

NM OIL COM. COMMISSION
DRAWER DD SUBMIT IN TRIPPLICATE*
80810 Instructions on reverse side)
UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

30-115-26173
Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

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
Ralph E. Williamson

3. ADDRESS OF OPERATOR
PO Box 994, Midland, TX 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 480' FSL & 980' FEL
At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
35 miles Southeast of Carlsbad, NM

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 480'

15. NO. OF ACRES IN LEASE 990

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. 980'

19. PROPOSED DEPTH 6100'

20. ROTARY OR CABLE TOOLS Rotary

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

22. APPROX. DATE WORK WILL START*
Upon Approval

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"	48#	650'	Sufficient to circulate (650SX
11"	8 5/8"	24# & 32#	3550'	Sufficient to tie back to surface (1000
7 7/8"	5 1/2"	15.5#	6100'	1000 sx in 2 stages

Producing zone will be perforated and stimulated as necessary.

RECEIVED

JUN 19 2 00 PM '89

APPROVAL SUBJECT TO
GENERAL AGREEMENTS AND
SPECIFIC CONDITIONS
ATTACHED

Post ID-1
9-1-89
New Loc & APZ

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 Ralph Williamson TITLE Production DATE June 19, 1989
(This space for Federal or State office use)

PERMIT NO. Orig. Signed by Richard L. Manus APPROVAL DATE 8-23-89
APPROVED BY AREA MANAGER CARLSBAD RESOURCE AREA
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

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 1980, Hobbs, NM 88240

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Ralph E. Williamson			Lease Amoco Federal		Well No. 3
Unit Letter P	Section 24	Township 26 South	Range 30 East	County NMPM	Eddy
Actual Footage Location of Well: 480 feet from the south line and 980 feet from the east line					
Ground level Elev. 3116.9'	Producing Formation Delaware		Pool Ross Draw East Delaware		Dedicated Acreage: 40 Acres

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

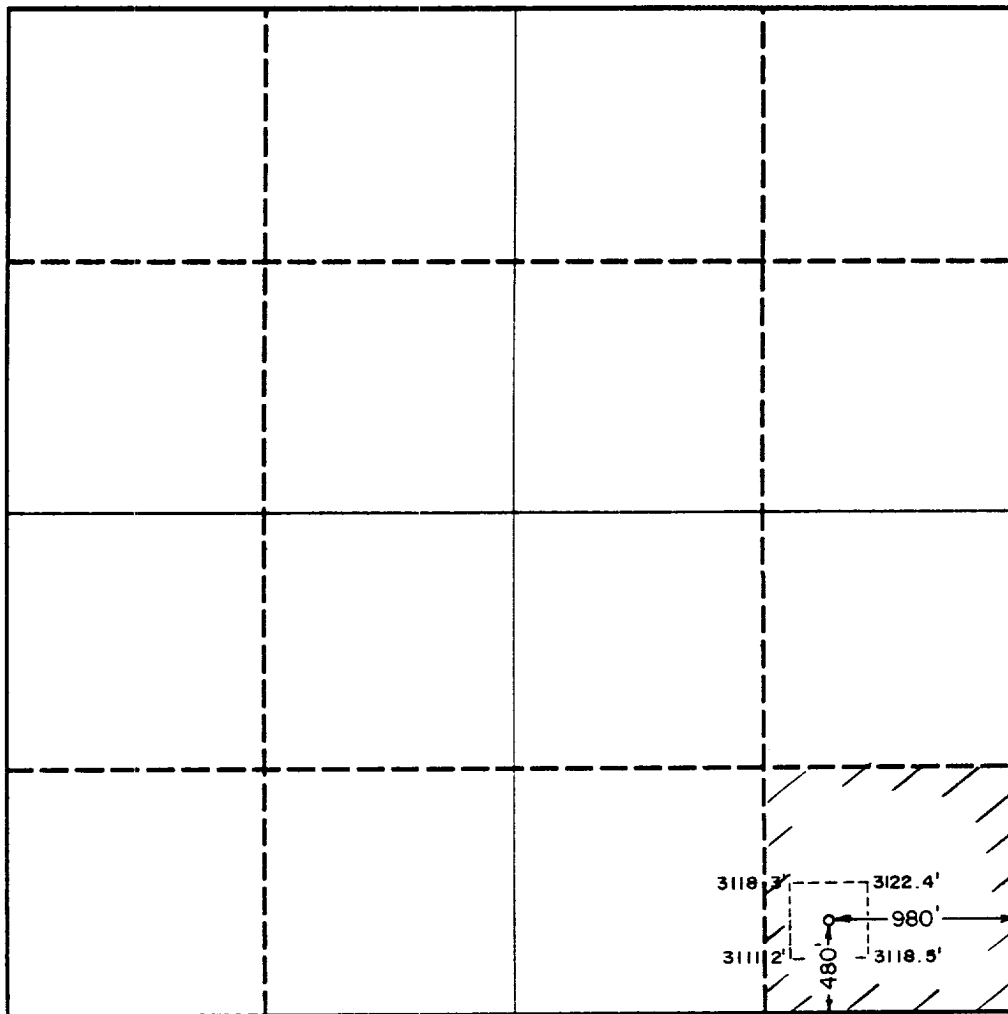
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest 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 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

