

Form 9-331 C
(May 1963)SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R1425.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

Lively Exploration Company

3. ADDRESS OF OPERATOR

P. O. Box 234, Farmington, New Mexico 87401

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

At surface

1190' FSL - 900' FWL

At proposed prod. zone

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

20 miles southeast Blanco, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.

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

900'

18. DISTANCE FROM PROPOSED LOCATION*

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

300' approx

16. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH

6525'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320 - 321.60

20. ROTARY OR CABLE TOOLS

Rotary

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

5993' GR

22. APPROX. DATE WORK WILL START*

11-1-73

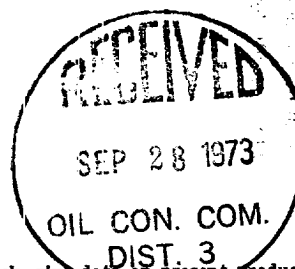
23.

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"	24#	300'	200 sacks
7-7/8"	4-1/2"	10.5#	6525'	1000 cu. ft. in 2 stages

Drill well with mud to test Dakota formation, log well, run 4-1/2" casing, cement casing with 1000 cu. ft. cement in two stages, selectively perforate, sand-water frac with 60,000 lbs. sand, clean out after frac, run 1-1/4" tubing, and complete well.

This Loc.
Moved to
1460/s 430 w
Sec 31
dated 1-9-74



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.

Original signed by T. A. Dugan
SIGNED Thomas A. Dugan

TITLE EngineerDATE 9-20-73

(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY SW
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

SEP 27 1973

*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.