SURFACE USE PLAN

30-025-39719

ROBERT E. LANDRETH
RAINBOW "16" STATE COM. # 1H
UNIT "J" SECTION 16
T25S-R35E LEA CO. NM

1. EXISTING AND PROPOSED ROADS:

A. Exhibit "B" is a reporduction of a County General Hi-way map showing existing roads. Exhibit "C" is a reproduction of a USGS topographic map showing existing roads and and proposed roads. All existing roads will be maintained in a condition equal to or better than current conditions. All new roads will be constructed to BLM specifications.

B. Exhibit "A" shows the proposed well site as staked.

C. Directions to location: From Eunice New Mexico take State Road 207 South 2.5 miles to State road E-21 (Delaware Basin Road). Turn right (West) follow road 32.6 miles to State Hi-way 128, turn Left (East) go 9.8 miles(.6 MiEast of MP 41), turn Right (South) go 2.3 miles, turn Right (West) go 1980' to location.

D. Exhibit "C" shows a topographic map with existing roads and proposed roads. Tank battery and production facilities will be constructed on location.

2. PLANNED ACCESS ROADS: Approximately 1.4 miles of new road will be constructed.

A. The access roads will be crowned and sitched to a 14' wide travel surface, within a 30' R-O-W.

B. Gradient of all roads will be less than 5%.

C. Turn-outs will be constructed where necessary.

D. If require new access roads will be surface with a minimum of 4-6" of caliche. this material will be obtained from a local source.

E. Center line for new roads will be flagged, road construction will be done as field conditions require.

F. Culverts will be placed in the access road as drainage conditions require. Roads will be constructed to use low water crossings for drainage as required by the topographic conditions.

3. LOCATION OF EXISTING WELLS WITHIN A ONE MILE RADIUS: EXHIBIT "A-1"

A. Water wells - One approximately 1/2 mile Southwest of location.

B. Disposal wells - None known

C. Drilling wells - None known

D. Producing wells - As shown on Exhibit "A-1"

E. Abandoned wells - As shown on Exhibit "A-1"

4. If on completion this well is a producer the operator will lay pipelines and construct powerlines along existing road R-O-W's or other existing R-O-W's. Exhibit "C" shows proposed roads , flowlines and powerlines.

5. LOCATION & TYPE OF WATER SUPPLY:

Water will be purchased locally from a commercial source and trucked over the location access roads or piped to location in flexible lines laid on top of the ground.

6. SOURCE OF CONSTRUCTION MATERIAL:

If possible construction material will be obtained from the excavation of the drill site, if additional material is required it will be obtained from a local source and transported over the location access roads as shown on Exhibit "C".

7. METHODS OF HANDLING WASTE:

A. All trash, junk and other waste material will be contained in trash cages or trash bins in order to prevent scattering. When the job is completed all contents will be removed and disposed of in an approved sanitary land fill.

B. Sewage from living quaters will be drained into holding tanks and will be cleaned out periodically. A Porta-John will be provided for the rig crews. This equipment will be properly maintained during the drilling operations and removed upon completion of well.

C. Where a closed loop mud system is used to drill a well the drilling fluid that remains after the drilling and casing is run or the well is Plugged and abandoned will be removed from the location and in some cases may be used on another well or transported to a State approve disposal site. The drilling cuttings that result from drilling the well will likewise be transported to a State approved disposal site.

D. All water produced while completing this well and completion fluids will be treate in the same procedure as the drilling fluids.

E. Any remaining salts or mud additive that was not used will be removed by the supplier, this includes all broken sacks and containers.

8. ANCILLARY FACILITIES:

A. No camps or air strips will be constructed on this location.

9. WELL SITE LAYOUT:

A. Exhibit "D" shows a generic well site for a well drilled using a closed mud system.

10. PLANS FOR RESTORATION OF SURFACE:

Rehabilition of the surface will start after the well has been completed, if the well is completed as a producer production facilities will be consturcted on the location. What area is not required for the operation of this project will be reclaimed and restored as near as possible to the original grade and vegetation.

