

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

30-015-26158
Form approved
Budget Bureau No. 1004-0136
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.
LC-029388 (B)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
AJ 11 Federal

9. WELL NO.
#2

10. FIELD AND POOL, OR WILDCAT
Tamano Bone Springs

11. SEC., T., R., M., OR BLE.
AND SURVEY OR AREA
Sec. 11, T18S, R31E

12. COUNTY OR PARISH
Eddy

13. STATE
NM

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
12 miles SE of Loco Hills, New Mexico

15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)
660'

16. NO. OF ACRES IN LEASE
80

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.
1139'

19. PROPOSED DEPTH
8950

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3750.3 GL

22. APPROX. DATE WORK WILL START*
ASAP

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
Harvey E. Yates Company

3. ADDRESS OF OPERATOR
P.O. Box 1933, Roswell, New Mexico 88202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements*)
At surface 660' FEL & 1650' FSL

At proposed prod. zone same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
12 miles SE of Loco Hills, New Mexico

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PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8	54.5	350	Circ to surface
12 1/4	8 5/8	24 & 32	2350	Circ to surface
7 7/8	5 1/2	17	8950	600' above pay

MUD PROGRAM:

0 - 350 FW w/paper
350 - 2350 Brine water
2350 - 8950 FW mud

APPROVAL SUBJECT TO
CERTEIFICATION AND
SPECIAL SIMULATIONS
ATTACHED

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 [Signature] NM Young TITLE Drilling Superintendent DATE 7/10/89

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY Chris. Signed by Richard L. Morris TITLE AREA MANAGER DATE 7-26-89

CONDITIONS OF APPROVAL, IF ANY: _____

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 1 copy

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

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

DISTRICT I
P.O. Box 1480, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

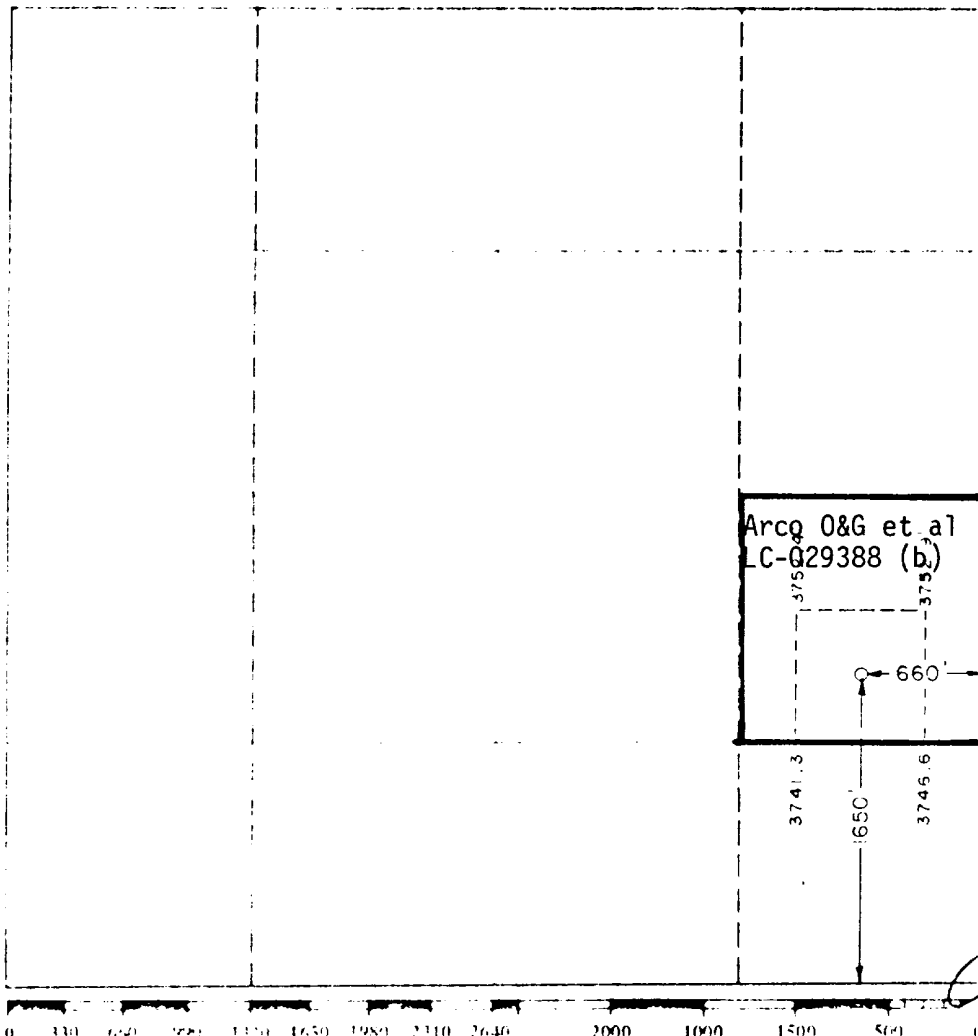
DISTRICT III
100 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Harvey E. Yates Co.		Lease All Federal		Well No. 2	
Unit Letter 1	Section 11	Township 1S South	Range 31 East	County NMPM	Eddy
Actual Footage Location of Well 1000 feet from the north line and 660 feet from the east line			Dedicated Acreage 40 Acres		
Producing Formation Bone Springs			Pool Tamano Bone Springs		

