

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-015-25469

## 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

Fred Pool Drilling Inc. ✓

3. ADDRESS OF OPERATOR

P.O. Box 1393 Roswell, N.M. 88201

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

At surface

990 FNL &amp; 330 FWL

At proposed prod. zone

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

12 miles NW of Loco Hills, N.M.

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

330 ft.

16. NO. OF ACRES IN LEASE

542

17. NO. OF ACRES ASSIGNED

TO THIS WELL

25.60

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

none

19. PROPOSED DEPTH

2600 ft.

20. ROTARY OR CABLE TOOLS

Cable tools

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

3665 GL

22. APPROX. DATE WORK WILL START\*

Nov. 15, 1985

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#	350 ft.	sufficient to circulate
7 7/8	4 1/2 - 5 1/2	9.5 - 14#	2600 ft.	650 sx.

Posted  
ID-1, NL, API  
11-15-85

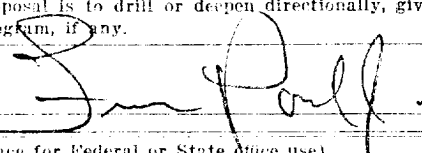
Pay zone will be completed in a prudent manner for optimum production.

- Attached are:
- 1) Well location & acreage dedication plat
  - 2) Supplemental drilling data
  - 3) Surface use plan
  - 4) Designation of operator
  - 5) Archaeological Survey

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 prevention program, if any.

24.

SIGNED



TITLE

President

DATE

10-28-85

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

11-7-85

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED25.60  
acres

# W . LOCATION AND ACREAGE DEDICAT . PLAT

Supersedes C-128  
Effective 1-1-65

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

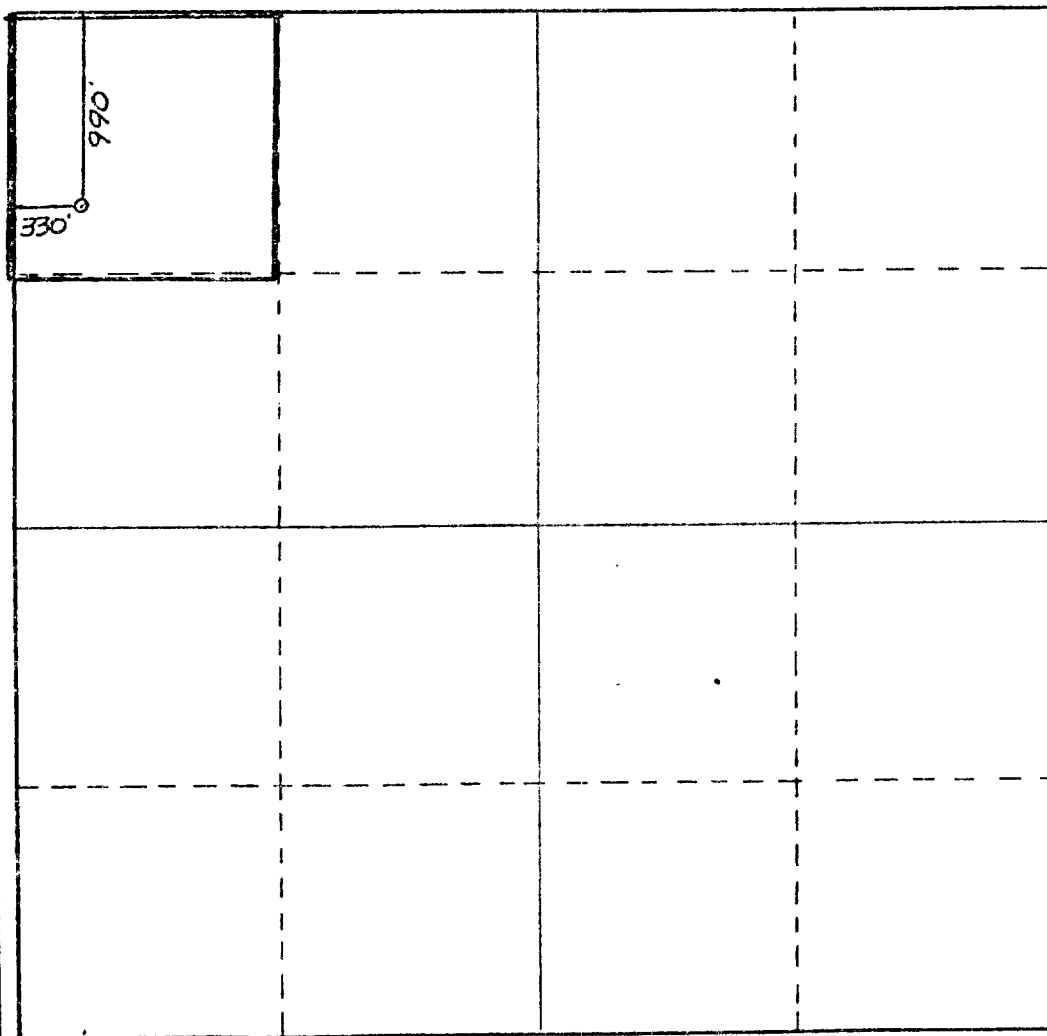
Operator <b>Fréd Pool Drilling Inc.</b>			Lease <b>Max Federal</b>			Well No. <b>2</b>		
Unit Letter <b>D</b>	Section <b>30</b>	Township <b>16 South</b>	Range <b>29 East</b>	County <b>Eddy</b>				
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> <span><b>990</b> feet from the <b>North</b> line and</span> <span><b>330</b> feet from the <b>West</b> line</span> </div>								
Ground Level Elev. <b>3665.</b>	Producing Formation <b>Penrose</b>		Pool <b>East Red Lake</b>			Dedicated Acreage: <b>25.60</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).
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

