

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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, TX. 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface

850' FNL & 1980' FEL

At proposed prod. zone

850' FNL & 1980' FEL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

34 miles SE of Carlsbad, NM

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

850'

16. NO. OF ACRES IN LEASE

640

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.

850'

19. PROPOSED DEPTH

6900'

20. ROTARY OR CABLE TOOLS

Rotary

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

3017.0' GR

22. APPROX. DATE WORK WILL START\*

Upon Approval

23.

PROPOSED CASING AND CEMENTING PROGRAM Carlsbad Controlled Water Basin

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	54.5#	600'	sufficient to circulate
11"	8-5/8"	24# & 32#	3400'	1400sx to tie back surf.csg.
7-7/8"	5-1/2"	15.5# & 17#	6900'	1100sx in 2 stages

Producing zones will be perforated and stimulated as necessary.

Post ID-1  
9-25-92  
W. B. & API

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 Jan Crister for R.E.W.

TITLE Engineer

DATE 07-27-92

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE 9-21-92

CONDITIONS OF APPROVAL, IF ANY:

GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

\*See Instructions On Reverse Side

**OIL CONSERVATION DIVISION**

**DISTRICT I**  
 P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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

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

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

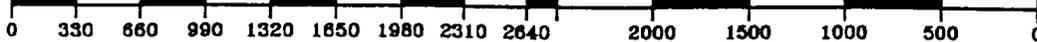
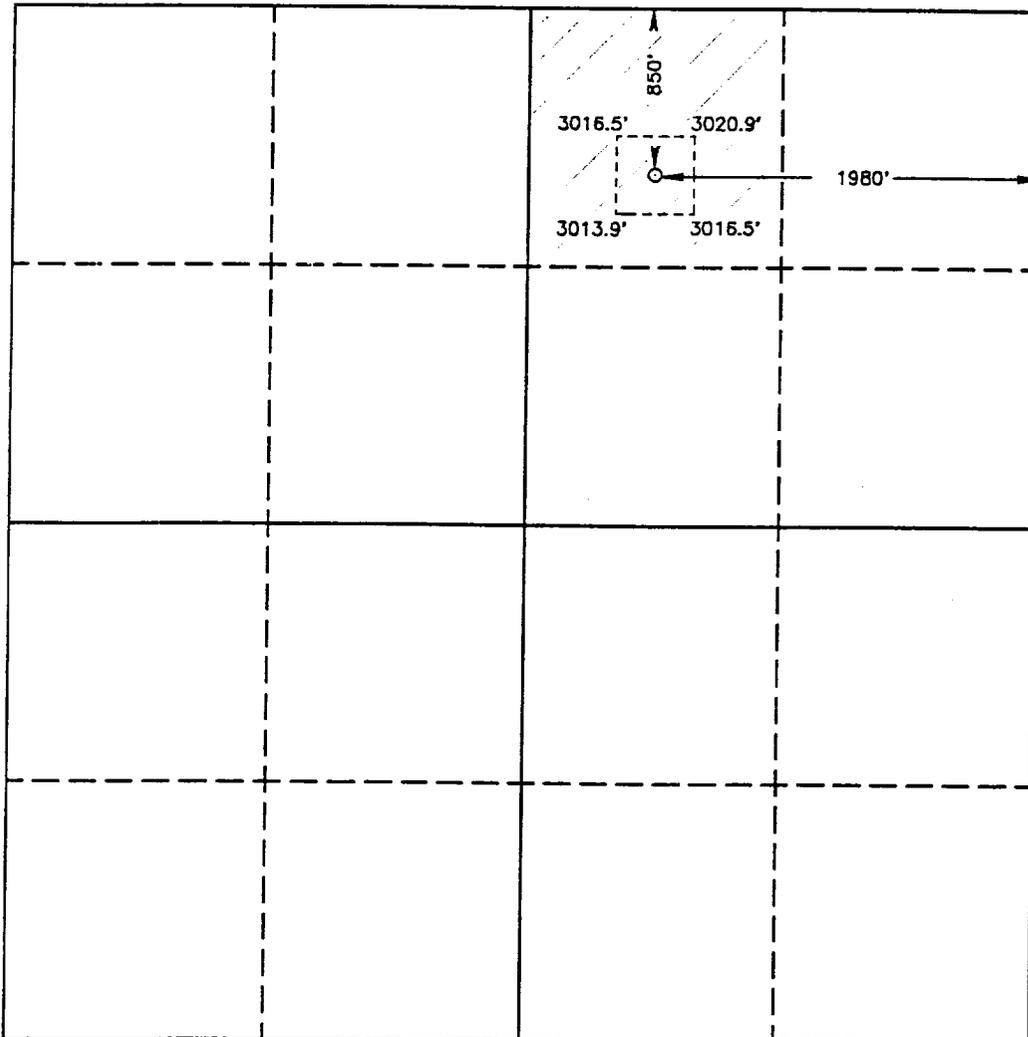
All Distances must be from the outer boundaries of the section

