Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL
OIL WELL [X] GAS WELL [ ] OTHER SINGLE ZONE [ ] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR
Morris R. Antweil

3. ADDRESS OF OPERATOR
Box 2010, Hobbs, New Mexico 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface
1980' FSL & 330' FEL Sec. 9-T25S-R37E
At proposed prod. zone

5. LEASE DESIGNATION AND SERIAL NO.
NM-11768

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
---

7. UNIT AGREEMENT NAME
---

8. FARM OR LEASE NAME
Federal "76"

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Langlie-Mattix

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec.9-T25S-R37E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
2 miles Northeast of Jal, New Mexico

12. COUNTY OR PARISH: Lea
13. STATE: New Mex.

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: 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.: None
19. PROPOSED DEPTH: 3700'
20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3128' GR

22. APPROX. DATE WORK WILL START*
15 March, 1976

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
~~16"~~	~~12-3/4"~~	~~40#~~	~~40'~~	~~30 sx. to circulate~~
~~11"~~	~~8-5/8"~~	~~36#~~	~~800'~~	~~215 sx. to circulate~~
7-7/8"	5-1/2"	15.5#	3700'	250 sx. to 2500'.

Mud Program - See attached letter

BOP Program - 40' to 800' - drilling head
800' to TD - Cameron 10" Series 900
3M double-gate BOP

Approval Expires MAY 25 1976

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 R M Williams TITLE Agent DATE 16 Feb., 1976

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED
AMENDED
FEB 23 1976
ARTHUR R. BROWN
DISTRICT ENGINEER

*See Instructions On Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

U.S. GOVERNMENT PRINTING OFFICE : 1963—O-711-396
839-171

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

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

All distances must be from the outer boundaries of the Section.

Operator	Lease	Well No.
Morris R. Antwell	Federal 76	1

Unit Letter	Section	Township	Range	County
I	9	25 South	37 East	Lea

Actual Footage Location of Well:
1980 feet from the South line and 330 feet from the East line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3127.6	Seven Rivers-Queen	Langlie-Mattix	40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

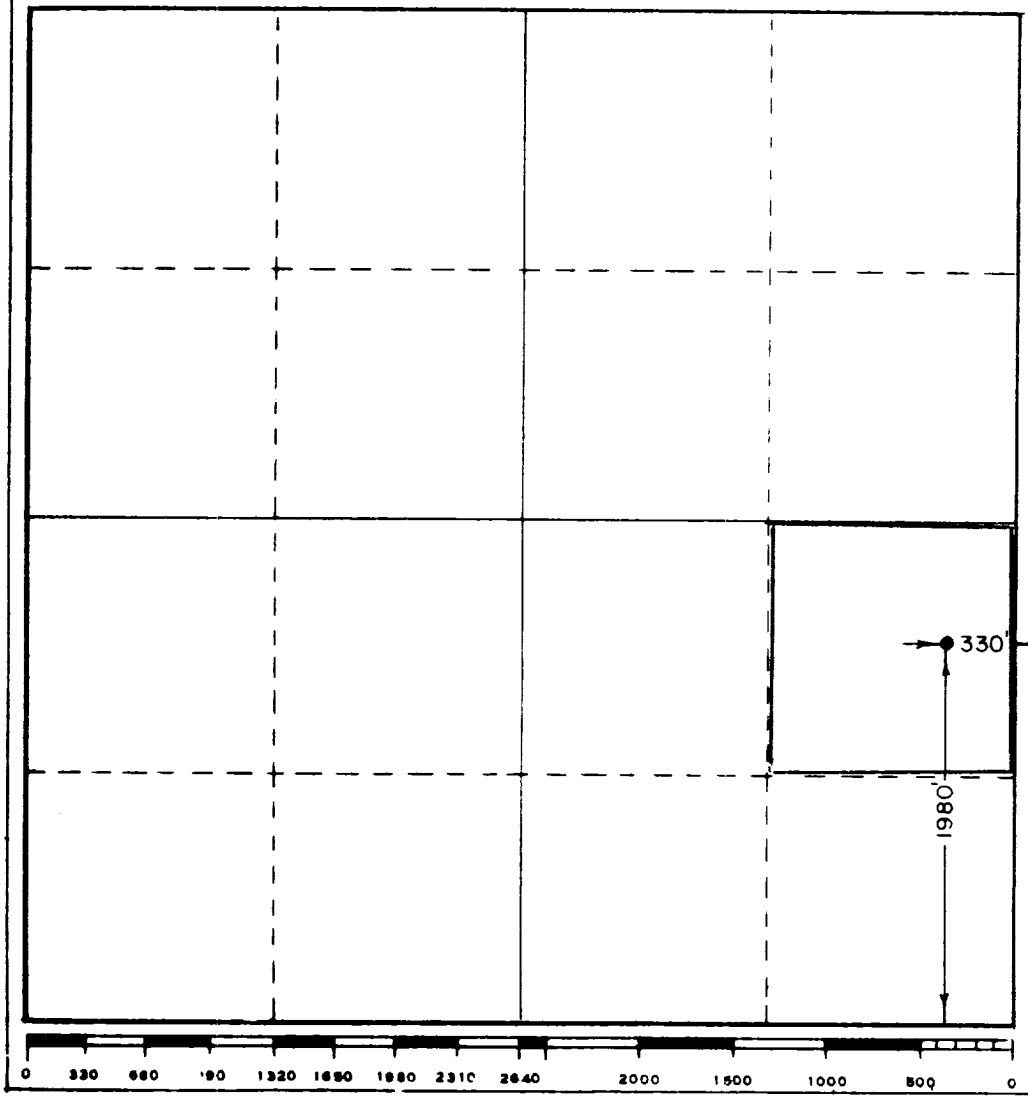
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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.

