

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(Other in
revisions on
e)

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

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

2310' FSL & 1980' FWL

At proposed prod. zone

2310' FSL & 1980' FWL Unit K

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

34 miles southeast of Carlsbad

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

2310' FSL

15. DISTANCE FROM PROPOSED*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1980' FWL

16. NO. OF ACRES IN LEASE

80

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

15. DISTANCE FROM PROPOSED*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1980' FWL

19. PROPOSED DEPTH

7400' 6000'

20. ROTARY OR CABLE TOOLS

Rotary

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

3021' GR

22. APPROX. DATE WORK WILL START*

Upon approval

PROPOSED CASING AND CEMENT

CARLSBAD CONTROLLED WATER BURN

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	54.5#	800' 875'	sufficient to set
11"	8-5/8"	24# & 32#	3400'	1400sx to tieback surf csg
7-7/8"	5-1/2"	15.5# & 17#	6000'	1100sx in 2 stages

Producing zones will be perforated and stimulated as necessary.

Engineering O.K.: 04-11-00: D.R.E.



APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
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.

SIGNED

J. C. Williamson

TITLE

Part owner - Operator

DATE

9-29-2000

(This space for Federal or State office use)

PERMIT NO.

LARRY D. BRAY

APPROVAL DATE

APPROVED BY

Assistant Field Manager,
Lands And Minerals

DATE

JUN 02 2000

CONDITIONS OF APPROVAL, IF ANY:

APPROVED FOR 1 YEAR

*See Instructions On Reverse Side

RECEIVED
2000 APR -6 A 9:57
BUREAU OF LAND MGMT.
ROSWELL OFFICE

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

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

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number		Pool Code	Pool Name
Property Code	Property Name ROSS DRAW		Well Number 2425
OGRID No.	Operator Name J.C. WILLIAMSON		Elevation 3221