Operator J.C. WILLIAMSON			Lease ROSS DRAW UNIT		Well No. 17
Unit Letter B	Section 27	Township 26 SOUTH	Range 30 EAST	County EDDY	
Actual Footage Location of Well: 850 feet from the NORTH line and 1980 feet from the EAST line					
Ground Level Elev. 3017.0'	Producing Formation Delaware		Pool Ross Draw Delaware		Dedicated Acreage: 40 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hachure 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).  
N/A
- 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 N/A

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

No allowable will be assigned to the well unit all interests have been consolidated (by communitization, unitization, forced-pooling, 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: *Jan Pfister*

Printed Name: Jan Pfister

Position: Drlg./Prod.

Company: J.C. Williamson

Date: 07-27-92

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**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: JULY 15, 1992

Signature & Seal of Professional Engineer: *Ronald L. Eidson*

**STATE OF TEXAS REGISTERED ENGINEER**  
 RONALD L. EIDSON  
 8833

Certificate No. 3239

92-11-0987

## SUPPLEMENTAL DRILLING DATA

J.C. WILLIAMSON  
WELL ROSS DRAW #17

1. SURFACE FORMATION: Quaternary

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Impervious Dewey Lake	300'
Rustler	600'
Salada	1310'
Castile	1550'
Delaware Lime	3430'
Bone Springs	7300'

3. ANTICIPATED POSSIBLE HYDROCARBON BEARING ZONES:

Delaware sand series                      3600'-7100'

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 600 feet, below all fresh water zones and will be cemented to the surface with 700 sacks of Class "C" cement. Cement to circulate.

8-5/8" casing will be run and cemented at 3400 feet, prior to entering delaware section and will be cemented with 1100 sacks of Class "C" cement at 3400 feet, tying same back into the surface casing.

5-1/2" casing will be run to total depth and will be cemented with approximately 1400 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 600 feet and brine water in the rest of the hole, once the water saturates itself naturally with salt.

7. AUXILARY 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 on September 15, 1992 or upon approval of this application.

SURFACE USE AND OPERATIONS PLAN  
FOR  
J.C. WILLIAMSON  
WELL #17 ROSS DRAW UNIT  
850' FNL & 1980' FEL Sec. 27, T-26-S, R-30-E  
EDDY COUNTY, NEW MEXICO

LOCATED: 34 air miles southeast of Carlsbad, New Mexico

FEDERAL LEASE NUMBER: NM 0555443

LEASE ISSUED: December 1, 1964. Lease is continued in effect by  
commitment to a producing unit.

RECORD LESSEE: J. C. Williamson

ACRES IN LEASE: 640

SURFACE OWNERSHIP: Federal

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

POOL: Ross Draw Delaware

POOL RULES Statewide. 40 acre spacing for oil wells.

ATTACHMENTS:

- A. General Road Map
- B. Plat Showing existing well and existing roads
- C. Drilling Rig Layout
- D. Topo Plat
- 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 Orta, Texas. To go to the proposed well site from this point, go south 15.5 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 9.4 miles to where a caliche road goes north to well #8 Ross Draw Unit. Turn north and go north 0.6 miles and then east 0.3 miles to arrive at Florida Exploration's well No.8 Ross Draw Unit, then north 1500 feet.

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 2.8 miles to arrive at the caliche road going north, as mentioned above, leading to the previously drilled Ross Draw #11.

B. Exhibit "B" is a plat showing existing roads in the vicinity of a well site. Existing roads are shown by a double black line.

2. PLANNED ACCESS ROAD:

No new access road will be needed, but the existing access road will be bladed and smoothed.

A. SURFACING MATERIAL: Caliche, if necessary will be put on the location, then watered, compacted and graded, but an attempt will be made to use material in place on the location for the location.

