

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

08810

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM 9987	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Fred Pool Drilling, Inc.		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P.O. Box 1393 Roswell, N.M. 88201		8. FARM OR LEASE NAME Max Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with State requirements.) At surface 2310 FSL and 1076 FWL At proposed prod. zone		9. WELL NO. 4	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OF ICE* Appx. 13 Miles NW Loco Hills		10. FIELD AND POOL, OR WILDCAT Ind East Red Lake-Q-G	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 30-T16S-29E	
16. NO. OF ACRES IN LEASE 40		12. COUNTY OR PARISH Eddy	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE NM	
18. DISTANCE FROM PROPOSED* TO NEAREST WELL DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. nonr		14. ROTARY OR CABLE TOOLS cable tool	
19. PROPOSED DEPTH 2600'		22. APPROX. DATE WORK WILL START* Feb. 10, 1987	
20. ELEVATIONS (Show whether DF, RT, GR, etc.) 3680' Gr. 3683			

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8	24#	300-1700'	sufficient to circulate
7 7/8	4 1/2 or 5 1/2	9.5#-14#	2500'	650 sx.

ATTACHED ARE: 1. Well Location and Acreage Dedication Plat  
2. Supplemental Drilling Data  
3. Surface Use Plan

Archaeological Survey will be mailed in by Jim Sciscenti.

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 Penta Pool TITLE Vice President DATE 1-9-87  
(This space for Federal or State office use)

PERMIT NO. 08810 APPROVAL DATE 2-9-87  
APPROVED BY Orig: Sgd. C. S. P. S. TITLE DATE  
COMMISSIONER OF APPROVAL

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.

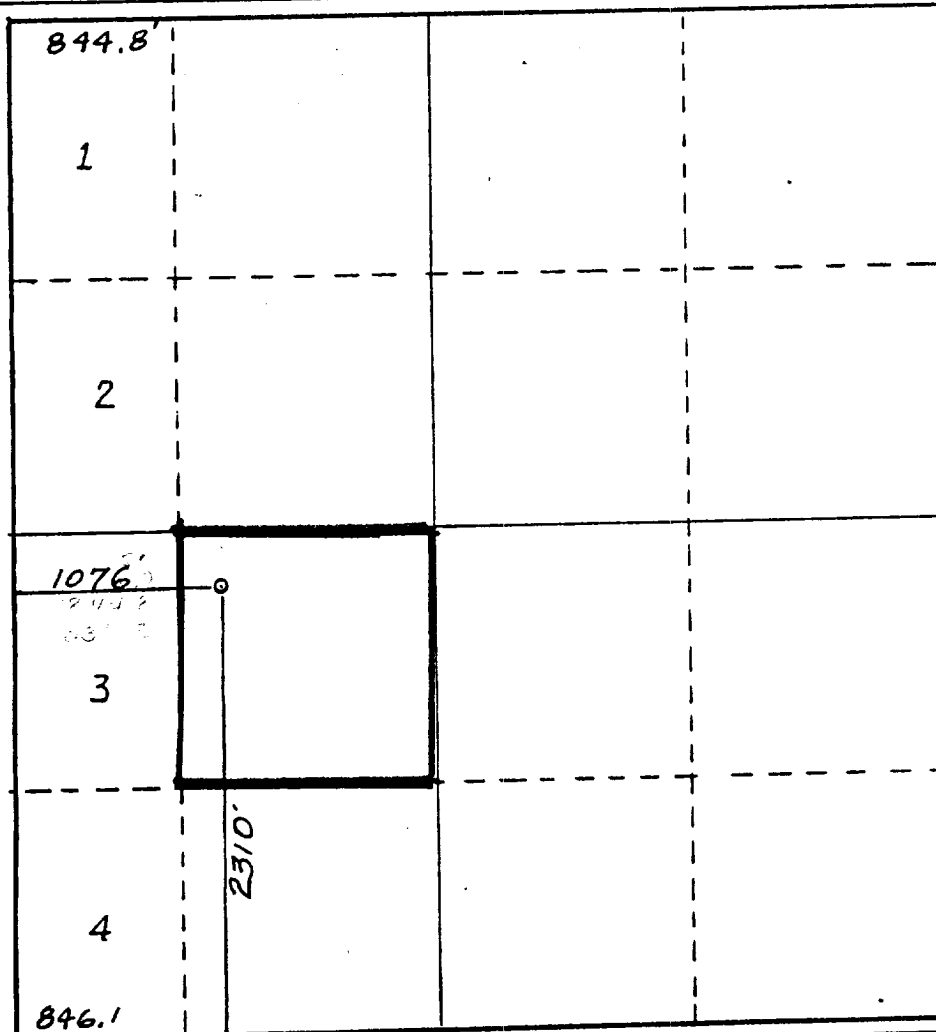
Operator <b>FRED POOL DRILLING INC.</b>			Lease <b>Max Federal</b>		Well No. <b>4</b>
Unit Letter <b>K</b>	Section <b>30</b>	Township <b>16 South</b>	Range <b>29 East</b>	County <b>Eddy</b>	
Actual Footage Location of Well: <b>2310</b> feet from the <b>South</b> line and <b>1076</b> feet from the <b>West</b> line					
Ground Level Elev. <b>3683.</b>	Producing Formation <b>Penrose &amp; Green</b>		Pool <b>East Red Lake</b>		Dedicated Acreage: <b>40</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.