Ralph E. Williamson

Printed Name

Ralph E. Williamson

Position

Owner

Company

Ralph E. Williamson

Date

June 19, 1989

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 knowledge and belief.

Date Surveyed

June 16, 1989

Signature & Seal of
Professional Surveyor

John W. West
Certificate No. 2239
JOHN W. WEST
2239

SUPPLEMENTAL DRILLING DATA

RALPH E. WILLIAMSON
AMOCO FEDERAL #3

1. SURFACE FORMATION: Quaternary

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Impervious Dewey Lake	450'
Rustler	650'
Salada	1310'
Castile	1550'
Delaware Lime	3500'
T/Bone Springs Lime	7800'

3. ANTICIPATED POSSIBLE HYDROCARBON BEARING ZONES:

Delaware Sand series 3500'-7800'

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. 13 3/8" surface casing will be run to 650', below all fresh water zones and will be cemented to the surface with 650 sacks of Class "C" cement. Cement to circulate.

viga-versa...

lite
lead 4
neat
tail
(SJS)

8 5/8" casing will be run and cemented at 3500 feet, prior to entering Delaware section and will be cemented with 200 sacks of Class "C" cement at 3500 feet, followed by 800 sacks of HOWCO "Lite" tying same back into the surface casing.

5 1/2" casing will be run to total depth and will be cemented with approximately 1000 sacks of Class "C" 50-50 POZ.

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 650 feet and brine water in the rest of the hole, once the drilling water saturates itself naturally with salt.

7. AUXILIARY EQUIPMENT:

Drill string safety valves will be maintained on the rig floor while drilling operations are in progress.

8. TESTING, LOGGING AND CORING PROGRAM:

Drill stem test will be made when drilling time, samples, and other data indicate a test is warranted.

It is planned that a compensated neutron-density gamma ray and gamma ray dual laterolog will be run when total depth is reached.

No coring is planned.

9. ABNORMAL PRESSURES, TEMPERATURES OR HYDROGEN SULFIDE GAS:

None anticipated.