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty)
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, forced 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-stakeholder, communitizing such interest, has been approved by the Division



OPERATOR CERTIFICATION

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

Signature
A. M. Young
Printed Name
NM Young
Position
Drilling Superintendent
Company
Harvey E. Yates Company
Date
July 10, 1989

SURVEYOR CERTIFICATION

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

Signature
Date

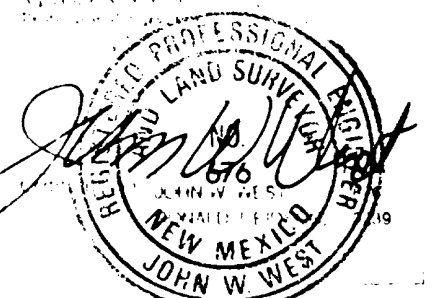
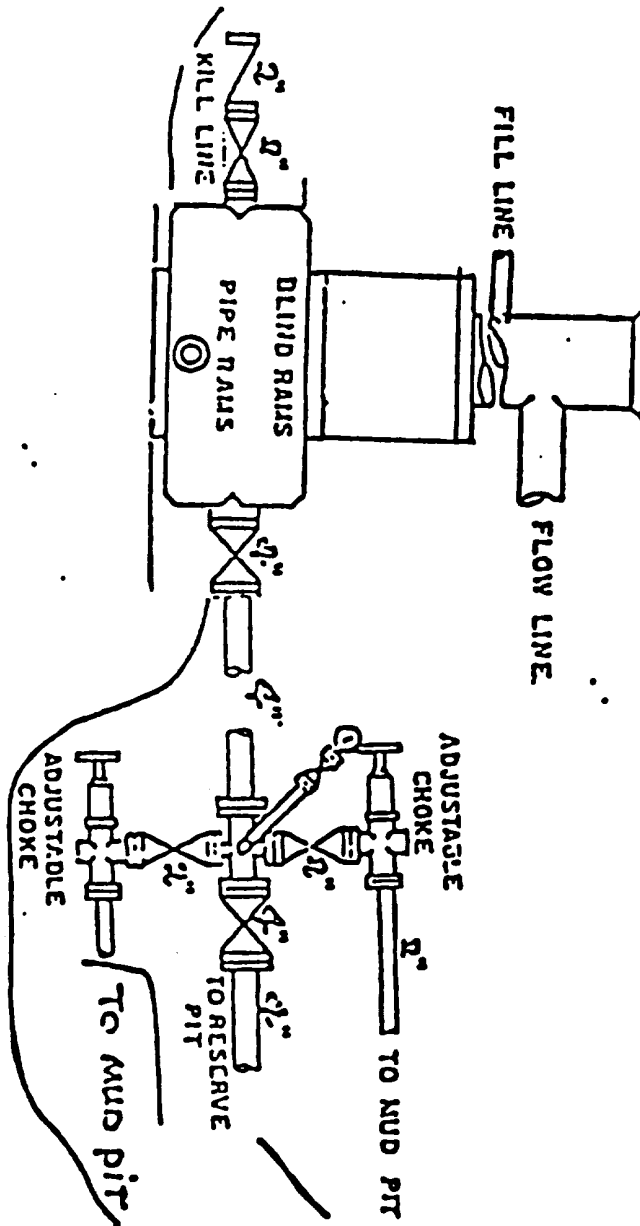


