

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☒GAS WELL ☐OTHER ☐SINGLE ZONE ☒MULTIPLE ZONE ☐

2. NAME OF OPERATOR

SANTA FE EXPLORATION COMPANY

(William A. McAlpine, Jr.)

(Ph. 505-623-2733)

3. ADDRESS OF OPERATOR

P. O. Box 1136, Roswell, New Mexico 88201

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

At surface

2310' FSL & 990' FEL of Section

(NE $\frac{1}{4}$ SE $\frac{1}{4}$)

(Unit "I")

At proposed prod. zone

same

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

7 $\frac{1}{2}$ air miles S.E. of Malaga, New Mexico

15. DISTANCE FROM PROPOSED*

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

990'

16. NO. OF ACRES IN LEASE

1920

17. NO. OF ACRES ASSIGNED

TO THIS WELL
40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING COMPLETED,
OR A-PIED FOR, ON THIS LEASE, FT.

NA

19. PROPOSED DEPTH

7000' Delaware

20. ROTARY OR CABLE TOOLS

Rotary

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

2993' G.L.

22. APPROX. DATE WORK WILL START*

December 31, 1982

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 $\frac{1}{2}$ "	13 3/8"	48.0#	15'	Sufficient to circulate
11"	8 5/8"	24.0#	400'	Sufficient to circulate
7 7/8"	4 1/2"	9.5 & 10.5#	7000'	200 sacks

EXPIRING LEASE: NM-15302 is a non-producing lease and is due to expire on 12-31-82 absent diligent drilling operations over the expiration date.

Pay zone will be selectively perforated and stimulated as needed for optimum production.

Attached are: 1. Well Location & Acreage Dedication Plat
2. Supplemental Drilling Data
3. Surface Use Plan

RECEIVED
DEC 27 1982

OIL & GAS
MINERALS MGMT. SERVICE
ROSWELL, NEW MEXICO

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present production and proposed production zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depth prevented program, if any.

24.

SIGNATURE *James A. Knight*

TITLE Agent

DATE December 24, 1982

(This space for Federal or State office use)

PERMIT NO.

APPROVED
(ORIG. SGD.) DAVID R. GLASS

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL IF ANY

DEC 27 1982

For JAMES A. GILLHAM
DISTRICT SUPERVISOR

NEW MEXICO OIL CONSERVATION COMMISSION
WE LOCATION AND ACRAGE DEDICATIO PLAT

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

All distances must be from the outer boundaries of the Section

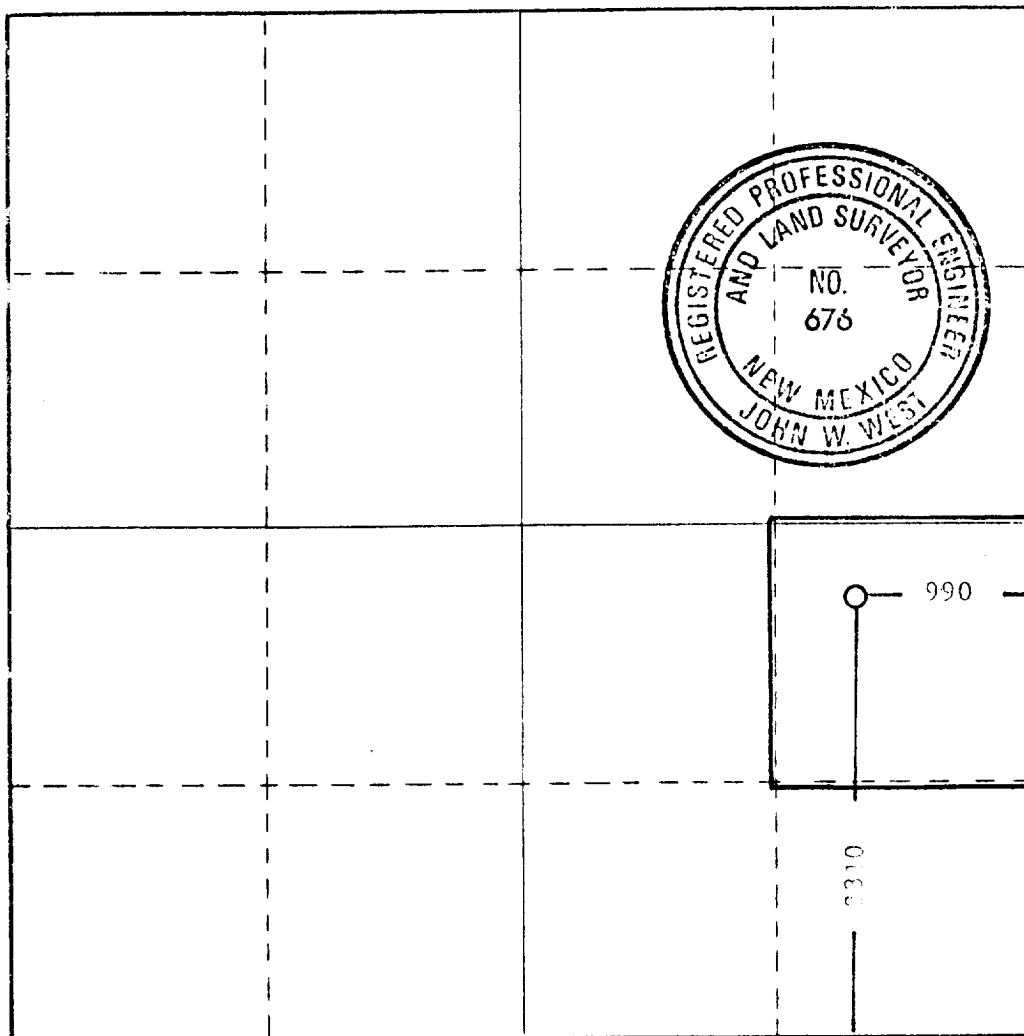
Operator SANTA FE EXPLORATION COMPANY			Lease NEWYEAR FEDERAL		Well No. 1
Unit Letter 1	Section 3	Township 25 SOUTH	Range 29 EAST	County EDDY	
Actual Footage Location of Well:					
2310 feet from the SOUTH line and		990 feet from the EAST line			
Ground Level Elev. 2993	Producing Formation Delaware	Pool Wildcat		Dedicated Acreage 40	Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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.