Penta Pool

Name

Vice President

Position

Fred Pool Drilling, Inc.

Company

Jan. 10, 1987

Date

*Penta Pool*

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

December 27, 1986

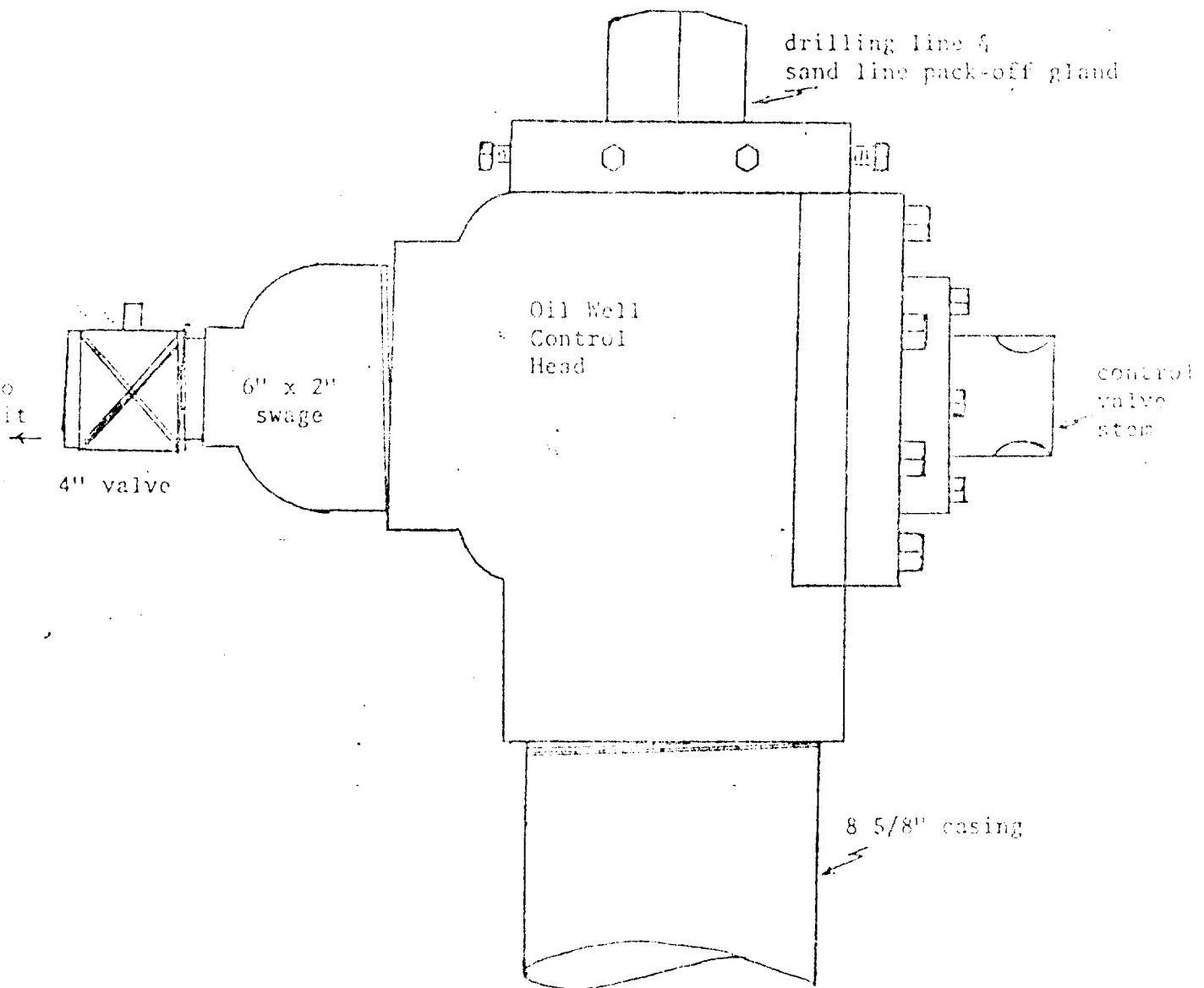
Registered Professional Engineer and/or Land Surveyor

