

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

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 any State requirements.)* At surface 2310 FSL 330 FWL Sec. 30 - 16S- 29E At proposed prod. zone		9. WELL NO. 1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 12 miles NW of Loco Hills, N.M.		10. FIELD AND POOL, OR WILDCAT East Red Lake - 2-G	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 330 Ft.		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 30-16S-29E	
16. NO. OF ACRES IN LEASE 542		12. COUNTY OR PARISH Eddy	
17. NO. OF ACRES ASSIGNED TO THIS WELL 25.62		13. STATE NM	
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 Rotary		21. APPROX. DATE WORK WILL START* Sept. 20, 1985	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3704 ft.		22. APPROX. DATE WORK WILL START*	

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#	300 ft.	sufficient to circulate
7 7/8	4 1/2-5 1/2	11.5 - 17.5	2600 ft.	250sx

Pay zone will be completed in a prudent manner for optimum dedication.
Attached are the following:

- 1) Well location and Acreage dedication plat.
- 2) Supplemental Drilling Data.
- 3) Surface use map.

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 J. H. Lee TITLE Agent DATE 9-13-85
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY Don Wood TITLE Agent DATE 9-24-85
CONDITIONS OF APPROVAL, IF ANY: cg

*See Instructions On Reverse Side

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

**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.

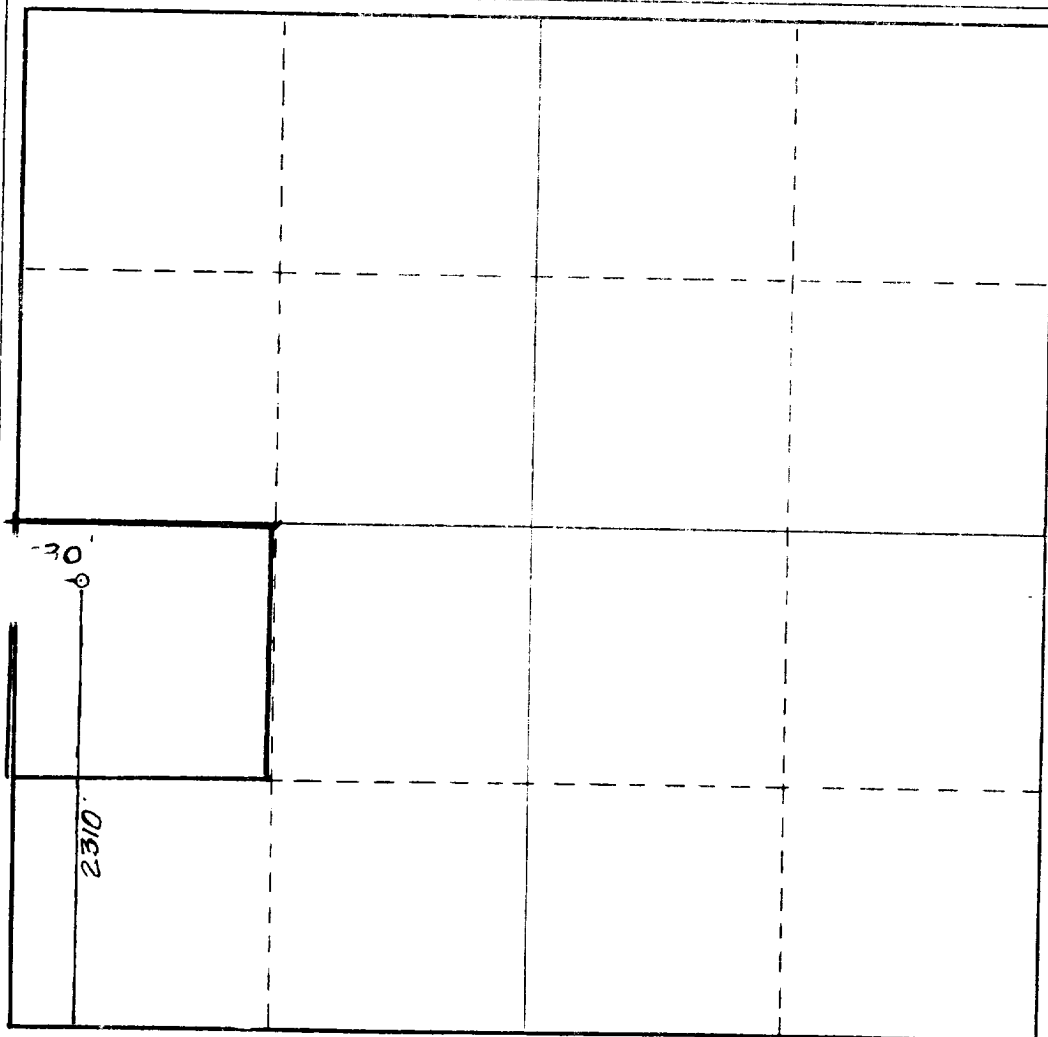
Operator FRED POOL DRILLING, INC.			Lease MAX Federal		Well No. 1
Unit Letter L	Section 30	Township 16 South	Range 29 East	County Eddy	
Actual Footage Location of Well: 2310 feet from the South line and 330 feet from the West line					
Ground Level Elev. 3704.	Producing Formation Penrose		Pool East Red Lake		Dedicated Acreage: 25.62 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.

