

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Artec Oil & Gas Company

3. ADDRESS OF OPERATOR

P.O. Box 337, Hobbs, New Mexico 88240

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

1935' FNL and 1930' FNL Sec 18-18a-33e

At proposed prod. zone
Delaware Sand

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

15 miles southeast of Maljamar, New Mexico

15. DISTANCE FROM PROPOSED*

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

1930'

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1120'

16. NO. OF ACRES IN LEASE

640

19. PROPOSED DEPTH

5100'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

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

3345.5

22. APPROX. DATE WORK WILL START*

2/1/77

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11 1/4"	8 5/8"	24# K-55 Used	320'	Sufficient to circulate
7 7/8"	5 1/2"	14# J-55 New	5100'	Sufficient to fill base salt use D/V tool at 1450' to cir- culate to surface.

1. Condition hole and mud up at 4600'. Drill with brine water to protect hole in salt section.
2. Run electric logs at total depth.
3. No abnormal pressures, temperatures, or hydrogen sulfide gas are anticipated.
4. Anticipated starting date, 2/1/77. Operations should require 3 to 4 weeks.
5. See attachment for pressure rating and hookup for blow out preventer to be used.
6. Surface formation- Quaternary.

Unless indicated otherwise, this permit
Commences on 2/1/77 and
Expires 4-18-77

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

James W. Wilson

TITLE

District Clerk

DATE

December 28, 1976

(This space for Federal or State office use)

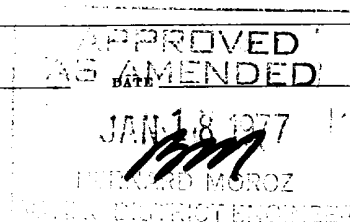
PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:



*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 2: 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 3: 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 16: 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.

• GPO 782-931

7. Expect to enter oil and water producing zones at 5000' (Delaware Sand).

8. Estimated tops of important geologic markers:

Rustler 1385'
Top Salt 1497'
Base Salt 2700'
Queen 4190'
San Andrews

9. Total Depth of drilling-5100'.

10. Salt water based mud will be used. Weight will be held at 9#, water base at 10cc. Viscosity will be kept at 30.

11. No high pressure zones in this area at these depths (5100'). Low pressure oil well. As a result, no auxiliary equipment will be used.