*Jan R. Reddy*

Certificate No.

NM PE&LS NO. 5412

SUPPLEMENTAL DRILLING DATA



Cable Tool Control Head

## SUPPLEMENTAL DRILLING DATA

FRED POOL DRILLING, INC.  
WELL #4 MAX FEDERAL  
NE/4 SW/4 SEC. 30-16S-29E  
EDDY COUNTY, NEW MEXICO

1. SURFACE FORMATION: Artesia Group of Permian Age. (Elev. 3680 Feet).

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Yates	275'	Grayburg	1650'
Seven Rivers	475'	San Andres	2050'
Queen	1225'	Lovington Sand	2200'

3. ANTICIPATED POROSITY ZONES:

Water	-	Above 300'
Oil	-	1500' - 2300'

4. CASING DESIGN:

Size	Interval	Weight	Grade	Joint
8 5/8"	0 - 350'	24.0#	J-55	STC
4 1/2" - 5 1/2"	0 - 2600'	9.5# - 14.0#	J-55	STC

5. SURFACE CONTROL EQUIPMENT: A control head BOP will be used.

6. AUXILIARY EQUIPMENT: None considered necessary on this shallow development well.

7. TESTING, LOGGING AND CORING PROGRAMS: No coring or DST's are planned. Electric logs will include a Compensated Neutron Log with Gamma Ray.

8. ABNORMAL PRESSURES, TEMPERATURES OR GASES: None anticipated.

9. ANTICIPATED STARTING DATE: It is planned that operations will commence about . Duration of drilling, completion and testing operations should be one to five weeks.

