

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

RECEIVED BY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

MAR 21 1984

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

O. C. D.

SINGLE
ZONE☒MULTIPLE
ZONE☐

2. NAME OF OPERATOR

PERRY R. BASS

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
1900' FSL & 1760' FWL SECTION 7, T21S, R28E

At proposed prod. zone

SAME AS ABOVE

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

7 MILES ENE OF CARLSBAD, NEW MEXICO

15. DISTANCE FROM PROPOSED*

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

330'

16. NO. OF ACRES IN LEASE

—

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

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

+1300'

19. PROPOSED DEPTH

3300

20. ROTARY OR CABLE TOOLS

ROTARY

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

GL 3161.3'

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
12 1/4"	8 5/8"	24#	+400'	350 sks Cir. to Surface
7 7/8"	5 1/2"	14#	+3300'	450 sks Cir. to Surface

Drilling procedure, BOPE diagram, anticipated formation tops and surface use plans
attached.Blm To Required 2000' or less. Log to 2000' in Carlsbad Reservoir
Re 3-25-84/Post a ps
JD-1 ch/BK
3-30-84

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

Stephen O. Smith

TITLE

Engineering Assistant

DATE

February 23, 1984

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

S/O Richard D. ...

TITLE

Associate District Manager

DATE

MAR 20 1984

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

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

Form C-122
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

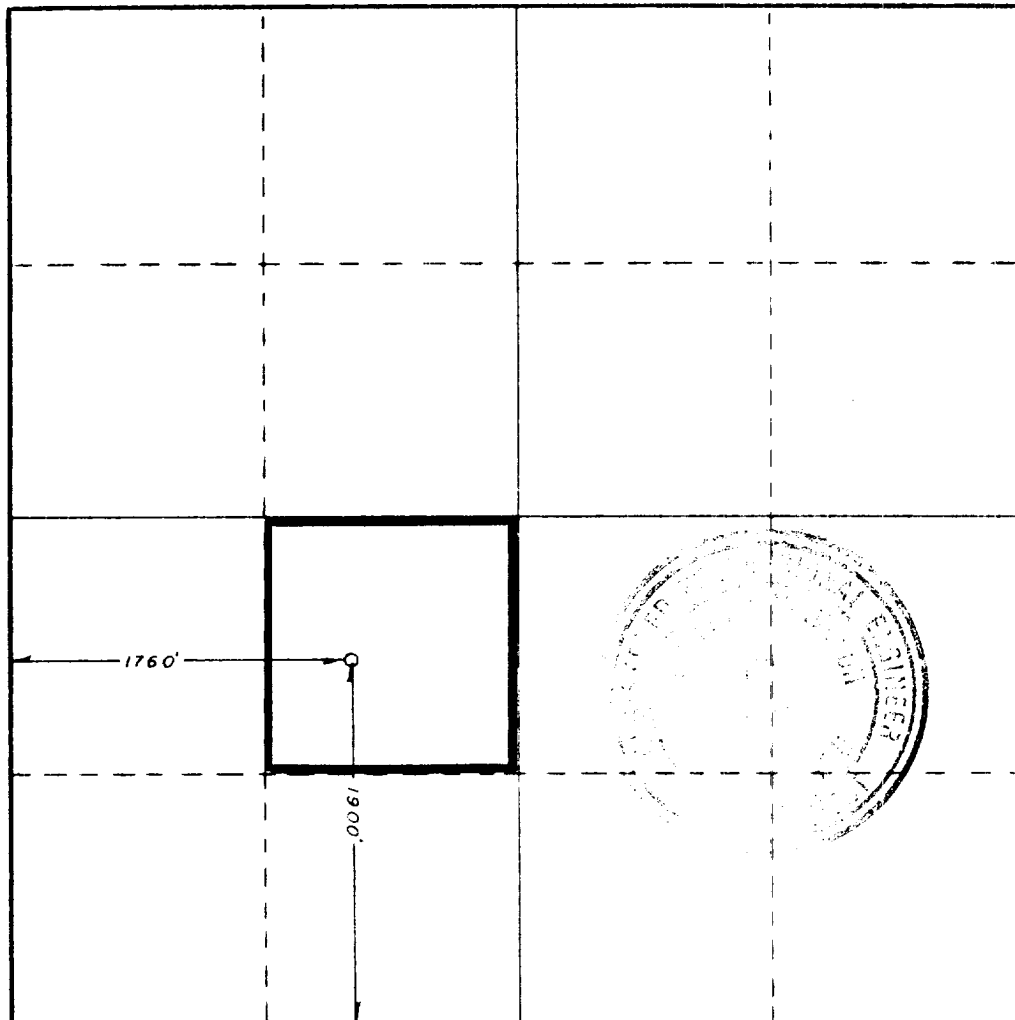
Operator PERRY R. BASS			Lease BASS/FED. 7		Well No. 1
Unit Letter K	Section 7	Township 21S	Range 28E	County EDDY	
Actual Footage Location of Well:					
1900	feet from the	SOUTH	line and	1760	feet from the
				WEST	
Ground Level Elev. 3161.3	Producing Formation Delaware		Pool Eddy Undesignated	Dedicated Acreage 40	