EXHIBIT C

Harvey E. Yates Co.
A.J. 11 Federal #2
Sec. 11 T-18S R-31E
Eddy Co., New Mexico

900 Series



Application

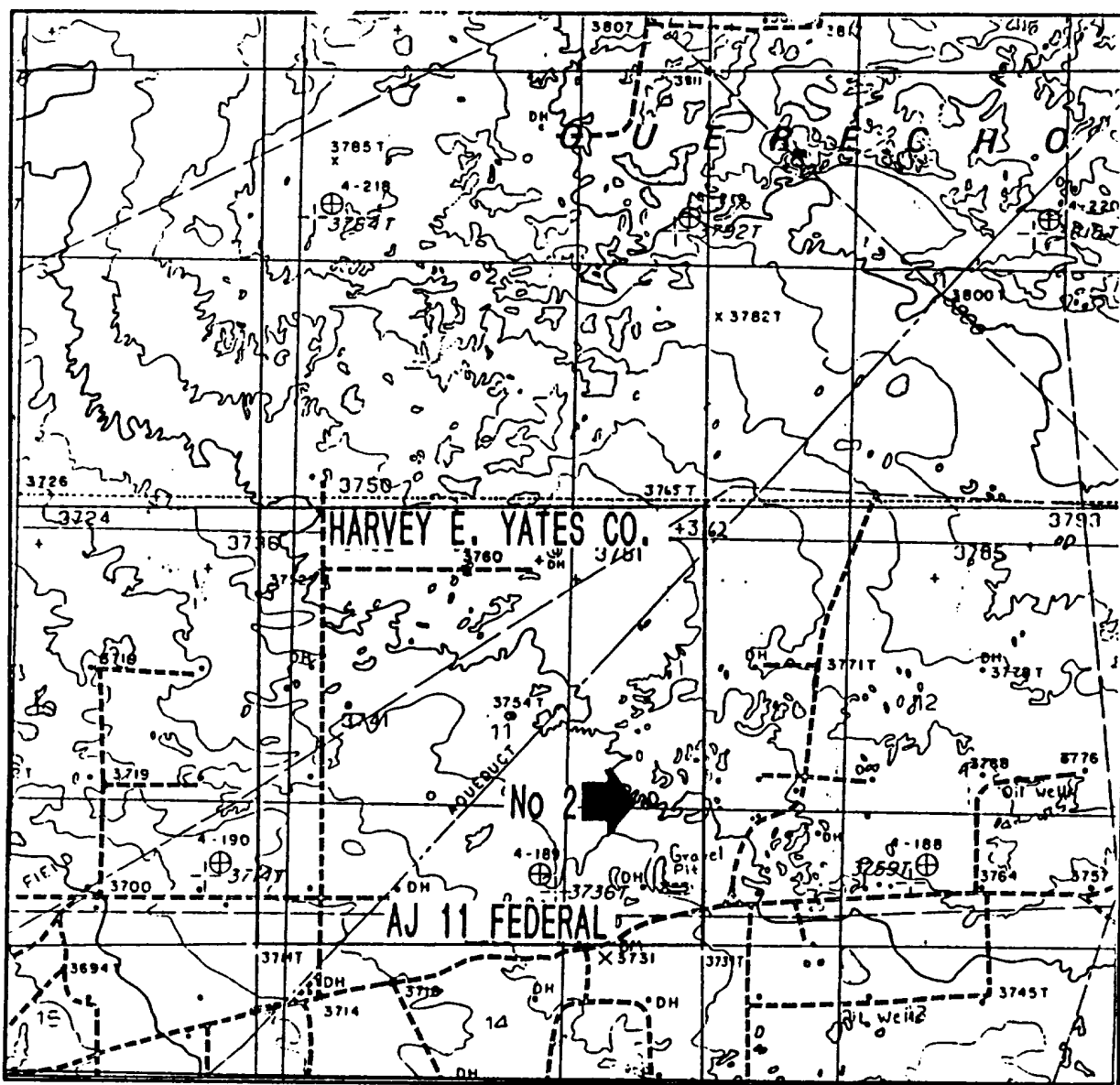
HARVEY E. YATES COMPANY
AJ 11 Federal #2
Sec. 11, T18S, R31E
Eddy County, New Mexico

In conjunction with Form 3160-3, Application for Permit to Drill the Subject well in Section 11, Township 18 South, Range 31 East, Eddy County, New Mexico, Harvey E. Yates Company submits the following ten items of pertinent information in accordance with Bureau of Land Management requirements:

1. The geologic surface formation is quaternary alluvium and bolson deposits and other surficial deposits.
2. The estimated tops of geologic markers are as follows:

Rustler	800'	Grayburg	3978'
Yates	2300'	San Andres	4400'
Seven Rivers	2730'	Bone Spring	5960'
Bowers	3179'	TD	8950
Queen	3440'		
Penrose	3680'		
3. We do not anticipate finding water but have listed the formation in which we anticipate finding oil or gas.

Bone Spring	5900'
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4. Proposed casing program: See Form 3160-3. HEYCO will be running some used casing when applicable.
5. Pressure control equipment: See Exhibit C. Although the rig equipment is 3M rated, this well will be a 2M PSI rating.
6. Mud program: See Form 3160-3.
7. Auxiliary equipment: Blowout preventer
8. Testing, logging and coring programs: One DST is planned in the Bone Springs. No coring is anticipated. Planned logs are DLL-Micro w/GR & Caliper and CN-DEN w/GR & Caliper.
9. No abnormal pressures or temperatures are anticipated.
10. Anticipated starting date: As soon as possible.



