

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
ARTESIA, OFFICE

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  
 J.C. WILLIAMSON

3. ADDRESS OF OPERATOR  
 P.O. BOX 16 MIDLAND, TEXAS 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface  
 1980' FNL & 660' FWL  
 At proposed prod. zone  
 1980' FNL & 660' FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 13 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)  
 660'

16. NO. OF ACRES IN LEASE  
 280

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.  
 660'

19. PROPOSED DEPTH  
 6350'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 2870.0 GL

22. APPROX. DATE WORK WILL START\*  
 August 15, 1984

5. LEASE DESIGNATION AND SERIAL NO.  
 NM 19609

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 Holly Federal

9. WELL NO.  
 3

10. FIELD AND POOL, OR WILDCAT  
 Brushy Draw Delaware

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Sec. 26 T-26-S R-29-E

12. COUNTY OR PARISH  
 Eddy

13. STATE

PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH            | QUANTITY OF CEMENT              |
|--------------|----------------|-----------------|--------------------------|---------------------------------|
| 17-1/2"      | 12-3/4"        | 35#             | 350' <sup>ORP</sup> 450' | 425 sx <b>CIRCULATE</b>         |
| 11"          | 8-5/8"         | 24# & 32#       | 2900'                    | 150 sx tie back to base of salt |
| 7-7/8"       | 4-1/2"         | 10.5#           | 6350'                    | 1350 sx in 2 stages             |



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] TITLE Agent DATE July 18, 1984

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY [Signature] TITLE AREA MANAGER  
 CONDITIONS OF APPROVAL, IF ANY: CARLSBAD RESOURCE AREA

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

\*See Instructions On Reverse Side

MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-132  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section

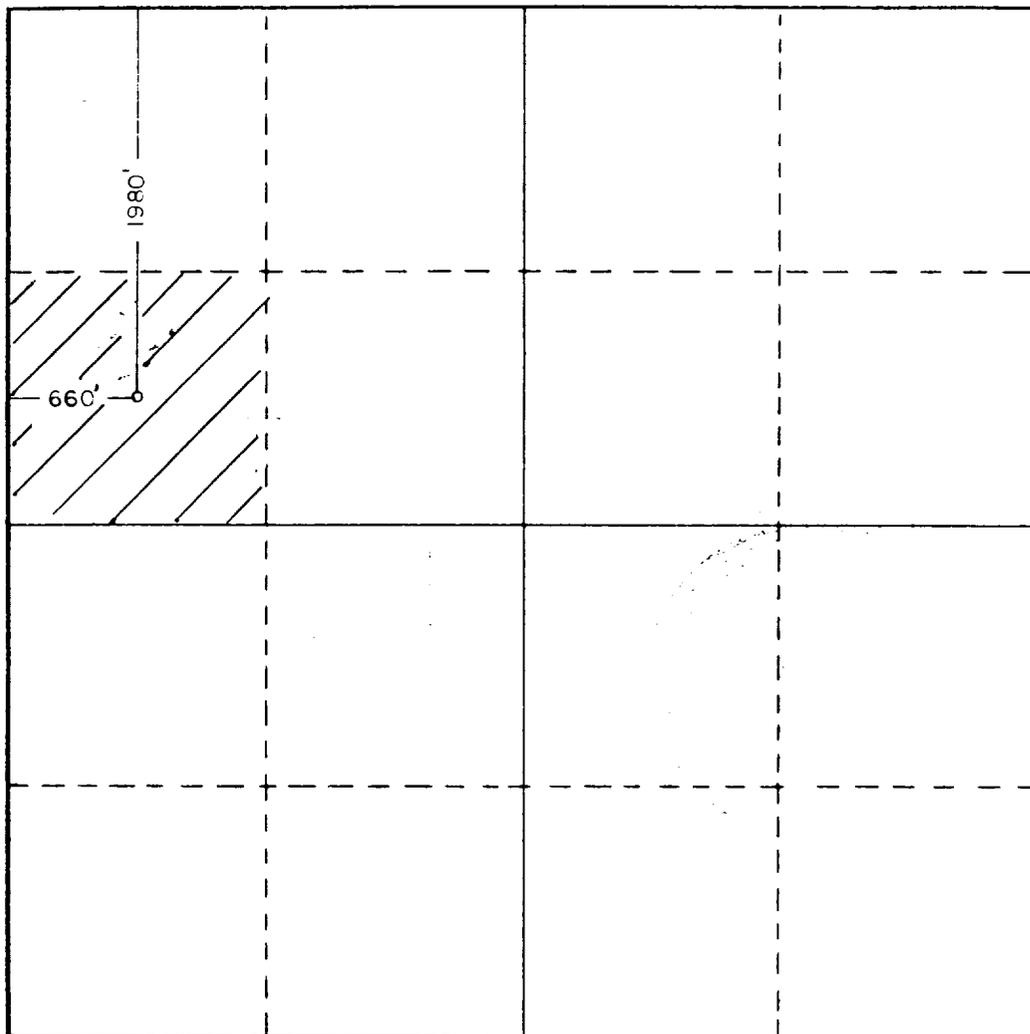
|  |                                 |                        |                              |                                |               |
|--|---------------------------------|------------------------|------------------------------|--------------------------------|---------------|
| Operator<br>J. C. WILLIAMSON   |                                 | Lease<br>HOLLY FED "A" |                              |                                | Well No.<br>3 |
| Unit Letter<br>E   | Section<br>26                   | Township<br>26S        | Range<br>29E                 | County<br>EDDY                 |               |
| Actual Fracture Location of Well:<br>1980 feet from the NORTH line and 660 feet from the WEST line |                                 |                        |                              |                                |               |
| Ground Level Elev.<br>2870.0   | Producing Formation<br>Delaware |                        | Pool<br>Brushy Draw Delaware | Dedicated Acreage:<br>40 Acres |               |