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 Unit

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

Stephen D. Smith

Name
Stephen D. Smith

Position
Engineering Assistant

Company
Perry R. Bass

Date
February 29, 1984

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.

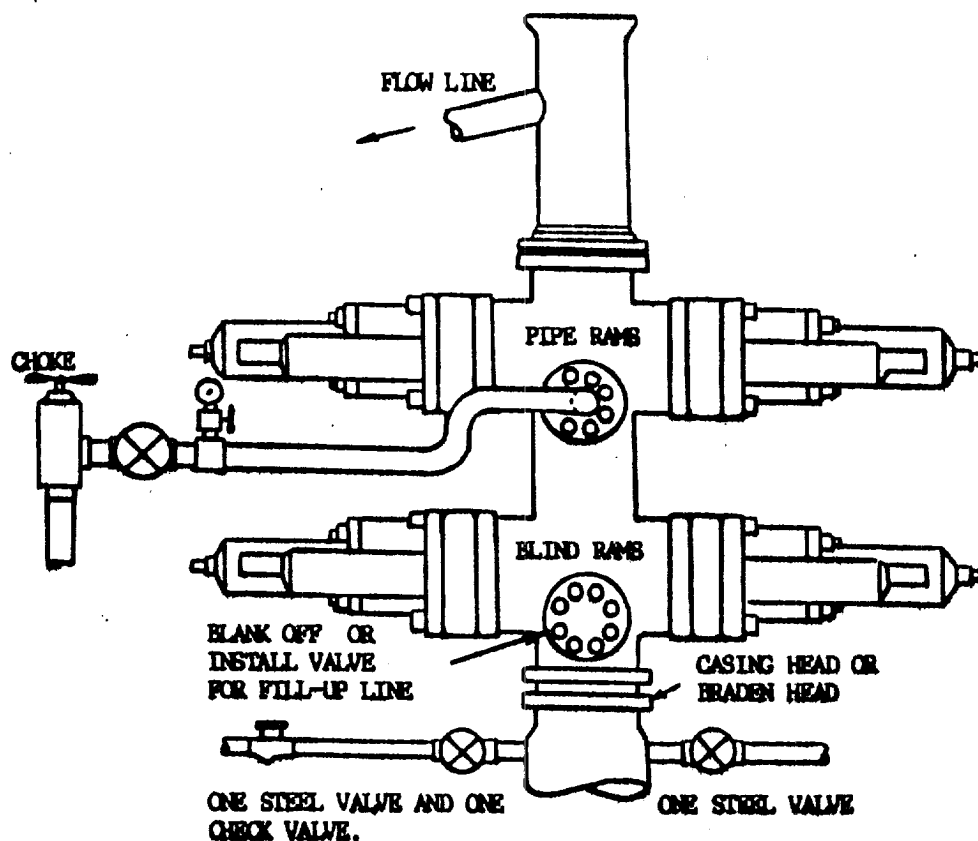
Date Surveyed
2/27/84

Registered Professional Engineer and or Land Surveyor

John W. West

Certificate No **JOHN W. WEST, 676**
RONALD J. EIDSON, 3239

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600



THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

- A. Conditions may be met by either (1) one manually operated dual blowout preventer with the lower ram blind and the upper rams for pipe and an outlet between the rams, or (2) two manually operated blowout preventers with a choke spool between them, the lower unit containing blind ram and the upper unit containing pipe rams.
- B. The opening between preventers to be flanged, studded, or clamped and at least two inches in diameter.
- C. All connections to and from preventers to have a pressure rating equivalent to that of the blowout preventers.
- D. Manual controls to be installed before drilling cement plug.
- E. Valve to control flow through drill pipe to be located on rig floor.
- F. Choke may be either positive or adjustable.

BEPCO I

TWO CLOSURE MANUAL BLOWOUT PREVENTER

DRILLING PROCEDURE
BASS FEDERAL 7 #1
(BIG EDDY UNIT #98 OFFSET)

Location: 1900' FSL & 1760' FWL, Sec. 7, T21S, R28E, Eddy County, New Mexico.

Conductor Casing: 14" Conductor pipe should be set @ +40' and cemented to surface using ready-mix.

Surface Hole and Casing: A 12 1/4" hole should be drilled to +400' using a FW spud mud system (8.4-8.7 ppg, 34-40 vis) and add LCM for minor hole seepage or lost circulation. If severe lost circulation results, dry drill to TD. The casing will be 8 5/8" 24#/ft, K-55, ST&C. Run with a guide shoe, insert float, 3 centralizers and a cement basket. ~~Place cement basket +60' below ground level~~ and centralizers 15' above guide shoe, then every other collar above it. Cement with 200 sx Lite + 1/4#/sx Flocele (1.54 ft³/sx, 12.7 ppg). Tail in with 150 sx Class "C" + 1/4#/sx Flocele + 2% CaCl₂ (1.32 ft³/sx, 14.8 ppg). Actual cement volume should be calculated on 100% excess. Cement must be circulated.