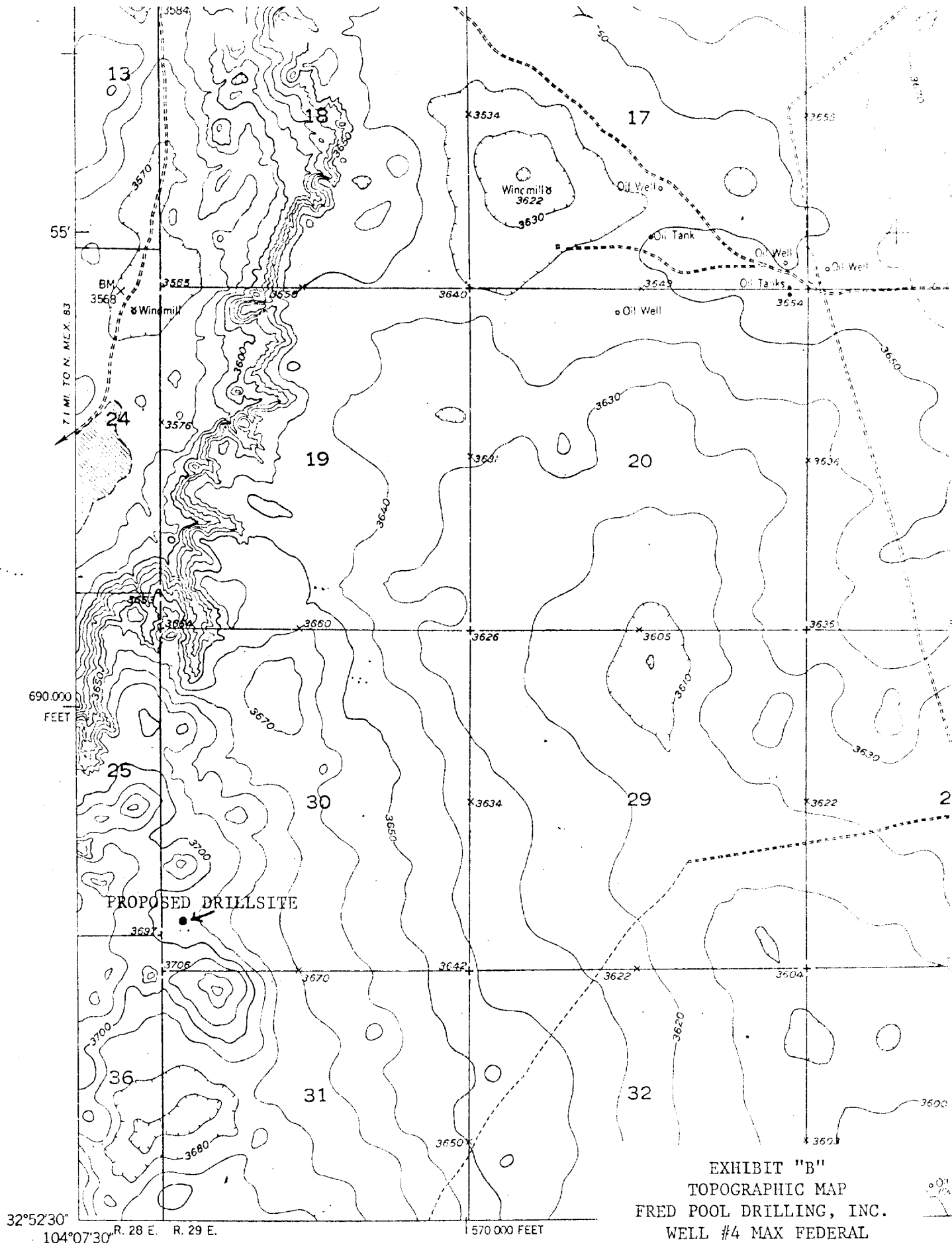


EXHIBIT "B"  
 TOPOGRAPHIC MAP  
 FRED POOL DRILLING, INC.  
 WELL #4 MAX FEDERAL  
 SEC. 30-16S-29E  
 EDDY COUNTY, NEW MEXICO

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Culture and drainage in part compiled from aerial photographs  
 taken 1946. Topography by plane-table surveys 1953

Polyconic projection, 1927 North American datum



EXHIBIT "D"  
SKETCH OF WELL PAD  
FRED POOL DRILLING, INC.  
WELL #4 MAX FEDERAL  
SEC. 30-16S-29E  
EDDY COUNTY, NEW MEXICO

