

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒

RECEIVED

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

3800 Buffalo Speedway, Suite 308, Houston, Tx. 77098

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

At surface

990' from North Line & 990' from East Line of  
At proposed prod. zone Sec. 13-25S-37E N.M.P.M.

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

5 miles East of Jal, N.M.

## 10. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST 990' fr. Ls. line  
PROPERTY OR LEASE LINE, FT. 330' fr. Unit L.  
(Also to nearest drlg. unit line, if any)

## 18. DISTANCE FROM PROPOSED LOCATION\*

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

330'

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

3095 GR

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8 J-55	48 SH	50'	Circulate
11"	8 5/8 J-55	32 SH	1250'	Circulate
7 7/8"	5 1/2 J-55	15 1/2 N	6300'	550 SKS

We propose to drill to 6300' to test the TUBBS-DRINKARD formation.

The blow-out preventer program is attached and a drilling head will be used to drill the surface.

The casing and cementing program is shown above. The 550 sacks on the 5 1/2 string will cover the base of the salt.

The mud program is as follows:

Drill with fresh water to 1000'; drill with 10# brine from 1000' to 3500'; and drill from 3500' to 6300' with salt base mud, viscosity 36, water loss 20 and mud weight 10.1 pounds per gallon.

Unless Drilling Operations have

Commenced, this drilling approval

Expires 8-31-78

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

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

Basin Oil Consultants, Inc. May 26, 1978

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED  
AS AMENDED

DATE

MAY 31 1978

ACTING DISTRICT ENGINEER

\*See Instructions On Reverse Side

RECEIVED

JUL 10 6 1878

OIL CONSERVATION COMMISSION  
DOUGLAS, N. M.