Nipple Up: After waiting 4 hours, the 8-5/8" casing should be cut off and an 8-5/8" SW x 8" 2000# WP RJT casinghead installed. NU manual double ram BOP's as per BEPCO I. Testing casing and BOP's to 1000 psi before drilling plug.

Production Hole: A 7-7/8" hole will be drilled to TD (+3300') using 10 ppg brine water with lime added for pH control. Paper may also be added to control seepage. Bottom hole assembly will consist of bit, 3-point bottom hole reamer, 30' DC, and a 3-point reamer. Hole deviation through the salt section will require reduced weights and frequent surveys every 200'.

After drilling the cement plug, a 10#/gal brine water system may then be used to finish the hole. At 2800' (Top of Delaware) the fluid viscosity should be increased to 32-34 funnel sec. and water loss lowered to 20 cc, or less with starch.

Producing Casing: 5 1/2" 14#/ft, K-55, ST&C casing will be set @ TD. The casing should be run with a differential fill float collar and float shoe along with six (6) centralizers. The casing opposite potential pay zones should be Ruff-coted and scratchers applied. Those zones should be determined by the production engineer logging. Cement the casing with 250 sx of Lite + 8#/sx salt (1.94 ft³/sx, 14.8 ppg). Tail in with 200 sx Class "C" + 2% CaCl (1.32 ft³/sx, 14.8 ppg). Actual cement volume should be calculated off open hole caliper. Cement must be circulated. After bumping plug, cut 5 1/2" casing off and install an 8" x 6" 2000# WP with 2" 2000# outlets.

Evaluation: 10' drilling samples are to be caught from 2400' to TD. A 2 man logging unit from 2400' to TD.

The following logs will be run:

1. GR-LDT-CNL-NGT Caliper
2. GR-DLL-Caliper
3. GR-EPT

No cores or DST are anticipated. This well is expected to take 9 days from spud to rig release.