John Klee

Name

Agent

Position

Fred Pool Drilling, Inc.

Company

9-13-85

Date

[Signature]



Date Surveyed

September 12, 1985

Registered Professional Engineer
and/or Land Surveyor

[Signature]

Certificate No.

NM PE&LS NO. 5412

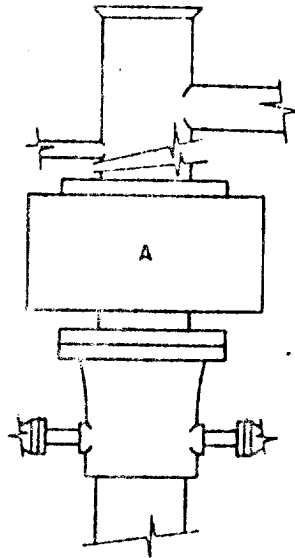
Blowout Preventer Arrangement

Fred Pool Drlg. Inc.

Well # 1 Max Federal

NW/4 SW/4 Sec. 30-16S-29E

Eddy Co. N.M.



ARRANGEMENT A

SUPPLEMENTAL DRILLING DATA

FRED POOL DRLG. INC.

WELL #1 MAX FEDERAL

NW/4 SW/4, Sec. 30-16S, R-29E

EDDY CO. NEW MEXICO

1. SURFACE FORMATION: Artesia Group of Permian Age. (Elev. 3665')

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
4 1/2-5 1/2	0 - 2600'	11.5 - 17.5 #	J-55	STC