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

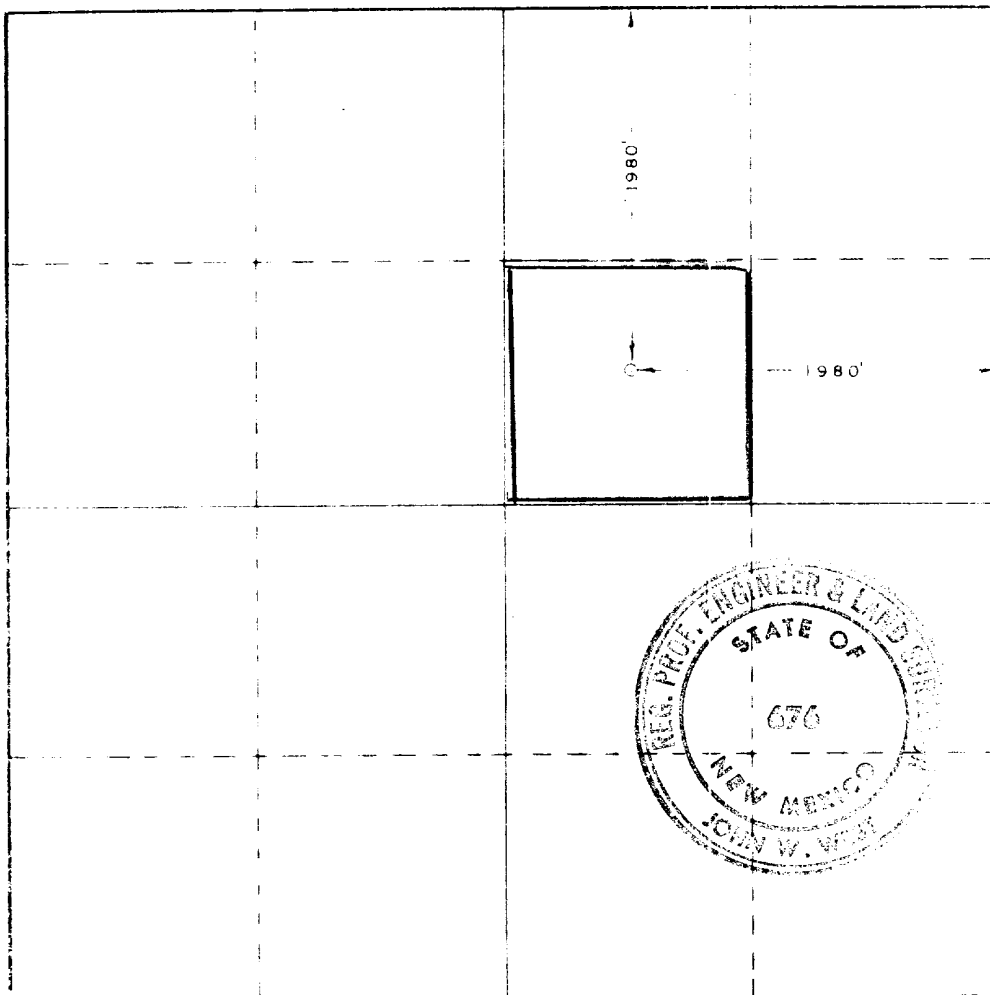
Lessee AZTEC OIL & GAS COMPANY			Lease West Corbin		
Section G	Range 18	Township 18 South	Range 33 East	County Lea	
Acreage of land dedicated to well 1980 feet from the north line and 1980 feet from the east line					
Ground surface elevation 3845.5		Producing formation Delaware		Estimated acreage 40	

- 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 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.

Lester Duke

Lester Duke
Production Manager

Aztec Oil & Gas Co.

