

APPLICATION FOR PERMIT TO DRILL DEEPEN OR PLUG BACK

1. TYPE OF WORK

DRILL

RECEIVED

MAR 03 1983

O. C. D.
ARTESIA, OFFICE

2. LEASE DESIGNATION AND SERIAL NO.

LC-059365

3. IF LEASE, ALLOTTEE OR TRIBE NAME

4. UNIT AGREEMENT NAME

Big Eddy Unit

5. NAME OF WELL NAME

Big Eddy Unit

6. WELL NO.

91

7. FIELD AND PROD. OR WILDCAT

Fenton Draw Morrow

8. SEC., T., R., S., OR BLS. AND SURVEY OR AREA

Sec. 30, T21S, R28E

9. COUNTY OR PARISH, 10. STATE

Eddy N. M.

11. TYPE OF WELL

OIL
WELL ☐

12. NAME OF OPERATOR

Perry R. Bass

13. ADDRESS OF OPERATOR

P.O. Box 2760 Alamogordo, N.M. 88002

14. LOCATION OF WELL (Include section, township, range, and meridian)
At surface

1980' FNL & 680' REL., Sec. 30, T21S, R28E

At proposed prod. zone
Same as above

15. DISTANCE IN MILES AND BEARING FROM NEAREST TOWN OR VILLAGE

9 miles NE of Carlsbad, New Mexico

16. DISTANCE FROM PROPERTY

LOCATION TO NEAREST

PROPERTY OR LEASE LINE

(Also to nearest dry well, if any)

660'

17. DISTANCE FROM PROPOSED WELL TO NEAREST WELL, DRILLING OPERATOR, OR APPLIED FOR, ON THIS FIELD, SEC.

None

18. NO. OF ACRES IN BLOCK

320'

19. PROPOSED DEPTH

12,200

20. NO. OF ACRES ASSIGNED TO THIS WELL

320

21. ROTARY OR CABLE TOOL

Rotary

22. ELEVATIONS (Show whether at surface or at depth)

3174' GL

23. APPROX. DATE WORK WILL START*

Upon Approval

24. PROPOSED DRILLING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WELL HEAD PORT	SETTING DEPTH	QUANTITY OF CEMENT
15"	11 3/4"	62	900'	580 sx Circ. to surface
11"	8 5/8"	64	2300'	750 sx Circ. to surface
7 7/8"	4 1/2"	1.67	11920'	1100 sx
				Est. TOC @ 8200'

Drilling Prognosis, BOP diagrams, formation tops, and surface use plans are attached.

Gas is dedicated.

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

RECEIVED

JAN 17 1983

OIL & GAS
MINERALS MGMT. SERVICE
ROSWEEL, NEW MEXICO

IN ABOVE SPACE DESCRIBE PROPOSED PRODUCTION PROPOSAL, or disposal or plug back, give date of 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. SIGNATURE OF OPERATOR

SIGNED

Sr. Drilling Engineer

DATE

(This space for Federal or State or local use)

PERMIT NO.