James A. Knauf
 Name _____

James A. Knauf

Position
 Agent

Company
 SANTA FE EXPLORATION CO.

Date
 December 24, 1982

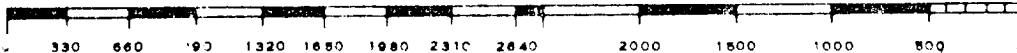
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
 DECEMBER 23, 1982

Registered Professional Engineer and/or Land Surveyor

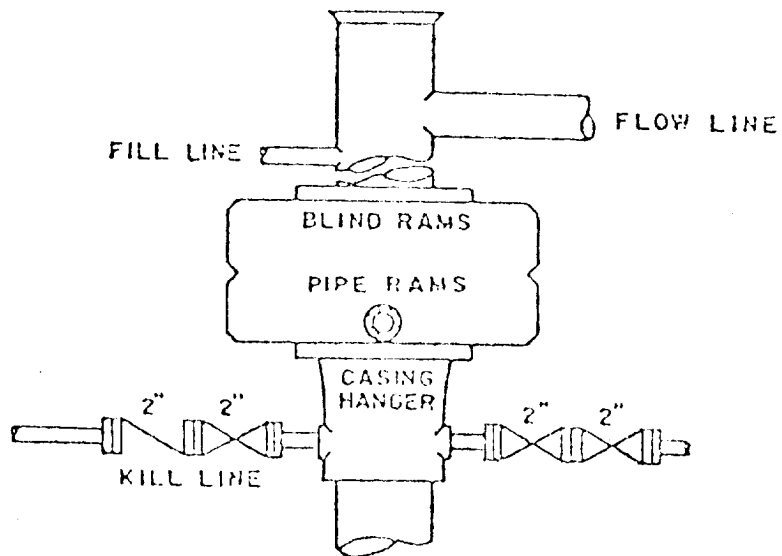
John W. West

Certificate No. 676



BLOWOUT PREVENTER SKETCH

Santa Fe Exploration Company
Well #1 New Year Federal
NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 3-25S-29E



SUPPLEMENTAL DRILLING DATA

SANTA FE EXPLORATION COMPANY

WELL #1 NEWYEAR FEDERAL

NE $\frac{1}{4}$ SE $\frac{1}{4}$ SEC. 3-25S-29E

EDDY COUNTY, NEW MEXICO

1. SURFACE FORMATION: Sandy soils of Quaternary Age.
2. ESTIMATED TOPS OF GEOLOGIC MARKERS (2993' G.L. Elevation):

Salt	400'	Cherry Canyon	4215'
Base Salt	2880'	Brushy Canyon	5580'
Delaware Lime	3085'	Bone Springs	6860'
Delaware Sand	3120'		