If in case this well is unsuccessful and is a dry hole the drilling pad and the access roads will be reclaimed according to specifications provided by The Bureau of Land Management. Caliche or other road material will be removed for the possible use in another location or deposited in an approved reclaimation site.

Drill cuttings and mud used to drill this well will be removed and disposed of at an approved disposal site. All trash and any other debree will be collected and disposed of as the above.

11. ADDITIONAL INFORMATION:

A. the topography in this area consists of low lying sand dunes with a gentle dip to the Southeast with the drainage into Antelope Draw.Vegetation consists of mesquite, native grasses, some prickley pear.

B. The surface where the well is located is on State Land, with the state owning the minerasl as well. Drilling was initiated on The State of New Mexico mineral lease using a rat-hole drilling machine

C. The surface is leased to ranchers for the grazing of livestock.

D. There are no dwellings within 3 miles of this location.

CERTIFICATION

I HEREBY CERTIFY THAT I OR PERSONS UNDER MY DIRECT SUPERVISION HAVE INSPECTED THE PROPOSED DRILL SITE AND THE ACCESS ROAD ROUTES, THAT I AM FAMILIAR WITH THE CONDITIONS THAT CURRENTLY EXIST, THAT THE STATEMENTS MADE IN THIS PLAN ARE TO THE BEST OF MY KNOWLEDGE ARE TRUE AND CORRECT, AND THAT THE WORK ASSOCIATED WITH THE OPERATIONS PROPOSED HEREIN WILL BE PERFORMED BY ROBERT E. LANDRETH.. ITS CONTRACTORS AND/OR ITS SUB-CONTRACTORS AND IS IN CONFORMANCE WITH THIS PLANS AND TERMS AND THE CONDITIONS UNDER WHICH IT IS APPROVED. THIS STATEMENT IS SUBJECT TO THE PROVISIONS OF U.S.C. FOR FILING A FALSE REPORT.

OPERATOR'S REPRESENTATIVES:

