

District I
PO Box 1980, Hobbs, NM 88241-1980

District II

PO Drawer DD, Artesia, NM 88211-0719

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-101
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease-6 Copies
Fee Lease-5 Copies

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address Harvey E. Yates Company P.O. Box 1933 Roswell, N.M. 88202		OGRID Number 10179
		API Number 30-025-35611
Property Code 28243	Property Name 34 PLUMA STATE	WELL NO. 1

Surface Location

UL or Lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
UL A	34	T-15S	R-32E		660'	NORTH	990'	EAST	LEA

Proposed Bottom Hole Location If Different From Surface

UL or Lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Proposed Pool 1					Proposed Pool 2				
WILDCAT					MORROW				

Work Type Code	Well Type Code	Cable/Rotary	Lease Type Code	Ground Level Elevation
N	G	ROTARY	S	4,278'
Multiple	Proposed Depth	Formation	Contractor	Spud Date
N	13,700	MORROW	UTI DRILLING	15-Aug-01

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8"	48#	400'	425	CIRC. TO SURFACE
12 1/4"	8 5/8"	32#	5,000'	1200	CIRC. TO SURFACE
7 7/8"	5 1/2"	17#	13700	1200	600' ABOVE PAY

Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program if any. Use additional sheets if necessary.

MUD PROGRAM

DEPTH TYPE OF MUD

0-400 FRESH WATER w/ PAPER & SHALE GUARD.
400-5,000 BRINE WATER w/ PAPER & EZ MUD.
5,000-9,300 FRESH WATER w/ PAPER, EZ MUD, N03, 30-60,000 CHLORIDES, & SWEEPS AS NEEDED.
9,300-13,700 MUD UP W/BARAZAN. 30-60,000 CHLORIDES, MW-9.6-9.8, VIS-34-36, WL-10-20

PRESSURE CONTROL EQUIPMENT

5,000# BOP w/ ANNULAR.
UPPER AND LOWER KELLY COCK. ROTATING HEAD PRIOR TO DRILLING 8 5/8" SHOE

OTHER

THIS IS A POSSIBLE H2S AREA. AN H2S COMPLIANCE PACKAGE WILL BE UTILIZED.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