SCALE: 1" = 2000'

CONTOUR INTERVAL 10'

SEC. 11 TWP. 18S RGE. 31E

SURVEY NMPM

COUNTY Eddy STATE NM

DESCRIPTION 1650' FSL & 660' FEL

ELEVATION 3750.3'

OPERATOR Harvey E. Yates Co.

LEASE AJ 11 Federal #2

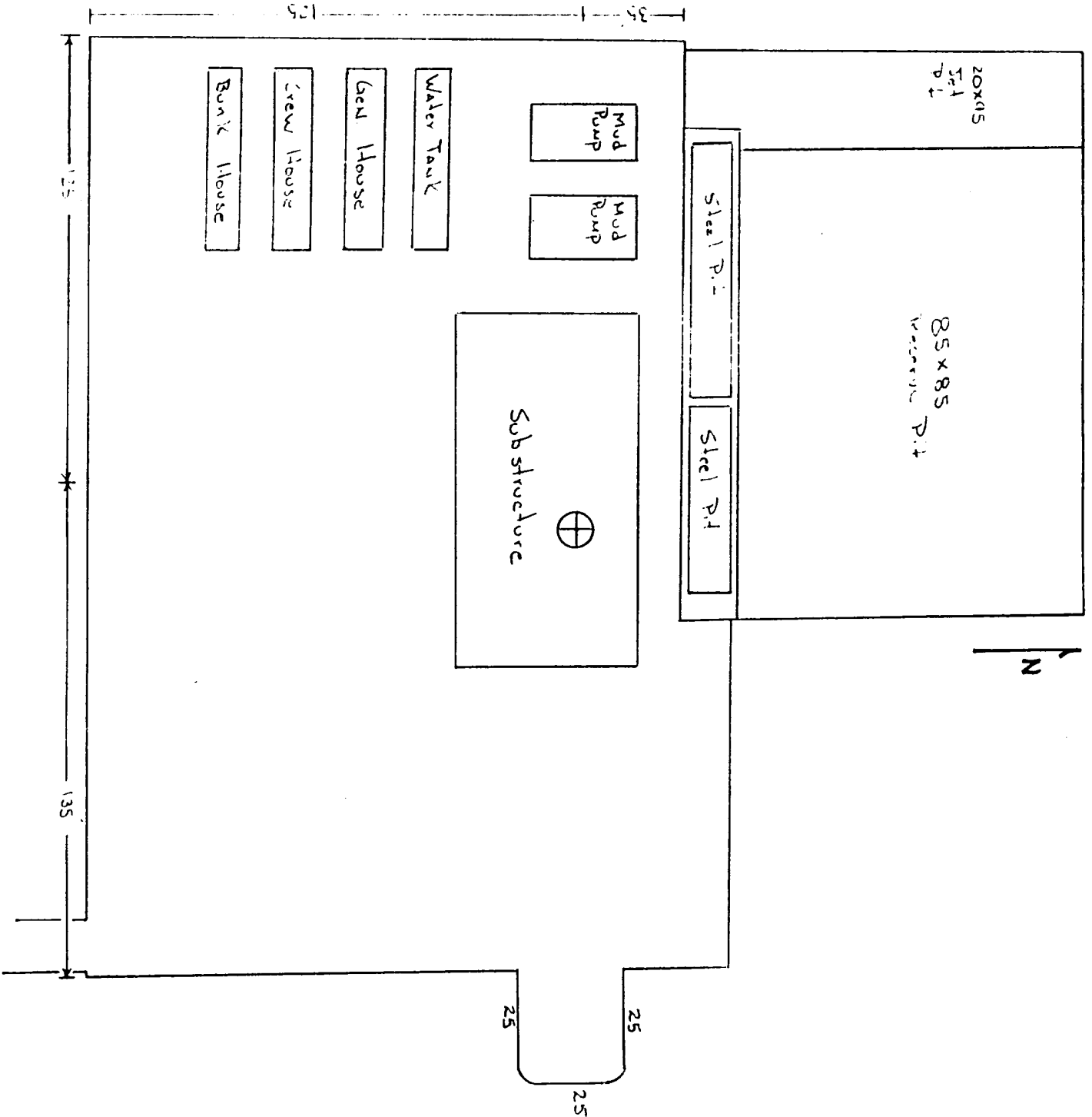
U.S.G.S. TOPOGRAPHIC MAP

Maljamar, NM

EXHIBIT A

EXHIBIT D

Harvey E. Yates Co.
A.J. 11 Federal #2
660' FEL & 1650' FSL
Sec. 11 T-18S R-31E
Eddy Co., New Mexico



30-015-26158

Ogerd-
Property-
Pool-

File
1248010 - O
1248030 - G
1248050 - W
2816960 - g

10-20-89
Dual lat
2344 - 8964
Nuclear log
Surf - 8964