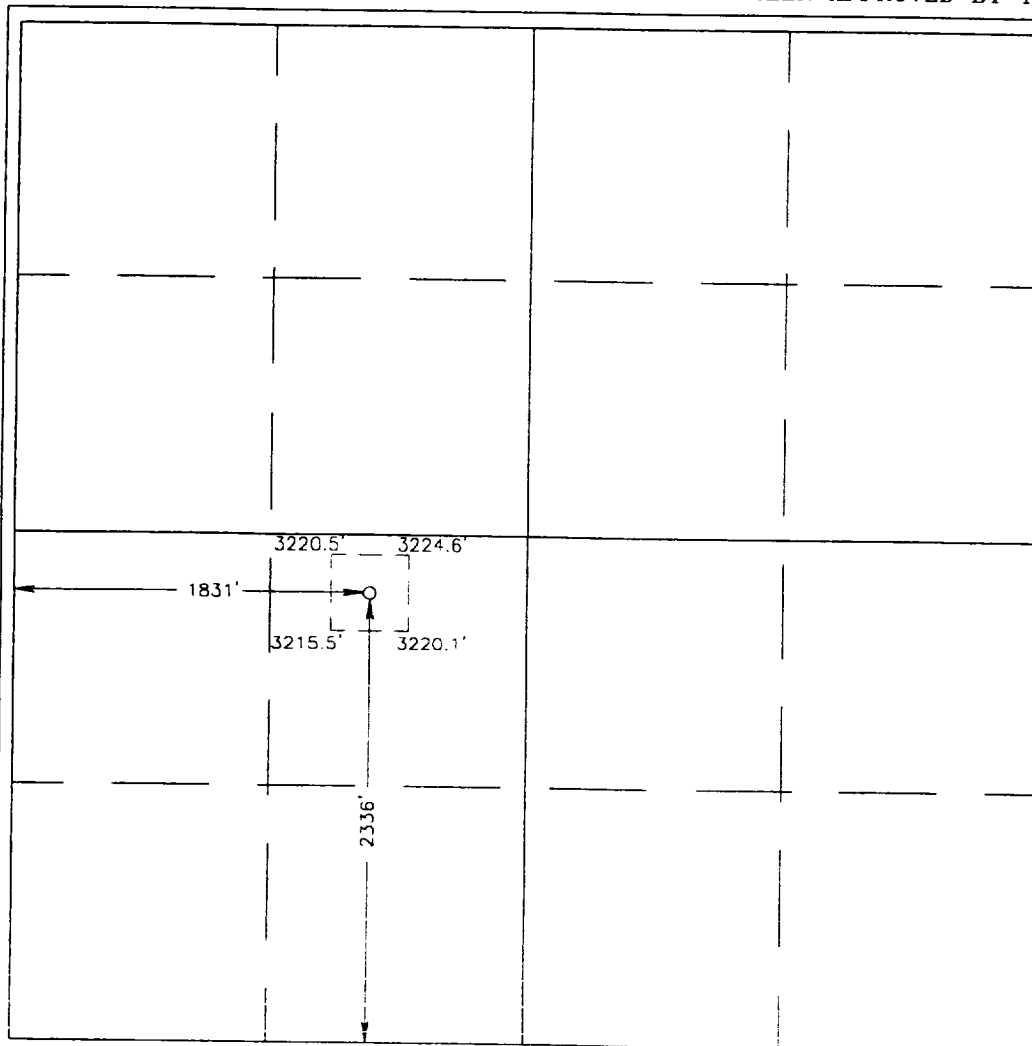
Surface Location

UL or lot No. K	Section 26	Township 26 S	Range 30 E	Lot Idn	Feet from the 2336	North/South line SOUTH	Feet from the 1831	East/West line WEST	County EDDY
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Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

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

J.C. Williamson
Signature
J.C. Williamson
Printed Name
Operator
Title
5/19/00
Date

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 belief.

MAY 17, 2000

Date Surveyed
Signature & Seal of
Professional Surveyor
Ronald J. Eidson
RONALD J. EIDSON 5/18/00
60-11-0842
Certificate No. RONALD J. EIDSON 3239
GARY EIDSON 12641
MACON McDONALD 12185

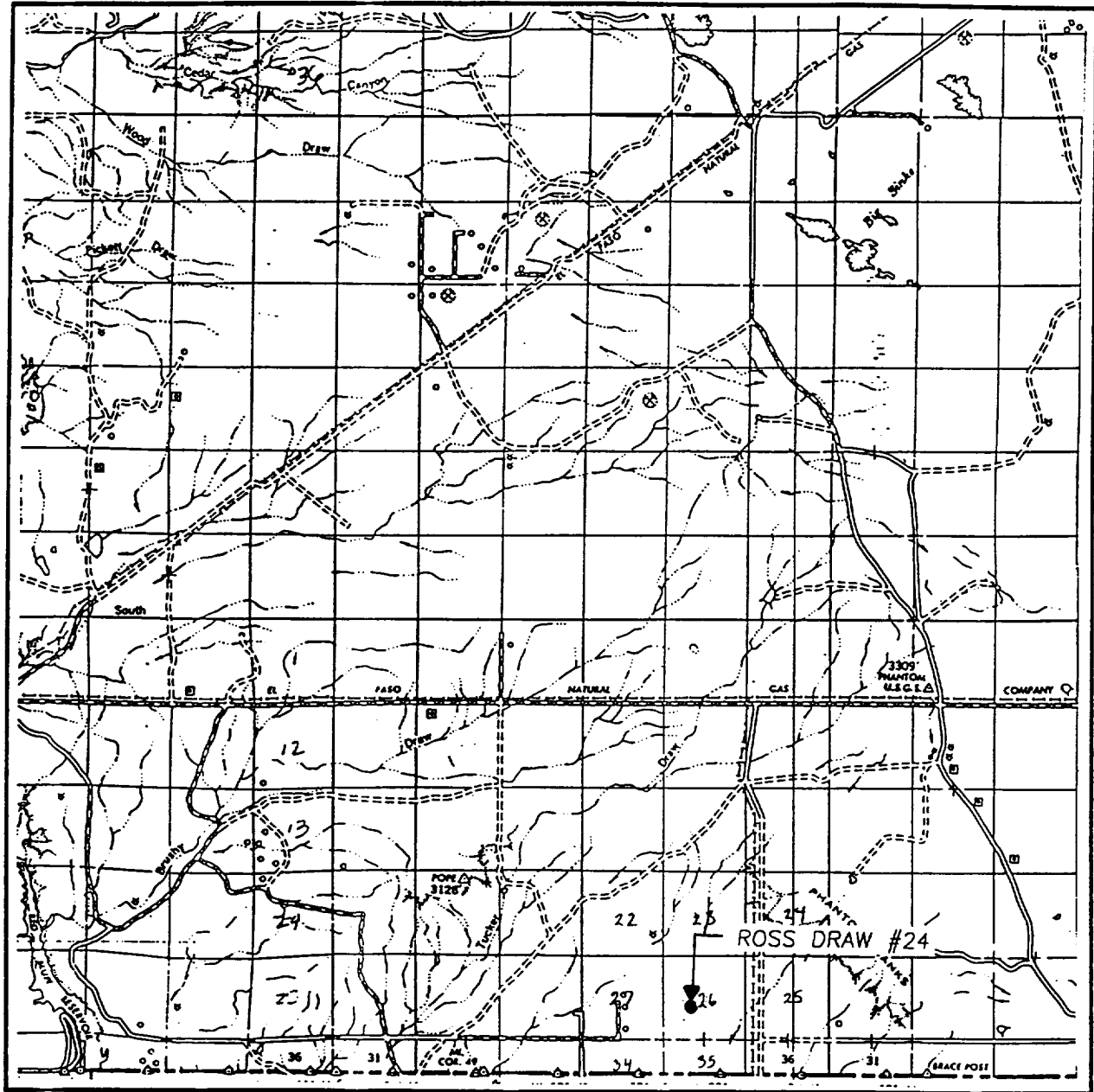
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MAY 24 2009

