

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 ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Union Texas Petroleum, A Division of Allied Chemical Corporation

3. ADDRESS OF OPERATOR

Suite 1010, 1860 Lincoln Street, Denver, Colorado 80295

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

At surface

SW SE (875' FSL, 1550' FEL)

At proposed prod. zone

Same

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

12 miles northeast of Aztec, New Mexico

15. DISTANCE FROM PROPOSED*

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

13. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

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

6652

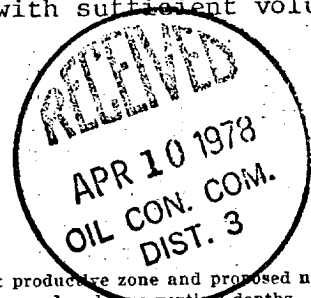
23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4	8-5/8	24	290	200 sx
7-7/8	5-1/2	14	2699	475 sx

Plan to drill well as follows:

1. MIRU rotary tools, drill 12-1/4" hole to 290'.
 2. Set 8-5/8" OD 24#/ft. K-55 new casing at 290' and cement with sufficient cement to circulate to surface (approximately 200 sx).
 3. Drill 7-7/8" hole to approximately 3600' and log Pictured Cliffs.
 4. Set 5-1/2" OD 14#/ft. K-55 new casing at T.D. and cement with sufficient volume to circulate to surface (approximately 475 sx).
 5. Based on logs, perforate and complete in Pictured Cliffs.
 6. Stimulate if necessary.
 7. Clean up well site.
 8. Approximately 8 days will be required to drill this well.
 9. Gas is dedicated to El Paso Natural Gas Company.
- (Continued on other side.)



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

TITLE Asst. District Prod. Mgr.

DATE April 6, 1978

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

★ U.S. GOVERNMENT PRINTING OFFICE : 1963-O-711-308

Item 23 - Continued:

10. Surface formation is Ojo Alamo.

11. Top of Pictured Cliffs formation anticipated at 3420'.

12. Mud Program	0 - 290	Spud mud
	290 - 3000	Clear water (8.4 to 8.8#/gal.)
	3000 - T.D.	Gelled water (8.6 to 9.3#/gal., viscosity 27 - 29)

13. No cores or drill stem tests are anticipated.

14. Logs to be run: Compensated Formation Density
Sidewall Neutron
Induction
Gamma Ray
Caliper
Deviation (single shot)

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

Operator UNION TEXAS PETROLEUM			Lease JOHNSTON FEDERAL		Well No. 12
Unit Letter P	Section 7	Township 31 NORTH	Range 9 WEST	County SAN JUAN	
Actual Footage Location of Well: 875 feet from the SOUTH line and 1550 feet from the EAST line					
Ground Level Elev 6652	Producing Formation PICTURED CLIFFS		Pool BLANCO PICTURED CLIFFS	Dedicated Acreage: 160.86 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 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.

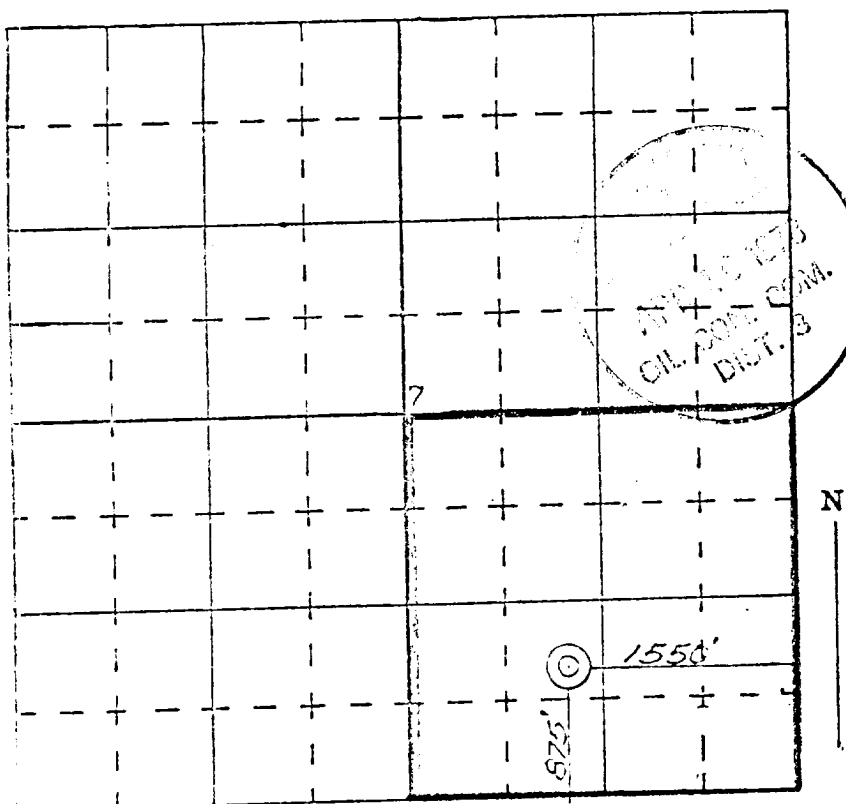
CERTIFICATION

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

[Signature]
 Name _____
 Asst. District Prod. Manager
 Position _____
 Union Texas Petroleum
 Company _____
1463
April 6, 1978
 Date _____
 NEW MEXICO
 JAMES P. LEESE

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.

29 March, 1978
 Date Surveyed _____
[Signature]
 Registered Professional Engineer
 and/or Land Surveyor



SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

1463
 Certificate No.