10-25-76

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

Oct. 22, 1976

Registered Professional Engineer
and Land Surveyor

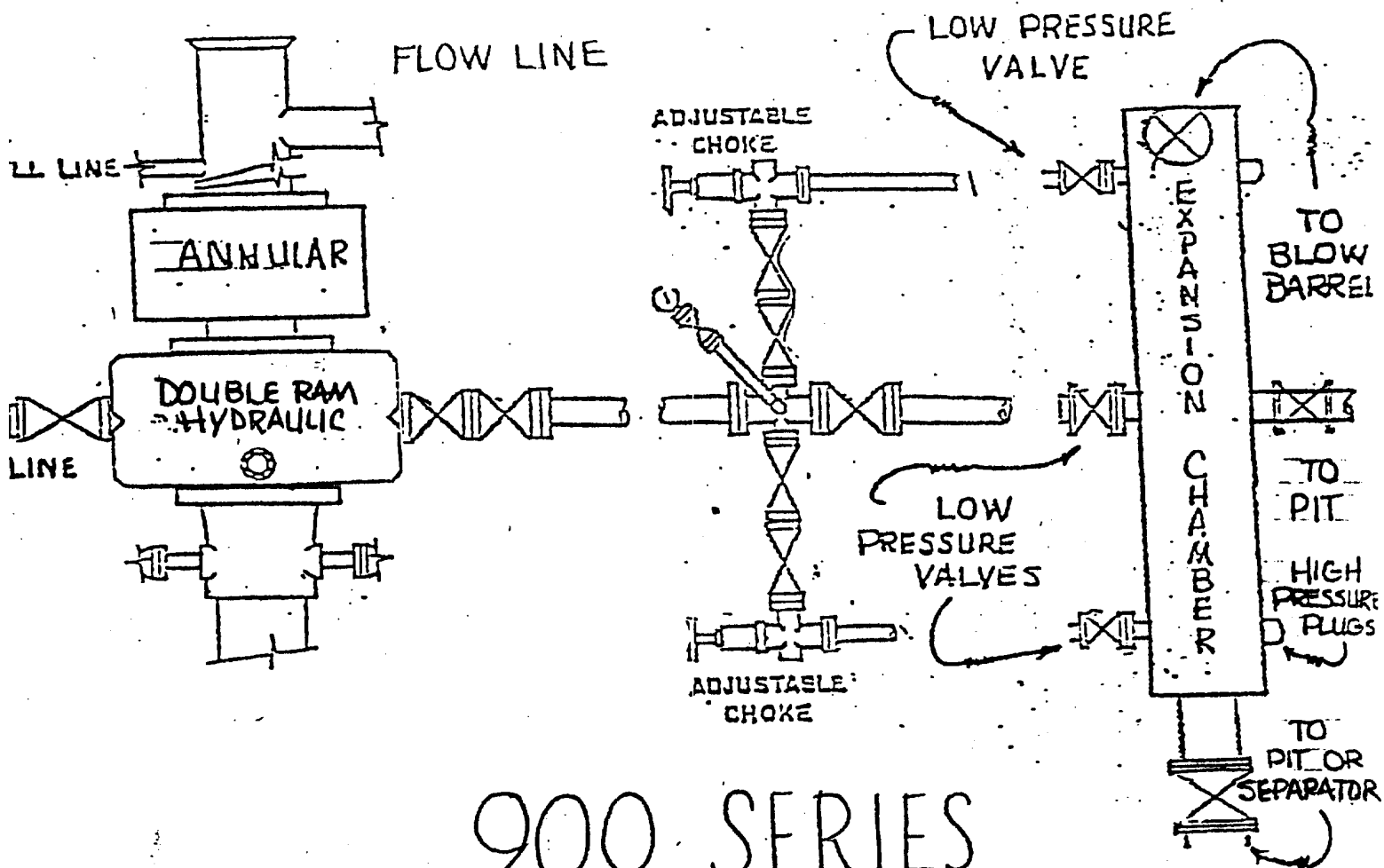
John W. West
676

Scale: 1" = 400' (0 to 2640 feet)

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900 SERIES

3000# PRESSURE RATING

MORANCO RIGS 5-6-9

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Multi-Point Surface Use & Operations Plan
Aztec Oil & Gas Company
Well No. 4 West Corbin
1980' FNL & 1980' FEL, Sec 18-18s-33e
Lea County, New Mexico
Lease New Mexico 193

This plan is submitted with the Application to Drill the above described well. The purpose of the plan is to describe the location of the proposed well, the proposed construction activities & operations plan, the magnitude of necessary surface disturbance involved, and the procedures to be followed in rehabilitating the surface after completion of the operation so that a complete appraisal can be made of the environmental affects associated with the operation.

1. Existing Roads:

- a. Exhibit "A" is a portion of a highway map showing the location of the proposed well as staked. 18 miles west of Arkansas Junction, and 31 miles west of Hobbs, New Mexico, on State Highway 529, an improved road goes south approximately 3 miles through Section 32 of T17s-R33e and Sections 5, 6, & 7 of T18s-R33e to the proposed location (Sec 18-18s-33e).
- b. Exhibit "B" is a plat showing all existing roads within a one mile radius of the wellsite, and the planned access road.

2. Planned Access Road:

- a. One road will be built from well site mats of West Corbin No. 1 & 2 to the proposed location. New road required will be 12 feet wide and 1300' long. The center line of the proposed new road from the beginning to the wellsite has been staked and flagged with the stakes being visible from any one to the next. (See exhibit "B").
- b. Surfacing Material: Six inches of caliche, water, compacted, and graded.

3. Location of Existing Wells:

- a. Nearest Queen production is two miles to the southeast. Morrow Sand production (West Corbin No. 1) and Delaware Sand production (West Corbin No. 2) are on the eastern adjoining 40 acre tract to the proposed well. (See Exhibit "C").

4. Location of Existing and/or Proposed Facilities:

- a. A tank battery has been built on the existing mat for the West Corbin No. 2. There are no water disposal lines or injection lines. The flow line is not buried. (See Exhibit "D").
- b. If the proposed well is completed for production, a flow line will be built from the proposed location to the existing battery via the excess road to be built. This flow line will not be buried. (See Exhibit "D").

