

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY30-039-22849
5. LEASE DESIGNATION AND SERIAL NO.

NM-28696

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cotton

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Gavilan Pic. Cliffs Ext.

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

E Sec. 5, T24N, R1W

12. COUNTY OR PARISH 13. STATE

Rio Arriba

NM

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

J. Gregory Merrion & 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 1850' FNL & 900' FWL
950'

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)

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED
TO THIS WELL

163.51

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

19. PROPOSED DEPTH

3750'

20. ROTARY OR CABLE TOOLS

Rotary

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

7475' GL

22. APPROX. DATE WORK WILL START*

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|---------------------------------|
| 9-3/4" | 7" | 23# | 90' | 50 sacks, circulated to surface |
| 5-1/8" | 3-1/2" | 9.3# | 3750' | 250 sacks |

Will drill 9-3/4" hole to 90 ft. and set 90 ft. of 7", 23#, J-55 used casing with 50 sacks Class H cement, circulated to surface. Will drill 5-1/8" hole to 3750 ft., run logs, and if appears productive will run 3750' of 3-1/2", EUE, J-55, used casing and cement with 250 sacks Class H w/2% gel. Circulating medium will be clear water, natural mud and water-loss control additives. No abnormal pressures or temperatures are anticipated. Blowout preventer schematic is attached. The gas from this formation is not dedicated to a gas contract.

ESTIMATED TOPS

Surface - Undifferentiated Tertiary
Ojo Alamo - 3350'
Kirtland - 3500'
Fruitland - 3555'
Pictured Cliffs - 3600'

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

Operator

DATE

09-30-81

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

JAE

OCT-26 1981

NMOCC

RECEIVED

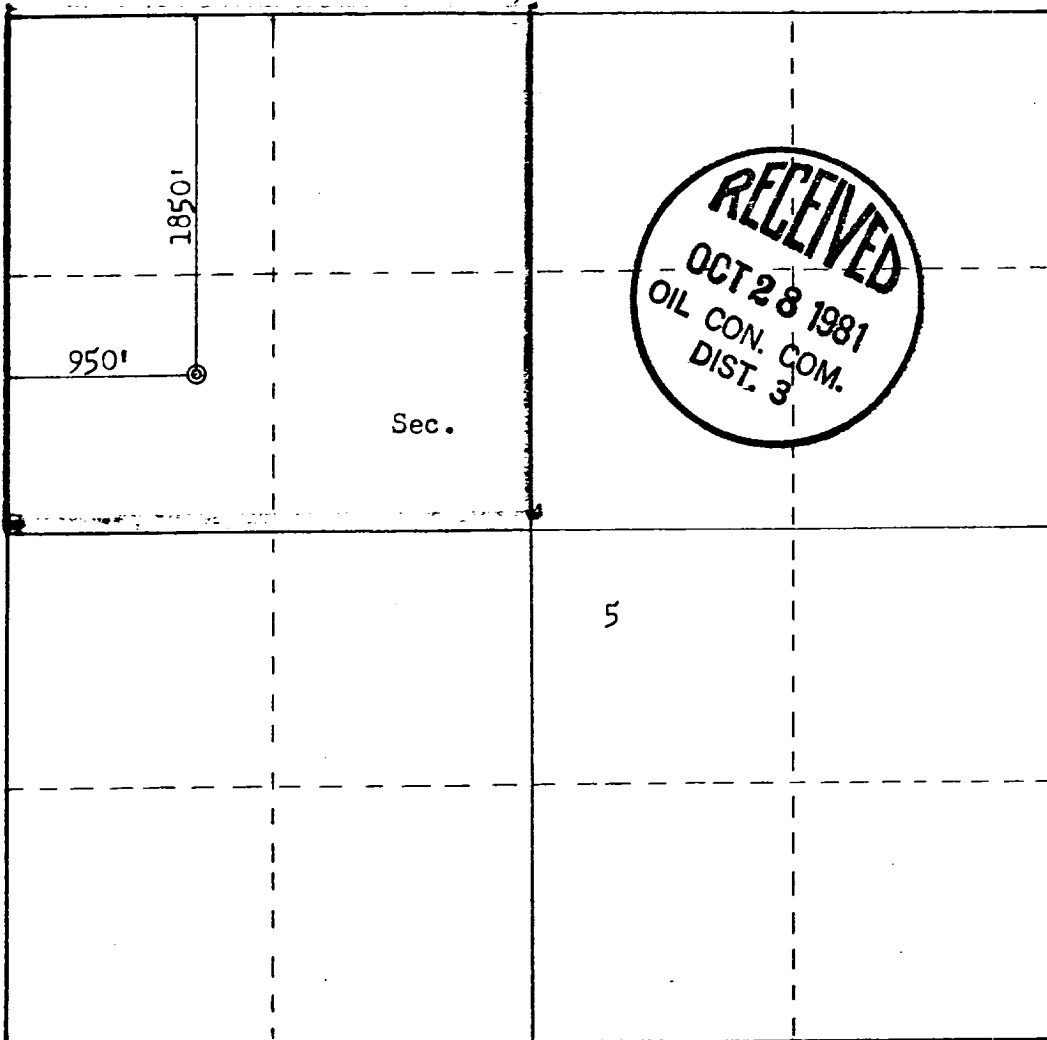
| | | | | | |
|---|---|------------------------|-----------------------------------|-----------------------------|---|
| Operator MERRION & BAYLESS | | | Lease COTTON | | |
| Unit Letter E | Section 5 | Township 24N | Range 1W | County Rio Arriba | |
| Actual Footage Location of Well: 1850 feet from the North line and 950 feet from the West line | | | | | |
| Ground Level Elev. 7475 | Producing Formation Pictured Cliffs | | Pool Gavilan P. C. Ext. | | Dedicated Acreage: 163.51 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.



CERTIFICATION

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

J. GREGORY MERRION

Name

Position

CO-Owner

Company

MERRION & BAYLESS

Date

October 12, 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 Survey

October 12, 1981

Registered Professional Engineer and Land Surveyor

Fred B. Kerr, Jr.

Certificate No.

3950

MERRION & BAYLESS
Cotton #1
1750' FNL & 900' FWL
Section 5, T24N, R1W
Rio Arriba County, NM
Lease #NM-28696

Lindrith
Road →

6 Federal J

#6-1-J Federal

Cotton #1

#1 Palmer

#12 Federal B

Existing Access: _____

Proposed Access: _____

Water Source: _____

Existing Facilities: (none)