Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-045-25754

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: SF 078962

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER — SINGLE ZONE [X] MULTIPLE ZONE [ ]

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Starr

2. NAME OF OPERATOR: Union Texas Petroleum Corporation

9. WELL NO.: 5

3. ADDRESS OF OPERATOR: P. O. Box 808, Farmington, New Mexico 87499

10. FIELD AND POOL, OR WILDCAT: ~~Undesignated~~ WC Gallup

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface: 574'FNL and 417'FWL
At proposed prod. zone: Same as above

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 5, T-26N, R-8W, N.M.P.M.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 17 miles North of Nageezi, New Mexico

12. COUNTY OR PARISH: San Juan | 13. STATE: New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 574 ft. / 417 ft.

16. NO. OF ACRES IN LEASE: 562.13

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.: 1396 ft.

19. PROPOSED DEPTH: 6140'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 6165' GR

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"

22. APPROX. DATE WORK WILL START*: June 25, 1983

23. PROPOSED CASING AND CEMENTING PROGRAM

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
12-1/4"	8-5/8"	24.0# K-55	300'	250 cu. ft. (circulated)
7-7/8"	5-1/2"	15.5# K-55	6140'	2575 cu. ft. (circulated)

We desire to drill 12-1/4" surface hole to approx. 300 ft. using natural mud as a circulating medium. Run new 8-5/8", 24.0#, K-55 casing to TD. Cement with approx. 250 cu. ft. Class "B" cement circulated to surface. Pressure test the casing. Drill 7-7/8" hole to TD of approx. 6140 ft. using a permaloid non-dispersed mud as the circulating medium. Log the well. Run new 5-1/2", 15.5#, K-55 casing to TD with DV tool at approx. 2150 ft. Cement 1st stage with approx. 1200 cu. ft. of 65/35/6 followed by 275 cu. ft. 50/50 Poz. Cement 2nd stage with approx. 100 cu. ft. 65/35/12 Poz circulated to surface. Drill out the DV tool and pressure test the casing. 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. Test the well and connect to a gathering system.

The gas from this well has not been dedicated to a transporter.

NOTE: Actual cement volumes to be calculated from caliper log.

RECEIVED
MAY 24 1983
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

RECEIVED
JUN 23 1983
OIL CON. DIV.
DIST. 3

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 May 23, 1983

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED AS AMENDED
DATE JUN 22 1983
JAMES F. SIMS
DISTRICT ENGINEER

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-102
Revised 10-1-7

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

Operator	Lease	Well No.
UNION TEXAS PETROLEUM CORPORATION	STARR	5

Unit Letter	Section	Township	Range	County
D	5	26 NORTH	8 WEST	SAN JUAN

Actual Footage Location of Well:
574 feet from the NORTH line and 417 feet from the WEST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
6165	GALLUP	~~UNDESIGNATED~~ WC	SW NW 40.00 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