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

Signature *Bob Williams*

Printed name: **Bob Williams**

Title: **Drilling Superintendent**

Date: **6/22/01**

Phone: **505-623-6601**

OIL CONSERVATION DIVISION

Approved by

Orig. Signed by
Paul Kautz
Geologist

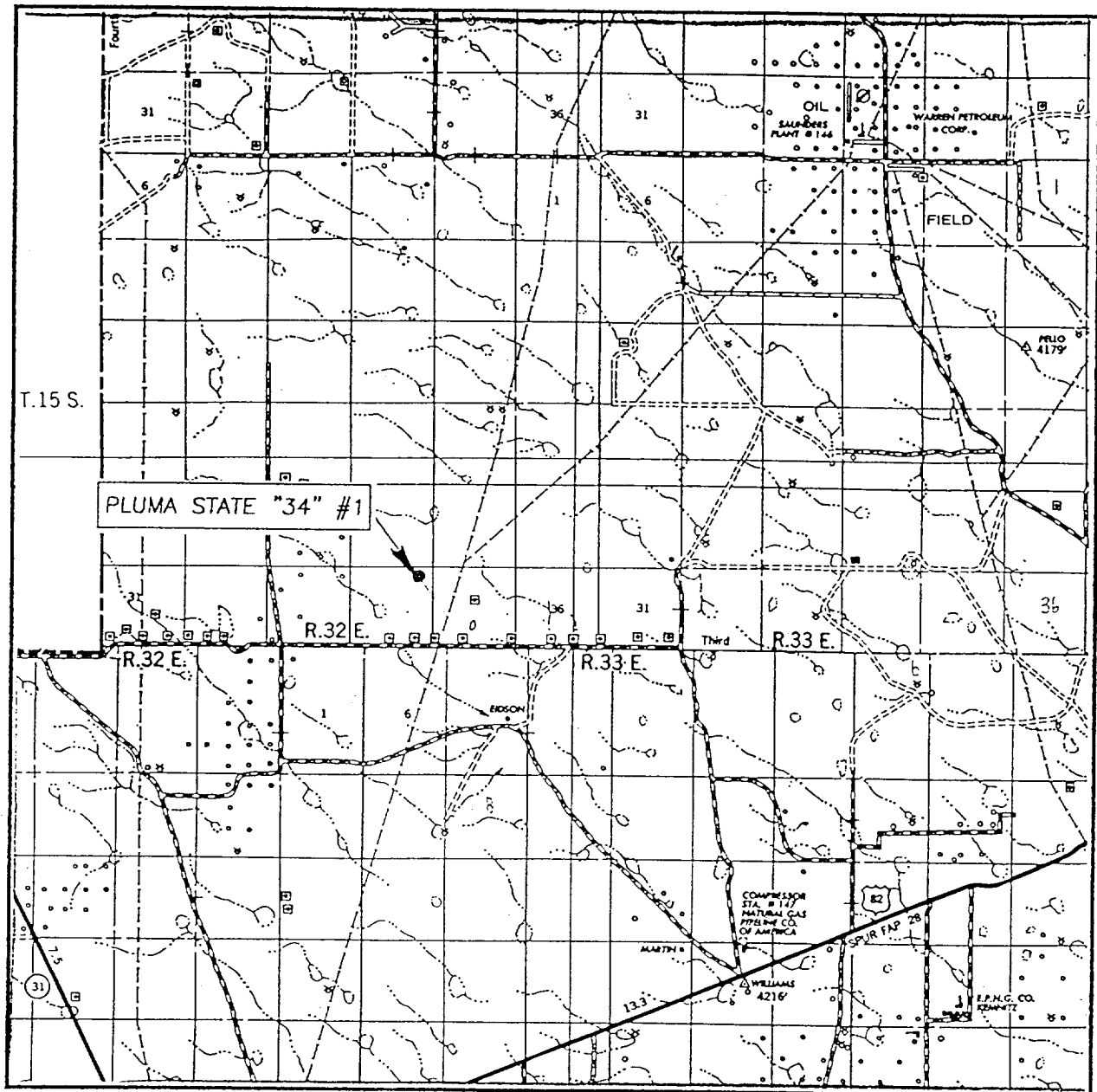
Title:

Approval Date: **JUN 26 2001** Expiration Date:

Conditions of Approval:

Attached

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 34 TWP. 15-S RGE. 32-E

SURVEY N.M.P.M.

