

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-039-23314

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 790' FSL and 790' FWL  
 At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 16 Miles North of Counselors, New Mexico

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
 530'

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 1780'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 6626' GL

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 (360.5 cu. ft.)
7-7/8"	4-1/2"	10.5 #/ft.	6400'	900 sx (1098 cu. ft.)

We will drill a 12-1/4" hole to 200 ft and set 200 ft. of 8-5/8", K-55, 24#/ft casing with 175 sx Class B cement with 3% CaCl<sub>2</sub>. Will run open hole logs and if appears productive, will run 6400' of 4-1/2", K-55, 10.5 #/ft. casing and cement with 900 sx Class H cement, 50-50 Poz mix with 2% gel. Circulating medium will be clear water and clay. Will set stage collar at approximately 4940' and bring cement up across Ojo Alamo formation. Will perforate and stimulate as required. Minimum specifications for pressure control equipment which is to be used - 10", 900 series double ram BOP.

	Estimated Tops		
Ojo Alamo	2025	Cliffhouse	4105
Kirtland	2115	Menefee	4145
Fruitland	2355	Point Lookout	4710
Pictured Cliffs	2555	Mancos	4940
Lewis	2700	Gallup	5915
Chacra	3390	TD	6400

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 [Signature] TITLE Operations Manager

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

5. LEASE DESIGNATION AND SERIAL NO.  
SF 080136

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Salazar G Com 23

9. WELL NO.  
23-1

10. FIELD AND POOL, OR WILDCAT  
Devils Fork Gallup Assoc

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 23, T25N, R6W

12. COUNTY OR PARISH  
Rio Arriba

13. STATE  
New Mexico

RECEIVED  
SEP 27 1983  
BUREAU OF LAND MANAGEMENT  
FARMINGTON RESOURCE AREA

This action is subject to administrative appeal pursuant to 30 CFR 250.

APPROVED AS AMENDED  
OCT 04 1983  
[Signature]  
AREA MANAGER  
FARMINGTON RESOURCE AREA

NMOCO

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

Operator <b>MERRION OIL &amp; GAS CORPORATION</b>			Lease <b>SALAZAR COM</b>		Well No. <b>23-1</b>
Unit Letter <b>M</b>	Section <b>23</b>	Township <b>25N</b>	Range <b>6W</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well: <b>790</b> feet from the <b>South</b> line and <b>790</b> feet from the <b>West</b> line					
Ground Level Elev: <b>6626</b>	Producing Formation <b>Gallup</b>		Pool <b>Devils Fork Gallup</b>		Dedicated Acreage <b>160</b> Acres

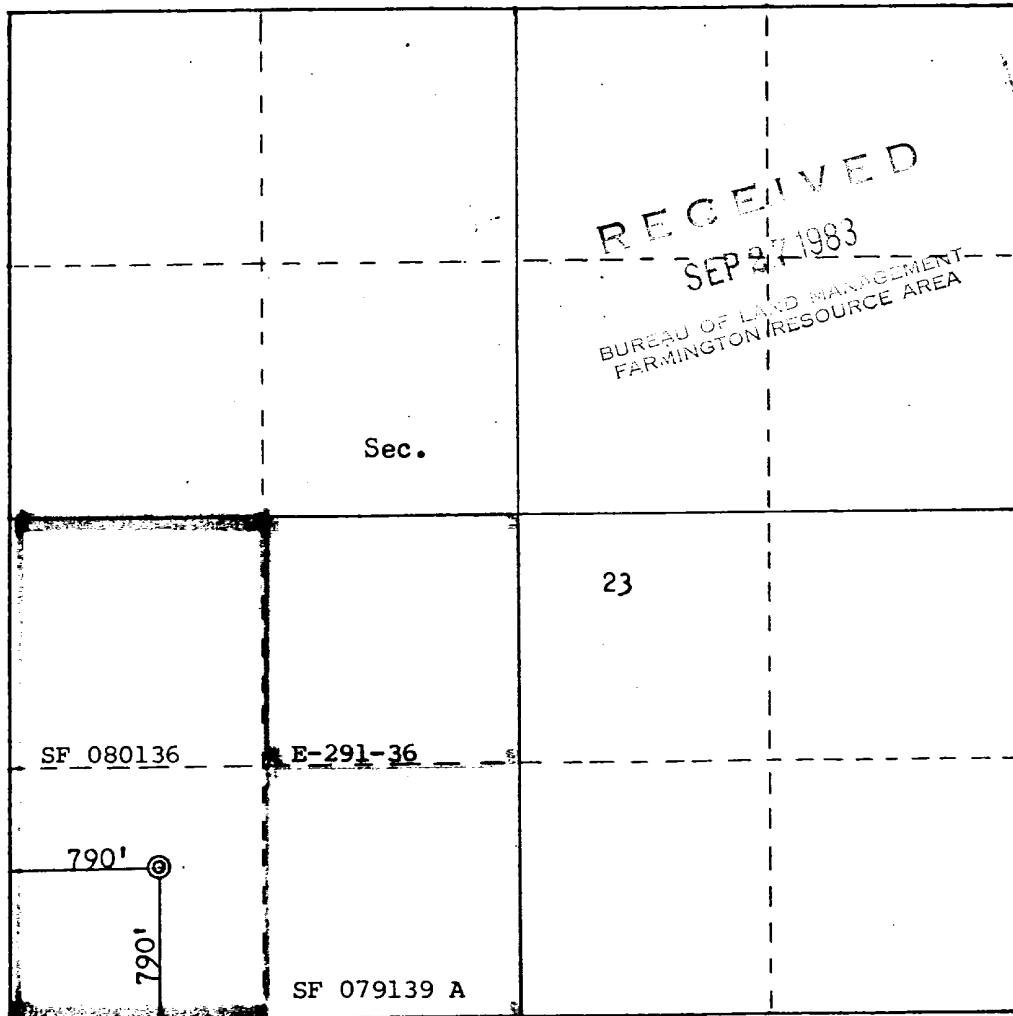
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership, acreage, and working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

**RECEIVED**  
OCT-6 1983  
OIL CON. DIV.  
DIST. 3

Yes  No If answer is "yes," type of consolidation Communitized

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.



