

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE\*

Form approved.  
Budget Bureau No. 42-R1425.

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

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐OIL CON. DIV.  
PLUG BACK ☐  
DIST. 3

## b. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐OTHER ☐SINGLE  
ZONE ☐MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Union Texas Petroleum Corporation

## 3. ADDRESS OF OPERATOR

P.O. Box 1290, Farmington, New Mexico 87499

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

At surface 695 ft/North line; 1741 ft/West line

At proposed prod. zone Same as above

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

1 mile South of Bloomfield, New Mexico

## 15. DISTANCE FROM PROPOSED\* 695 ft.

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any) 421 ft.

## 16. NO. OF ACRES IN LEASE

600.69

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40.00

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

959 ft.

## 19. PROPOSED DEPTH

5918'

## 20. ROTARY OR CABLE TOOLS

Rotary

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

5525' GR

## 22. APPROX. DATE WORK WILL START\*

November 1, 1983

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/4"	9-5/8"	36.0# K-55	300'	250 cu.ft. (circulated)
8-3/4"	7"	26.0# K-55	5200'	1400 cu.ft. (circulated)
6-1/4"	4-1/2"	11.6# K-55	5000'-5915'	150 cu.ft. (top of liner)

We desire to drill 13-3/4" surface hole to approx. 300 ft. using natural mud as a circulating medium. Run new 9-5/8" casing to TD. Cement with approx. 250 cu.ft. of Class "B" cement circulated to surface. Pressure test the casing to approx. 800 PSIG for 10 minutes. Drill 8-3/4" hole to approx. 5200 ft. using a starch base, permaloid, nondispersed mud as the circulating medium. Log the well. Run new 7" casing to TD with a DV tool at approx. 2000 ft. Cement 1st stage with approx. 750 cu.ft. of 65/35/6 followed by approx. 100 cu.ft. of Class "B" cement. Cement the second stage with approx. 450 cu.ft. 65/35/12 followed by approx. 100 cu.ft. Class "B". Circulate cement to surface. Drill out the DV tool. Pressure test the pipe to 1500 PSIG for 10 minutes. Drill out with 6-1/4" bit to approx. 5918' using natural gas as the circulating medium. Log the well. Run new 4-1/2" casing to TD and cement with approx. 150 cu.ft. of 50/50 POZ mix. WOC. Perforate and fracture the Gallup zone. Clean the well up. Run new 2-3/8" EUE, 4.7#, J-55 tubing to the Gallup zone. Run rod pump and rods. Set a pumping unit and tanks. Install a pipeline from the well head to the Rudy Gathering System. The gas from this well has previously been dedicated to a transporter.

NOTE: Actual cement volumes will be calculated from Caliper Log.

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. K. Cooper

TITLE

Field Operations Manager

DATE

9-20-83

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED  
AS AMENDED

DATE

OCT 07 1983

M. MILLENBACH

AREA MANAGER

NMCC

SUMMIT LEASE  
#SF-047019 A  
ACREAGE- 600.69  
SUMMIT NO. 16  
EXHIBIT A