B. MAXIMUM GRADE: Less than one percent.

C. TURNOUTS: Two.

D. DRAINAGE DESIGN: No new access road or drainage will be needed.

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. New production facilities will be needed and will be located on the drilling pad.
  
5. LOCATION AND TYPE OF WATER SUPPLY:
  - A. It is not contemplated that a water well will be drilled. Fresh water necessary for drilling will be purchased and hauled to the well site. Salt water will be moved to the well site by temporary pipeline laid on the ground alongside existing roads, with the water used being processed produced water from the CRW-SWD Inc. salt water disposal system.
  
6. SOURCE OF CONSTRUCTION MATERIAL:
  - A. If needed, caliche for construction work will be taken from an existing pit on Federal land in the SW $\frac{1}{4}$  SW $\frac{1}{4}$  of Section 27, T-26-S R-30-E, Eddy County, New Mexico, and will be trucked over existing roads. Location of the caliche pit is shown on Exhibits "B" and "D".
  
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, or removed from the pit and used in conjunction with the drilling of other wells in the area. When the reserve pit is dry, the upper exposed part of the pit liner will be removed and properly disposed of, and the dry cuttings will be moved to a special disposal pit immediately beside the reserve pit, leveled, and covered over w/36" of clean surface soil.
  - 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 stored in bins until the drilling and completion process is completed and removed or placed in an approved disposal facility within a reasonable time. All waste material will be contained to prevent scattering by the wind.
  - F. All trash and debris will be removed from the well site within a reasonable time after finishing drilling and/or completion operations.
  
8. ANCILLARY FACILITIES:
  - A. None Required.

9. WELL SITE LAYOUT:
- A. Exhibit "C" 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 levelling 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 and junk so as to leave the well site in as an aesthetically pleasing condition as possible.
  - B. Any unguarded pits containing substantial amounts of fluids will be fenced until they are filled.
  - C. After abandonment, all equipment, trash and junk will be removed 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 and dunny, 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, creosotebush, 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 seven 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 1/4 mile south east.
  - 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:

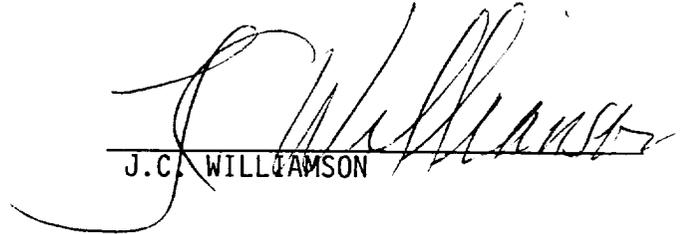
Ralph E. Williamson  
Suite 550, One Marienfeld Place  
Midland, Texas 79701  
Office Phone: 915-683-2200  
Home Phone: 915-699-4044

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 J. C. Williamson and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