BEFORE CONSTRUCTION

TIERRA EXPLORATION, INC
P. O. BOX 2188
JOE JANICA
OFFICE PH 575-391-8503
CELL 575-390-1598

DURING & AFTER CONSTRUCTION

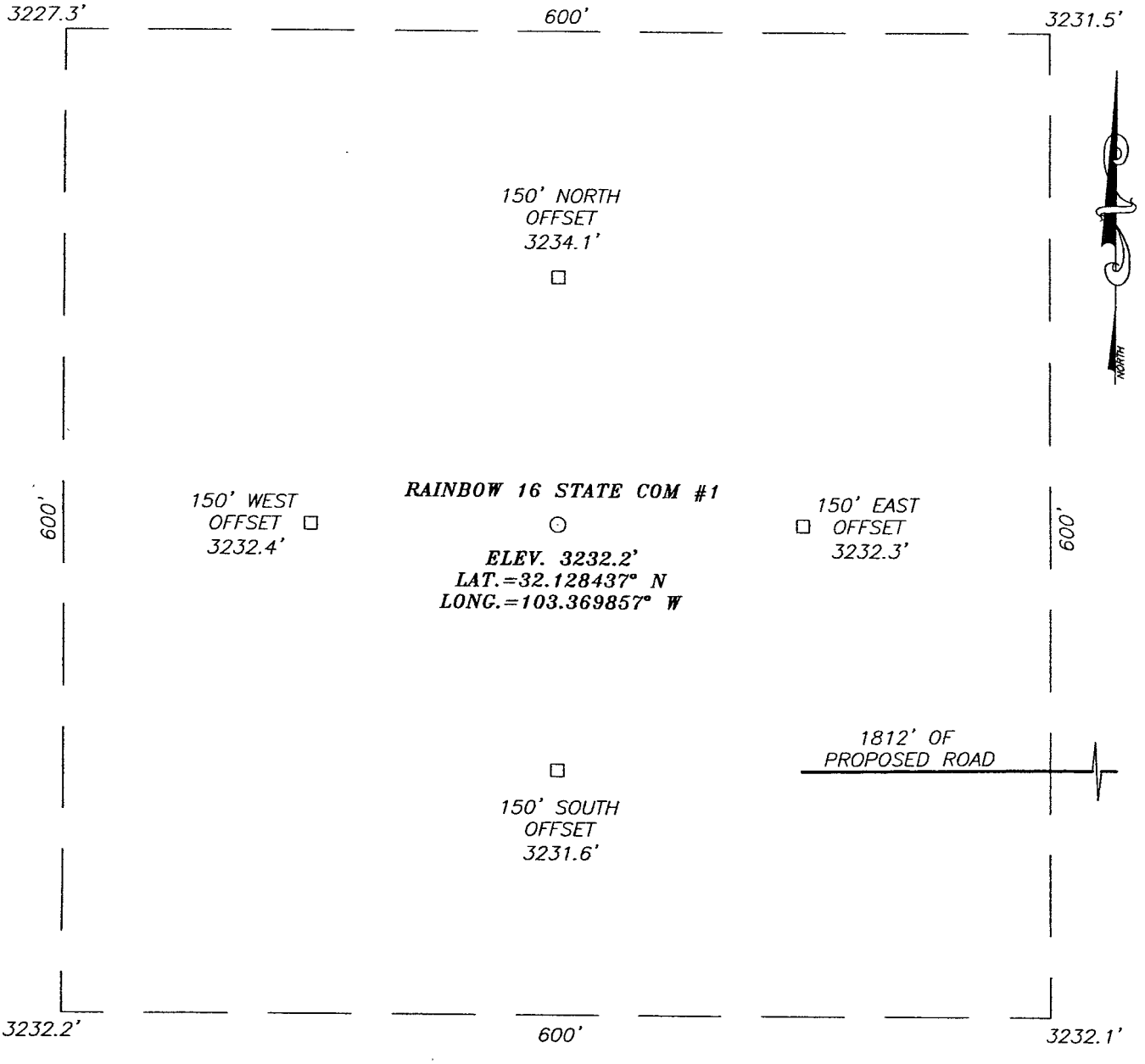
ROBERT E. LANDRETH
110 WEST LOUISIANA
SUITE 404
MIDLAND, TEXAS 79701
OFFICE PH 432-684-4781
CELL 432-553-4718

NAME Joe T. Janica

TITLE Permit Eng DATE 04/17/10

SECTION 16, TOWNSHIP 25 SOUTH, RANGE 35 EAST, N.M.P.M.,

LEA COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF ST. HWY. #18 AND ST. HWY. #128 (JAL NM) GO WEST ON ST. HWY. #128 APPROX. 11.7 FEET. TURN LEFT AND GO SOUTH THROUGH CATTLE GUARD APPROX. 1.3 MILES TO A PROPOSED ROAD SURVEY TO THE CACTUS 21 FEDERAL #1 WELL. FOLLOW ROAD SURVEY SOUTH APPROX. 1.0 MILE TO PROPOSED ROAD SURVEY. FOLLOW ROAD SURVEY WEST APPROX. 1965 FEET TO THIS LOCATION.

100 0 100 200 Feet

Scale:1"=100'