R M Williams

Name
R. M. Williams

Position
Agent

Company
Morris R. Antweil

Date
16 February, 1976

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
[illegible] 10, 1976

Registered Professional Engineer and/or Land Surveyor

676

Certificate No.

REGISTERED ENGINEER & LAND SURVEYOR
JOHN W. WEST
NEW MEXICO

NL BAROID
INDUSTRIES

BAROID DIVISION

February 10, 1976

Morris R. Antweil
P. O. Box 2010
Hobbs, New Mexico 88240

Re: Mud Program
3,700' Queens Test
Sec. 9, T-25S, R-37E
Lea County, New Mexico

Attention: Mr. R. M. Williams

Gentlemen:

Thank you for the opportuntiy to prepare a mud program for your 3,700' Queens Test. The recommended program is based on Union Texas Petroleum Langlie Jal Unit #76 and other wells drilled in this section.

ENGINEERING
Richard Scarbrough is our engineer for this area and Robert Maldonado is the backup engineer. Shelly Carrens is the District Manager with offices in Hobbs, New Mexico; telephone 505/393-8622.

It would be a pleasure to service and engineer this well for you. If we can be of further assistance in the preplanning of this well, please let us know.

Sincerely yours,

Monroe Lutrick
District Engineer
District 21

ML:rt

Morris R. Antweil
3,700' Queens Test
Sec. 9, T-25S, R-37E
Lea County, New Mexico

SUGGESTED MUD PROGRAM

Conductor 30' of 12 3/4" set with rathole machine:

0' - 800':
Spud mud consisting of AQUAGEL thickened with Lime. Use HYSEAL for seepage loss of fluid. Should severe loss of circulation occur use FIBERTEX and Cottonseed Hulls.

Surface Casing 800' of 9 5/8":

800' - 2,600':
Drill out with saturated brine and circulate a controlled section of the reserve pit. Add brine at the flow line to build and maintain volume. Treat with BENEX for a flocculant and CONDET to prevent solids buildup. Use HYSEAL as needed for seepage. The fluid weight will be 10 ppg due to drilling of the Salado salt.

2,600' - 3,400':
To the existing fluid add 5-6% crude oil emulsified with SOLTEX and ZEOGEL for a viscosity of 32-33 Sec. Use HYSEAL for seepage loss of fluid. The fluid weight will be 10-10.2 ppg.

3,400' - 3,700':
Lower the filter loss to 10-12 cc with IMPERMEX prior to drilling into the Queens sand. Maintain the viscosity 34-36 Sec. and oil content at 4-5%. The mud weight will be 10-10.2 ppg.

Hazards: Possible sticking in the Tansil (2,650'), Yates (2,800'), Queens (3,450'). Possible severe seepage in produced zones.

The estimated cost for this program without severe loss of circulation is $3,500. This estimate does not include the cost of oil or water.