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ROSWELL, NM

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 26 TWP. 26-S RGE. 30-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 2336' FSL & 1831' FWL

ELEVATION 3221

OPERATOR J.C. WILLIAMSON

LEASE ROSS DRAW

JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505 393-3117)

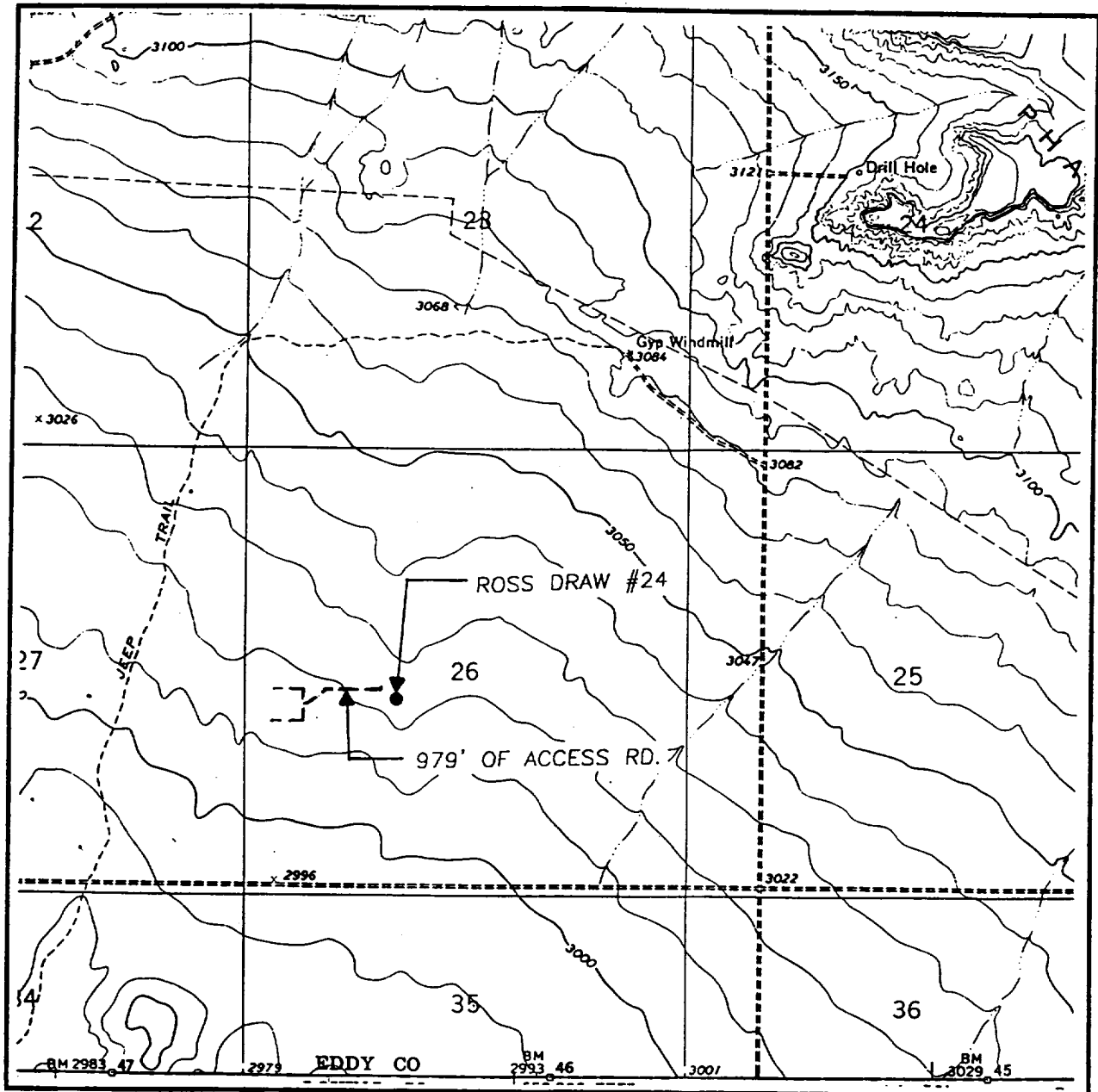
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ROSWELL, NM

