

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 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 100 Ft/North; 647 Ft/East Lines

At proposed prod. zone Same as Above

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

3 Miles Northwest of Lybrook, New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) 100 ft.

16. NO. OF ACRES IN LEASE

320.00

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

None Drilled

19. PROPOSED DEPTH

6900 feet

17. NO. OF ACRES ASSIGNED TO THIS WELL

Gallup: 80.00; Dakota: 40.00

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

7155' GR

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
PROPOSED CASING AND CEMENTING PROGRAM

22. APPROX. DATE WORK WILL START*

November 1, 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
12-1/4"	8-5/8"	24.0#J-55	300 feet	240 cu. ft. (circulated)
7-7/8"	4-1/2"	11.6#K-55	6900 feet	2600 cu. ft. (circulated)

We desire to drill 12-1/4" surface hole to approximately 300 ft. using natural mud as a circulating medium. Run new 8-5/8", 24.0#, J-55 casing to TD. Cement w/approximately 240 cu.ft. C1 "B" cement circulated to surface. Pressure test the casing to 800 PSIG. Drill 7-7/8" hole to TD approximately 6900 ft. using a permaloid, nondispersed mud as the circulating medium. Log the well. Run new 4-1/2", 11.6#, K-55 casing to TD w/DV tool at approximately 2250 ft. Cement first stage with approximately 1300 cu. ft. of 65/35/6 followed by 100 cu.ft. 50/50 Poz mix. Cement second stage with approximately 1200 cu.ft 65/35/12 Poz circulated to surface. Drill out the DV tool and pressure test the casing to 1500 PSIG. Perforate, fracture, and test the Dakota zone. Set a bridge plug at approximately 6440'. Perforate, fracture, and test the Gallup zone. Drill out bridge plug and commingle production upon approval of the State Oil Conservation Commission. Run rod pump and rods. Set a pumping unit and tanks. Connect to a gathering system. The gas from this well has not been dedicated.

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
W. K. Cooper

TITLE

Field Operations Mgr.

(This space for Federal or State office use)

PERMIT NO.