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- c. Well Site tank battery location of the t Corbin No. 1 (Morrow Sand production) is shown adjacent to the east of the existing West Corbin No. 2.

5. Water Supply:

- a. No available surface or sub-surface fresh water exists in the vicinity of the proposed well. Drilling water will be transported to the drill site from nearest commercial source.

6. Construction Material:

- a. Caliche is to be purchased by the dirt contractor from the BLM or nearest private source. See Exhibit "B" for location of nearest caliche pit Sec 12-T18s-R32e. No extra roads are needed to transport road material.

7. Methods of Handling Waste Disposal:

- a. Drill cuttings will be disposed of in reserve pit.
- b. Drilling fluids will be allowed to evaporate in the drilling pit until dry.
- c. Water produced during tests will be disposed of in the drilling pits. Oil produced during tests 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. All detrimental waste will be buried, burned, or hauled away with a minimum of 24" of dirt. (See exhibit "E").
- 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. No camps, airstrips, etc., will be constructed.

9. Wellsite Layout: Refer to Exhibit "E" for direction orientation and road access.

- a. Mat Size - 165' x 120'.
- b. Surface - Is sandy, location is nearly level. No significant cuts and fills will be necessary. Newly constructed mat will be covered with 6" of caliche, bladed, watered, and compacted.
- c. Reserve Pit - 140' x 75', lined with plastic, adjoining mat to the north.
- d. The pad and pit area has been staked and flagged.

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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 backfilled and leveled as soon as practical. All plastic linings, and other waste material will be removed or buried with at least a 24" dirt cover.
- b. After abandonment of well, surface restoration will be in accordance with the agreement with the surface owner. Pits will be filled and location will be cleaned. The pit area, well pad, & all unneeded access roads will be ripped to promote revegetation. Rehabilitation should be accomplished within 90 days after abandonment.

11. Other Information:

- a. Setting & Environmental Terrain - Low rolling sand hills. See Exhibit "F" for topographic map of area.
- b. Soil - Sand
- c. Vegetation - Mostly shinnery with weeds and very little grass.
- d. Wildlife - Rabbits, rodents, coyotes, snakes, quail, and other birds.
- e. Archaeological Resources - None
- f. Distance to Nearest:
 - I. Ponds, Streams, or Rivers - There is no surface water within one mile of well site.
 - II. Water Wells - There are no water wells within one mile of well site.
 - III. Residences & Buildings - There are no houses or buildings within two miles of well site.
 - IV. Arroyos, Canyons, Hills, etc. - Other than low rolling sand hills, no surface features exist within two miles of well site. See Exhibit "F".
- g. Surface Use - Grazing and bird hunting.
- h. Effect on Environment - Drill site, which is in a flat semi-arid desert country, is in a low environmental risk area. The total effect of drilling and producing this and other wells in the area would be very minimal.
- i. Surface Ownership - Surface is Federally owned with grazing rights to Gary Caviness, Maljamar, New Mexico.

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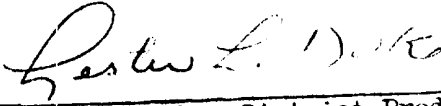
12. Operator's Representatives: Field personnel who can be contacted concerning compliance of this Surface Use Plan are as follows:

Office Phone - 393-5844, Area Code - 505
Lester Duke - 393-1409, Home Phone
Donny Davis - 392-5746, Home Phone
P.O. Box 837, Hobbs, New Mexico 88240

13. Certification:

I hereby certify that I; or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this 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 Aztec Oil & Gas Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