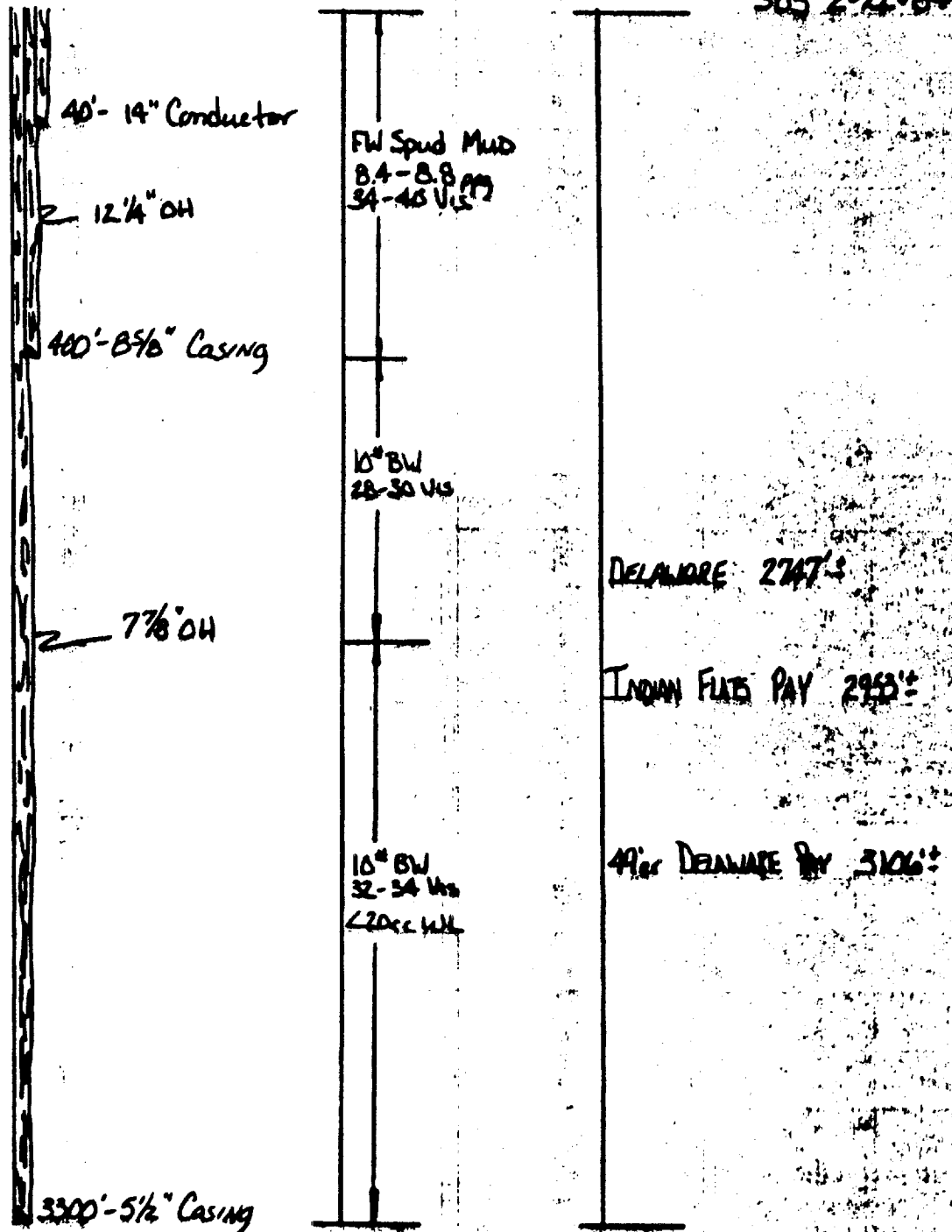
Stephen Smith 2-23-84
Stephen Smith Date