10. ANTICIPATED STARTING DATE:

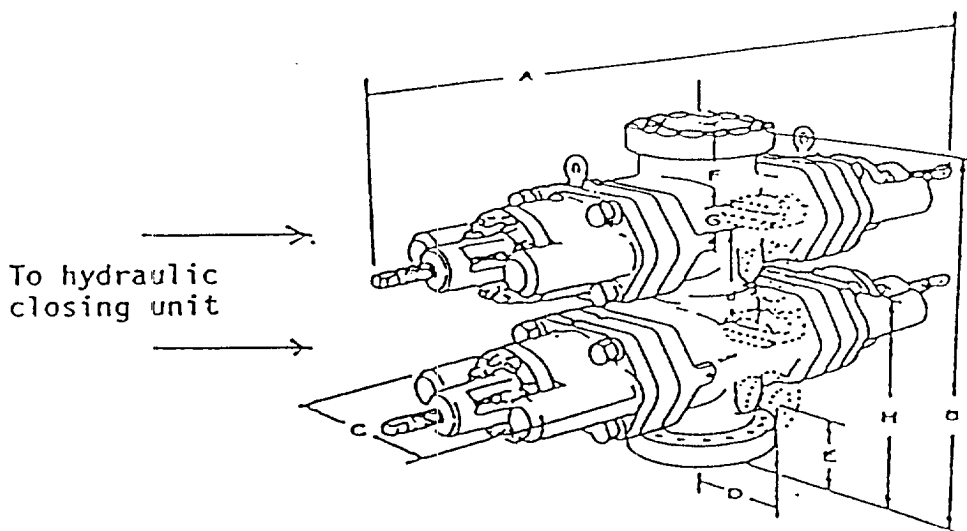
It is planned that operations will commence upon approval of this application, with drilling and completion operations lasting about 30 days.

EXHIBIT "E"

BOP Diagram

After 13 3/8" 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 5 1/2" pipe rams.

RALPH E. WILLIAMSON
AMOCO FEDERAL #3
480' FSL & 980' FEL of
Sec. 24, T-26S, R-30E
Eddy County, New Mexico



SURFACE USE AND OPERATIONS PLAN
FOR
RALPH E. WILLIAMSON
WELL AMOCO FEDERAL #3
480' FSL & 980' FEL Sec. 24, T-26S, R-30E
EDDY COUNTY, NEW MEXICO

LOCATED: 35 air miles Southeast of Carlsbad, New Mexico

FEDERAL LEASE NUMBER: NM-18626

LEASE ISSUED: July 1, 1973

RECORD LESSEE: Amoco Production Company

ACRES IN LEASE: 990

SURFACE OWNERSHIP: Federal

GRAZING PERMITTEE: Buck Jackson
P.O. Box 671
Pecos, Texas 79772

POOL: Ross Draw East Delaware

POOL RULES: Statewide. 40 acre spacing for deep gas.

ATTACHMENTS:

- A. General Road Map
- B. Plat showing existing well and existing roads in area of proposed location
- C. Topo Plat of Section 24, T-26S, R-30E
- D. Drilling Rig Layout
- E. BOP Diagram

1. EXISTING ROADS:

- A. Exhibit "A" is a portion of a road map showing the location of the proposed well. Point "A" on the plat is on State 128 at Milepost 22.5, approximately 32 miles west of Jal, New Mexico, where a paved road goes south to Orla, Texas. To go to the proposed well site from this point, go south 13.5 miles to a point where a caliche road goes west. There is a Ross Draw sign, and other company signs here. Turn west and go 7.4 miles to where a caliche road goes north to the Ralph E. Williamson Spitfire #1, then on north 1/2 mile; then turn and go 1000' east to the proposed location.

Point "B" on Exhibit "A" is on US 285, between mileposts 3 and 4, approximately 13 miles south of Malaga, New Mexico. To go to the Proposed well site from this point, go east on the pipeline road 7 miles to where Eddy County road 725-A goes south. Turn south and go south and southeast 4.7 miles (the road forks at 1.8 miles - bear right, and at 2.3 miles - bear left) to where the road turns south. Turn south and go 1.7 miles to intersect an east-west pipeline road. Turn east on the pipeline road and go 4.8 miles to arrive at the caliche road going north to the Ralph E. Williamson Spitfire #1, and on north 1/2 mile; then turn and go 1000' east to the proposed location.

- B. Exhibit "B" is a plat showing existing roads in the vicinity of the proposed well site. Existing roads are shown by a double black line.
- C. Any repair to existing roads does not appear necessary at the present time.

2. PLANNED ACCESS ROAD:

Approximately 1000' of new road will be needed to reach the location.

- A. SURFACING MATERIAL: Caliche. Watered, compacted, and graded, where necessary. Native inplace material will be used when possible.
- B. MAXIMUM GRADE: Less than one percent.
- C. TURNOUTS: Two.
- D. DRAINAGE DESIGN: New road will be crowned with drainage to both sides.
- E. CULVERTS: None required.
- F. CUTS AND FILLS: None necessary.