APPROVED

APPROVAL DATE

APPROVED BY

DATE

DATE

CONDITIONS OF APPROVAL, IF ANY

MAR 12 1983

JAMES A. GILLHAM
DISTRICT SUPERVISOR

Posted on pd
gD-1278 Book
2-4-83

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

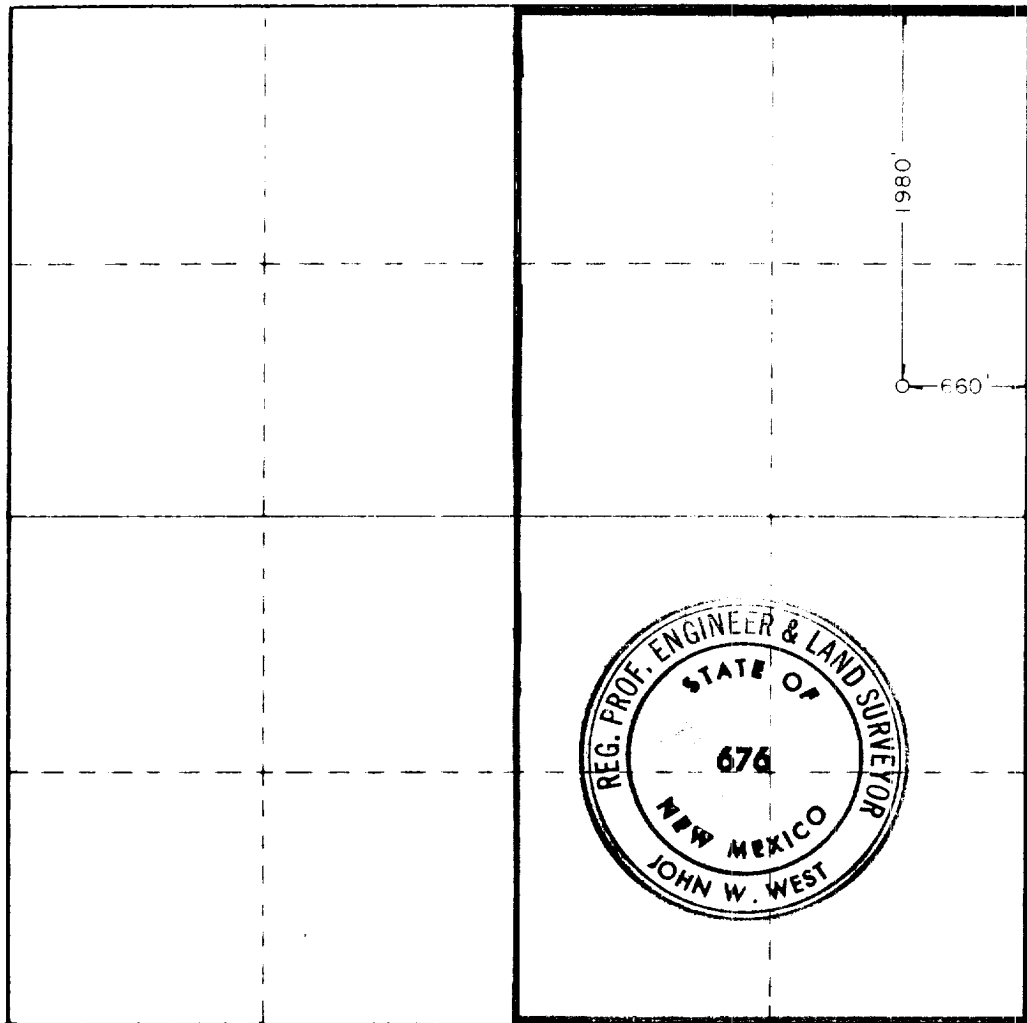
All distances must be from the outer boundaries of the Section

Operator Perry R. Bass			Lease Big Eddy Unit		Well No. 91
Section H	Section 30	Township 21 South	Range 28 East	County Eddy	
Location of Well: 1980 feet from the north line and 660 feet from the east line					
Depth 3173.9'	Producing Formation <i>Wash</i>	Flow <i>Under Base Pressure</i>	Dedicated Acreage: 320		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?
 Yes ☐ No ☐ If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form, if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

By Mark A. Gorch
 Drilling Engineer
 Bass Enterprises, Inc.
 Date 1-6-83

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
Dec. 30, 1982
 Registered Professional Engineer
 and/or Land Surveyor
John W. West
 Certificate No.
John W. West N.M. Reg. L.S. 676