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED
OCT 27 1983

TITLE

DEC 27 1983

OIL CON. DIV. 1
NMOIST-3

APPROVED	
DATE October 18, 1983	
AS AMENDED	
DEC 22 1983	
DATE	
AREA MANAGER	
FARMINGTON RESOURCE AREA	

old 104 for 152

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

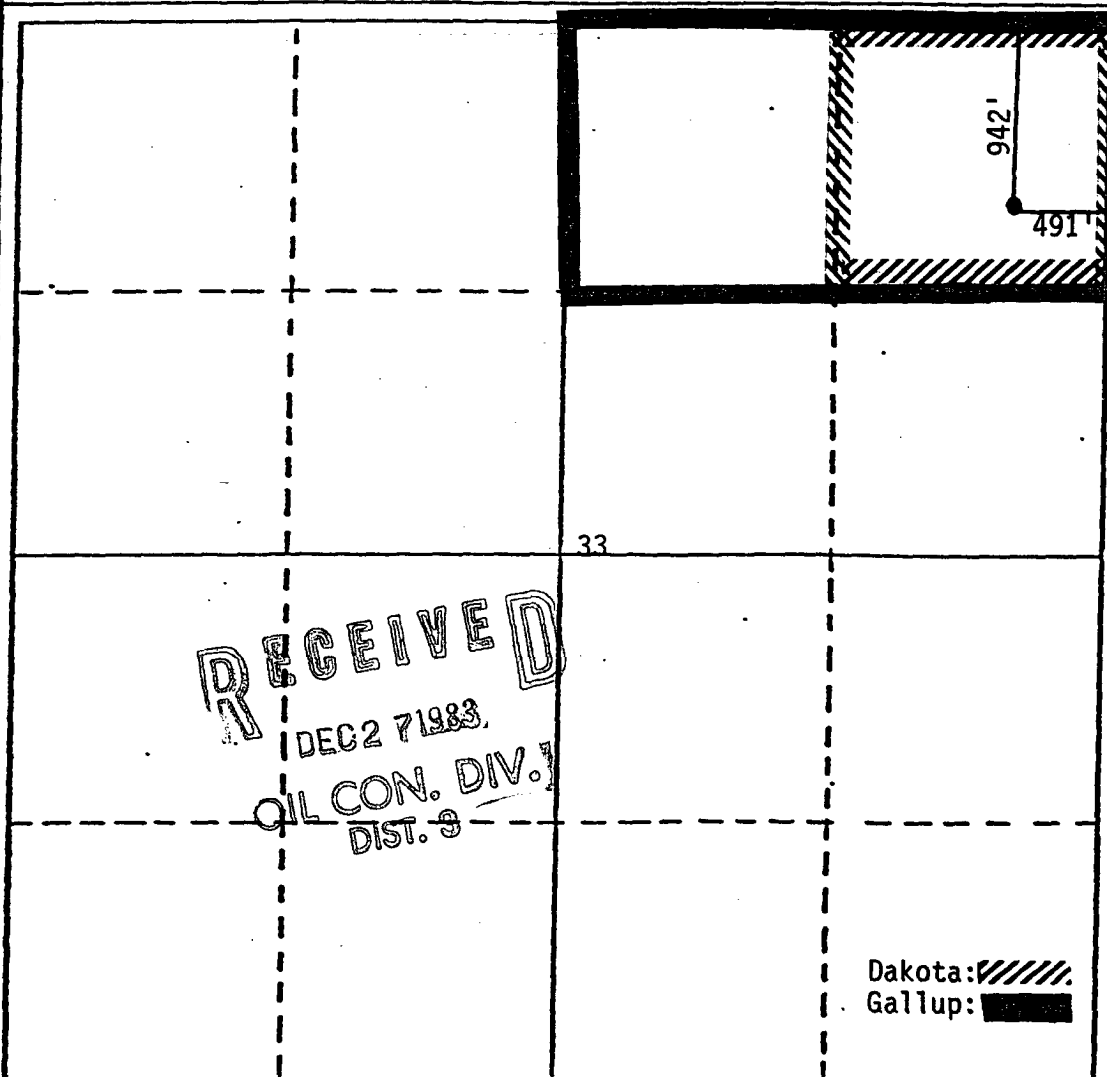
Operator Union Texas Petroleum		Lease CROW		Well No. 1
Unit Letter A	Section 33	Township 24 NORTH	Range 7 WEST	County RIO ARRIBA
Actual Footage Location of Well: 942 feet from the North line and 491 feet from the East line				
Ground Level Elev. 6993	Producing Formation Gallup-Dakota	Pool Escrito-Undesignated		Dedicated Acreage: Gallup N $\frac{1}{2}$ NE $\frac{1}{4}$ 80.00 Dakota: NENE 40.00

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 work 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 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.

William K. Cooper

Name

William K. Cooper

Position

Manager-District Engineering

Company

Union Texas Petroleum Corp.