G. GATES AND CATTLE GUARD: None necessary. No fences are involved.

3. LOCATION OF EXISTING WELLS:

A. Existing wells in the area are shown on Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

A. Necessary production facilities for this well will be located on the well pad, associated with the Amoco Federal #1 battery, with well effluent to be carried to the well by surface flowline and no additional surface disturbance will be necessary.

5. LOCATION AND TYPE OF WATER SUPPLY:

A. It is not contemplated that a water well will be drilled. Water necessary for drilling will be purchased and hauled to the well site, or will be moved to the well site by temporary pipeline laid on the ground alongside existing and proposed roads. Produced water from the Ralph E. Williamson Amoco Federal #1 Battery may be pumped to the location along existing disturbed on lease rights of ways, with no additional disturbance being necessary.

6. SOURCE OF CONSTRUCTION MATERIAL:

A. Caliche needed for construction work will be taken from an existing pit on Federal land in the NE/4 NE/4 of Section 31, T-26S, R-30E, Eddy County, New Mexico, and will be trucked over existing and proposed roads. Location of the caliche pit is shown on Exhibit "B" some caliche appears to be necessary. Material in place will be moved out and compacted, before any new material is brought in.

7. METHODS OF HANDLING WASTE DISPOSAL:

A. Drill cuttings will be disposed of in the drilling pit.

B. Drilling fluid will be allowed to evaporate in the drilling pit until the pit is dry.

C. Water produced during testing of this well will be disposed of in the drilling pit. Oil produced during test will be stored in test tanks until sold.

D. Current laws and regulations pertaining to the disposal of human waste will be complied with.

E. Trash, waste paper, garbage and junk will be buried in a separate trash pit and covered with a minimum of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind. Location of the trash pit is shown on Exhibit "D".

- F. All trash and debris will be buried or removed from the well site within 30 days after finishing drilling and/or completion operations.

8. ANCILLARY FACILITIES:

- A. None required.

9. WELL SITE LAYOUT:

- A. Exhibit "D" shows the relative location and dimensions of the well pad, mud pit, trash pit, and the location of major rig components.
- B. The well site area is relatively level. Some clearing and leveling of the well site will be required.
- C. The well site area has been staked and flagged.

10. PLANS FOR RESTORATION OF THE SURFACE:

- A. After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Pits will be filled and the location cleaned of all trash, junk and all material buried so as to leave the well site in as an aesthetically pleasing condition as possible. After being allowed to dry all cuttings and debris from drilling will be shoved into the large pit location just east of the reserve, and covered in 3' of surface dirt.
- B. Any unguarded pits containing fluids will be fenced until they are filled.
- C. After abandonment, all equipment, trash and junk will be removed or buried and the location cleaned. Any special rehabilitation and/or special revegetation requirements of the surface management agency will be complied with and accomplished as expeditiously as possible.

11. OTHER INFORMATION

- A. TOPOGRAPHY: The land surface is gently undulating with small sand dunes, with a gentle slope to the southwest.
- B. SOIL: The top soil at the well site is a gravelly, loamy sand.
- C. FLORA AND FAUNA: The vegetative cover is moderate and consists of mesquite, creosote bush, javelina bush, yucca, weeds and range grasses, wildlife in the area is that typical of semi-arid desert land and includes coyotes, rabbits, rodents, reptiles, dove and quail.

- D. PONDS AND STREAMS: The Pecos River is approximately ten miles West of the proposed well site. There are no nearby ponds or streams.
- E. RESIDENCE AND OTHER STRUCTURES: There are no occupied dwellings within two miles of the proposed well site. The nearest windmill is 2 1/4 miles west of the proposed location.
- F. ARCHAEOLOGICAL, HISTORICAL, AND OTHER CULTURAL SITES: Minor cultural properties were noted northeast of the proposed well site, however, it is believed that this archaeologically sensitive area can be avoided.
- G. LAND USE: Grazing and wildlife habitat.
- H. SURFACE OWNERSHIP: Federal.

