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STATE OF COLORADO  
OIL AND GAS CONSERVATION COMMISSION  
DEPARTMENT OF NATURAL RESOURCES

RECEIVED

MAY 20 1985



COLO. OIL & GAS CONS. COMM.

APPLICATION  
FOR PERMIT TO DRILL, DEEPEN, OR RE-ENTER AND OPERATE

5. LEASE DESIGNATION AND SERIAL NO.

J. Craig Curtis

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Redwin

9. WELL NO.

Redwin 22-44

10. FIELD AND POOL, OR WILDCAT

Clark Lake Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 22-T9N-R68W.

12. COUNTY

Larimer

13. STATE

Colorado

1a. TYPE OF WORK

DRILL  DEEPEN  RE-ENTER

b. TYPE OF WELL

OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR

Terra Resources, Inc.

3. ADDRESS OF OPERATOR

P. O. Box 2500, Casper, Wyoming 82602

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

At surface  
2,310' FNL, 2,310' FWL Sec. 22-T9N-R68W.

At proposed prod. zone

Same

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

Approximately 3 miles north of Wellington, Colorado

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. line, if any)

330'

16. NO. OF ACRES IN LEASE\*

160

17. NO. OF ACRES AND/OR DRILLING UNIT ASSIGNED TO THIS WELL

20

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

938'

19. PROPOSED DEPTH

6,350'

20. ROTARY OR CABLE TOOLS

Rotary

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

Ground - ungraded 5,300'

MDDY

22. APPROX. DATE WORK WILL START

May 20, 1985

23. All new

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"	K-55 24#	600'	320 sx.
7 7/8"	5 1/2"	K-55 15.5#	T.D.	590 sx.

24. IS SURFACE OWNER A PARTY TO LEASING AGREEMENT? YES  NO

If NO, surface bond must be on file.

\* DESCRIBE LEASE

Terra Resources, Inc. proposes to drill a Muddy Test at the above described location according to the following plan:

1. Drill 12 1/4" hole to 600' and set 8 5/8" casing with 170 sx 50/50 Poz cement and 150 sx Class G cement.
2. Drill 7 7/8" hole to T.D. to test the Muddy Sandstone. If the Muddy is found to be productive, set 5 1/2" casing with 190 sx Class G and 400 sx 50/50 Poz cement. Cement will be placed at least 300' above the Niobrara.
3. If the electric log indicates a fresh water sand below the surface casing, a stage collar will be placed at least 100' below the base of the fresh water sands and cement will be placed to at least 100' above the fresh water sands.

24.

(over)

SIGNED

Doug. Flack

TITLE

Dist. Drilling Supervisor

DATE

5/15/85

(This space for Federal or State Office use)

PERMIT NO.

85-633

APPROVAL DATE

MAY 21 1985

EXPIRATION DATE

SEP 19 '85

APPROVED BY

William R. Smith

TITLE

DIRECTOR

DATE

MAY 21 1985

CONDITIONS OF APPROVAL, IF ANY:

O & G Cons. Comm.

COMPLY WITH RULE 317  
(PARAGRAPHS C & K) PERTAINING  
TO PROTECTION OF FRESH WATER ZONES

See Instructions On Reverse Side

A.P.I. NUMBER

05 069 6260

INSTRUCTIONS

Before any person shall commence operations for the drilling of any well, such person shall file with the Director an application on Form 2 for a permit to drill, along with a filing and service fee of Seventy-five Dollars (\$75), and must secure the Director's approval before proceeding with such operation. Wells drilled for stratigraphic information only shall be exempt from paying the filing and service fee.

Before any person shall commence operations for the deepening of a well to any source of supply other than the existing producing horizon or for the reentry of a well, such person shall file an application on Form 2 and secure approval of the Director.

Form 2 shall be filed in duplicate for wells on all Patented and Federal lands, and in triplicate for wells on all State lands. An accurate plat or map showing the location of the well and showing measurements necessary for the determination thereof shall be filed with the Director. Unless operations are commenced within one hundred twenty (120) days after the date of approval, the permit will become null and void; however, for good cause shown, the Director may grant an extension not to exceed an additional one hundred twenty (120) days.

Fill in all applicable spaces.

- 4. The drilling mud for this well will be fresh water with the drilling fluid to be converted to a low-solids nondispersed system 200' above the Muddy Sandstone or as required by hole conditions.
- 5. A location plat is attached.
- 6. Estimated Tops

<u>Formation</u>	<u>Depth</u>
Parkman	1,510'
Pierre Silt	1,990
Hygiene	2,830
Niobrara	5,237
Fort Hays	5,584
Codell	5,600
Carlile	5,630
Muddy	6,130
Skull Creek	6,230
T.D.	6,350

APP. NUMBER 174  
CO. NO. 1500