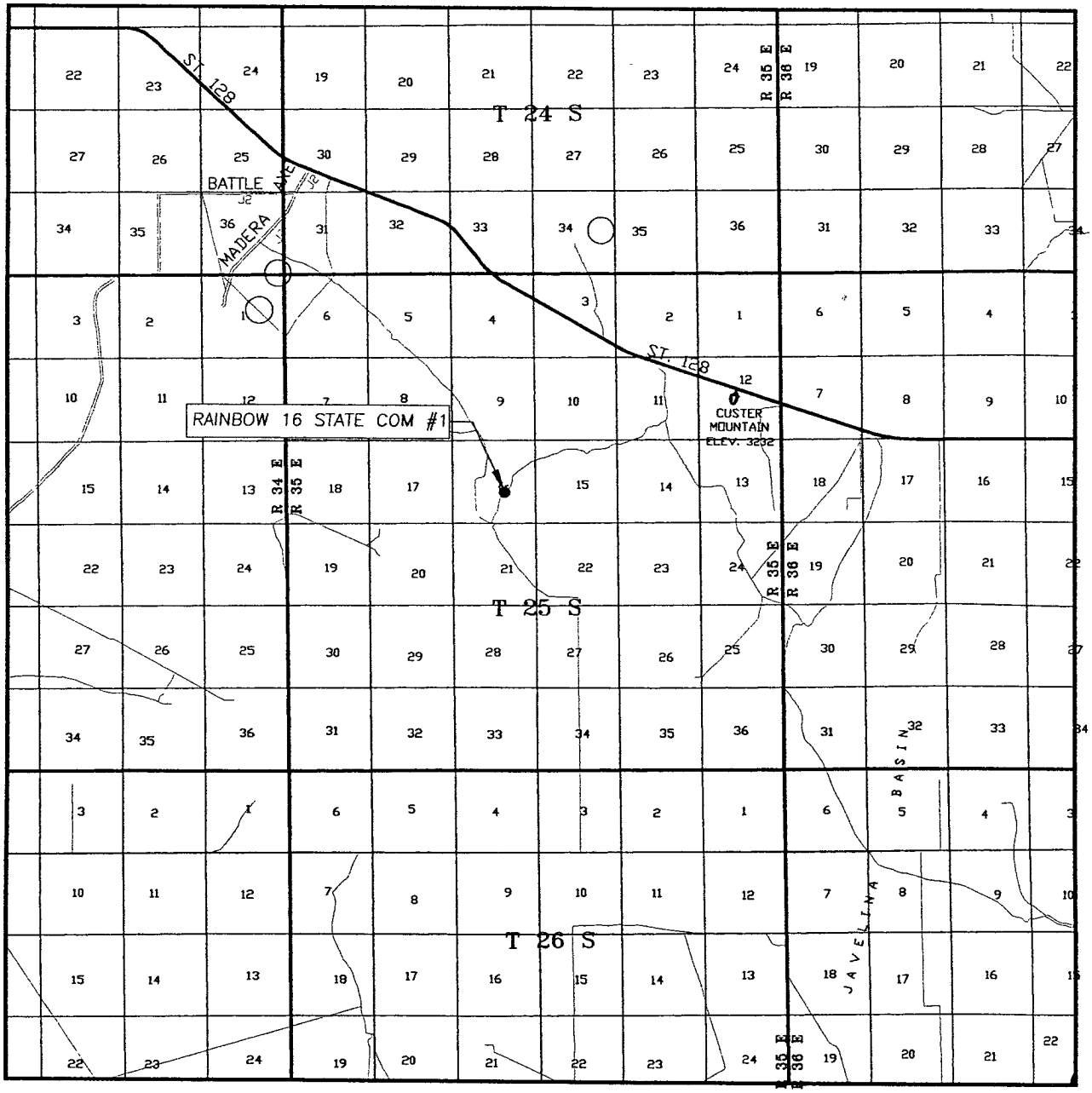
PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO
HOBBS, N.M. 88240
(575) 393-3117

ROBERT E. LANDRETH

RAINBOW 16 STATE COM #1 WELL
LOCATED 1980 FEET FROM THE SOUTH LINE
AND 1980 FEET FROM THE EAST LINE OF SECTION 16,
TOWNSHIP 25 SOUTH, RANGE 35 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.

Survey Date: 3/22/10	Sheet 1 of 1 Sheets		
W.O. Number: 10.11.0406	Dr By: LA	Rev 1:4/9/10	
Date: 3/24/10		10110406	Scale:1"=100'

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 16 TWP. 25-S RGE. 35-E

SURVEY N.M.P.M.

COUNTY LEA STATE NEW MEXICO

DESCRIPTION 1980' FSL & 1980' FEL

ELEVATION 3232'

