

N. JCC COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TR "CATE"
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R1425.

30-015-22344

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 ☐

2. NAME OF OPERATOR

Petroleum Reserves Corporation

3. ADDRESS OF OPERATOR

214 Western United Life Building, Midland, Texas

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

At surface

1980' FNL & 660' FEL

At proposed prod. zone

1980' FNL & 660' FEL

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

6 1/2 miles south Loco Hills, N.M.

O.C.C.
ARTESIA, OFFICE

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any) 660'

16. NO. OF ACRES IN LEASE

1751.53

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

18. DISTANCE FROM PROPOSED LOCATION*

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

1/2 mile

19. PROPOSED DEPTH

11,700'

20. ROTARY OR CABLE TOOLS

Rotary

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

3474 GR - Surface formation: Dewey Lake (Permian)

22. APPROX. DATE WORK WILL START*

11/10/77

23. PROPOSED CASING AND CEMENTING PROGRAM

60 days operations

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17"	13 3/8" K-55	54.50# New	400'	450 sx. Class "C" 2% CaCl, circ.
12 1/2 & 11"	8 5/8" K-55	24 & 32# New	3500' - 1000	sx lite 2% CaCl + 150 sx. Class "C"
7 7/8"	5 1/2" N-80	17 & 20# New	11700' - 450 sx.	2% CaCl ctm. to base salt @1200'
				Class "H" w/holide 9 KCl

Est. Tops:

Rustler Anhy.	400	BOP & Hydrill 10" - 1500 Series (see attachment) test pipe rams
Base Salt	1200	& hydril daily, blind rams on trips. Install pit leveller, flow
Queen	2475	sensor & gas separator & yellow jacket by 9100' (just above T/
Base N. Benson Pay	3050	Wolfcamp) - Drill surf. hole w/fresh wtr., intermediate hole w/
San Andres	3400	brine wtr., set 8 5/8" into top on Andres 50 to 100', drill out
1st BS Sand	7100	8 5/8" w/fresh wtr. to 9100', displace w/3% KCl wtr. (8.8 to
3rd BS Sand	8750	9.0 # wt., no w.l.) to 11,100', inc. to 5% KCl, 10 or less w.l.
WC	9150	9.2 to 9.5# wt., 32 to 34 vis. (sufficient control BHP) no abnor-
U. Penn Lm	10150	mal high press. or hydrogen sulphide gas anticipated. Drillstem
Atoka	10800	test pos. prod. zones no coring, electric logs run to T.D.
Morrow	11200	Fresh wtr. zone anticipated @ 225', water flood zone (Queen)
Base Morrow	11600	2450 to 3050' gas zone in Morrow, no other minerals expected.

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.

24.

SIGNED

Wm. B. Johnston

TITLE

DIST. ENGR.

DATE 10/13/77

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

NOV 11 1977

APPROVED BY

Joe D. Lara

TITLE

ACTING DISTRICT ENGINEER

DATE

NOV 11 1977

CONDITIONS OF APPROVAL, IF ANY:

THIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS.

EXPIRES FEB 11 1978

*See Instructions On Reverse Side