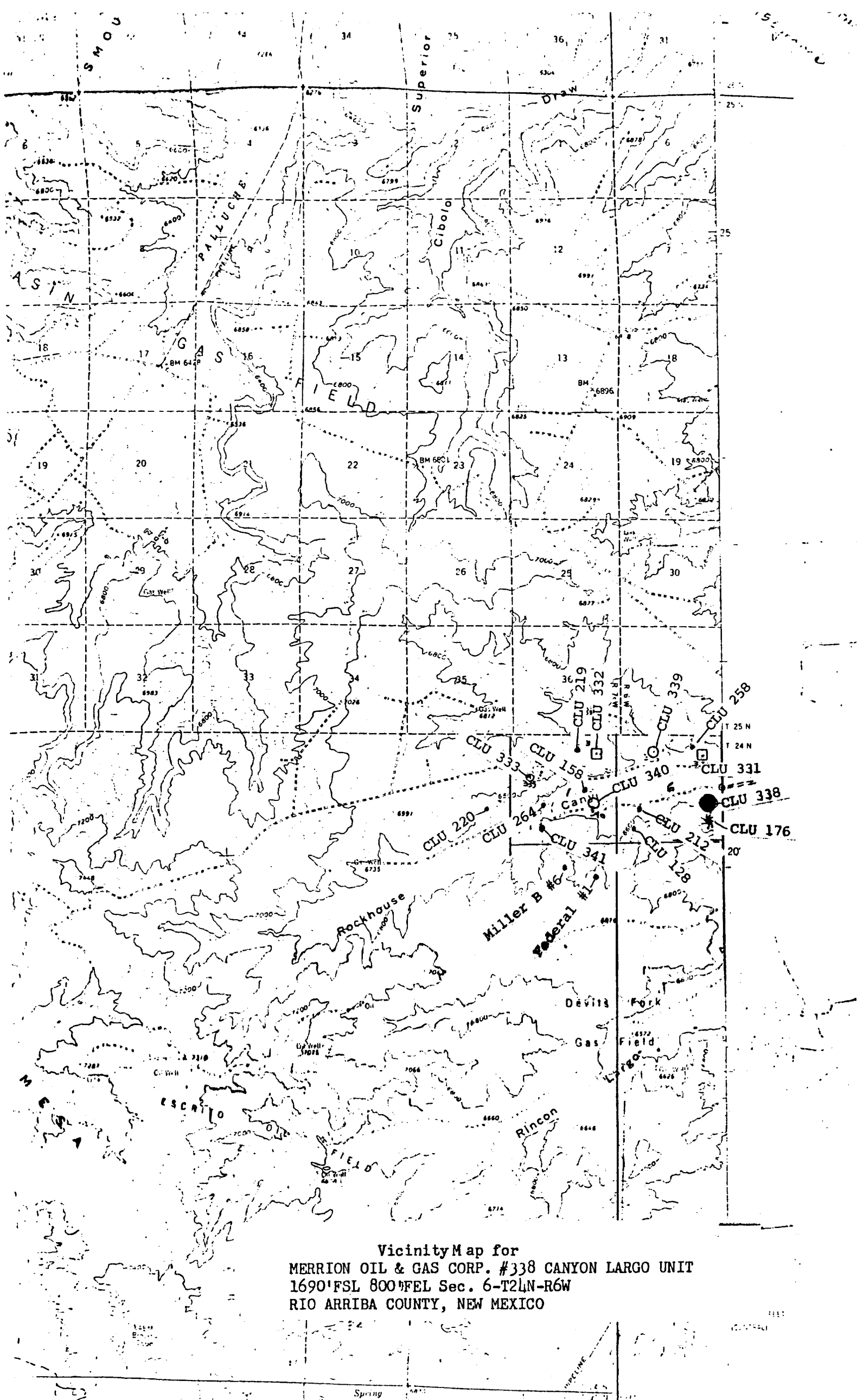
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
December 29, 1983

Registered Professional Engineer
and Land Surveyor

Fred B. Kerr Jr.
Fred B. Kerr Jr.

Certificate No.
3950



Vicinity Map for
MERRION OIL & GAS CORP. #338 CANYON LARGO UNIT
1690' FSL 800' FEL Sec. 6-T2LN-R6W
RIO ARRIBA COUNTY, NEW MEXICO