

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-045-25723
5. LEASE DESIGNATION AND SERIAL NO.

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

Union Texas Petroleum Corporation

3. ADDRESS OF OPERATOR

P. O. Box 808, Farmington, New Mexico 87499

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

At surface

597 ft./South and 990 ft./West line

At proposed prod. zone

Same as above

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

2-1/2 miles Southeast of Bloomfield, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

597 ft.

330 ft.

16. NO. OF ACRES IN LEASE

400.28

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.

193 ft.

19. PROPOSED DEPTH

6070'

20. ROTARY OR CABLE TOOLS

Rotary

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

5740' GR

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED

GENERAL REQUIREMENTS, CEMENTING PROGRAM

22. APPROX. DATE WORK WILL START*

May 20, 1983

23.

This action is subject to administrative
appeal pursuant to 30 CFR 290.

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	5400'	1400 cu. ft. (circulated)
6-1/4"	4-1/2"	11.6# K-55	5200' - 6070'	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 the surface. Pressure test the casing to approx. 800 PSIG for 10 minutes. Drill 8-3/4" hole to approx. 5400 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. 6070 ft. 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. 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 wellhead to the existing Rudy Gathering System and test the well. 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 April 19, 1983

(This space for Federal or State office use)

PERMIT NO.

APPR. AL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED
AS AMENDED

MAY 18 1983

JAMES F. SIMS
DISTRICT ENGINEER

Acting Asst. Manager

NOTED

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

Operator UNION TEXAS PETROLEUM CORPORATION			Lease CONGRESS		Well No. 20
Unit Letter M	Section 35	Township 29 NORTH	Range 11 WEST	County SAN JUAN	
Actual Footage Location of Well: 597 feet from the SOUTH line and 990 feet from the WEST line					
Ground Level Elev. 5740	Producing Formation GALLUP	Pool UNDESIGNATED		Dedicated Acreage: SW SW 40.00 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?

☐ 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 Division

CERTIFICATION

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

Rudy D. Motto
Name

Rudy D. Motto

Position

Area Operations Manager

Company

Union Texas Petroleum Corp.

Date

April 4, 1983

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

March 21, 1983

Registered Professional Engineer and/or Land Surveyor

Michael Daly

Certificate No.

5992

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

CONGRESS NO. 20

1. The geologic name of the surface formation is "Wasatch".
2. The estimated tops of important geologic markers are:

A. Top of the Ojo Alamo	629	ft.
B. Kirtland	839	ft.
C. Fruitland	1614	ft.
D. Pictured Cliffs	1847	ft.
E. Chacra	2849	ft.
F. Cliff House	3419	ft.
G. Point Lookout	4104	ft.
H. Gallup	5421	ft.
3. The estimated depths at which anticipated water, oil or other mineral bearing formations are expected to be encountered are:

A. Top of the Ojo Alamo	629	ft.	Water
B. Kirtland	839	ft.	Water
C. Fruitland	1614	ft.	Water
D. Pictured Cliffs	1847	ft.	Gas
E. Chacra	2849	ft.	Gas
F. Cliff House	3419	ft.	Water
G. Point Lookout	4104	ft.	Gas
H. Gallup	5421	ft.	Oil & Gas
4. The casing program is shown on form 9-331C and all casing is new.
5. The lessee's pressure control equipment schematics are attached, along with minimum specifications, testing procedures, and frequencies.
6. The type, estimated volumes, and characteristics of the circulating medium are as follows:

A. 0 - 300 +	ft.	Natural Mud
B. 300 +	- 5400 +	ft. Permaloid non-dispersed mud containing approx. 150 sx. gel, 60 sx. of permaloid and 15 sx. of CMC.
C. 5400 +	- 6070 +	ft. Natural Gas
7. The auxiliary equipment to be used will be floats at the bit and a sub on the floor with a full opening valve to be stabbed into the drill pipe when the kelly is not in the string.
8. The well is in an area which is partially developed; therefore, we will not have a testing and coring program. The logging program is as follows:

A. G.R. - DIFL
B. GR - CAL
C. F.D.C.- C.N.L.
9. We do not expect to find any abnormal pressures, temperatures or hydrogen sulfide problems in this partially developed area.
10. The anticipated starting date for this well is: May 20, 1983

UNION TEXAS PETROLEUM CORPORATION
Congress #20
SW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 35, T29N, R11W, N.M.P.M.,
San Juan County, New Mexico