OPERATOR ROBERT E. LANDRETH

LEASE RAINBOW 16 STATE COM

PROVIDING SURVEYING SERVICES
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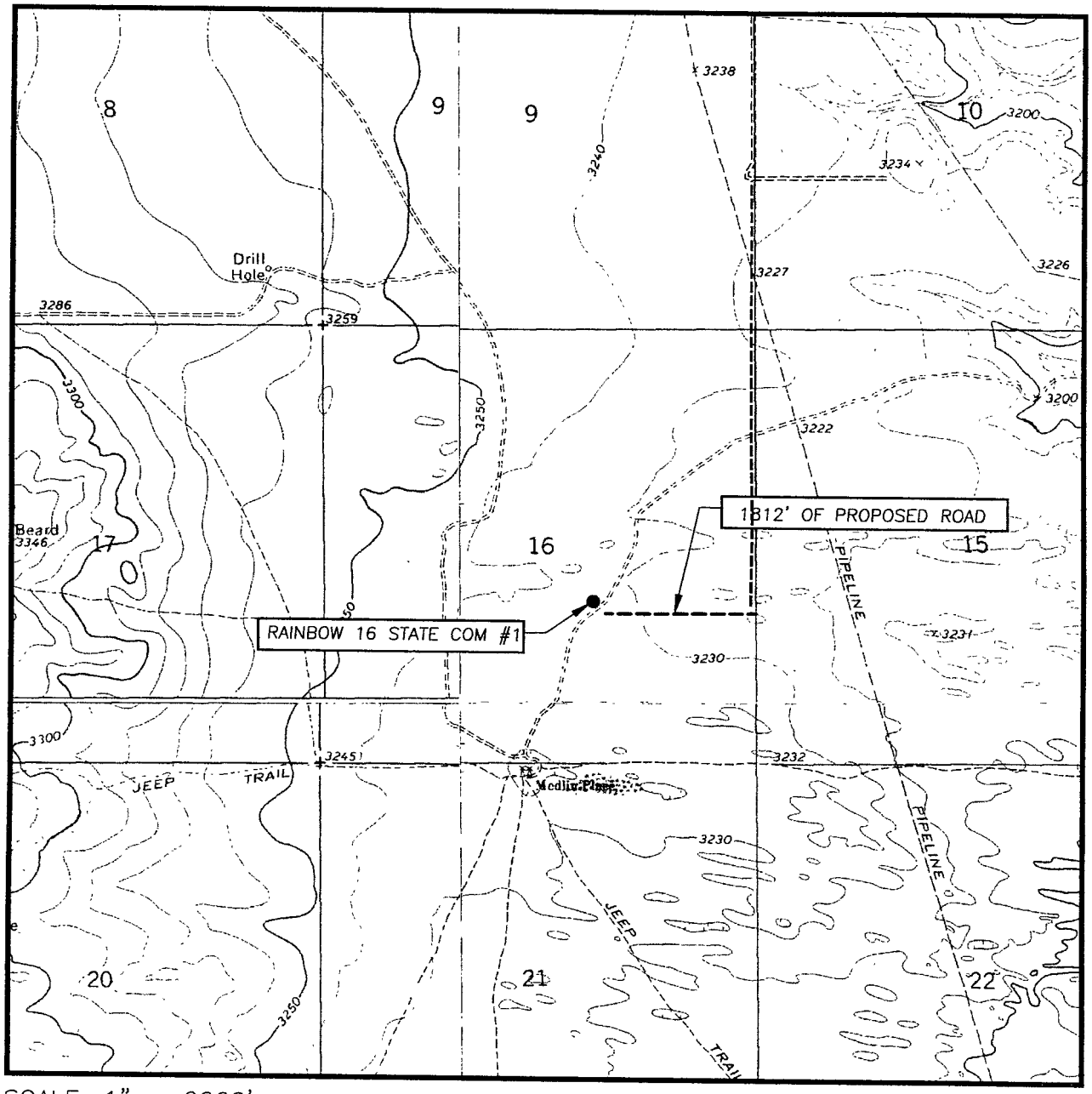
LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
CUSTER MOUNTAIN, N.M. – 10'

SEC. 16 TWP. 25-S RGE. 35-S

SURVEY N.M.P.M.

COUNTY LEA STATE NEW MEXICO

DESCRIPTION 1980' FSL & 1980' FEL

ELEVATION 3232'

OPERATOR ROBERT E. LANDRETH

LEASE RAINBOW 16 STATE COM

U.S.G.S. TOPOGRAPHIC MAP
CUSTER MOUNTAIN, N.M.