REQUIRED DEVELOPMENT PLAN FOR SURFACE USE

1. See attached Item 1, 2 & 4.

2. See attached Item 1, 2 & 4.

3. See attached Item 3.

4. See attached Item 1, 2 & 4.

5. Tank Batteries & Flow Lines: Producing facilities and tank battery will be built on the well drilling pad, requiring no additional roads, pads or pipe line right-of-way.

6. Water Supply: Fresh water and brine to be used in the drilling operations will be purchased and hauled to location from Jal.

7. Methods for Handling Waste Disposal: All waste material developed during drilling operations will be buried at the location. Drill cuttings will be covered in the reserve mud pit. All garbage, trash and junk will be buried in a separate earthen pit.

8. None.

9. None.

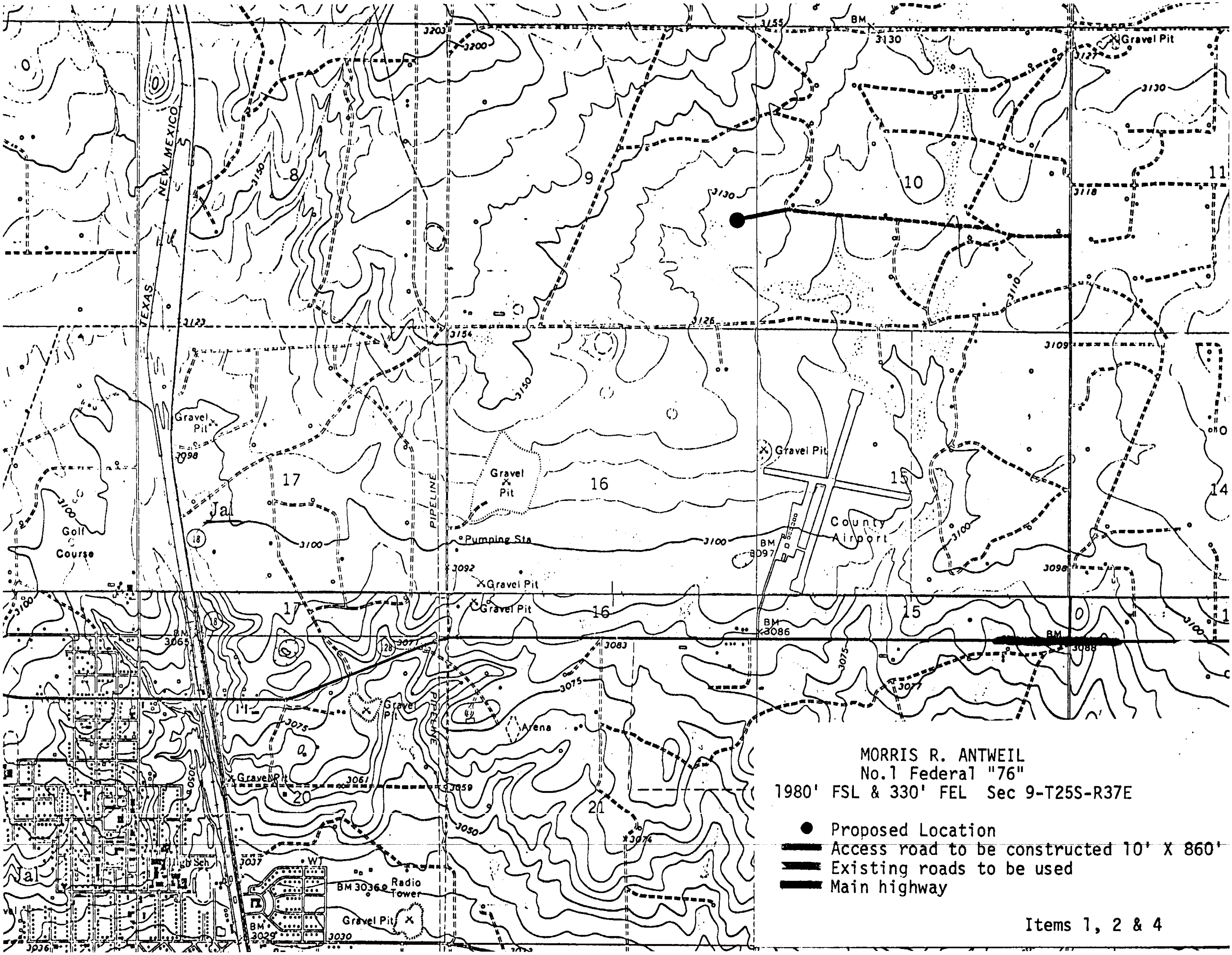
10. See attached Item 10.