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
PHANTOM BANKS - 10'

SEC. 26 TWP. 26-S RGE. 30-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 2336' FSL & 1831' FWL

ELEVATION 3221

OPERATOR J.C. WILLIAMSON

LEASE ROSS DRAW

U.S.G.S. TOPOGRAPHIC MAP

PHANTOM BANKS, N.M.

JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505 393-3117)

RECEIVED

MAY 22 2000

BLM

ROSWELL, N.M.

SUPPLEMENTAL DRILLING DATA
J. C. WILLIAMSON
WELL ROSS DRAW #25

1. SURFACE FORMATION: Quaternary ALLUVIUM

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Rustler Anhydrite	800'
Lamar Shale	3460'
Ramsey Sand	3520'
Olds Sand	3570'
Top Cherry Canyon	4400'
Top Brushy Draw	5680'

3. ANTICIPATED POSSIBLE HYDROCARBON BEARING ZONES:

Fresh Water	Above 300'
Delaware (oil)	3520'
Brushy Canyon (oil)	6810'

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 400', below all fresh water zones and will be cemented to the surface with 375 sacks of Class "C" cement which is sufficient to circulate cement on this pipe.

8 5/8" casing will be run and cemented at 3520', prior to entering delaware section and will be cemented with 150 sacks of Class "C" cement at 3520 feet, tying same back into salt section.

5 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. The second stage of the cement procedure should tie the 5 1/2" casing back into the 8 5/8" intermediate - anticipated at 6820'.

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:

be fresh water down to 400 feet and brine water in the rest of the hole, once the water saturates itself naturally with salt.

7. AUXILIARY EQUIPMENT:
Not applicable

8. TESTING, LOBBING AND CORING PROGRAM:

Formation testing will be made by conventional drill stem test; however none are anticipated.

It is planned that a compensated neutron-density gamma ray and gamma ray dual laterolog will be run when total depth is reached, with a backup computer analysis utilizing these logs.

9. ABNORMAL PRESSURES, TEMPERATURES OR HYDROGEN SULFIDE GAS:

None anticipated.

10. ANTICIPATED STARTING DATE:

It is planned that operations will commence on or before May 17, 2000, or as soon as the application is approved.

SURFACE USE AND OPERATIONS PLAN
FOR
J. C. WILLIAMSON
WELL #25 ROSS DRAW UNIT
2310' FSL & 1980' FWL SEC. 26, T-26S, R30E
EDDY COUNTY, NEW MEXICO

LOCATED: 34 air miles southeast of Carlsbad, New Mexico.