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SINCE 1946
JOHN WEST SURVEYING COMPANY
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HOBBS, N.M. 88240
(575) 393-3117

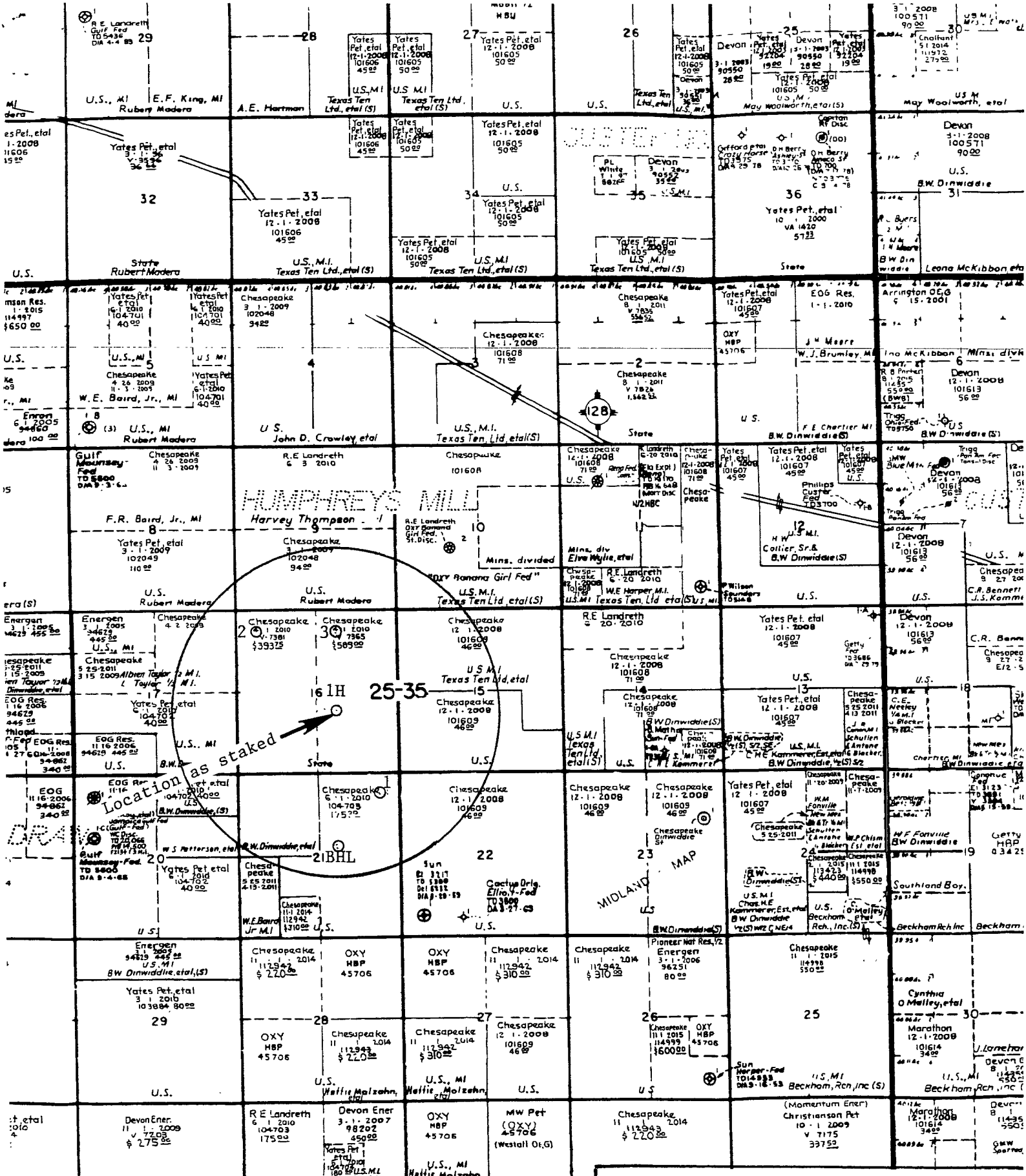

EXHIBIT "A-1"
