

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

R. E. Lawritson  
J. Gregory Merriam & Robert L. Bayless

## 3. ADDRESS OF OPERATOR

P.O. Box 1541, Farmington, NM 87401

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

At surface

760' FSL &amp; 900' FEL

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 drilg. 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.)

6883' 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"	J-55 28#	200'	175 sacks
7-7/8"	4-1/2"	K-55 10.5#	6000'	875 sacks

GENERAL RECOMMENDATIONS

Note paragraphs:  
4B & 15C

Will drill 12-1/4" hole to 200 ft. and set 200 ft. of 8-5/8", 28# casing with 175 sacks cement. Will drill 7-7/8" hole to 6000 ft. and run open hole logs. If appears productive will run 6000 ft. of 4-1/2", 10.5#, new casing and cement with 875 sacks. Will set stage collar at approximately 4650 ft. and bring cement 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

Formation	Depth	Content
Ojo Alamo	1400'	
Pictured Cliffs	2075'	salt water
Mesa Verde	2890'	salt water
Gallup	5480'	oil, salt water

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

Engineer

DATE

August 26, 1981

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

(Orig. Sgd.) RAYMOND W. VINYARD

DISTRICT ENGINEER

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

Operator <b>MERRION &amp; BAYLESS</b>			Lease <b>Scarecrow</b>		Well No. <b>1</b>
Unit Letter <b>P</b>	Section <b>4</b>	Township <b>24N</b>	Range <b>8W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>760</b> feet from the <b>South</b> line and <b>900</b> feet from the <b>East</b> line					
Ground Level Elev. <b>6883</b>	Producing Formation <b>Gallup</b>		Pool <b>Wildcat</b>		Dedicated Acreage: <b>40</b> 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 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.

Scale: 1"=1000'

CERTIFICATION

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

Name  
**Steven S. Dunn**  
Position  
**Engineer**  
Company  
**Merrion & Bayless**  
Date  
**August 26, 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  
**August 21, 1981**  
Registered Professional Engineer and Land Surveyor  
**Frederic B. Kerr Jr.**  
Certification No.  
**3950**  
**KERR, JR.**