

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

Terra Resources, Inc.

3. ADDRESS OF OPERATOR

1638 Building of Southwest, Houston, Texas 77002

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

At surface

1980' FSL and 1920' FSL

At proposed prod. zone

Seven Rivers-Queen

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

3.6 miles northeast of Dal, N. M.

15. DISTANCE FROM PROPOSED*

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

660'

16. NO. OF ACRES IN LEASE

80

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40 Acres

18. DISTANCE FROM PROPOSED LOCATION*

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

19. PROPOSED DEPTH

3900'

20. ROTARY OR CABLE TOOLS

Rotary

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

Ground 3183.1

22. APPROX. DATE WORK WILL START*

October 20, 1976

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	15 3/8"	55# J-55	40'	Circulate (Conductor)
11"	8 5/8"	24# J-55 (new)	1000'	Circulate
7 7/8"	5 1/2"	15 1/2# J-55 (New)	3900'	250 sacks

We propose to drill to 3900 feet to test the Seven Rivers Queen formation.

The blowout preventer program is attached and adrilling head will be used to drill the surface.

The casing and cementing program is shown above. The 250 sacks on the 5 1/2" casing will cover the base of the salt.

The mud program is as follows:

Drill with fresh water to 1000 feet; drill with 10# brine from 1000 feet to 3500 feet; and drill from 3500 to 3900 feet with salt base mud, viscosity 36, water loss 20 and mud weight 10.1 pounds per gallon.

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 Foreman

DATE 10-6-76

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