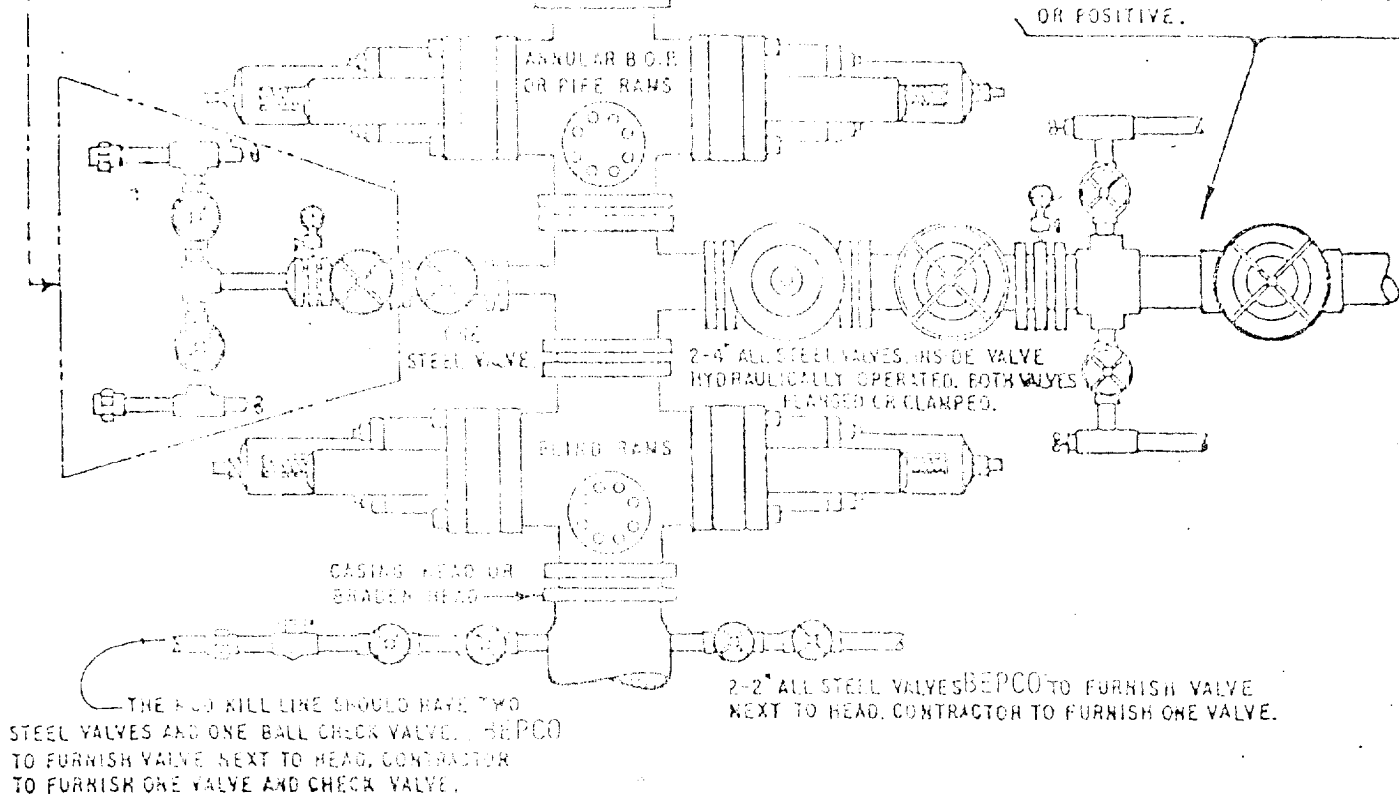
BUG EDDY UNIT #91

GEOLOGIC FORMATION TOPS

Est. KB Elevation: 3188'

GEOLOGIC FORMATION TOP	SUBSEA DEPTH	MEASURED DEPTH KB
Delaware Mountain Group	+ 390	2298
Indian Draw	- 30	3218
49'er	- 240	3428
Bone Springs	-2550	5738
Wolfcamp	-6020	9208
Strawn	-7300	10,488
Atoka	-7520	10,808
Atoka "30"	-7770	10,958
Upper Morrow	-8190	11,378
Middle Morrow	-8500	11,688
Lower Morrow	-8730	11,918