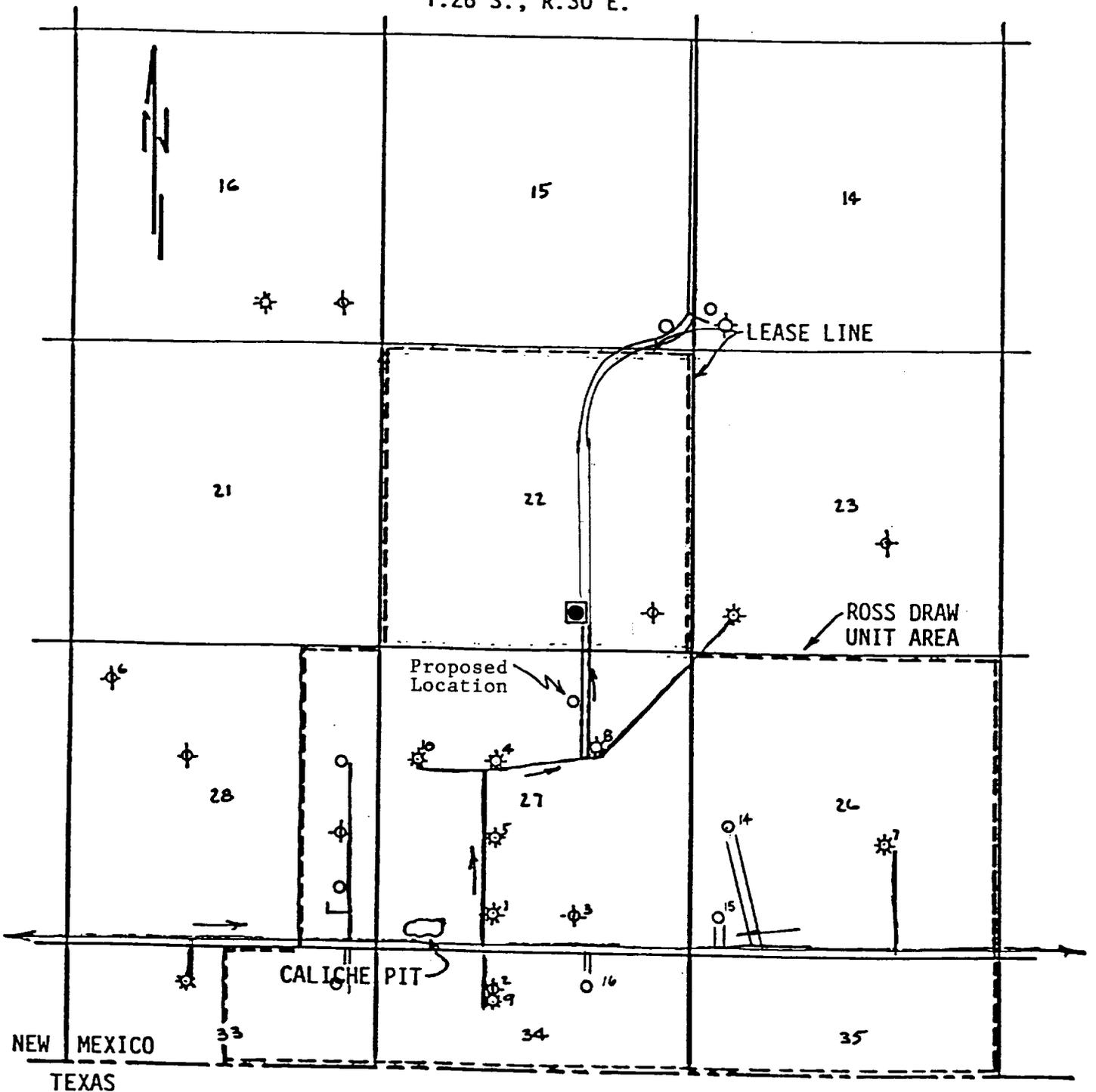
07-27-92

DATE

  
J.C. WILLIAMSON



T.26 S., R.30 E.



**LEGEND:**

☆ Gas Well

⊕ Plugged Well

○ Proposed Well

— Existing Caliche Road

- - - - - Proposed New Road

**EXHIBIT "B"**

J.C. WILLIAMSON  
WELL NO. 17 ROSS DRAW UNIT  
850' FNL & 1980' FEL SEC. 27, T.26 S., R.30 E.  
EDDY COUNTY, N.M. SCALE: 2" = 1 MI.