3. ANTICIPATED POROSITY ZONES:

Water: Above 300'
Oil: Bell Canyon
Oil: Cherry Canyon
Oil: Brushy Canyon

4. CASING DESIGN:

<u>Size</u>	<u>Interval</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>
13 3/8"	0 - 15'	48.0#	H-40	STC
8 5/8"	0 - 400'	24.0#	K-55	STC
4 1/2"	0 - 5200'	9.5#	K-55	STC
	5200 - 7000'	10.5#	K-55	STC

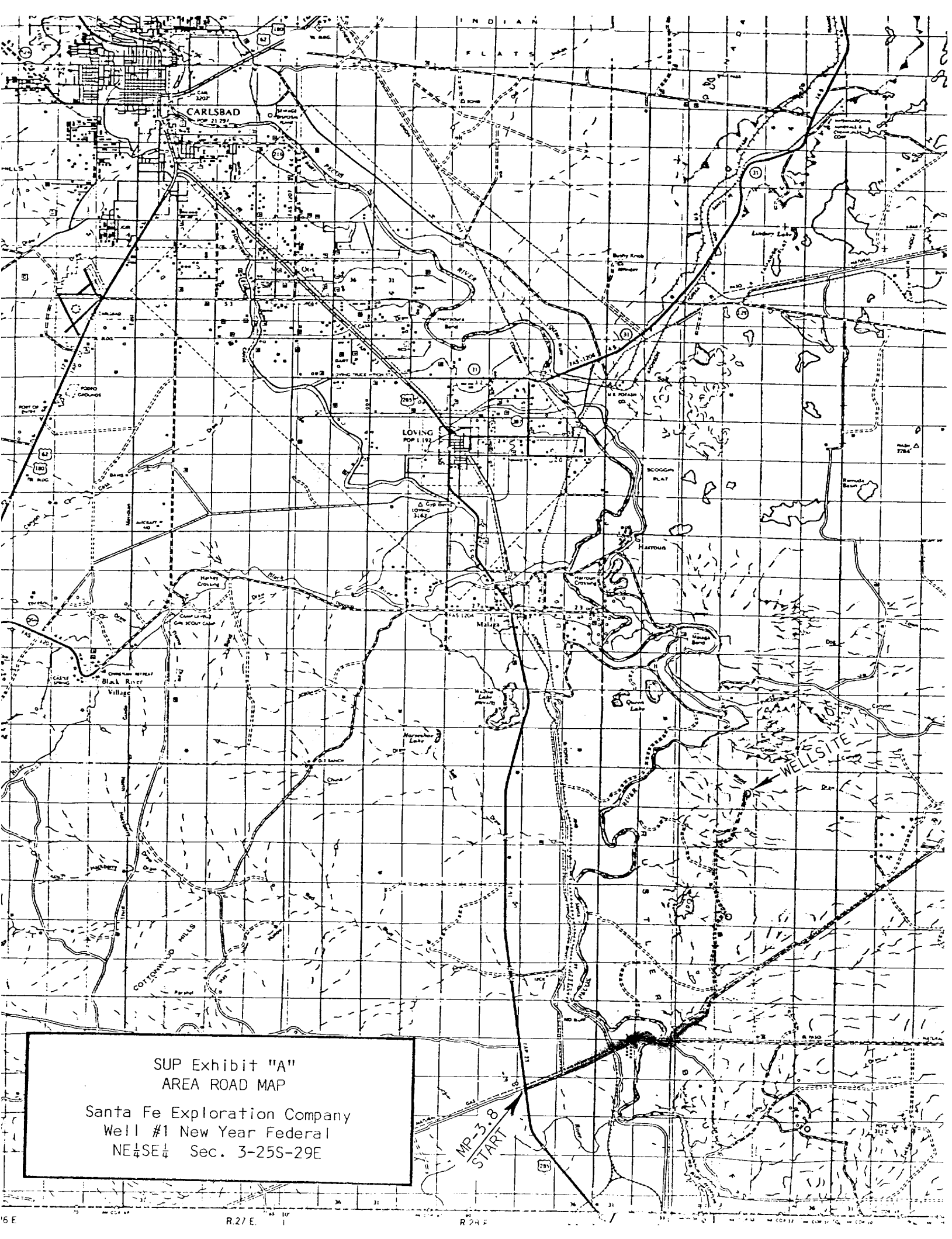
5. PRESSURE CONTROL EQUIPMENT: Two Ram-Type Preventors.

6. CIRCULATING MEDIUM:

0 - 400' Fresh water with gel added if needed for viscosity.

400 - 7000' Fresh water (allowing chlorides to increase while drilling salt section) conditioned as necessary for control of viscosity and water loss.