5. Surface Control Equipment: A double ram-type or annular BOP will be used.

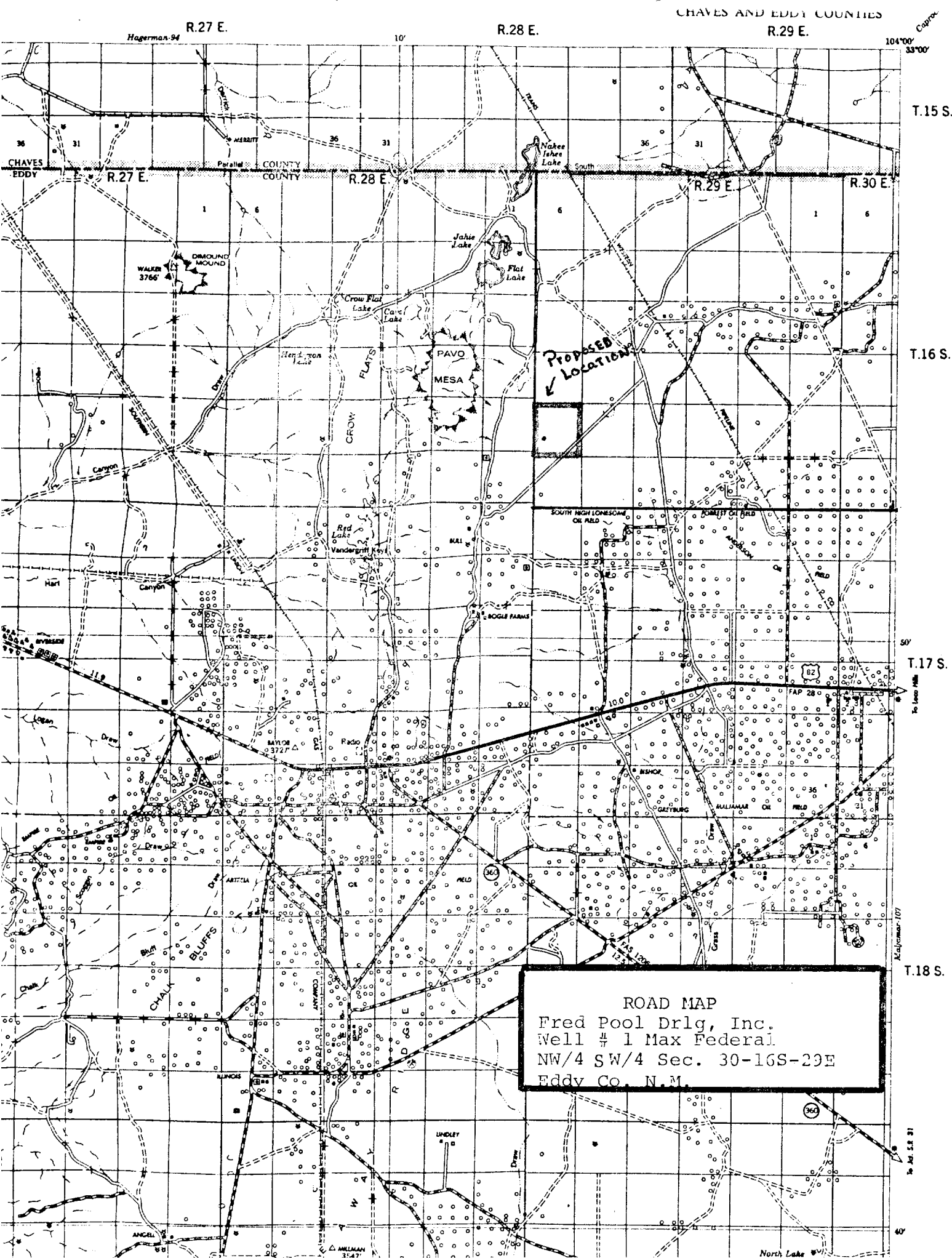
6. Circulating Medium: Salt water and mud conditioned as necessary for control of viscosity and water loss. Fresh water used on surface.

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 as per APD. Duration of drilling, completing and testing operations should be one to five weeks.

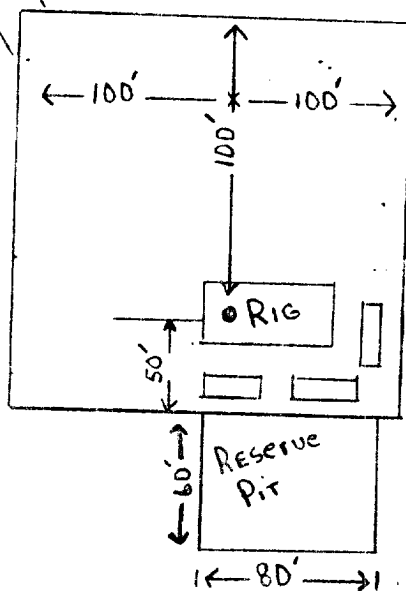


ROAD MAP
Fred Pool Drlg, Inc.
Well # 1 Max Federal
NW/4 SW/4 Sec. 30-16S-29E
Eddy Co. N.M.



EXXON
RYAN FED
#1 PAD
Dry Hole
SW/4 NW/4

PROPOSED New
ROAD



Pad Diagram

Fred Pool Drilling, Inc.

Well: Max Federal #1

NW/4 SW/4 Sec. 30-16S-29E

Eddy County, NM