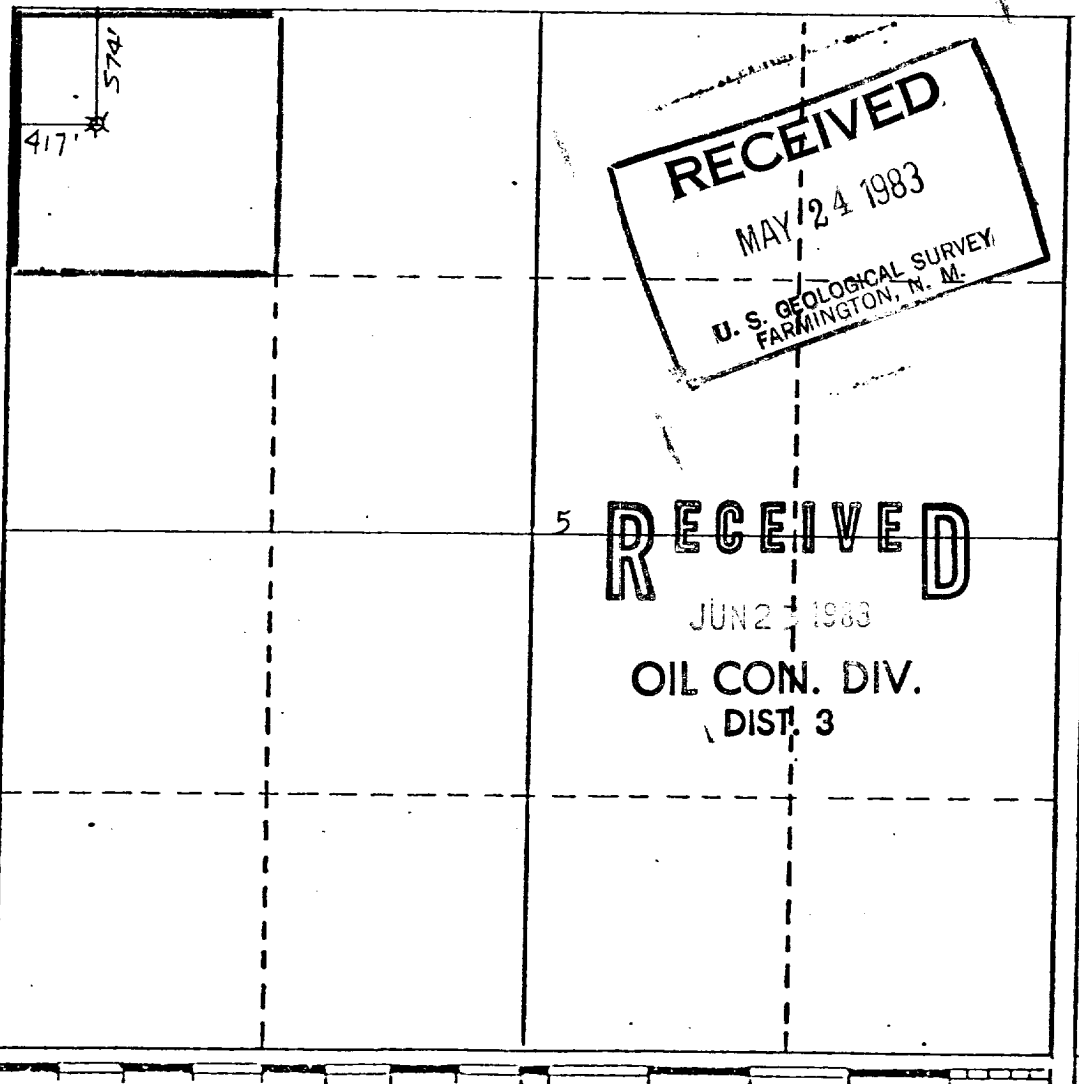
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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 Division



CERTIFICATION

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

Name: Rudy D. Motto

Position: Area Operations Manager

Company: Union Texas Petroleum Corp.

Date: April 4, 1983

MICHAEL DALY
NEW MEXICO
5992
REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR

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.

Michael Daly

Date Surveyed
March 17, 1983

Registered Professional Engineer and/or Land Surveyor

Michael Daly

Certificate No.
5992

UNION TEXAS PETROLEUM CORPORATION

STARR NO. 5

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	1200	ft.
B.	Kirtland	1311	ft.
C.	Fruitland	1765	ft.
D.	Pictured Cliffs	2018	ft.
E.	Chacra	2908	ft.
F.	Cliff House	3598	ft.
G.	Point Lookout	4298	ft.
H.	Gallup	5540	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	1200	ft.	Water
B.	Kirtland	1311	ft.	Water
C.	Fruitland	1765	ft.	Water
D.	Pictured Cliffs	2018	ft.	Gas
E.	Chacra	2908	ft.	Gas
F.	Cliff House	3598	ft.	Water
G.	Point Lookout	4298	ft.	Gas
H.	Gallup	5540	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± - 6140± ft.	Permaloid non-dispersed mud containing approx. 150 sx. gel, 60 sx. of permaloid and 15 sx. of CMC.	

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: June 25, 1983

Mapped, edited, and published by the Geological Survey

Control by U

Topography

photographs

Polyconic pr

10,000 foot

west and ce

1000 meter

zone 13, shown in blue

UNION TEXAS PETROLEUM CORPORATION
Starr #5
NW$\frac{1}{4}$NW$\frac{1}{4}$, Sec. 5, T26N, R8W, N.M.P.M.,
San Juan County, New Mexico

SCALE 1:62500

CONTOUR INTERVAL 40 FEET
DATUM IS MEAN SEA LEVEL

APPROXIMATE MEAN DECLINATION, 1959