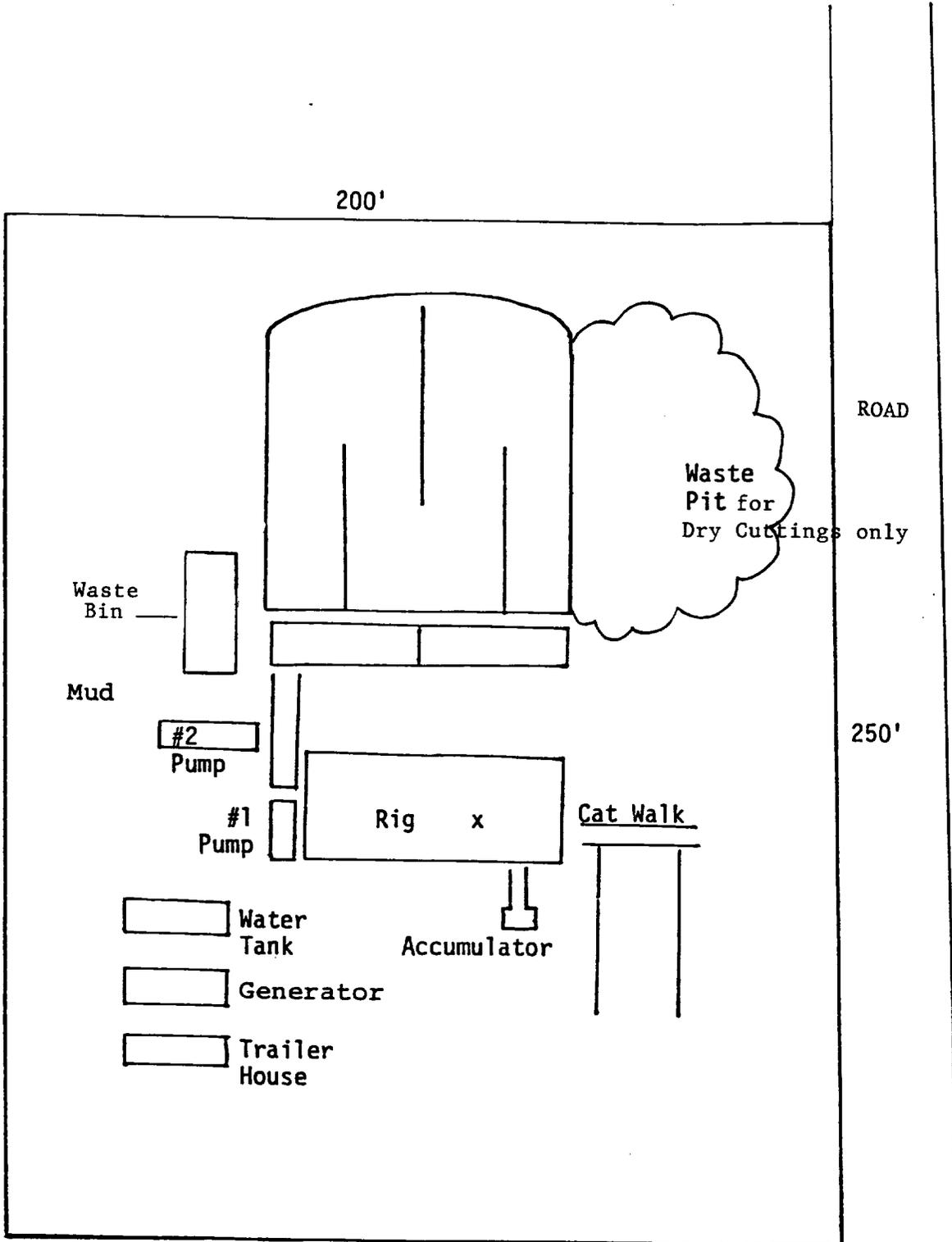
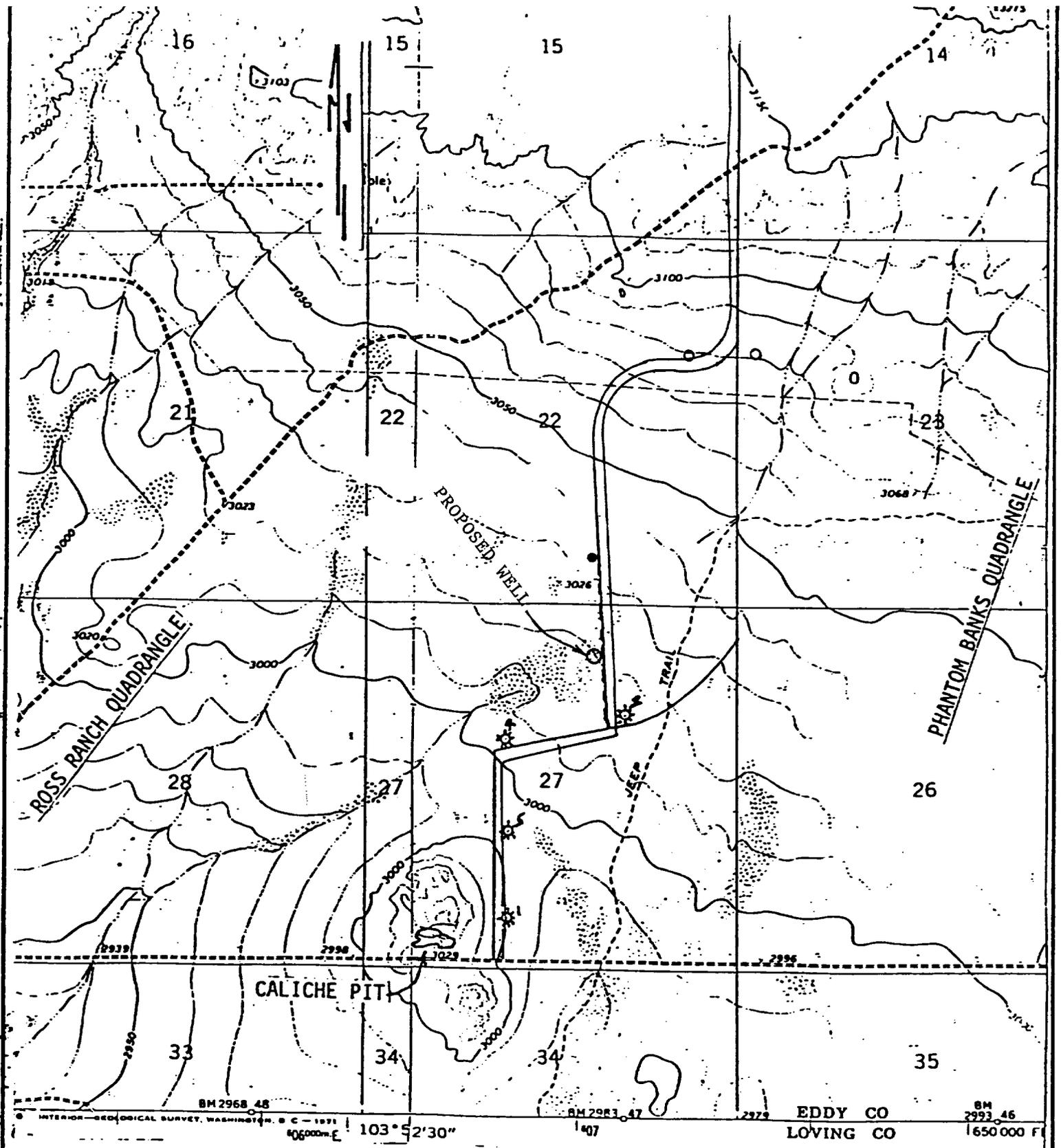