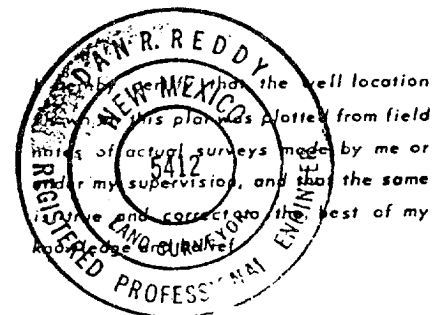
*I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.*

Name  
**Fred Pool Jr.**

Position  
**President**

Company  
**Fred Pool Drlg, Inc.**

Date  
**8/20/85**



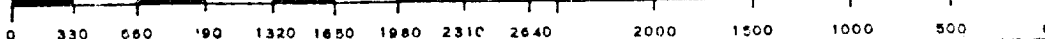
Date Surveyed  
**July 30, 1985**

Registered Professional Engineer  
and/or Land Surveyor

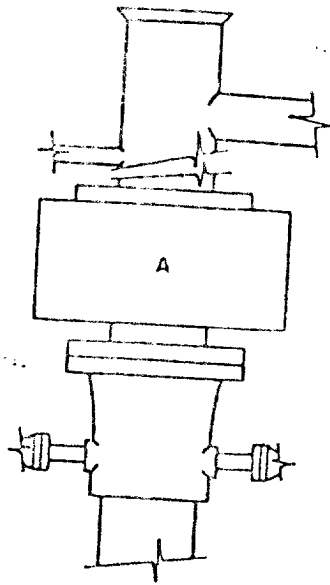
*Dan R. Reddy*

Certificate No.

**NM PE&LS #5412**



BLOWOUT PREVENTER ARRANGEMENT  
FRED POOL DRILLING, INC.  
WELL #2 MAX FEDERAL  
NW $\frac{1}{4}$ NW $\frac{1}{4}$  SEC. 30-16S-29E  
Eddy County, New Mexico



ARRANGEMENT A

SUPPLEMENTAL DRILLING DATA

FRED POOL DRILLING, INC.  
WELL #2 MAX FEDERAL  
NW $\frac{1}{4}$ NW $\frac{1}{4}$  SEC. 30-16S-29E  
Eddy County, New Mexico

1. SURFACE FORMATION: Artesia Group of Permian Age. (Elev. 3665 feet).
2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Yates	800'	Queen	1600'
Seven Rivers	1350'	San Andres	2400'

3. ANTICIPATED POROSITY ZONES:

Water	-	Above 275'
Oil	-	1500 - 2300'

4. CASING DESIGN:

<u>Size</u>	<u>Interval</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>
8 5/8"	0 - 300'	24.0#	J-55	STC
5 1/2"	0 - 2600'	9.5 - 14#	J-55	STC

5. SURFACE CONTROL EQUIPMENT: A ~~double ram type or similar~~ BOP will be used.
6. ~~CIRCULATING MEDIUM~~: Salt water mud conditioned as necessary for control of viscosity and water loss. Fresh water used on surface hole.
7. AUXILIARY EQUIPMENT: None considered necessary on this shallow development well.
8. TESTING, LOGGING AND CORING PROGRAMS: No coring or DST's are planned. Electric logs will include a Compensated Neutron Log with Gamma Ray.
9. ABNORMAL PRESSURES, TEMPERATURES OR GASES: None Anticipated.
10. ANTICIPATED STARTING DATE: It is planned that operations will commence about December 1, 1985. Duration of drilling, completion and testing operations should be one to five weeks.



EXHIBIT "D"  
SKETCH OF WELL PAD  
FRED POOL DRILLING, INC.  
WELL #2 MAX FEDERAL  
NW $\frac{1}{4}$ NW $\frac{1}{4}$  SEC. 30-16S-29E  
Eddy County, New Mexico