12/27/76
Date



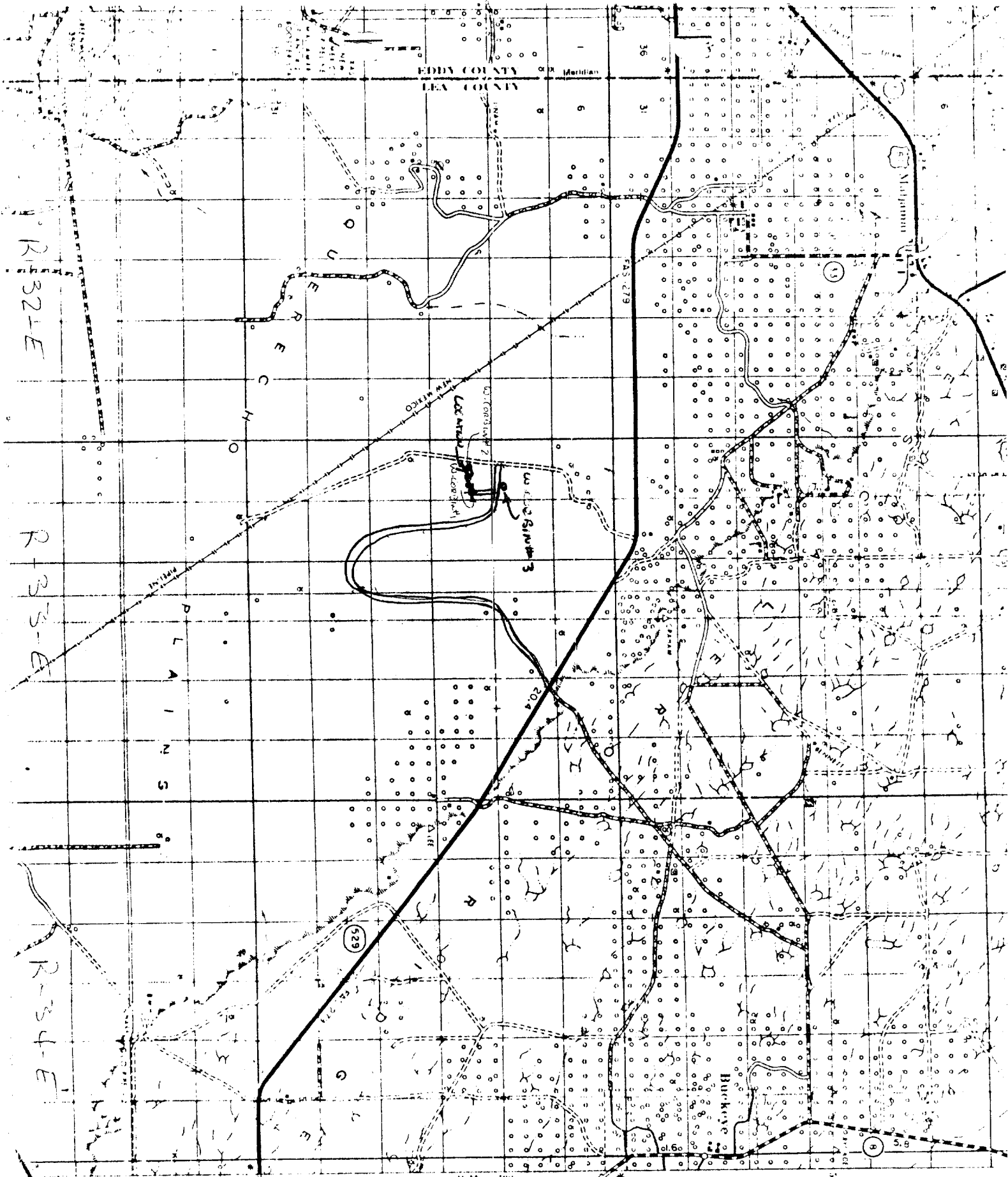
Lester L. Duke, District Production Manager

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OIL & MINERAL COMMISSION
DENVER, N. M.