FEDERAL LEASE NUMBER: NM 0555443

LEASE ISSUED: August 1, 1974 Lease is continued in effect commitment to a producing unit.

RECORD LESSEE: J. C. Williamson

ACRES IN LEASE: 80

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. Access to the location will be gained by using an existing road which comes out of the Jal-Orla cut of Highway (Highway 652). See Point A.
- 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.
- C. The main access road running by the location to the South will be used without major modifications, and the access road coming into the location will come in from the southeast utilizing the higher ground just out of the Ross Draw road connecting with the main east-west road.

2. PLANNED ACCESS ROAD:

Approximately 2500 feet of new road will need to be made starting at existing lease road due South of the location

- A. SURFACING MATERIAL: Some surfacing material should be needed for the prepared location. If necessary, 4" caliche, watered and compacted will be used. Surfacing materials where needed will be removed from an approved caliche pit, located one mile to the southwest of the location.
- B. MAXIMUM GRADE: Two Percent.
- C. TURNOUTS: None required.
- D. DRAINAGE DESIGN: New road will have a drop of six inches from the center on each side.
- E. CULVERTS: None required.
- F. CUTS AND FILLS None necessary. Only clearing and minor leveling will be required.
- G. GATES AND CATTLE GAURD: No fences will need to be cut in conjunction with drilling operations.

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. There are no existing facilities owned and operated by J.C. Williamson on this lease.
- B. If the proposed well is completed for production, the tank battery for this well will be erected on the site of the proposed location.

5. LOCATION AND TYPE OF WATER SUPPLY:

- A. Fresh water necessary for drilling will be purchased and hauled to the well site over existing and proposed roads; brine water will be hauled for make up water on the 11" and 7-7/8" portions of the hole. If water

is pumped from a water well, the water well to be utilized will be located in the NE/4 SE/4 of section 26, T-26-S, R-29-E, Eddy County, and a 3" fasline will be laid to the location using existing roads and right of ways. It is unlikely that this water well will be utilized, because of distance. Most likely all fluids needed to drill this well will be hauled by truck.

6. SOURCE OF CONSTRUCTION MATERIALS:

The construction materials that are needed can be obtained from an approved pit located in SW/4 SW/4 of Sec. 26, T-26-S, R-30-E, Eddy County, New Mexico.

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. Only minor leveling of the well site will be required, No significant cut and fill will be necessary.
- C. The pad and pit 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, after a reasonable time, not to exceed 6 months. 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.
- 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 relatively level. Regional slope is 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 sparse and consists of mesquite, grease wood, 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 six and one-half miles West of the proposed well site. Red Bluff Reservoir is approximately four and one-half miles Southwest of the well site.
- E. RESIDENCE AND OTHER STRUCTURES: There are no occupied dwellings within two miles of proposed well site. There is an operating windmill approximately 1 mile to the north of the location.
- F. ARCHAEOLOGICAL, HISTORICAL, AND OTHER CULTURAL SITES: None observed in the area.
- G. LAND USE: Grazing and hunting in season.
- H. SURFACE OWNERSHIP: Federal.