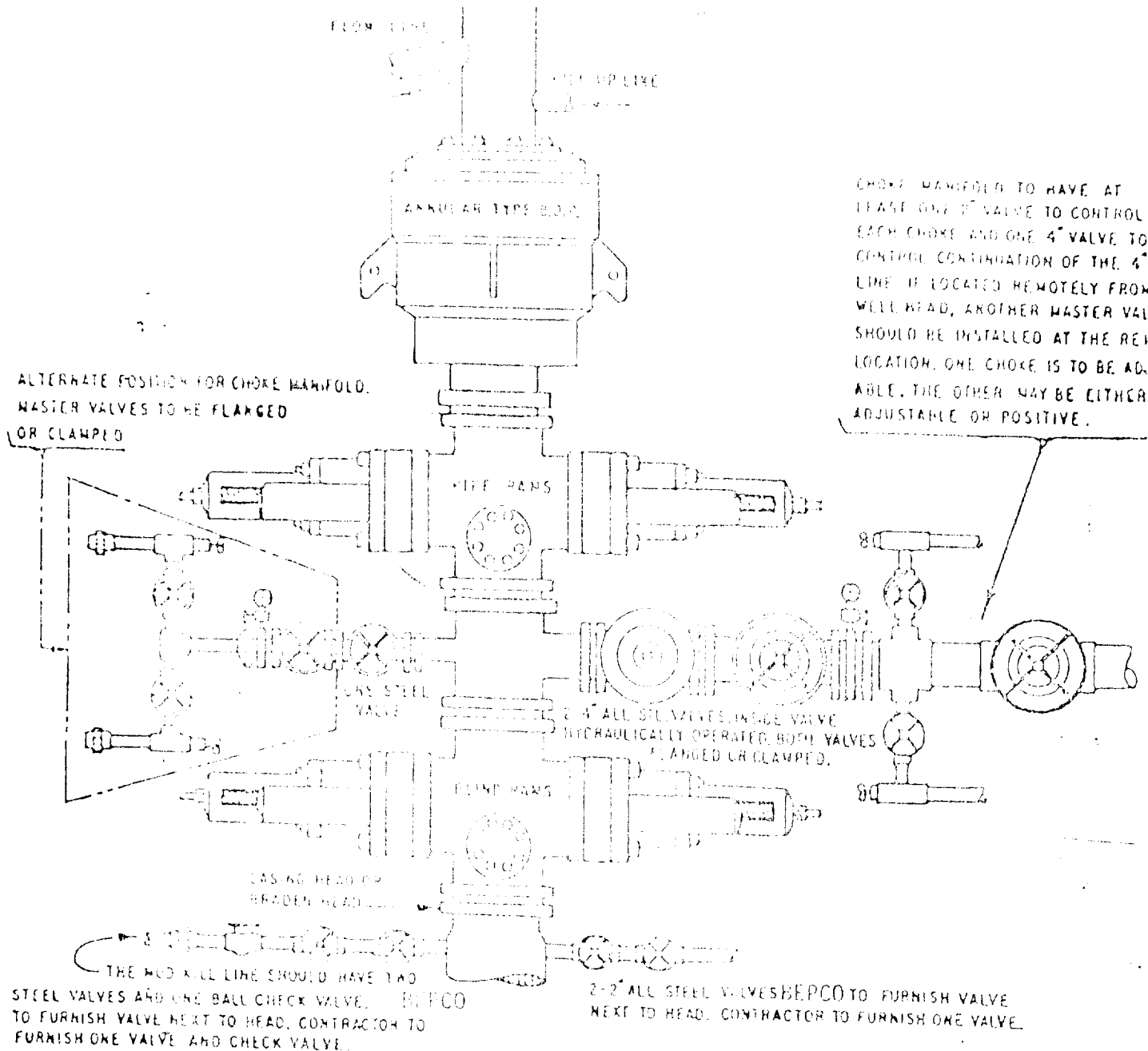
ALTERNATE POSITION FOR CHOKE MANIFOLD
MASTER VALVES TO BE FLANGED OR CLAMPED.



