

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 ☒

or

GAS

WELL ☒

Dependent on test

SINGLE

ZONE ☒

MULTIPLE

ZONE ☐

2. NAME OF OPERATOR

Maralo, Inc. ✓

3. ADDRESS OF OPERATOR

P. O. Box 832, Midland, Texas 79702

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

At surface

Unit Letter G, 1980 FN & EL of Section 33

At proposed prod. zone

Same

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

8 miles NNW of Carlsbad, New Mexico

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

660

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

Only well

16. NO. OF ACRES IN LEASE

320

19. PROPOSED DEPTH

11,030 OTD

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

20. ROTARY OR CABLE TOOLS

Originally drld w/rotary

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

3195 GR

3207 KB

22. APPROX. DATE WORK WILL START*

Immediately

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"	48#	373'	725 sxs T/cmt surface
11"	8 5/8"	24#	2302'	1100 sxs T/cmt surface
7 7/8"	5 1/2"	17# & 20#	11030'	2025 sxs T/cmt @ 2300'

Morrow zone presently non commercial.

Present Morrow perfs 10,590'-10,911' (gross interval total of 20 holes)

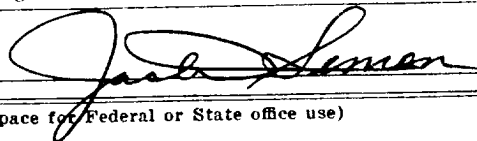
Baker model "D" retainer production packer @ 10,530'.

Plan to pull tbg w/seal assembly - set Baker DR plug in model "D" pkr @ 10,530'; spot approx 20' sand from 10,530'-10,570'; spot 15 sxs cement from 10,510'-10,390'; spot 20 sxs cement @ 9800' - reverse out excess cement above 9700'. Pull tbg to 9600' spot perf acid - pull tubing - run cement bond log and perforate 9595'-9564' w/31 holes. Run tbg w/packer - set packer @ 9475' and test well. (Note: Verbal approval for plugs June 20, 1978).

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 Manager-Engineer

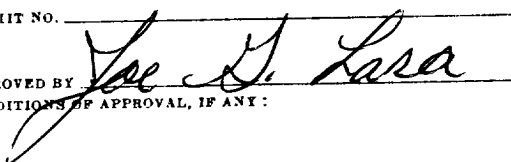
DATE June 20, 1978

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

6-20-78

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

ACTING DISTRICT ENGINEER

DATE JUN 21 1978