12. OPERATOR'S REPRESENTATIVE:

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

J. C. WILLIAMSON
214 WEST TEXAS AVENUE
MIDLAND, TEXAS, 79701

(915) 682-1797

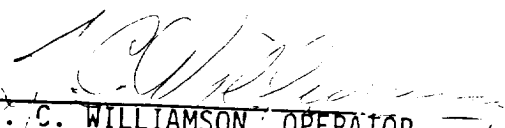
P. O. BOX 16 - MIDLAND, TEXAS 79702

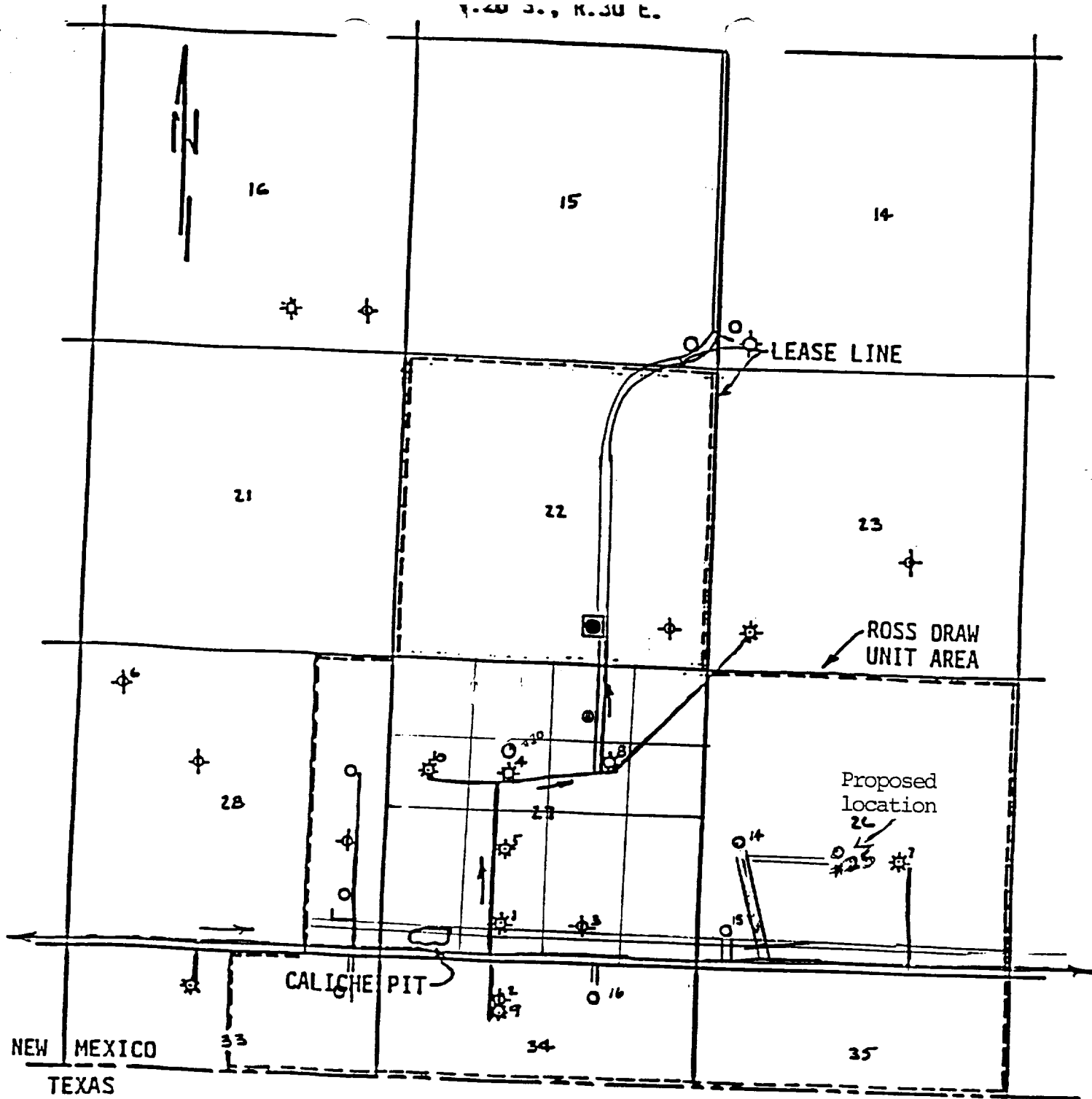
13. CERTIFICATION:

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 term and conditions under which it is approved.

April 4, 2000

DATE


J. C. WILLIAMSON, OPERATOR

**LEGEND:**

- ★ Gas Well
- ⊙ Plugged Well
- Proposed Well
- Existing Caliche Road
- Proposed New Road

EXHIBIT "B"

J. C. WILLIAMSON
 WELL #25 ROSS DRAW UNIT
 2310' FSL & 1980' FWL SEC. 26, T-26S-R-30E
 EDDY COUNTY, N.M. SCALE: 2" = 1 MI.