11. Location will be restored to its natural grade and contour.

12. The area is sandy soil with sparce grass and shinery vegetation. The location is relatively flat and will require a minimum of cut and fill in the preparation of a drilling pad.

R M Williams

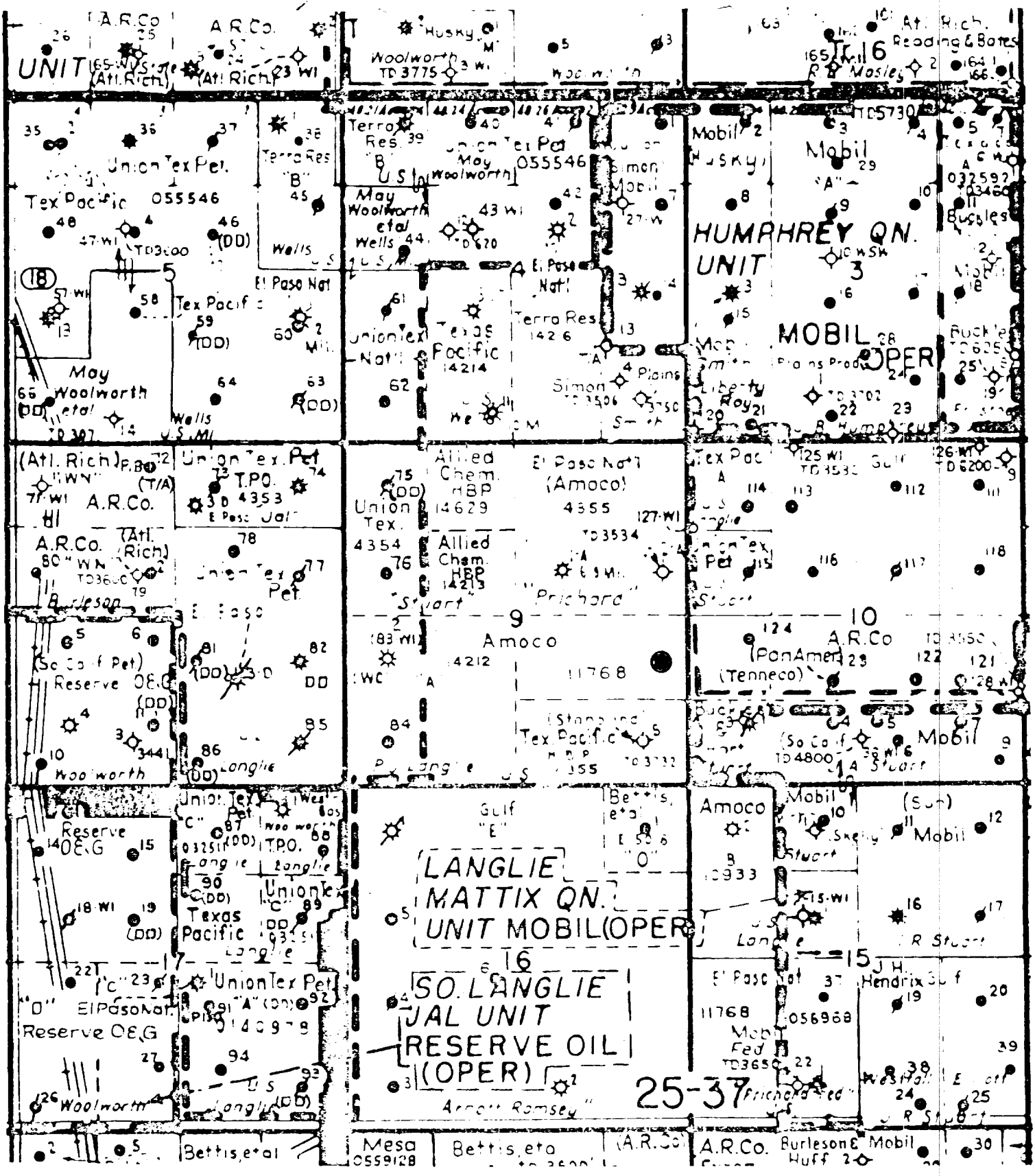
R. M. Williams, Field Representative
Hobbs, New Mexico
Phone: 505-393-4111