SDS:esa

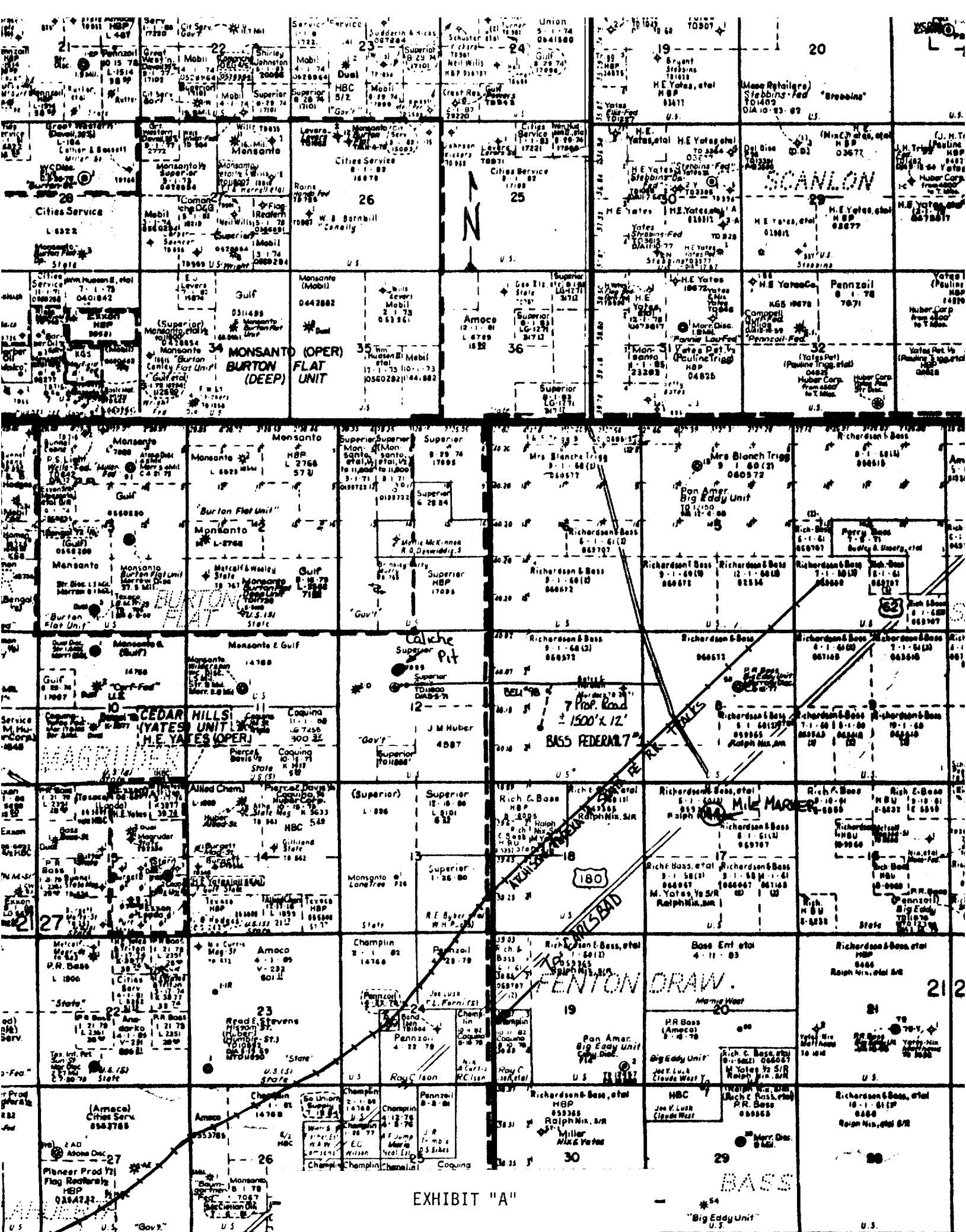
BASS FEDERAL 7#1

WELL DIAGRAM

SDS 2-22-04