COUNTY LEA

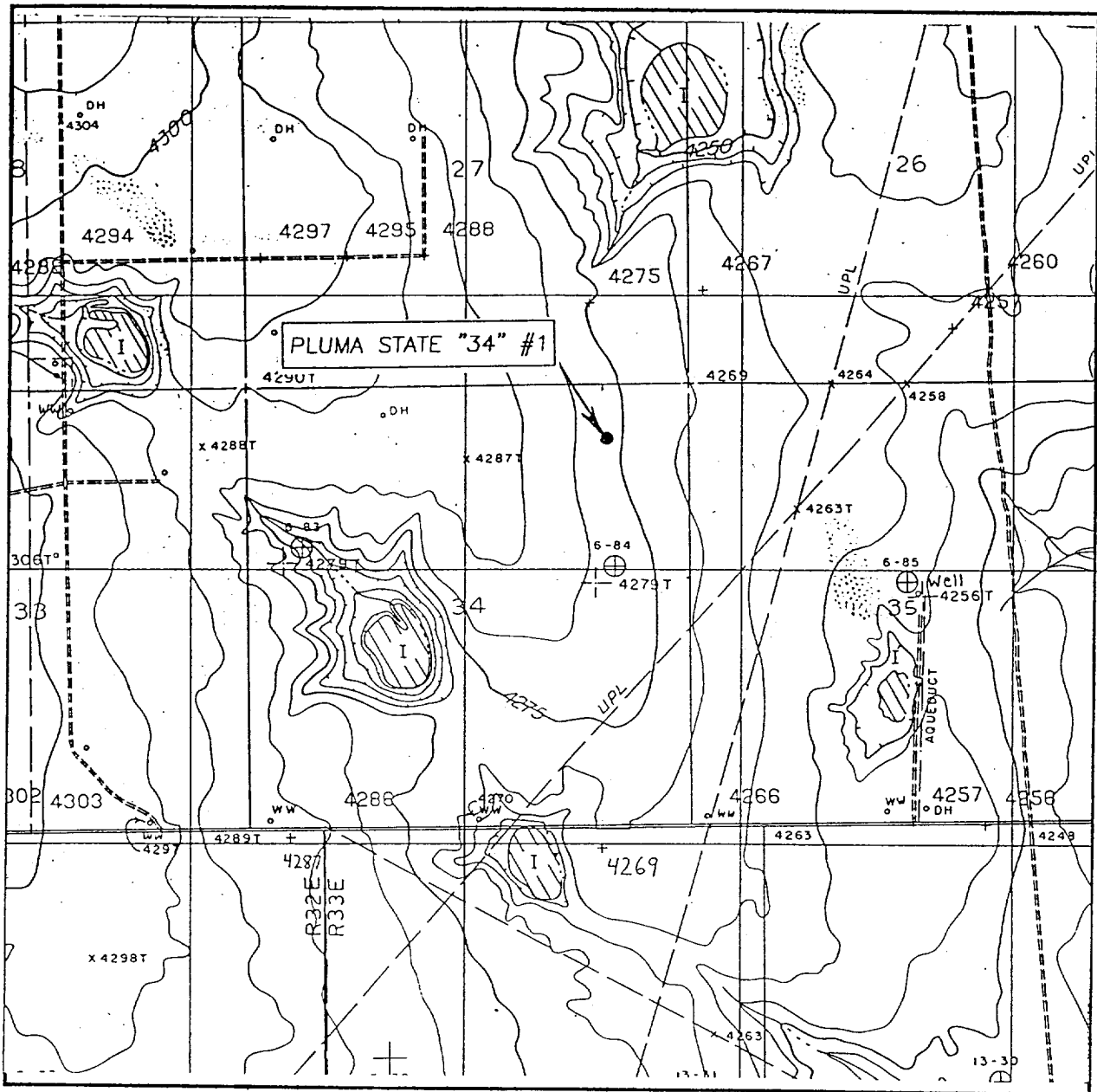
DESCRIPTION 660' FNL & 990' FEL

ELEVATION 4278'

OPERATOR HEYCO

LEASE PLUMA STATE "34"

JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505) 393-3117



CONTOUR INTERVAL: 5'
BUCKEYE NW, N.M.

U.S.G.S. TOPOGRAPHIC MAP
BUCKEYE NW, N.M.

JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505) 393-3117

DISTRICT I
P.O. Box 1989, Hobbs, NM 88241-1989

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT III
1000 Rio Brazos Rd., Artec, NM 87410

DISTRICT IV
P.O. Box 2088, SANTA FE, N.M. 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-35611	Pool Code ✓	Pool Name Wildcat, Morrow
Property Code 28243	Property Name 34 PLUMA STATE "34"	Well Number 1
OGRID No. 10179	Operator Name HARVEY E. YATES COMPANY	Elevation 4278'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	34	15-S	32-E		660	NORTH	990	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