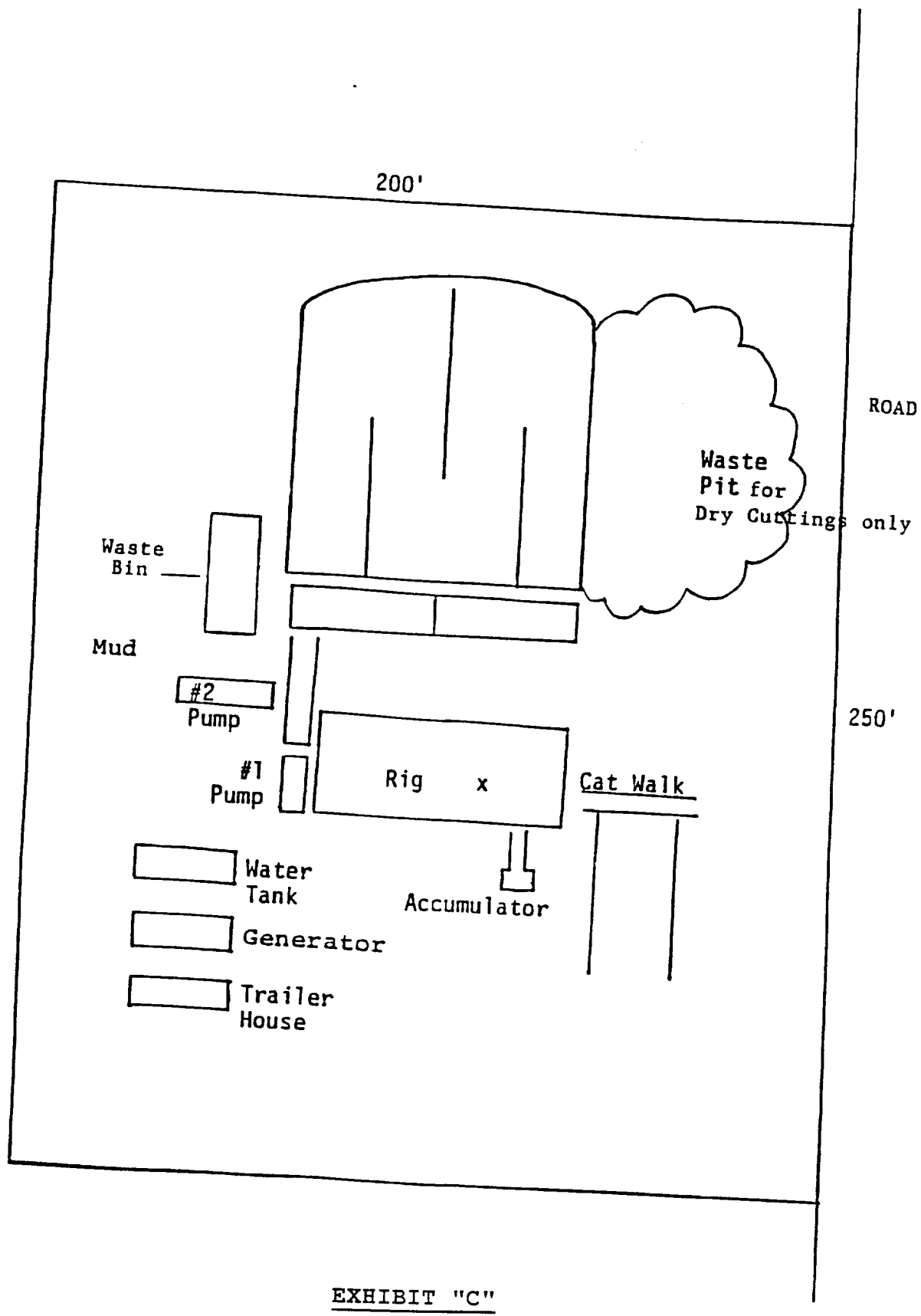


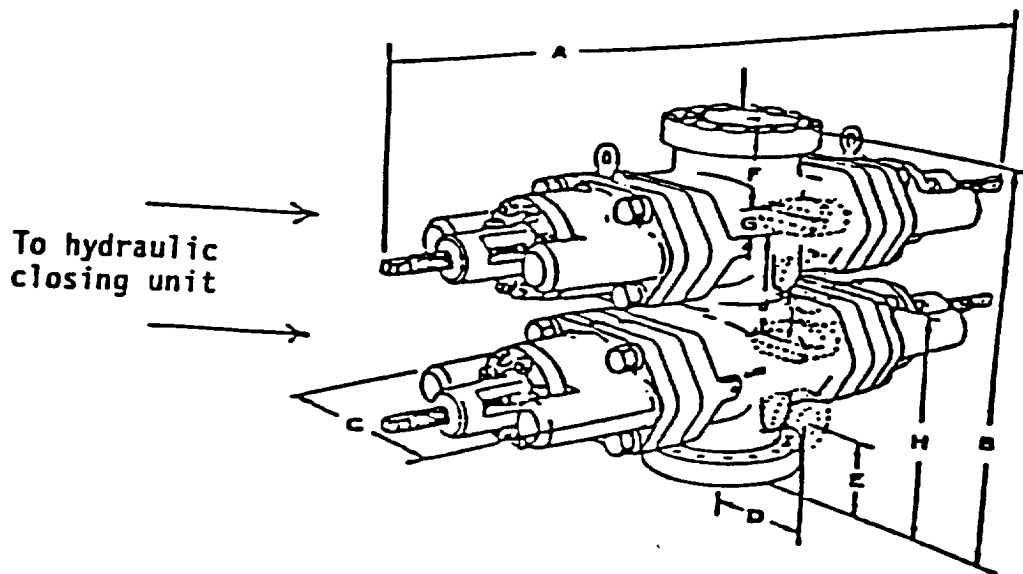
EXHIBIT "C"

J. C. WILLIAMSON
ROSS DRAW UNIT #25
2310' FSL & 1980' FWL
SEC. 26, T-26S-R30E
EDDY COUNTY, NEW MEXICO

EXHIBIT "E"

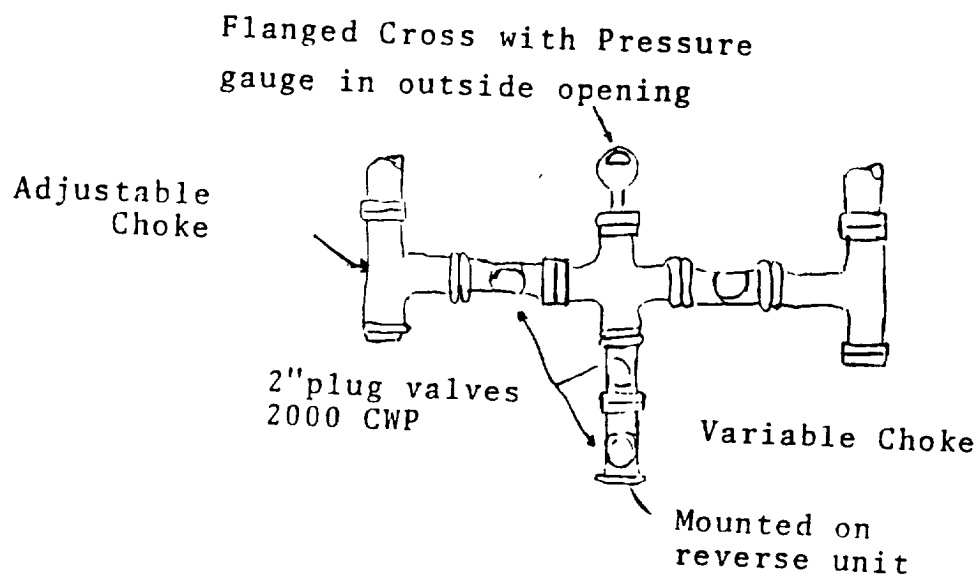
BOP Diagram

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 #25
2310' FSL & 1980' FWL
SEC. 26, T-26S-R30E
EDDY COUNTY, NEW MEXICO

EXHIBIT "F"



PLAN VIEW - CHOKE MANIFOLD

J. C. WILLIAMSON
ROSS DRAW UNIT #25
2310' FSL & 1980' FWL
SEC. 26, T-26S-R30E
EDDY COUNTY, NEW MEXICO