MORRIS R. ANTWEIL
No.1 Federal "76"
1980' FSL & 330' FEL Sec 9-T25S-R37E

- ● Proposed Location
- Access road to be constructed 10' X 860'
- Existing roads to be used
- Main highway

Items 1, 2 & 4

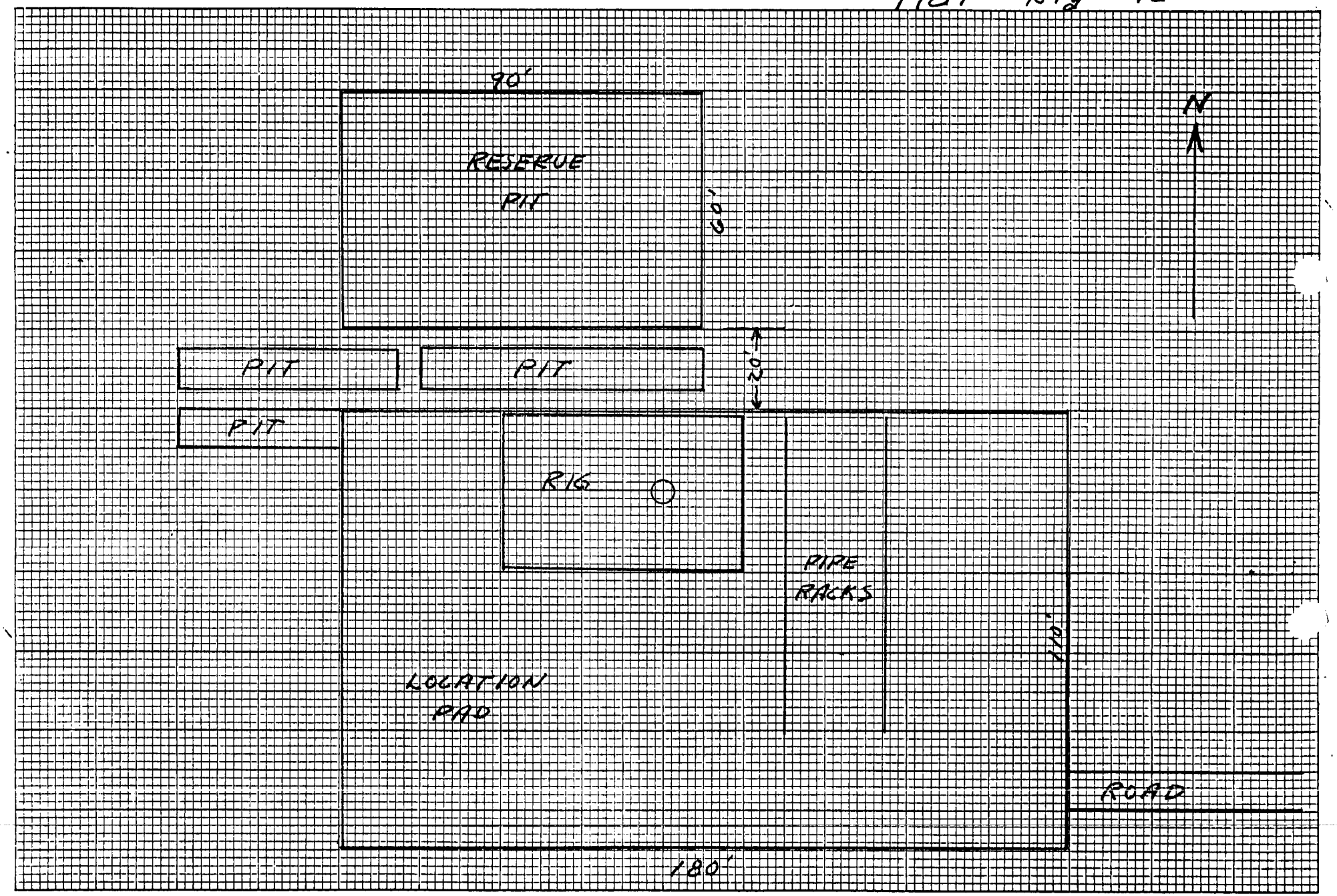


MORRIS R. ANTWEIL
No.1 Federal "76"
1980' FSL & 330' FEL Sec 9-T25S-R37E

● Proposed Location

Item 3

MGF Rig #12



Item 10