ONE LINE TO CONTROL EACH
CHOKE AND ONE 4" VALVE TO CONTROL
CONTINUATION OF THE 4" LINE. IF
LOCATED REMOTELY FROM WELL HEAD
ANOTHER MASTER VALVE SHOULD BE
INSTALLED AT THE REMOTE LOCATION.
ONE CHOKE IS TO BE ADJUSTABLE. THE
OTHER MAY BE EITHER ADJUSTABLE
OR POSITIVE.

THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

- A. CONDITIONS MAY BE MET BY EITHER
 - (1) AN ANNULAR BLOWOUT PREVENTER ON TOP AND BLIND RAMS BELOW WITH A CHOKE SPOOL BETWEEN THEM.
 - (2) PIPE RAMS ON TOP AND BLIND RAMS BELOW WITH A CHOKE SPOOL BETWEEN THEM.
 - (3) A DUAL BLOWOUT PREVENTER WITH PIPE RAMS ON TOP AND BLIND RAMS BELOW WITH A SIDE OUTLET BETWEEN THE RAMS AT LEAST FOUR INCHES DIAMETER.
- B. OPENINGS BETWEEN RAMS TO BE FLANGED, STUDDED OR CLAMPED.
- C. ALL CONNECTIONS FROM OPERATING MANIFOLD TO PREVENTERS TO BE ALL STEEL HOSE OR TUBE A MINIMUM OF ONE INCH IN DIAMETER.
- D. THE AVAILABLE CLOSING PRESSURE SHALL BE AT LEAST 15% IN EXCESS OF THAT REQUIRED WITH SUFFICIENT VOLUME TO OPERATE THE B.O.P.'s.
- E. ALL CONNECTIONS TO AND FROM PREVENTERS TO HAVE A PRESSURE RATING EQUIVALENT TO THAT OF THE B.O.P.'s.
- F. MANUAL CONTROLS TO BE INSTALLED BEFORE DRILLING CEMENT PLUG.
- G. KELLY COCK TO BE INSTALLED ON KELLY.
- H. INSIDE BLOWOUT PREVENTER TO BE AVAILABLE ON RIG FLOOR.



THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

- CONDITIONS MAY BE MET BY AN ANNULAR TYPE BLOWOUT PREVENTER ON TOP AND A CHOKER SPOOL BELOW AND EITHER
 - (1) TWO RAM TYPE BLOWOUT PREVENTERS BELOW THE SPOOL, THE LOWER UNIT CONTAINING BLIND RAMS AND THE UPPER UNIT CONTAINING PIPE RAMS, OR
 - (2) A DUAL BLOWOUT PREVENTER BELOW THE SPOOL WITH BLIND RAMS ON BOTTOM AND PIPE RAMS ON TOP.
- OPENING ON CHOKER SPOOL TO BE FLANGED, STUDDED OR CLAMPED
- ALL CONNECTIONS FROM OPERATING MANIFOLDS TO PREVENTERS TO BE ALL STEEL FUSE ON TUBE A MINIMUM OF ONE INCH IN DIAMETER.
- THE AVAILABLE CLOSING PRESSURE SHALL BE AT LEAST 15% IN EXCESS OF THAT REQUIRED WITH SUFFICIENT VOLUME TO OPERATE THE BOP.
- ALL CONNECTIONS TO AND FROM PREVENTER TO HAVE A PRESSURE RATING EQUIVALENT TO THAT OF THE BOP'S.
- MANUAL CONTROLS TO BE INSTALLED BEFORE DRILLING CEMENTING.
- KELLY COCK TO BE INSTALLED ON KELLY.
- INSIDE BLOWOUT PREVENTER TO BE AVAILABLE ON RIG FLOOR.
- DUAL OPERATING CONTROLS ONE LOCATED AT OPERATING POSITION AND THE OTHER LOCATED A SAFE DISTANCE FROM THE RIG FLOOR.