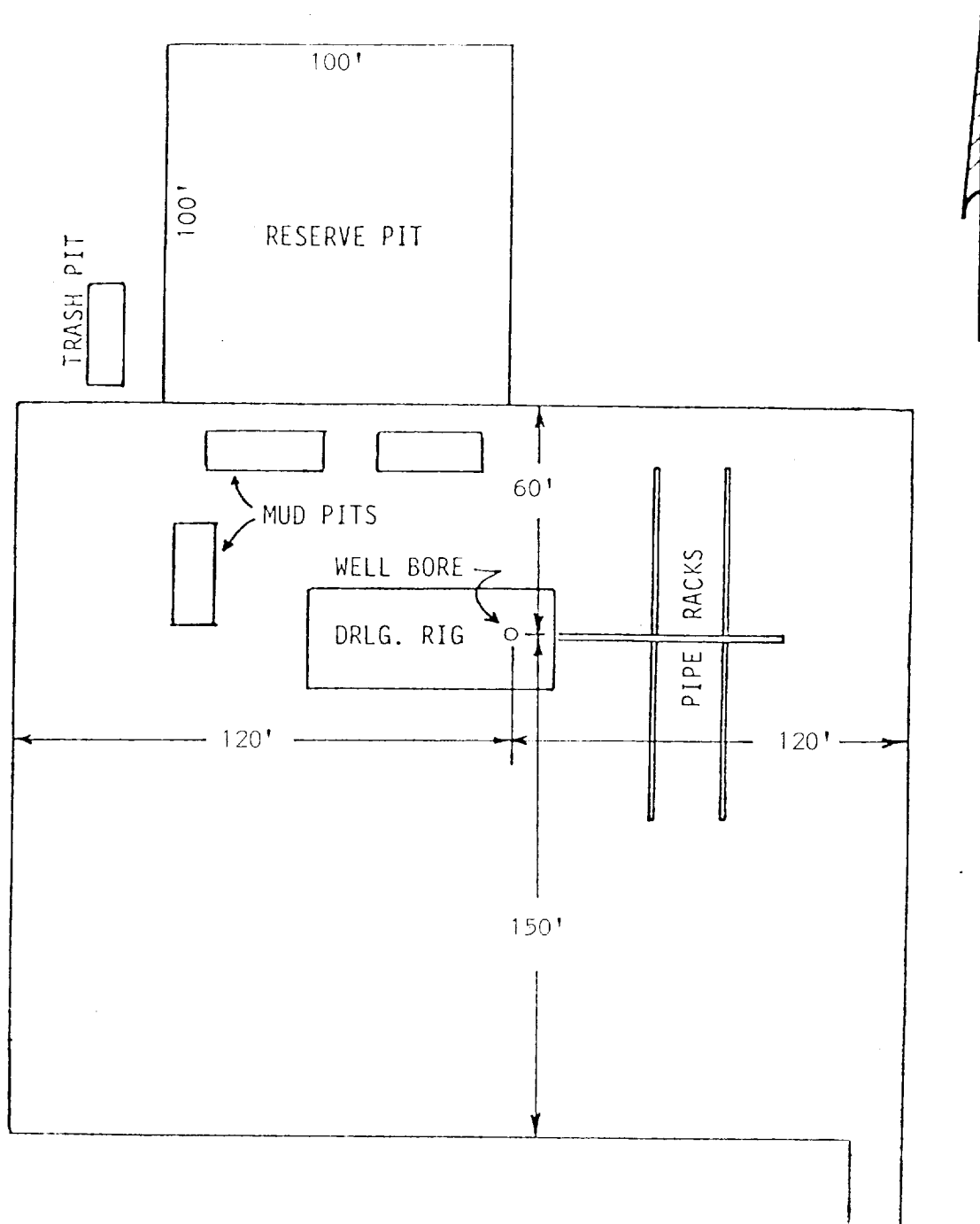
7. AUXILIARY EQUIPMENT: Drill string safety valve.
8. TESTING, LOGGING AND CORING PROGRAMS: Electric logs will include a DLL and some type of porosity log. No DST's or coring are planned.
9. ABNORMAL PRESSURES, TEMPERATURES OR GAS: None anticipated.
10. ANTICIPATED STARTING DATE: It is planned that operations will commence about December 31, 1982. Duration of drilling, testing and completion operations should be one to five weeks.



SUP Exhibit "A"
AREA ROAD MAP

Santa Fe Exploration Company
Well #1 New Year Federal
NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 3-25S-29E

MP-3.8
START



SUP Exhibit "D"
SKETCH OF WELL PAD
Santa Fe Exploration Company
Well #1 New Year Federal
NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 3-25S-29E