EDDY COUNTY
LEA COUNTY

R-32-E

R-33-E

R-34-E

W. CORBIN #4

Exhibit A

Legend:  Existing Roads
 LOCATION

T.19S

T.18S

T.17S

To Jct. U.S. 62 B 180

To Jct. U.S. 62 B 180

Hubbs - 100

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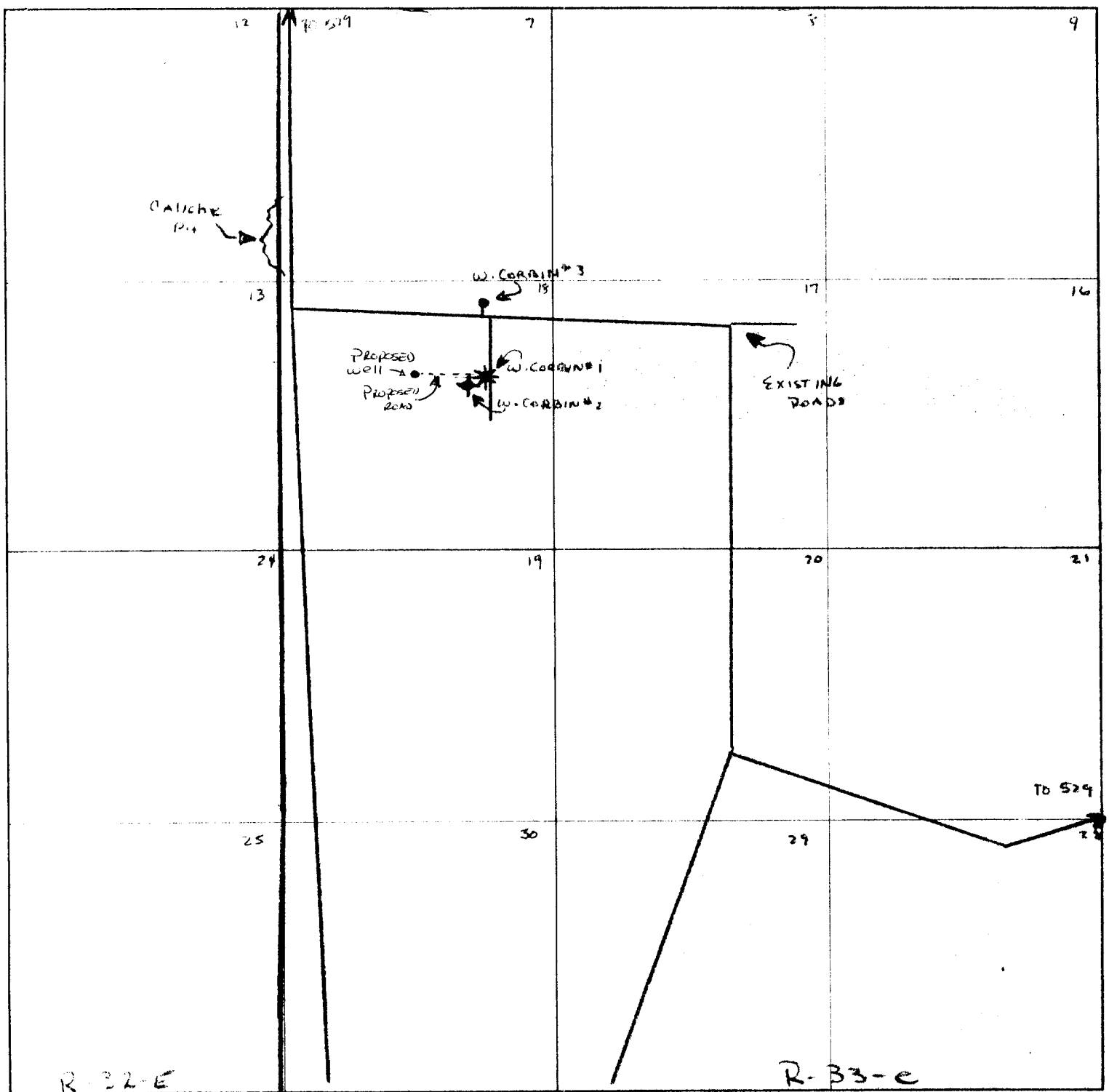