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). N/A
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 N/A

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

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.

*Jan Pfister*

Name  
Jan Pfister

Position  
Agent

Company  
J.C. Williamson

Date  
July 18, 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  
7/12 & 7/14/84

Registered Professional Engineer  
and/or Land Surveyor

*John W. West*

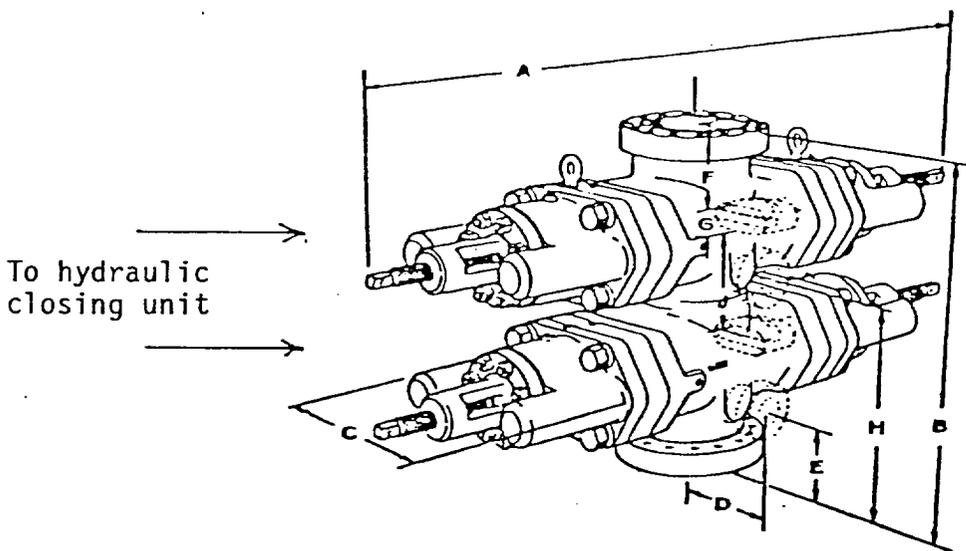
Certificate No. JOHN W. WEST, 676  
RONALD J. EIDSON, 3239



EXHIBIT "E"

BOP Diagram

After 12-3/4 surface casing has been set and cement circulated to the surface, an 11" double ram BOP, as shown below will be put on the hole. This blowout preventer will be connected to a hydraulically controlled closing unit. The pressure rating on this BOP is 3000#, and will have blank and 4-1/2" pipe rams.



J.C. Williamson  
HOLLY FEDERAL "A" #3

SUPPLEMENTAL DRILLING DAT

J. C. WILLIAMSON  
HOLLY FEDERAL "A" #3

1. SURFACE FORMATION: Quaternary Alluvium

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

|                   |       |
|-------------------|-------|
| Rustler Anhydrite | 300'  |
| Lamar Shale       | 3000' |
| Ramsey Sand       | 3025' |
| Olds Sand         | 3025' |
| Top Cherry Canyon | 4150' |
| Top Brushy Canyon | 5100' |

3. ANTICIPATED POSSIBLE WATER AND HYDROCARBON BEARING ZONES:

|                           |                               |
|---------------------------|-------------------------------|
| Fresh Water               | above 100'                    |
| Delaware (oil)            | 3025'                         |
| Brushy Canyon (oil)       | 5100' - 5150' - 5600' - 5650' |
| Lower Brushy Canyon (oil) | 6150' - 6200'                 |

4. PROPOSED CASING AND CEMENTING PROGRAM:

Casing program is shown on Form 9-331 C.