Date

December 9, 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

August 2, 1983

Registered Professional Engineer
and/or Land Surveyor

Michael Daly

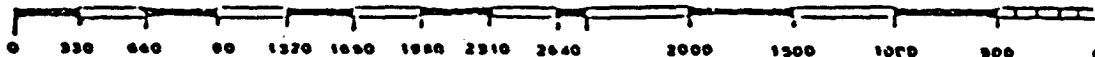
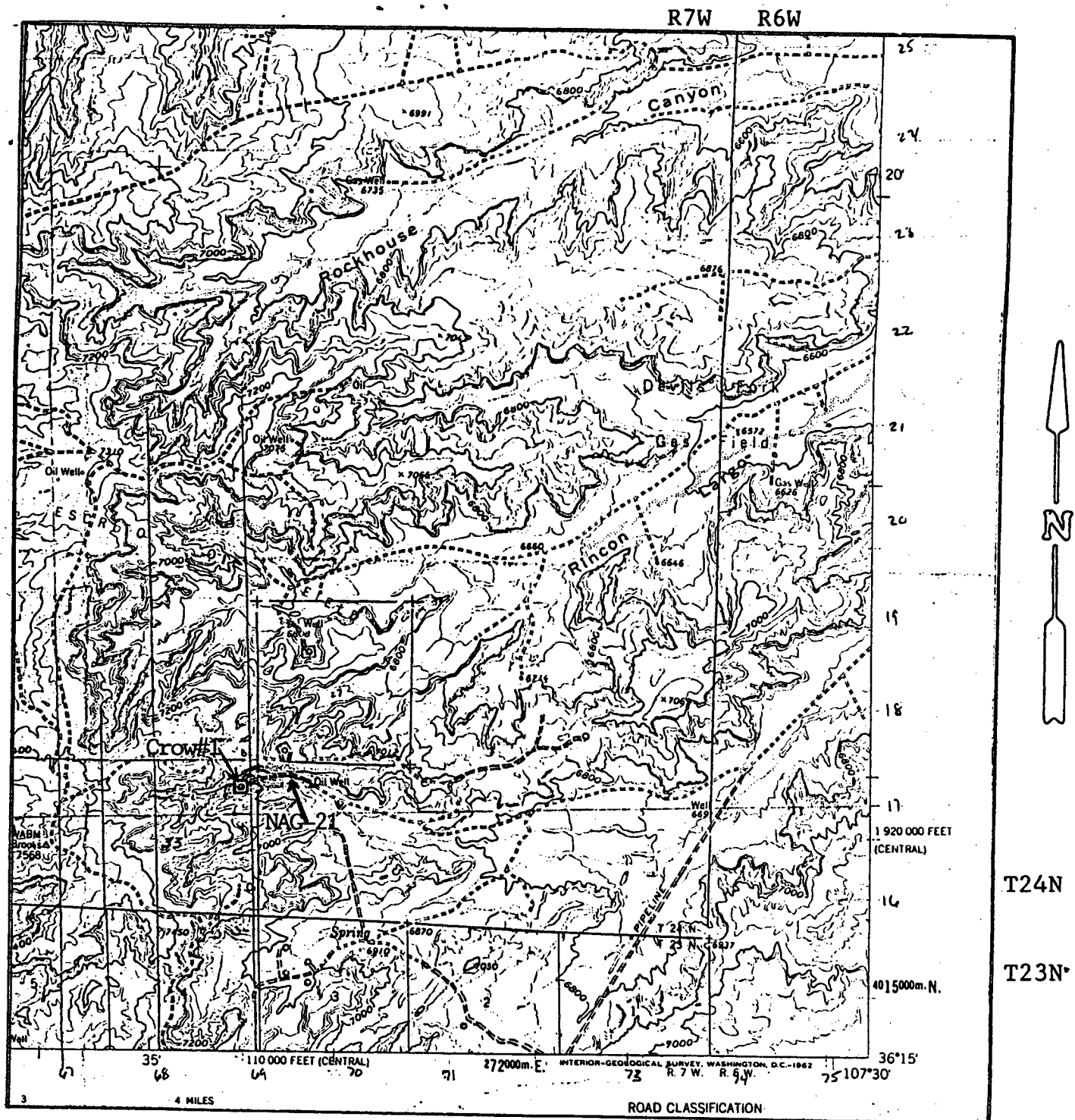
Certificate No.
5992

Figure 1



UNION TEXAS PETROLEUM
WELL & ACCESS
CROW, #1

USGS NAGEEZI, NEW MEXICO,
15 MINUTE QUADRANGLE, 1959
1:62,5000

JICARILLA ARCHAEOLOGICAL SERVICES REPORT CR83-57, NOVEMBER 21, 1983

RECEIVED²
DEC 27 1983
OIL CON. DIV.
DIST. 3