EXHIBIT B

W. CORBIN # 4

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EXHIBIT c
OWNERSHIP MAP

W. CORBIN #4

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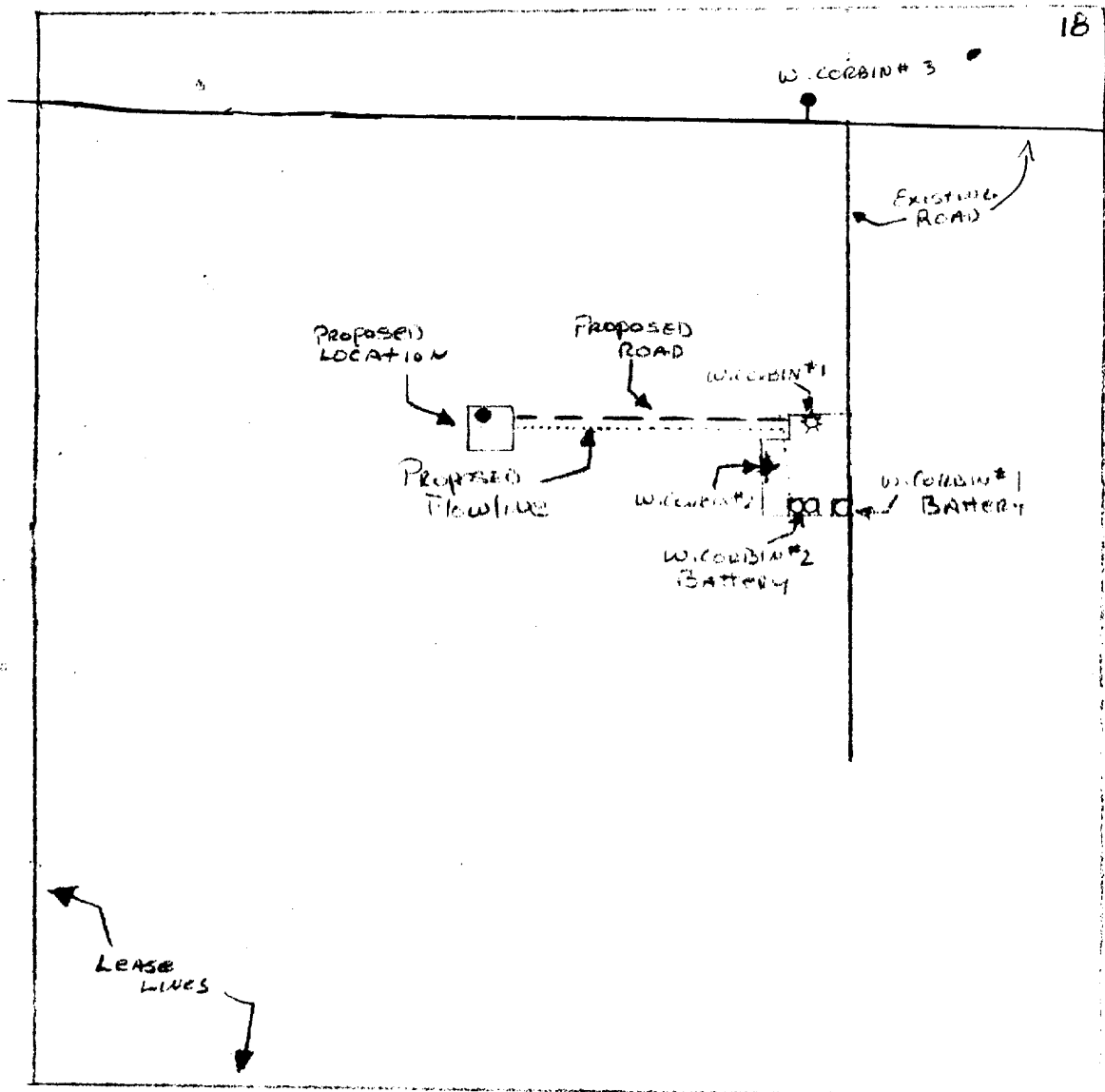


