

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPPLICATE\*  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1424.

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. LC-032579 (C)
2. NAME OF OPERATOR Terra Resources, Inc.		6. IF INDIAN; ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 3800 Buffalo Speedway, Suite 300, Houston, TX 77098		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  2310' FWL and 2310' FSL		8. FARM OR LEASE NAME Carlson "A" #23
14. PERMIT NO.		9. WELL NO. 1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3033.7 Grd.		10. FIELD AND POOL, OR WILDCAT Justis-Tubbs-Drinkard
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 23-T25-S-R37E
		12. COUNTY OR PARISH Lea
		13. STATE N.M.

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETION ☐ABANDON\* ☐CHANGE PLANS ☐

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☒FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Well was spudded on 4/1/77 and 16" conductor pipe was set in a 20" hole and cemented w/3-1/2 yds. concrete. An 11" hole was drilled to 1239', 8-5/8" O.D. 32#, K-55 used csg. was set to bottom and cemented w/200 sx. Class "C" plus 4% gel and 2% CaCl<sub>2</sub> followed by 200 sx. Class "C" with 2% CaCl<sub>2</sub>. Ran 1" on outside at 8-5/8" csg. to 217', tagged soft cement. Pumped 100 sx. Class "C" thru 1" and cir. to surface level. The work was performed on 4/2/77 and csg. was subsequently tested to 1000#. A 7-7/8" hole was drilled to 6200' and 5-1/2" O.D., 15.5#, K-55, L.T.C. New csg. was set at 6194' and cemented w/650 sx. Halliburton Light plus 15.5# salt per sx. followed by 310 wx. Class "C" 50-50 poz-mix, 2% gel., & 9# salt per sx. Casing was set on 4/24/77 and was tested to 2000# after setting. Released drilling rig & now waiting for completion unit.

18. I hereby certify that the foregoing is true and correct

SIGNED

*W. A. Middleton*

TITLE District Engineer

DATE 5/2/77

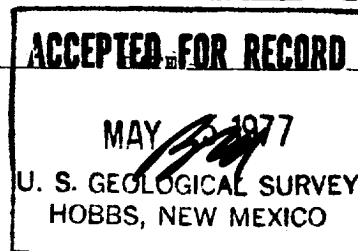
(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

\*See Instructions on Reverse Side



FROM FBI BUREAU

RECEIVED

JULY 1 1977

ONE COPY TO COMM.  
HARRIS, L. W.

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 Bank of the Southwest, Houston, Texas 77002

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

At surface

2310'FWL and 2310'FSL

At proposed prod. zone

DRINKARD

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

3.5 East of Jal, N.M.

## 10. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

330'

## 16. NO. OF ACRES IN LEASE

320

## 17. NO. OF ACRES ASSIGNED

TO THIS WELL

40

## 18. DISTANCE FROM PROPOSED LOCATION\*

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

## 19. PROPOSED DEPTH

6200'

## 20. ROTARY OR CABLE TOOLS

Rotary

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

Ground 3033.7

## 22. APPROX. DATE WORK WILL START\*

March 10, 1977

## 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	1100'	Circulate
7 7/8	5 1/2 J-55	15.5 N	6200'	350 SKS

We propose to drill to 6200' to test the TUBBS-DRINKARD formation.

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

The casing and cementing program is shown above. The 350 sacks on the 5 1/2" 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 6200 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

2-12-77

(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

APPROVED  
DATE  
1.3 APPROVED  
MAR 1 1977  
B. J. LONZ  
DISTRICT ENGINEER

## 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 objective production zone.

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

\* GPO 762-931

RECEIVED  
MAR 8 1977  
OIL CONSERVATION  
HOBBS, N. M.