Scale: 1"=1000'

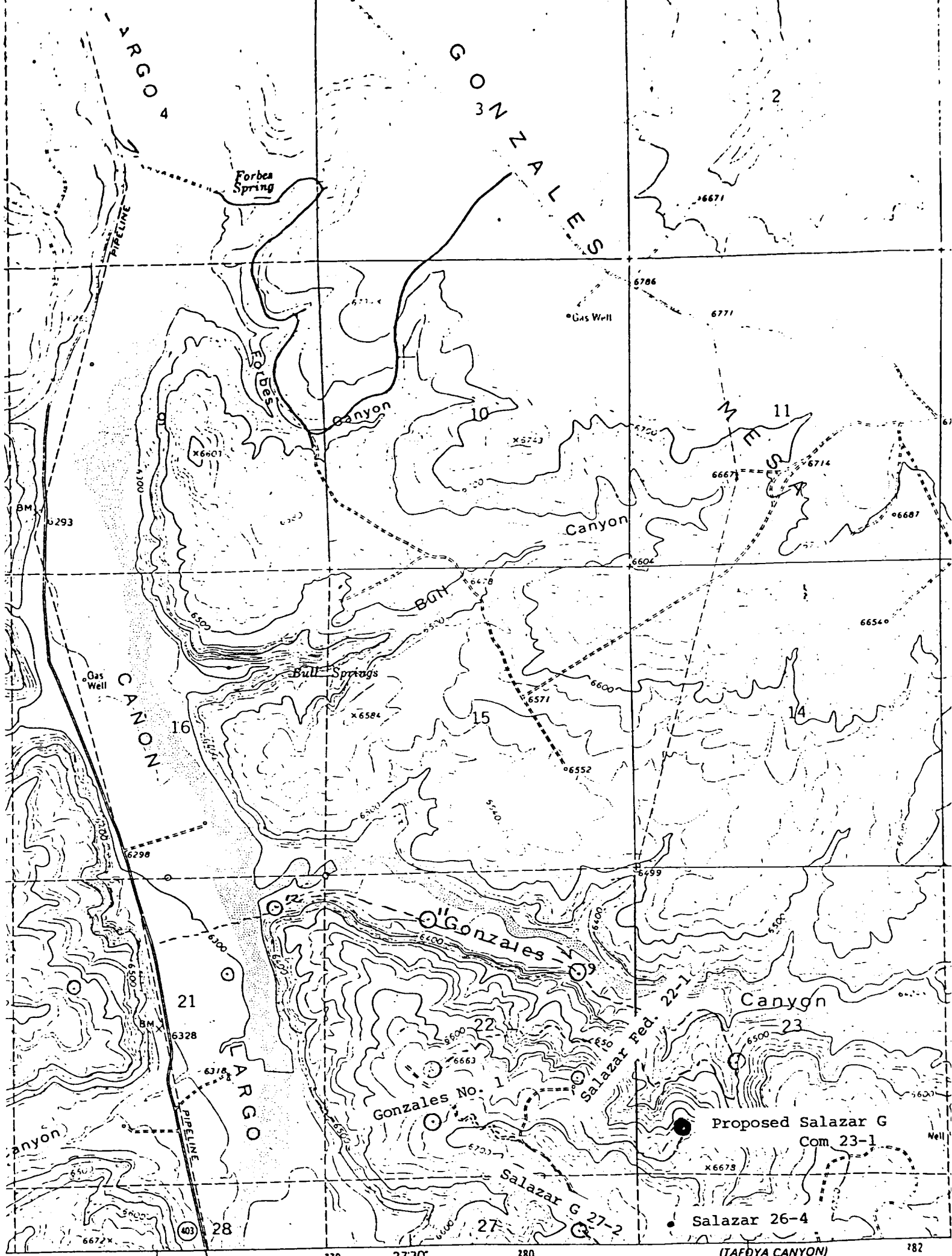
**CERTIFICATION**

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  
8/20/83

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  
August 29, 1983  
Registered Professional Engineer and Land Surveyor  
*Fred B. Kerr Jr.*  
Fred B. Kerr Jr.  
Certificate No. **3950**



Geological Survey

63  
Central zone

Vicinity Map for  
**MERRION OIL & GAS CORPORATION #23-1 SALAZAR COM**  
 790'FSL 790'FWL Sec. 23-T25N-R6W  
 RIO ARRIBA COUNTY, NEW MEXICO

SCALE 1:24 000  
 140 000 FEET  
 COUNSELORS IN. MEX. 44114 MI.  
 (TAFUYA CANYON)  
 4556 IV SW  
 SCALE 1:24 000  
 0 1000 0 1000 2000 3000 4000 5000  
 14000 14100 14200 14300 14400 14500 14600 14700 14800 14900 15000  
 279 2730 280 282  
 UTM GRID AND 1963 MAGNETIC NORTH  
 DECCINATION AT CENTER OF SHEET  
 THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDAR  
 FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225. OR F  
 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND S YMBOLS IS AVAILAB

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