

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

Bass Enterprises Production Company

3. ADDRESS OF OPERATOR

P. O. Box 2760 Midland, Texas 79702

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

At surface

Unit K, 1980' FSL, 1980' FWL

At proposed prod. zone

Same as above

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

25 miles ESE from Malaga, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

1980'

16. NO. OF ACRES IN LEASE

320

18. DISTANCE FROM PROPOSED LOCATION*

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

19. PROPOSED DEPTH

15,350'

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

3493' GL 3519' KB

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START*

Upon Approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8 1/2"	7 5/8" liner	39#	14,440'	400 sx
6 1/2"	4 1/2" liner	15.1 #	TD	200 sx

1. Pull Production string. Mill out permanent pkr.
2. Squeeze Wolfcamp perms 12,108 - 12,147 OA as necessary.
3. Drill out cmt. Test wellbore to 15.5 bpg equivalent.

Subsequent to this work, a drilling rig will be moved in to deepen the well to a proposed TD of 15,350'. Drilling procedure, BOP diagram, and anticipated formation tops are attached.

JAN 7 REC'D

O. C. D.

ARTESIA, CALIF.

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

L. S. Spencer

TITLE

Production Engineer

DATE

12-3-90

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

DRILLING PROCEDURE

POKER LAKE #58
EDDY COUNTY, NEW MEXICO

LOCATION:

1980' FSL and 1980' FWL, Section 27, T24S, R31E

PROTECTIVE INTERMEDIATE:

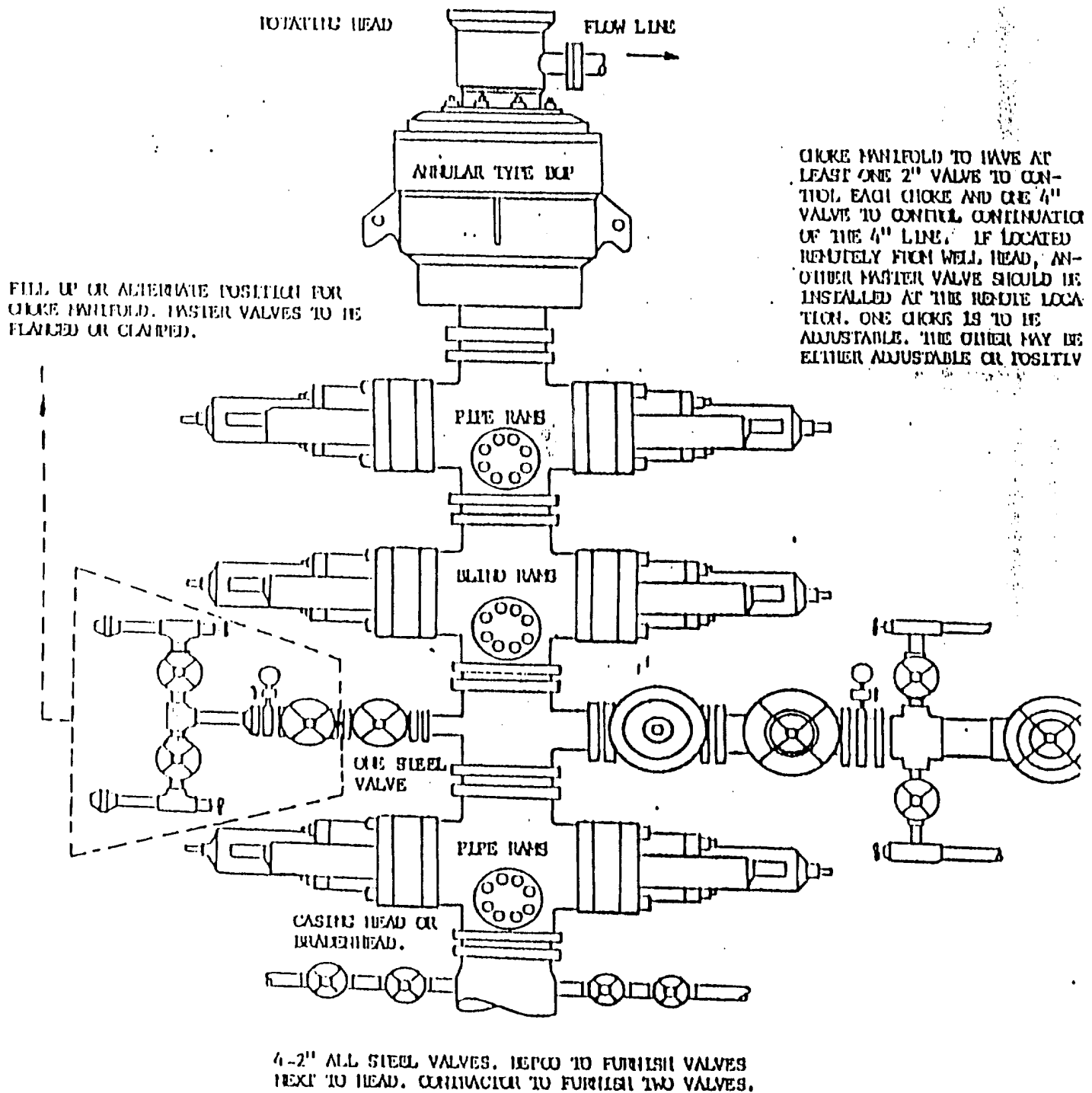
An 8-1/2" OH will be drilled to $\pm 13,600'$ (T/Strawn @ 13,670') with a 10 ppg brine system. The section from 13,600' to 14,440' will be drilled with a 12.5 - 14.5 ppg mud system. A 7-5/8" drilling liner will be set at 14,440' and cemented with 400 sx Class "H" cement plus additives. Liner top will be tested to 2000 psi and squeezed if necessary.

PRODUCTION HOLE:

A 6-1/2" OH will be drilled to proposed TD at $\pm 15,360'$ with a 10.0 - 10.3 ppg mud system. A 4-1/2" liner will be set at TD and cemented with 200 sx Class "H" cement plus additives.

ANTICIPATED FORMATION TOPS

FORMATION	SUBSEA DEPTH	MEASURED DEPTH
T/Strawn	-10,160	13,670
T/Atoka	-10,315	13,825
T/Upper Morrow	-10,895	14,405
T/Middle Morrow	-11,370	14,880
T/Lower Morrow	-11,800	15,310



THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

- Opening between the ram to be flanged, studded, or clamped.
- All connections from operating manifolds to preventers to be all steel hose or tube a minimum of one inch diameter.
- The available closing pressure shall be at least 15% in excess of that required with sufficient volume operate (close, open, and re-close) the preventers.
- All connections to and from preventer to have a pressure rating equivalent to that of the BOPs.
- Manual controls to be installed before drilling cement plug.
- Kelly cock to be installed on kelly.
- Inside blowout preventer to be available on rig floor.
- Two operating controls: one located by drillers position and the other located a safe distance from floor.

FOUR CLOSURE HYDRAULIC BLOWOUT PREVENTERS

DIAGRAM 2