NOTE: CEMENT SHOULD BE CIRCULATED ON 5 1/2" PRODUCTION CASING



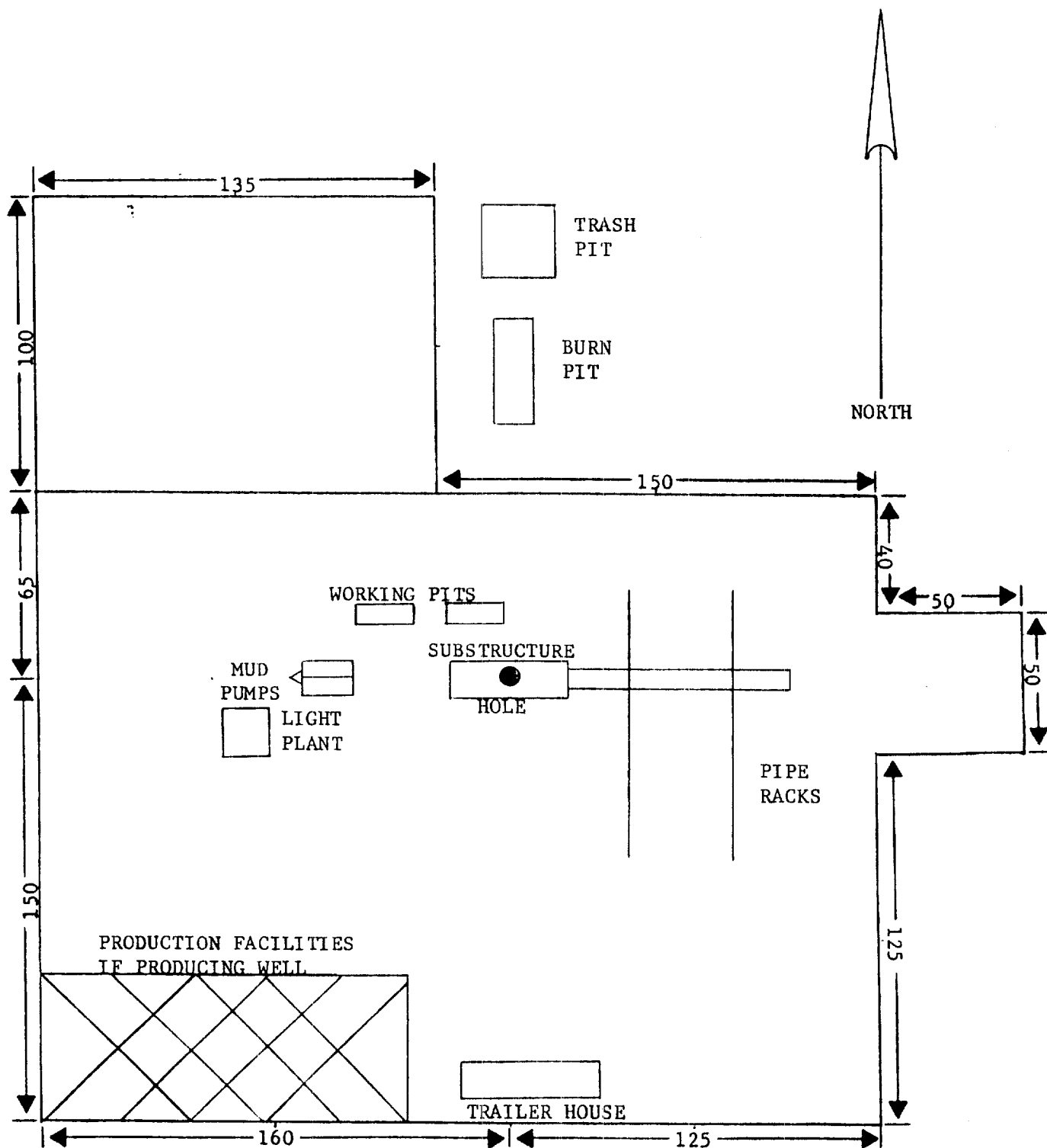


EXHIBIT "B"