12. OPERATOR'S REPRESENTATIVE:

Representative responsible for assuring compliance with the approved Surface Use Plan is:

Ralph E. Williamson
550 One Marienfeld Place
PO Box 994
Midland, Texas 79702
Attention: Ralph E. Williamson
Office Phone: 915-683-2200
Home Phone: 915-682-2600
Mobil Phone: 505-887-9442

13. CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in the plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Ralph E. Williamson and its contractors and subcontractors in conformity with this plan and the term and conditions under which it is approved.

June 19/1989
DATE

Ralph E. Williamson
RALPH E. WILLIAMSON, OPERATOR

EXHIBIT "A"

RALPH E. WILLIAMSON
RALPH E. WILLIAMSON #3
AMOCO FEDERAL TEL OF
480' FSL & 980' R-30E
Sec. 24, T-26S, R-30E
SCALE: 1/3" = 1 MI.
EDDY COUNTY, N.M.

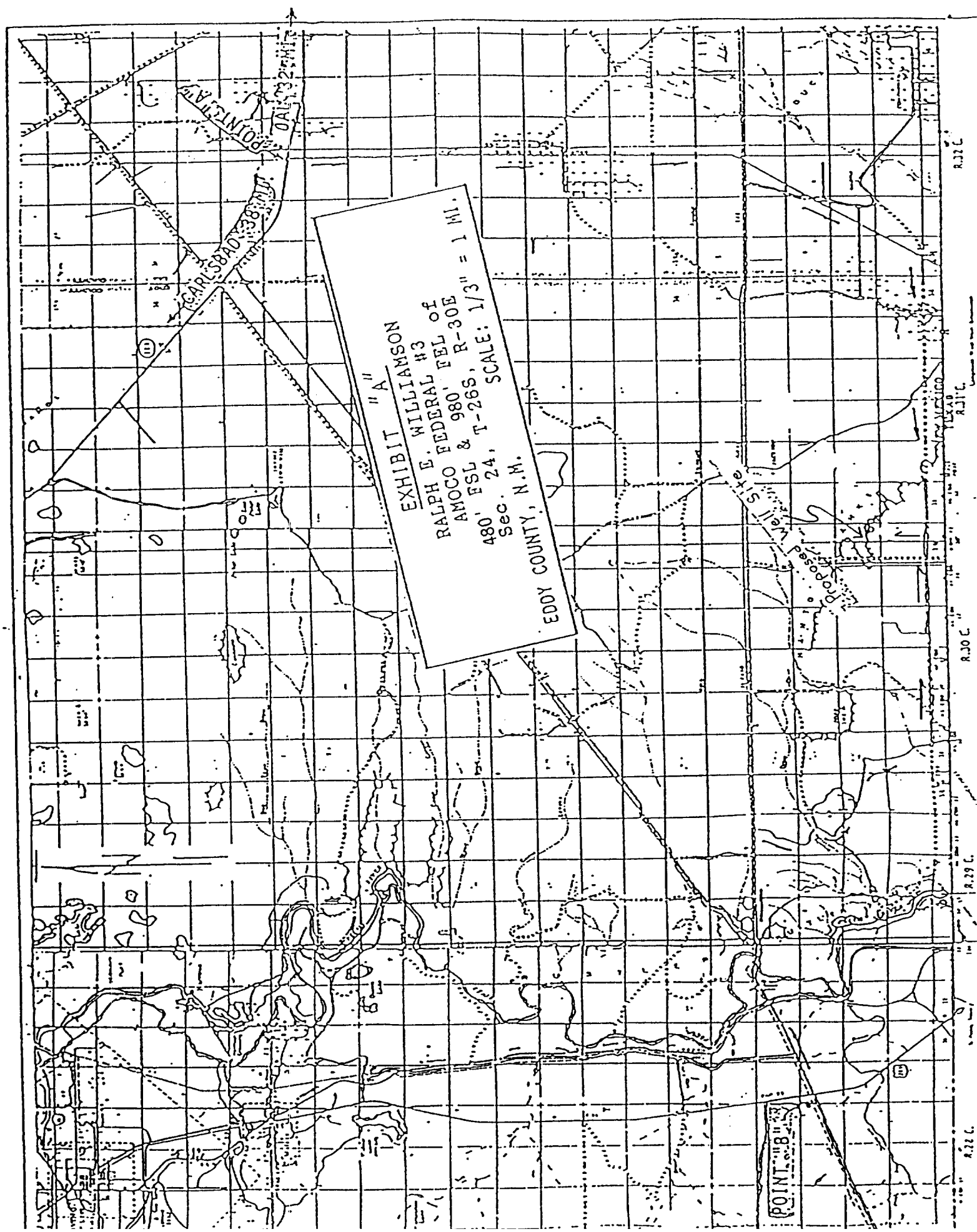
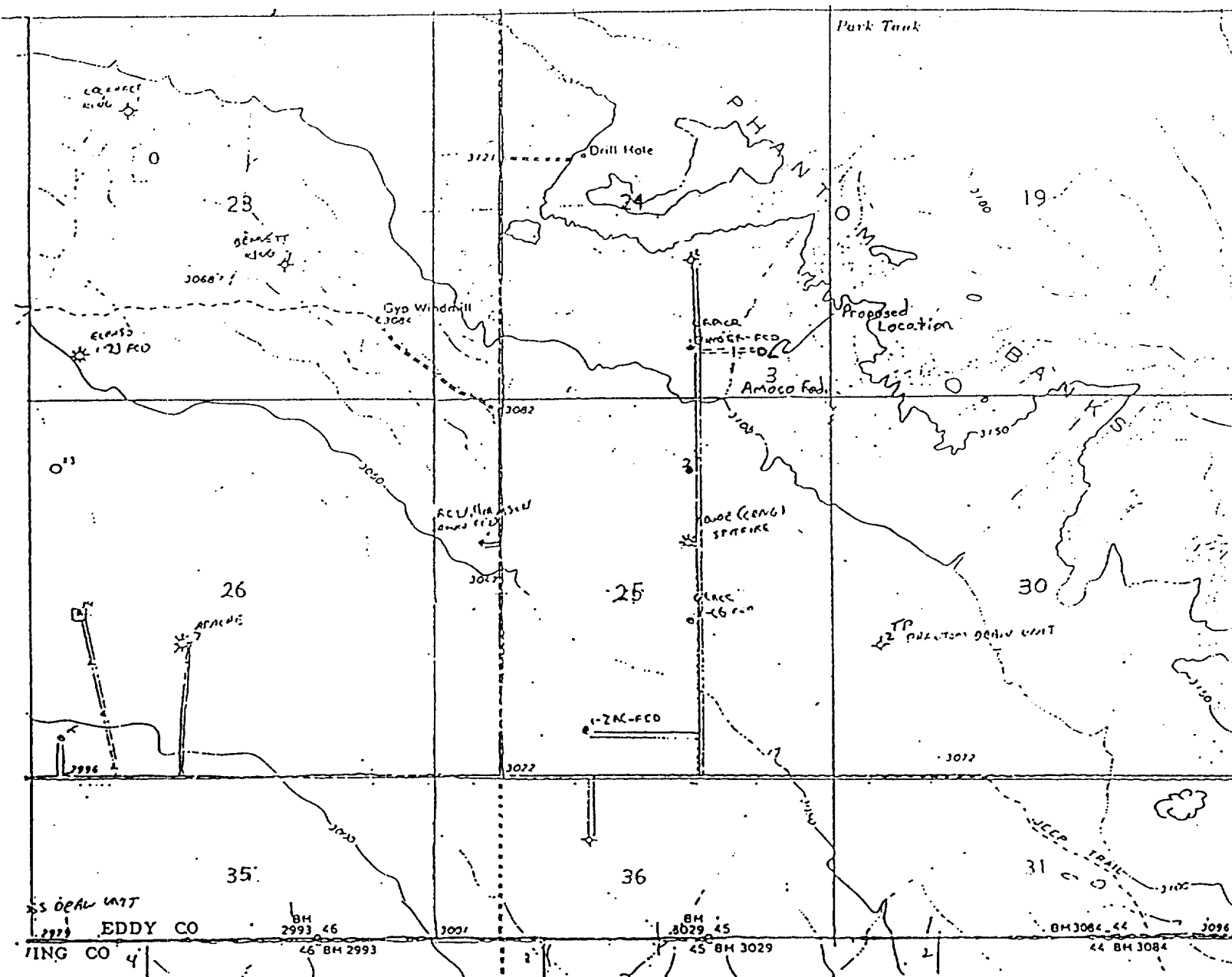