Hole for surface casing will be drilled to a depth below fresh water zones. 12-3/4" surface casing will be run to 350 feet, below all fresh water zones and will be cemented to the surface with 425 sacks of Class "C" cement.

8-5/8" casing will be run and cemented at 2900 feet, prior to entering Delaware section and will be cemented with 150 sacks of Class "C" cement at 2900 feet, tying same back into salt section.

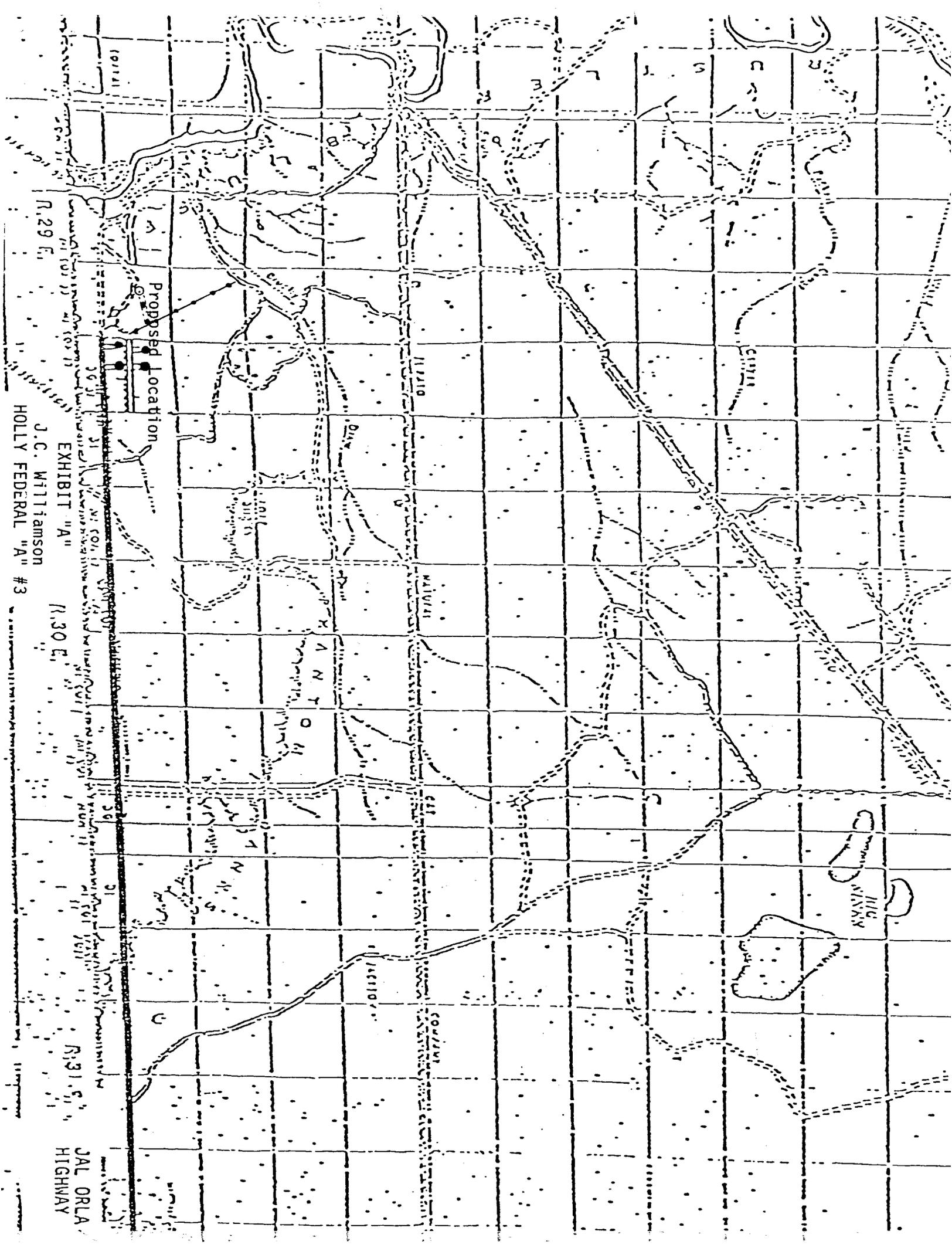
4-1/2" casing will be run to total depth and will be cemented at a total depth if significant shows are encountered in the Brushy Canyon formation, with 1350 sacks Class "C" cement 50-50 poz in stages with DV tool set at 4600 feet plus or minus.