BOPCO 17

THREE CLOSURE HYDRAULIC BLOWOUT PREVENTERS

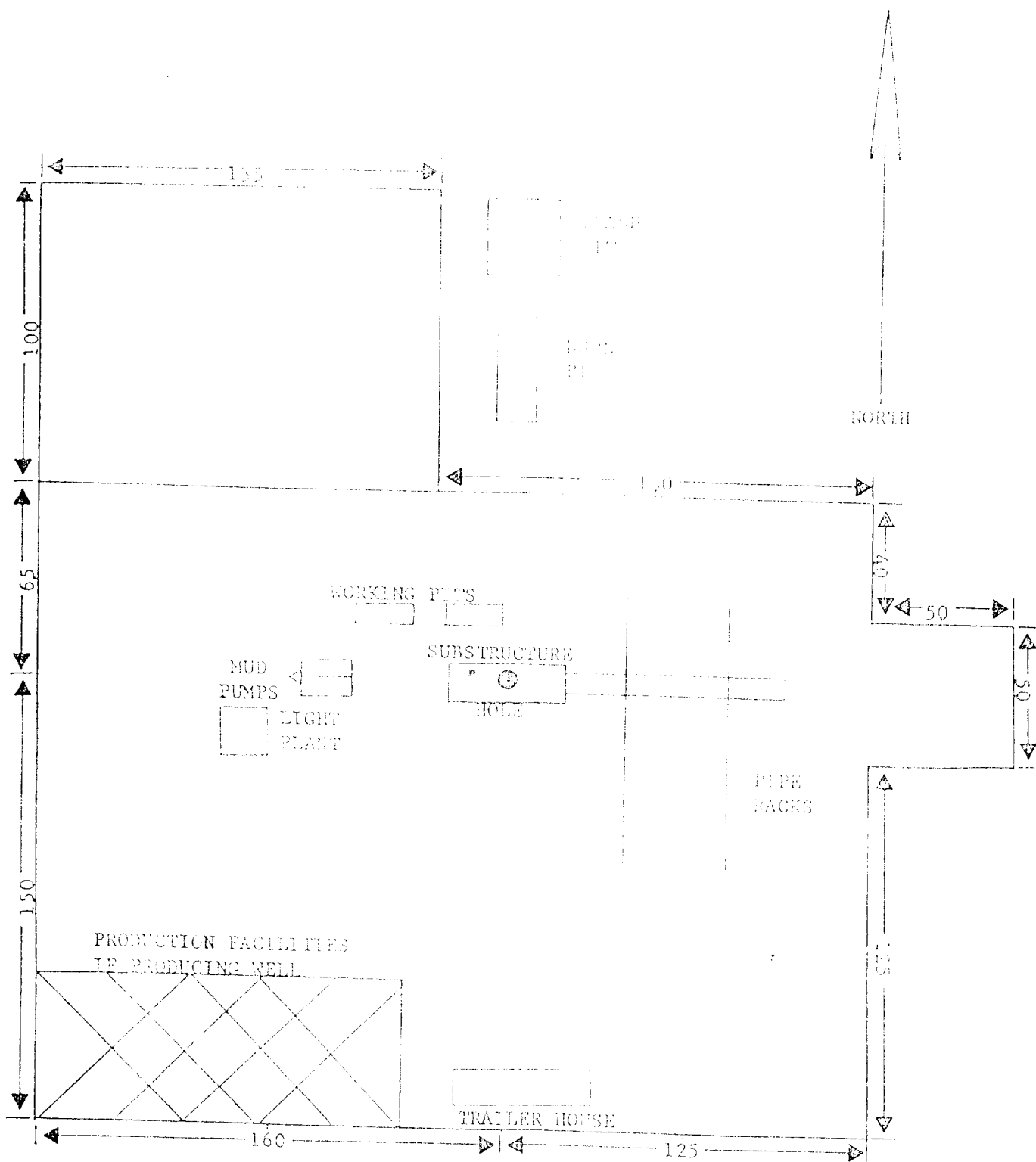


EXHIBIT "B"