EXHIBIT "C"

J.C. WILLIAMSON  
 ROSS DRAW UNIT #17  
 850' FNL & 1980' FEL  
 Section 27, T-26-S, R-30-E  
 Eddy County, New Mexico



**EXHIBIT "D"**

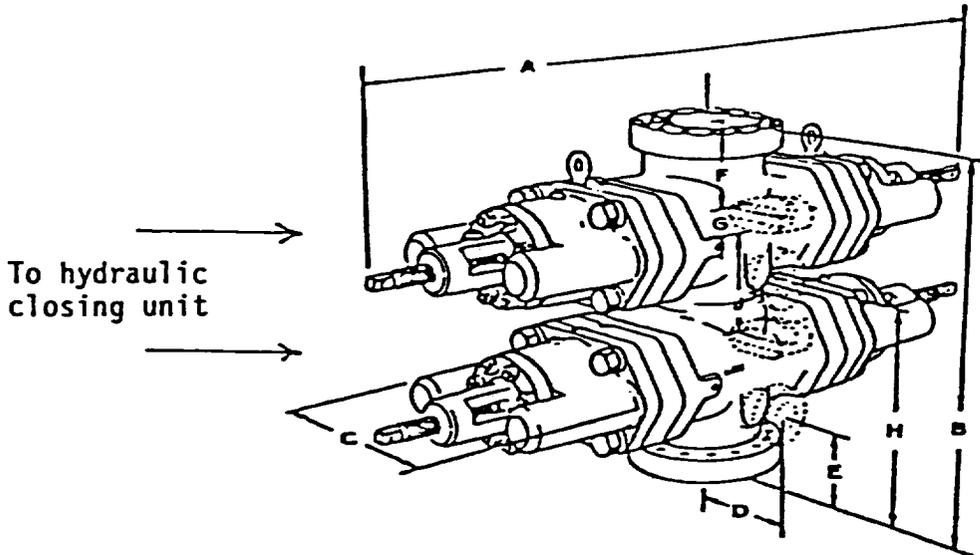
J.C. WILLIAMSON  
 WELL NO. 17 ROSS DRAW UNIT  
 850' FNL & 1980' FEL SEC. 27, T. 26 S. R. 30 E.  
 EDDY COUNTY, N.M.

TOPO PLAT

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.



J.C. Williamson  
Ross Draw Unit #17  
850' FNL & 1980' FEL  
Sec. 27, T-26-S R-30-E  
Eddy County, New Mexico