

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

William Gruenerwald & Associates, Inc.

3. ADDRESS OF OPERATOR

P. O. Box 909, Colorado Springs, Colorado 80901

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

At surface 610' from North Line & 570' from East Line

Sec. 26-T23N-R20W San Juan County, New Mexico

At proposed prod. zone

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

Approx. 10 miles by

mtn. logging road or 2 airline miles w. of Toadlona (Indian School)

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

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

570'

16. NO. OF ACRES IN LEASE

1120

17. NO. OF ACRES ASSIGNED
TO THIS WELL80 acres, ~~more or less~~

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

± 3960'

19. PROPOSED DEPTH

4,300'

20. ROTARY OR CABLE TOOLS

Rotary

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

Ground 9001'

22. APPROX. DATE WORK WILL START*

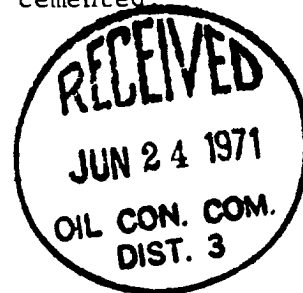
July 1, 1971

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 $\frac{1}{4}$ "	8-5/8"	24 lbs.	1,300'	500 sx or circulated
7-7/8"	4 $\frac{1}{2}$ "	9 $\frac{1}{2}$ lbs.	4,300'	200 sx

Propose to drill 12 $\frac{1}{4}$ " surface hole to approximately 1300' at a good casing seat. Set 8-5/8" surface casing at this point and circulate cement to surface. Drill out with 7-7/8" bit to a depth of approximately 4300'. Run Dual Induction, and Formation Density Logs. If productive, 4 $\frac{1}{2}$ " casing will be set and cemented.



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

W. R. Braley

TITLE

Engineer

DATE

June 17, 1971

(This space for Federal or State office use)

PERMIT NO.

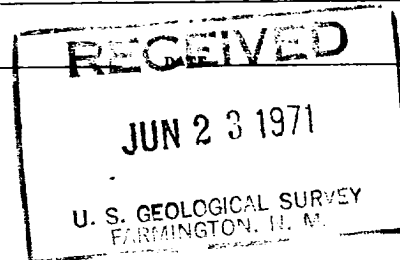
APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

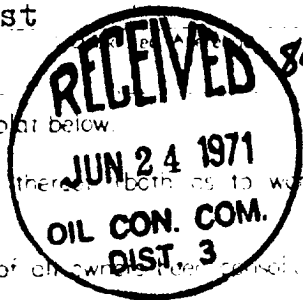
*See Instructions On Reverse Side



NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

Owner: **Wm. Gruenerwald & Associates, Inc.** Lease: **Navajo** Well No: **Navajo #2**
Unit: **A** Section: **26** Township: **23 North** Range: **20 West** County: **San Juan**
Actual Surface Location of Well: **610** feet from the **North** line and **570** feet from the **East** line.
Producing Formation: **9001**

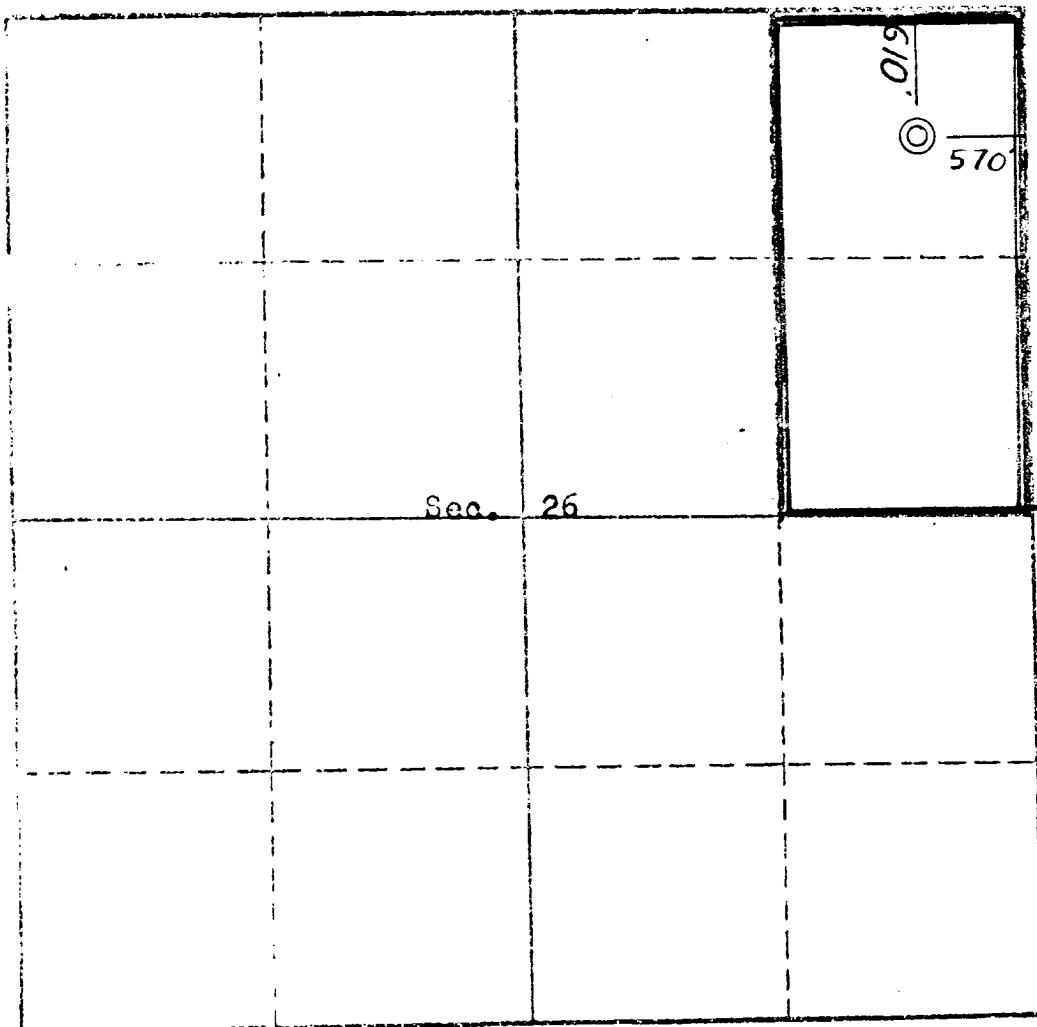


- Outline the acreage dedicated to the subject well by colored pencil or machine marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof, both as to working interest and royalty.
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners consolidated by communitization, unitization, forced pooling, etc?

Yes ☐ No ☐ If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually 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.

Name: **W. R. Braley**
Position: **Engineer**

Company: **William Gruenerwald & Assoc, Inc.**

Date: **June 21, 1971**

I hereby certify that the well location shown on this plat was plotted from field notes or 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 25, 1971**

Registered Professional Engineer and/or Land Surveyor

3601
Certificate No.

Scale, 1 inch = 1,000 feet