

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 ☐RECEIVED BY
AUG 20 1986
O. C. D.
ARTESIA, OFFICE

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

1650' FSL 990' West Line NW/4 SW/4

At proposed production

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 drive unit line, if any)

990

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

660

16. NO. OF ACRES IN LEASE

480

19. PROPOSED DEPTH

2300 (SA)

17. NO. OF ACRES ASSIGNED

TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Cable tool

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

3579' Gr

22. APPROX. DATE WORK WILL START*

Sept. 15, 1986

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	8 5/8	24#	350 ft.	sufficient to circulate
7 7/8"	5 1/2	15.5#	2300'	350 sx

Attached are:

1. C-102 and Form 9-331-C
2. Supplemental Drilling Data
3. Surface Use Plan

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

Fred Pool

TITLE Vice President

DATE July 31, 1986

(This space for Federal or State office use)

PERMIT NO.

Orig. Sec. 10-100-1000
Area Manager

APPROVAL DATE

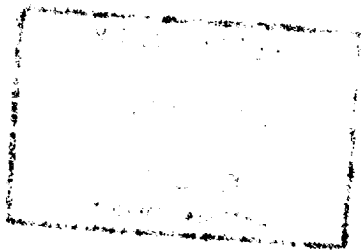
APPROVED BY

CONDITIONS OF APPROVAL, IF ANY.

TITLE

DATE

8-18-86



**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.

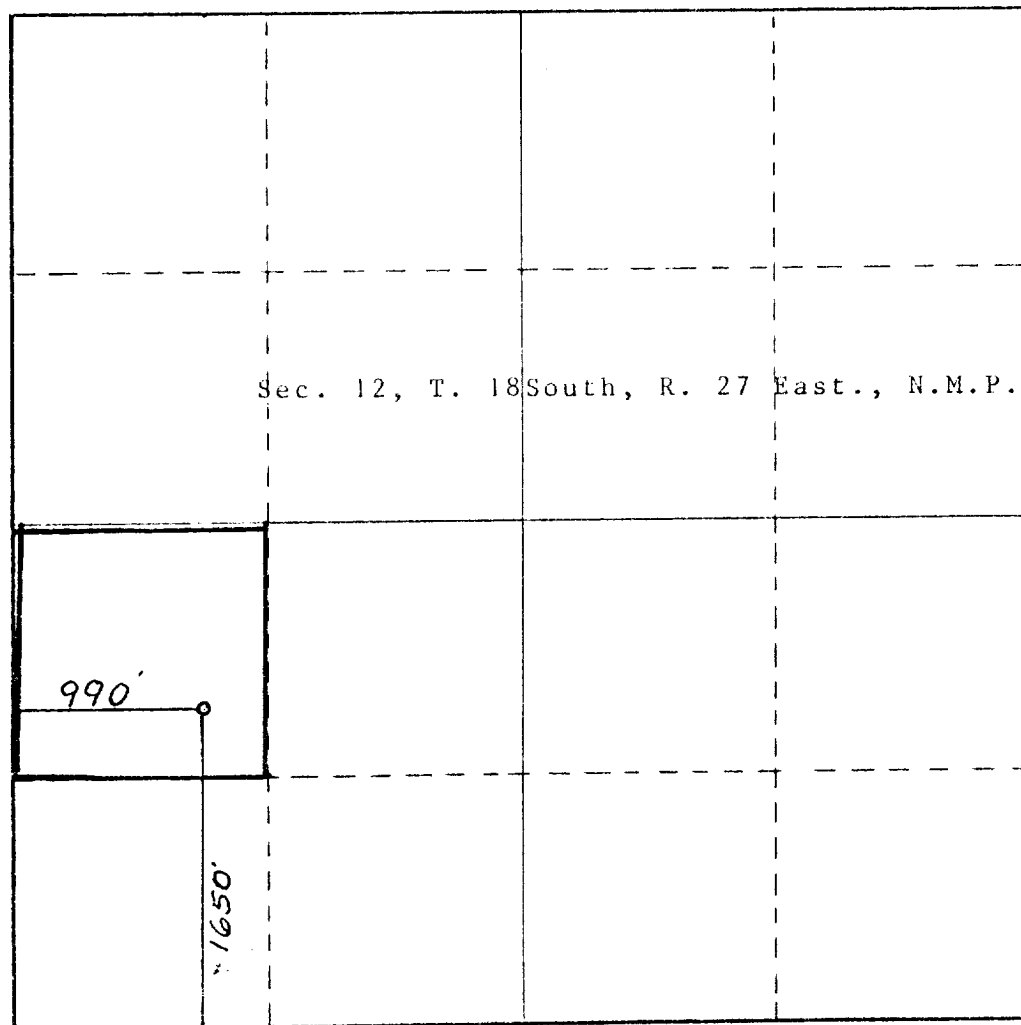
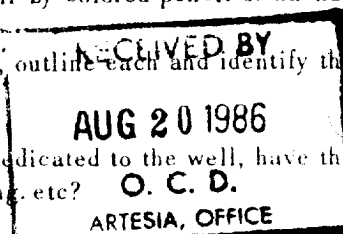
Operator FRED POOL DRILLING, INC.			Lease Comstock Federal		Well No. 8
Unit Letter L	Section 12	Township 18 South	Range 27 East	County Eddy	
Actual Footage Location of Well: 1650 feet from the South line and 990 feet from the West line					
Ground Level Elev. 3579.	Producing Formation Q-CB- SA		Pool Q-G- SA Artesia Oil Pool		Dedicated Acreage 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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? **O. C. D.**