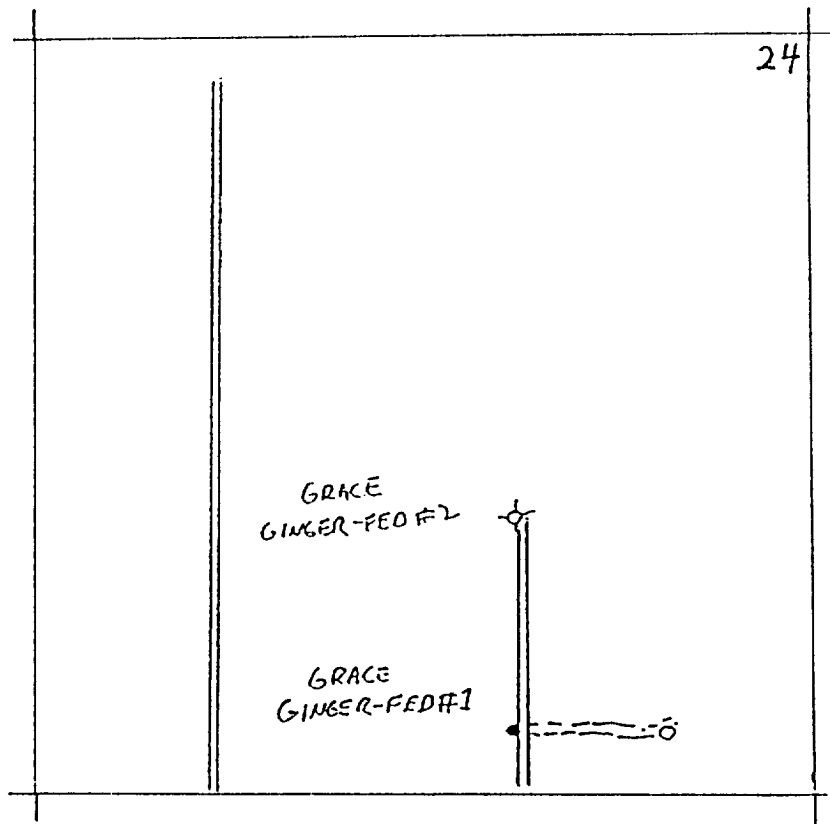
EXHIBIT "B"
 RALPH E. WILLIAMSON
 AMOCO FEDERAL #3
 480' FSL & 980' FEL of
 Sec. 24, T-26S, R-30E
 Eddy County, New Mexico
 SCALE 1" = 2000'



LEGEND:

- Oil Well
- ☀ Gas Well
- ⊕ Dry Hole
- Proposed Well
- ==== Existing Lease Road
- ===== Proposed New Road
- Caliche Pit (existing) ☁

EXHIBIT "C"
 RALPH E. WILLIAMSON
 AMOCO FEDERAL #3
 480' FSL & 980' FEL of
 Sec. 24, T-26S, R-30E
 Eddy County, New Mexico



LEGEND:

- Oil Well
- ☼ Gas Well
- ⊕ Dry Hole
- Proposed Well

==== Existing Lease Road

----- Proposed New Road

Scale 4" = 1 Mile

EXHIBIT "D"
RALPH E. WILLIAMSON
AMOCO FEDERAL #3
480' FSL & 980' FEL of
Sec. 24, T-26S, R-30E
Eddy County, New Mexico