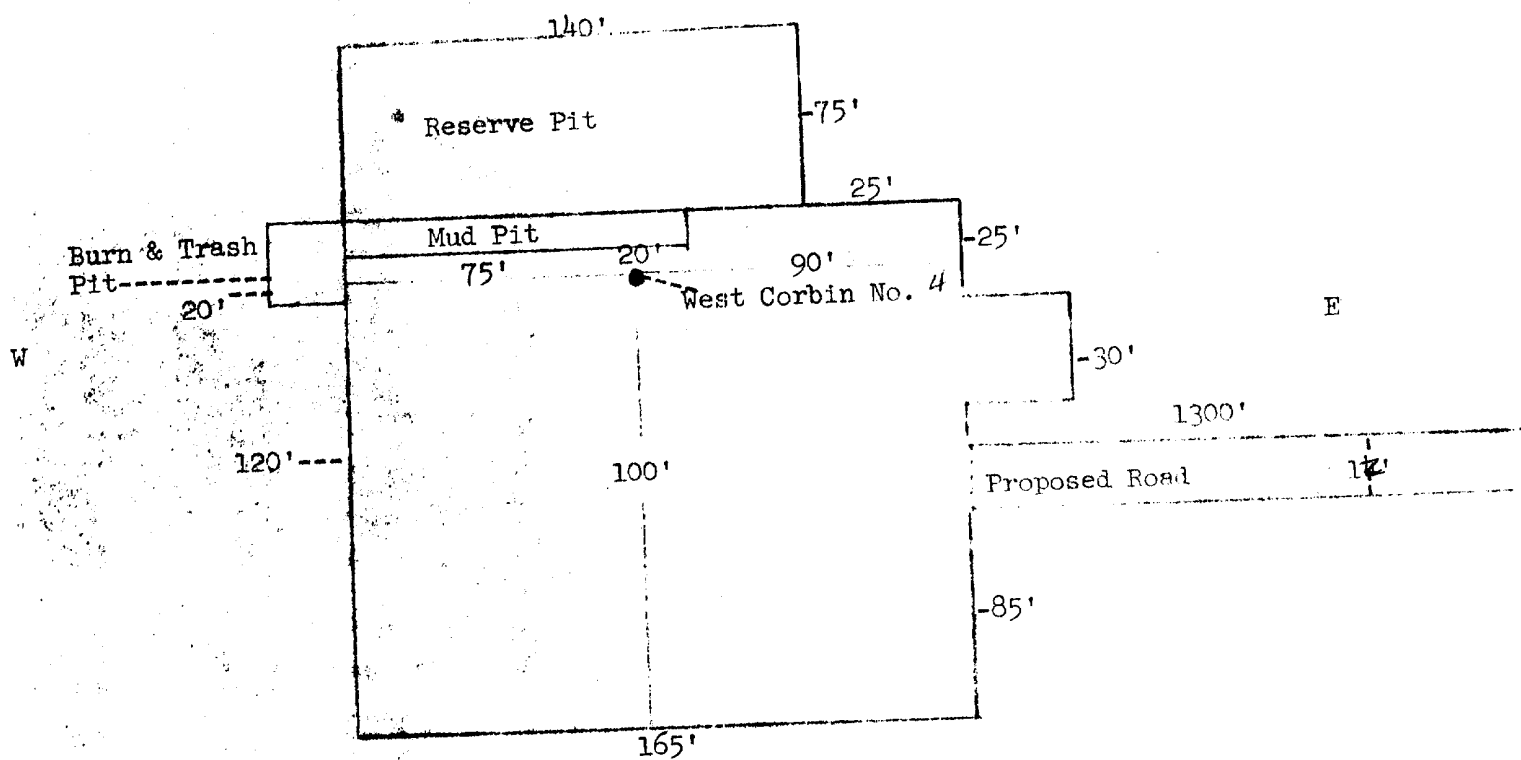
Exhibit "D"
W. CORBIN # 4

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Exhibit "E"
W. CORBIN #4

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AREA MAP

LEGEND:

- Existing Roads
- Proposed Roads
- Locations

EXHIBIT "F"

LEGEND:

Proposed Roads

● Location

EXHIBIT "E"

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