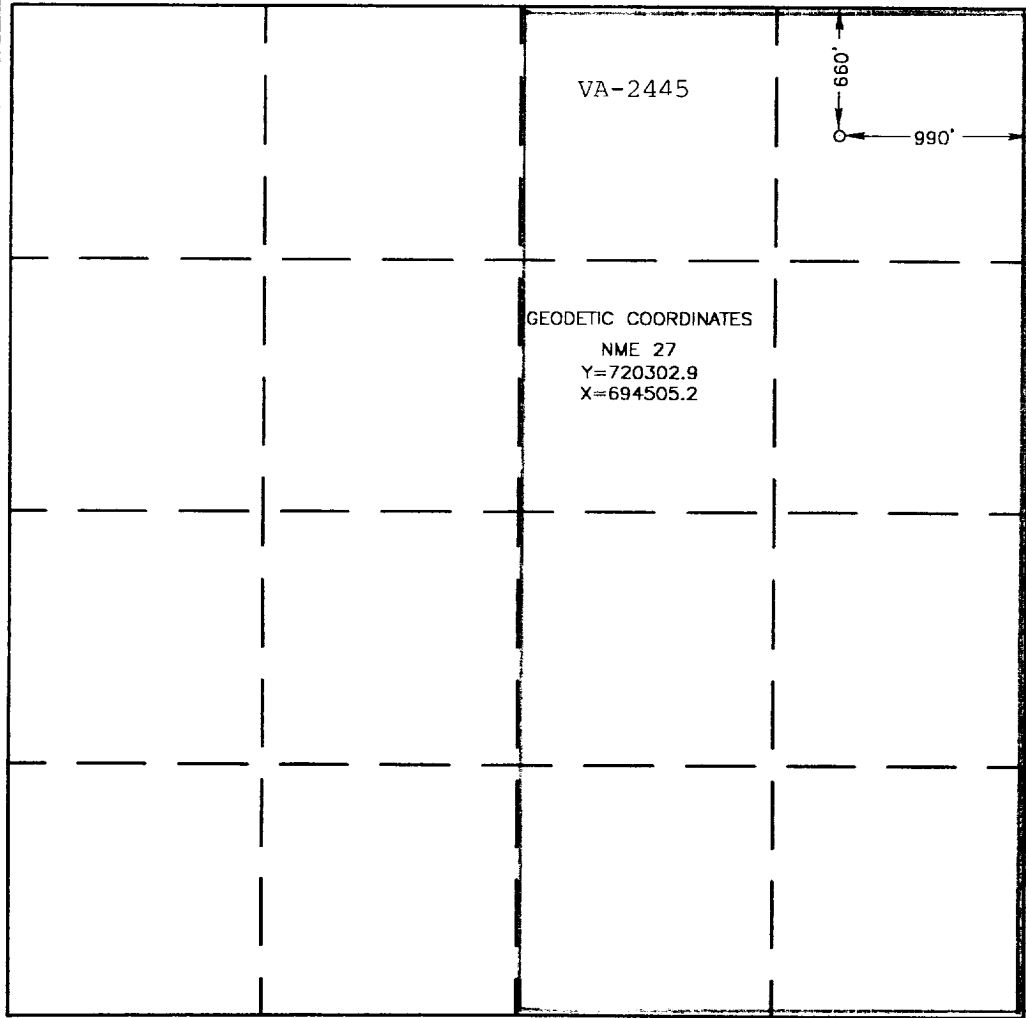
	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. <u>Bob Williams</u> Signature Bob Williams Printed Name Drilling Superintendent Title 6/22/01 Date
	SURVEYOR CERTIFICATION I hereby certify that the well location 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 belief. JUNE 18, 2001 Date Surveyed AWB Signature & Seal of Professional Surveyor <u>Ronald J. Edson</u> Certificate No. RONALD J. EDSON 3239 GARY EDSON 12641