5. PRESSURE CONTROL EQUIPMENT:

Pressure control equipment will consist of a 3000# double ram hydraulically controlled blow out preventer and a 3000# choke manifold.

6. CIRCULATING MEDIUM:

The circulating medium will be fresh water down to 350 feet and brine water in the rest of the hole.



Proposed Location

J.C. Williamson  
EXHIBIT "A"  
#3

R.29 E.

R.30 E.

JAL ORLA  
HIGHWAY

101141

112110

113111

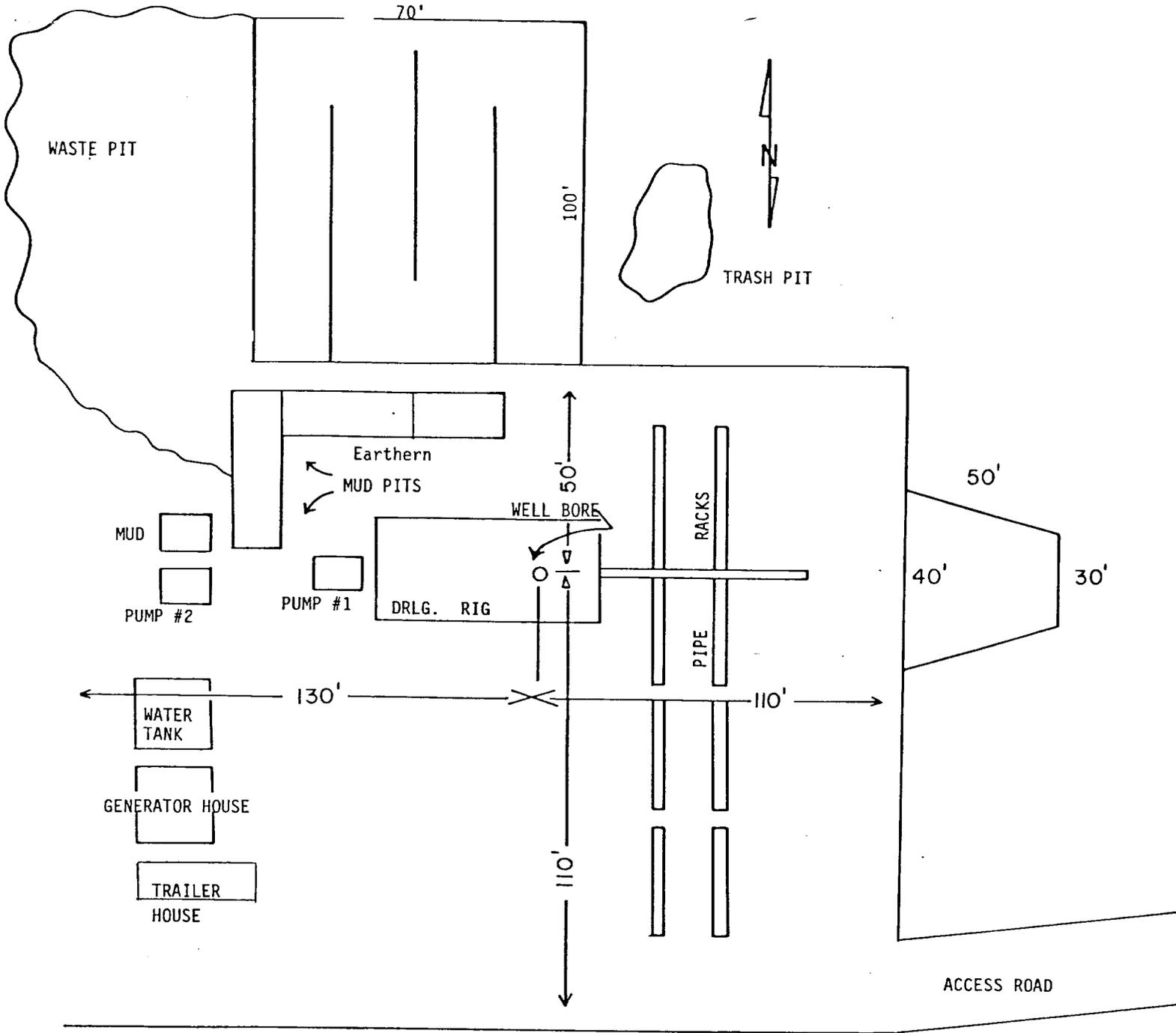
114112

115113

116114

MIL  
CUTL

A N T O



Scale: 1" = 50'

EXHIBIT "D"  
 J.C. Williamson  
 HOLLY FEDERAL "A" #3  
 DRILLING RIG LAYOUT