

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-039-22888

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  
 Merriam Oil and Gas Corp.  
 J. Gregory Merriam & Robert L. Bayless

3. ADDRESS OF OPERATOR  
 P.O. Box 507, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
 At surface: 2052 FM & 810 FWL  
 At proposed prod. zone: same

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

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

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

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 6624 Ground

23. PROPOSED CASING AND CEMENTING PROGRAM

5. LEASE DESIGNATION AND SERIAL NO.

SF-078874 & SF-078957

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Canyon Largo Unit

9. WELL NO.

309

10. FIELD AND POOL, OR WILDCAT

Devils Fork Gallup Ext.

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

E Sec. 4, T24N, R6W

12. COUNTY OR PARISH 13. STATE

Rio Arriba NM

16. NO. OF ACRES IN LEASE  
 2559

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 178.75

19. PROPOSED DEPTH  
 5819

20. ROTARY OR CABLE TOOLS  
 Rotary

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

22. APPROX. DATE WORK WILL START\*  
 August 15, 1981

This action is subject to administrative appeal pursuant to 30 CFR 290.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	200'	150 sacks
7-7/8"	4-1/2"	10.5#	5819'	500 sacks

Will drill 12-1/4" hole to 200 ft. and set 200 ft. of 8-5/8", K-55, 24#, used casing with 150 sacks Class B cement w/3% CACL<sub>2</sub>. Will run open hole logs and if appears productive will run 5819' of 4-1/2", K-55, 10.5#, used casing and cement with 500 sacks Class H cement, 50-50 pozmix w/2% gel. Circulating medium will be clear water and clay. Will set stage collar at approximately 4404 ft. 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

San Jose-----Surface	Pic. Cliffs-----2244'
Ojo Alamo-----1564'	Cliff House-----3709'
Kirtland-----1859'	Toint Lookout--4409'
Fruitland-----1994'	Gallup-----5315'

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 depth. Give preventer program, if any.

24. SIGNED Robert L. Bayless TITLE Operator DATE July 10, 1981

(This space for Federal or State office use)

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

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

CONDITIONS OF APPROVAL, IF ANY:  
 Needs NWU from Aztec office Hold C104 for it

RECEIVED  
 JAN 15 1982  
 OIL CON. DIV.  
 APPROVED AS AMENDED  
 DATE JAN 13 1982  
 Dean Elliott  
 JAMES F. O'S  
 DISTRICT ENGINEER

AMCOG

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102  
Supersedes C-128  
Effective 1-1-65

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

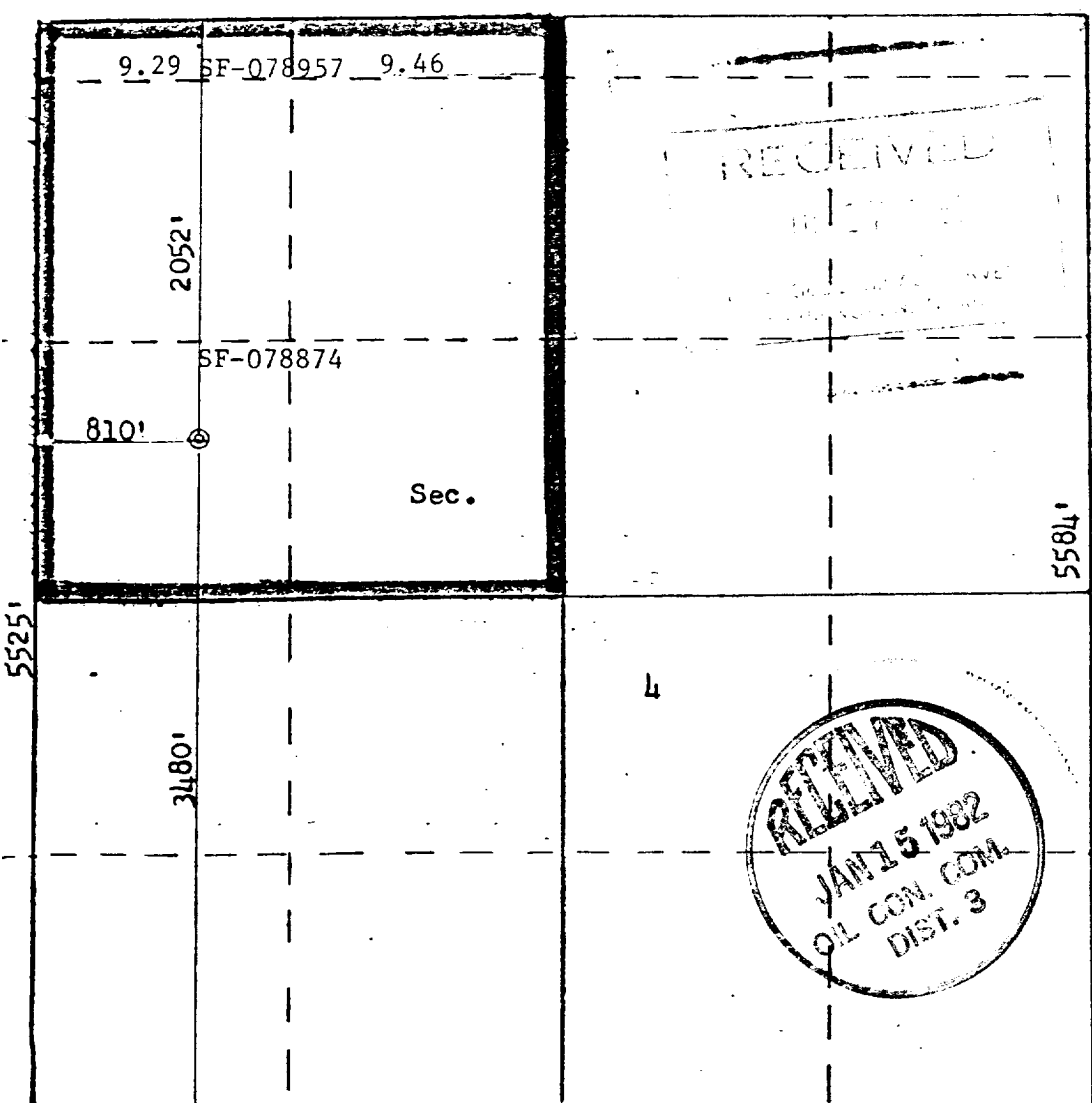
MERRION & BAYLESS			Lease <b>CANYON LARGO UNIT</b>		Well No. <b>309</b>
Section <b>4</b>	Township <b>24N</b>	Range <b>6W</b>	County <b>Rio Arriba</b>		
Actual Footage Location of Wells <b>2052</b> feet from the <b>North</b> line and <b>810</b> feet from the <b>West</b> line					
Ground Level Elev. <b>6624</b>	Producing Formation <b>Gallup</b>	Pool <b>Devils Fork Gallup Ext.</b>	Dedicated Acreage: <b>178.75</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 thereof (both as to working interest and royalty). Both leases have identical ownership.
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.



<b>CERTIFICATION</b>	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Name	<i>Robert L. Bayless</i>
Position	Co-Owner
Company	Merrion & Bayless
Date	July 10, 1981
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	June 23, 1981
Registered Professional Engineer and Surveyor	<i>[Signature]</i>
3950	