EXHIBIT "D" LOCATION DIAGRAM

PLUMA STATE 34 #1
660' FNL & 990' FEL
SEC 34, T15S, R32E
LEA COUNTY, NM

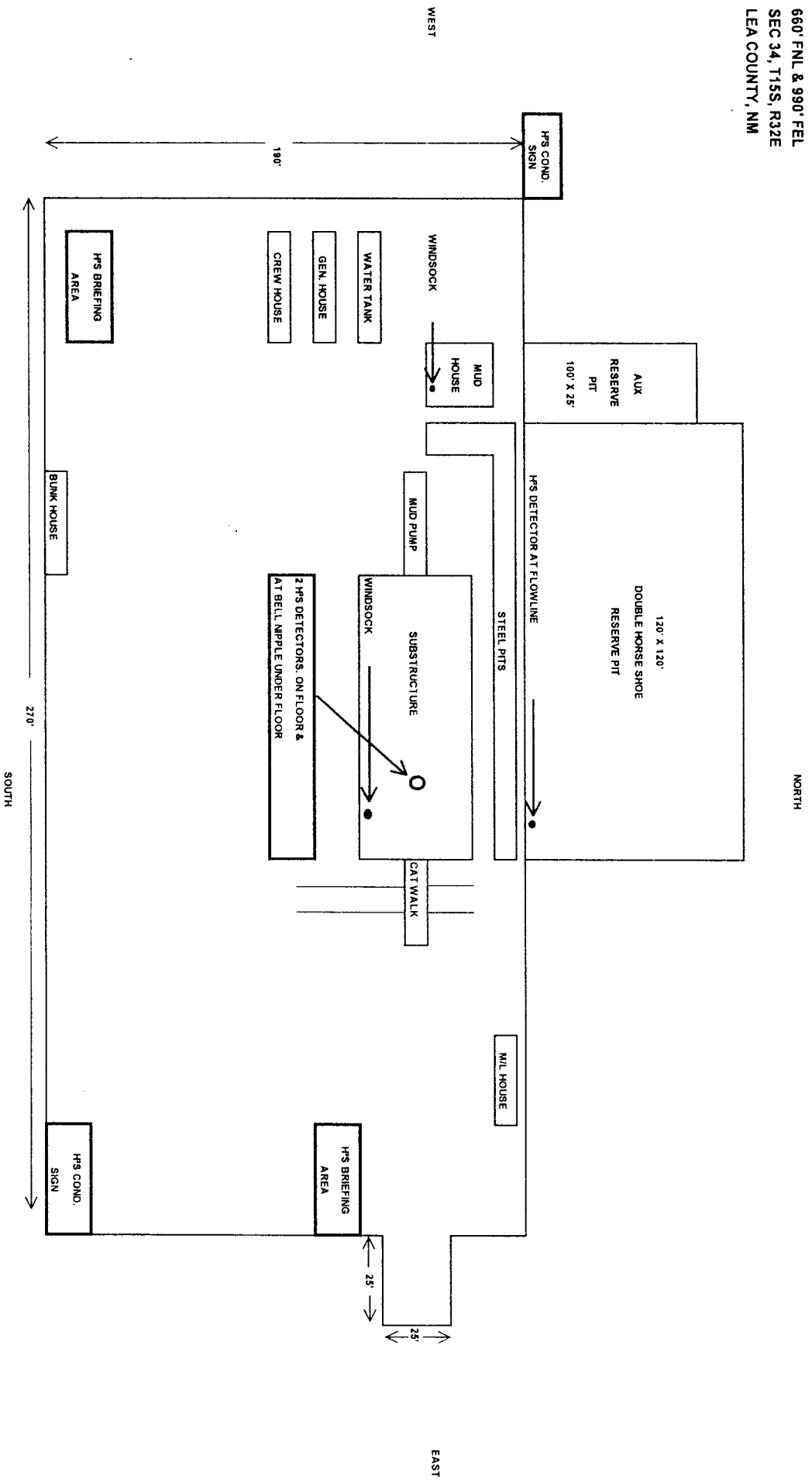


EXHIBIT "C" BOP STACK
PLUMA STATE 34 #1
660' FNL & 990' FEL
SEC 34, T15S, R32E
LEA COUNTY, NM