☐ 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.

Fred Pool, Jr.

Name

President

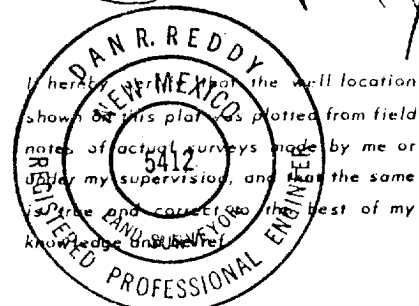
Position

Fred Pool Drilling, Inc.

Company

July 31, 1986

Date



Date Surveyed

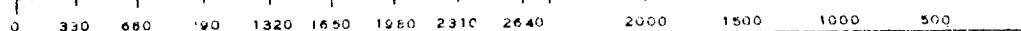
July 29, 1986

Registered Professional Engineer and/or Land Surveyor

Dan R. Reddy

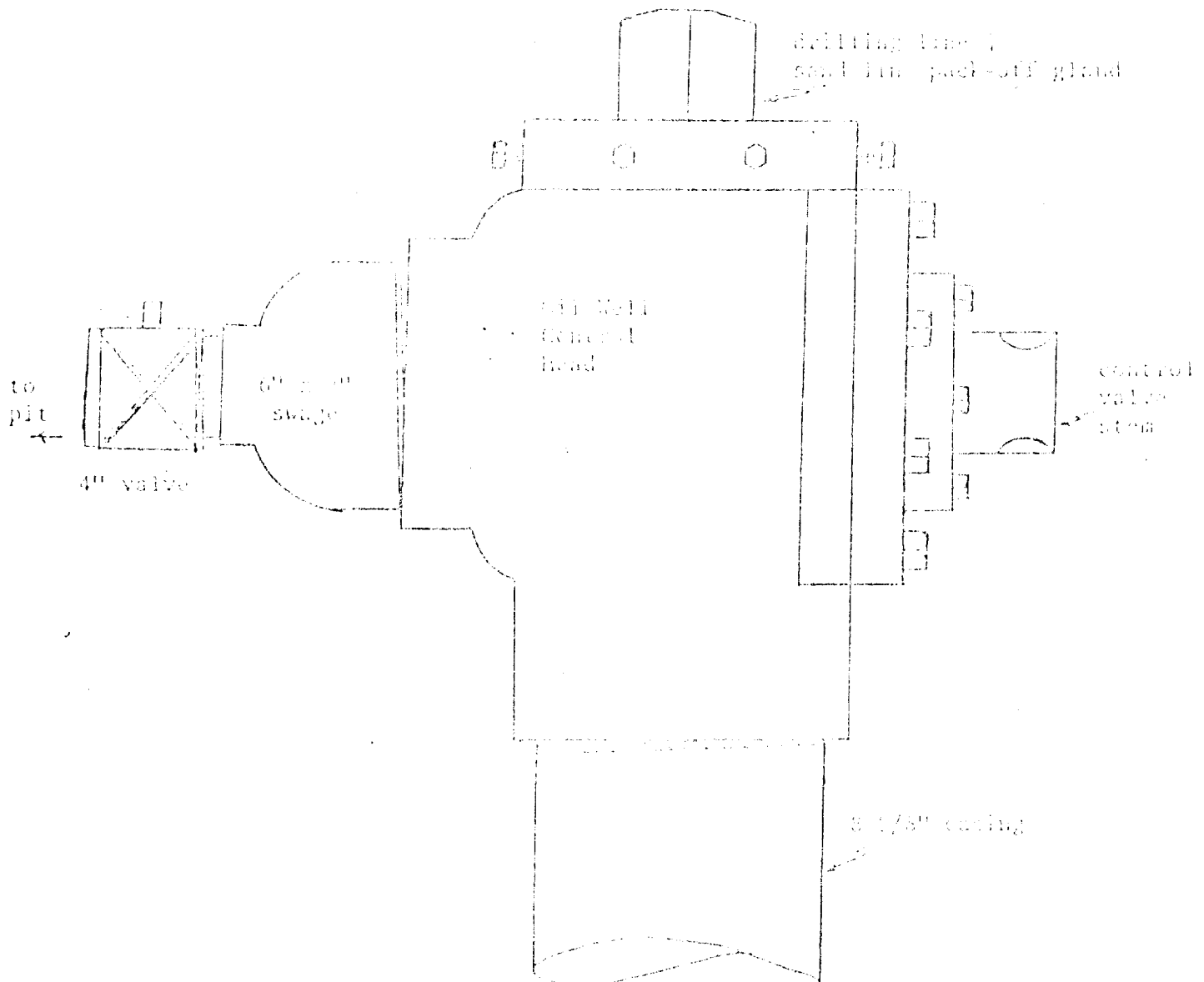
Certificate No.

NM PE&LS NO. 5412



SUPPLEMENTAL DRILLING DATA

FRED POOL DRILLING, INC.
WELL #8 COMSTOCK FEDERAL
NW $\frac{1}{4}$ SW $\frac{1}{4}$ SEC. 12-18S-27E
EDDY COUNTY, NEW MEXICO



Cable Tool Control Head

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FRED POOL DRILLING, INC.
WELL #8 COMSTOCK FEDERAL
NW $\frac{1}{4}$ SW $\frac{1}{4}$ SEC. 12-18S-27E
EDDY COUNTY, NEW MEXICO

1. SURFACE FORMATION: Artesia Group of Permian Age. (Elev. 3579 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:

<u>Size</u>	<u>Interval</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>
8 5/8"	0 - 350'	24.0 #	J-55	STC
5 1/2"	0 - 2300'	15.5 #	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 September 15, 1986. Duration of drilling, completion and testing operations should be one to five weeks.

EXHIBIT "D"
SKETCH OF WELL PAD
FRED POOL DRILLING, INC.
WELL #8 COMSTOCK FEDERAL
NW $\frac{1}{4}$ SW $\frac{1}{4}$ SEC. 12-18S-27E
EDDY COUNTY, NEW MEXICO