ONE MILE RADIUS MAP

ROBERT E. LANDRETH
RAINBOW "16" STATE COM. # 1H
UNIT "J" SECTION 16
T25S-R35E LEA CO. NM

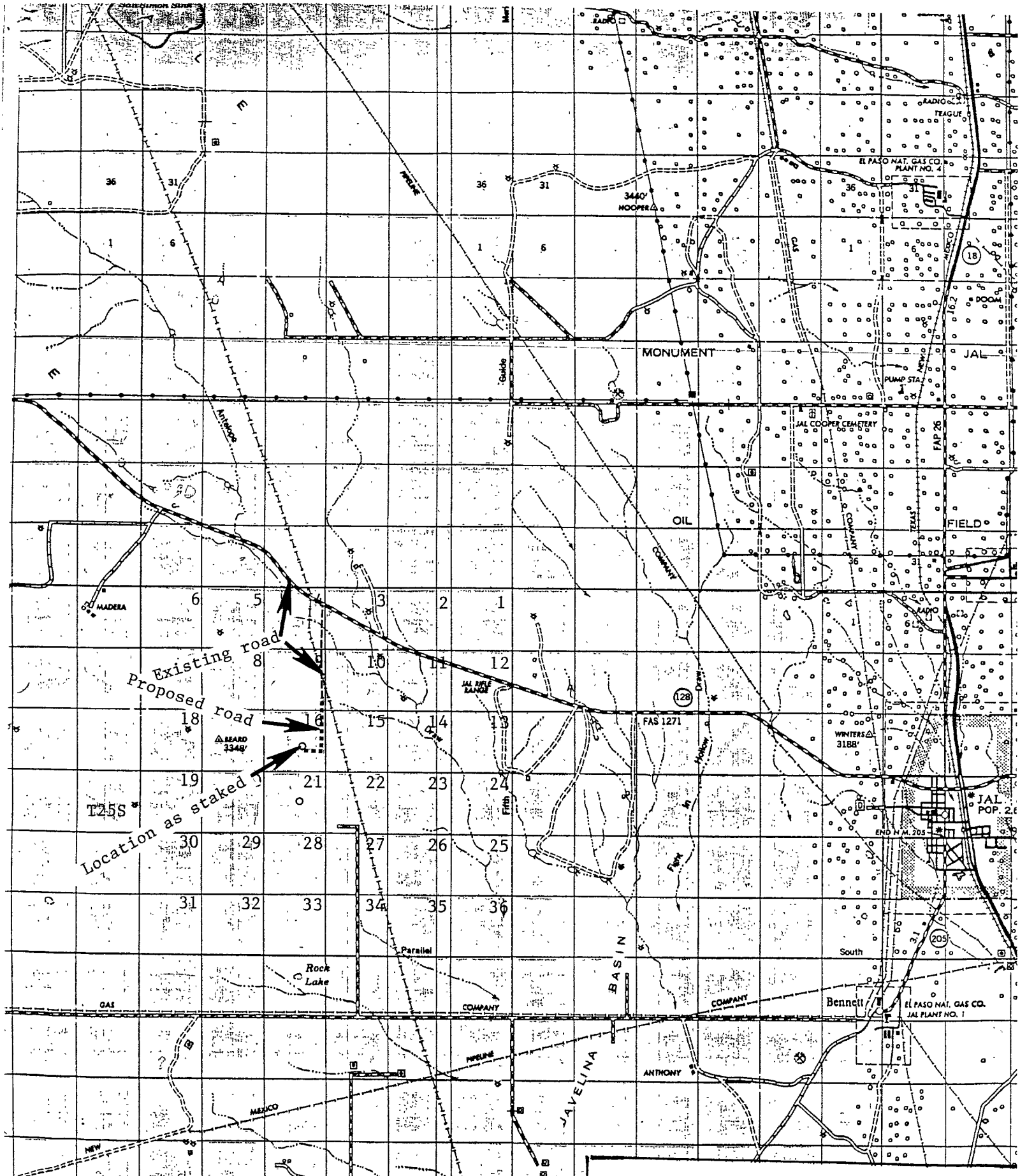

EXHIBIT "B"
LOCATION & ACCESS ROAD MAP

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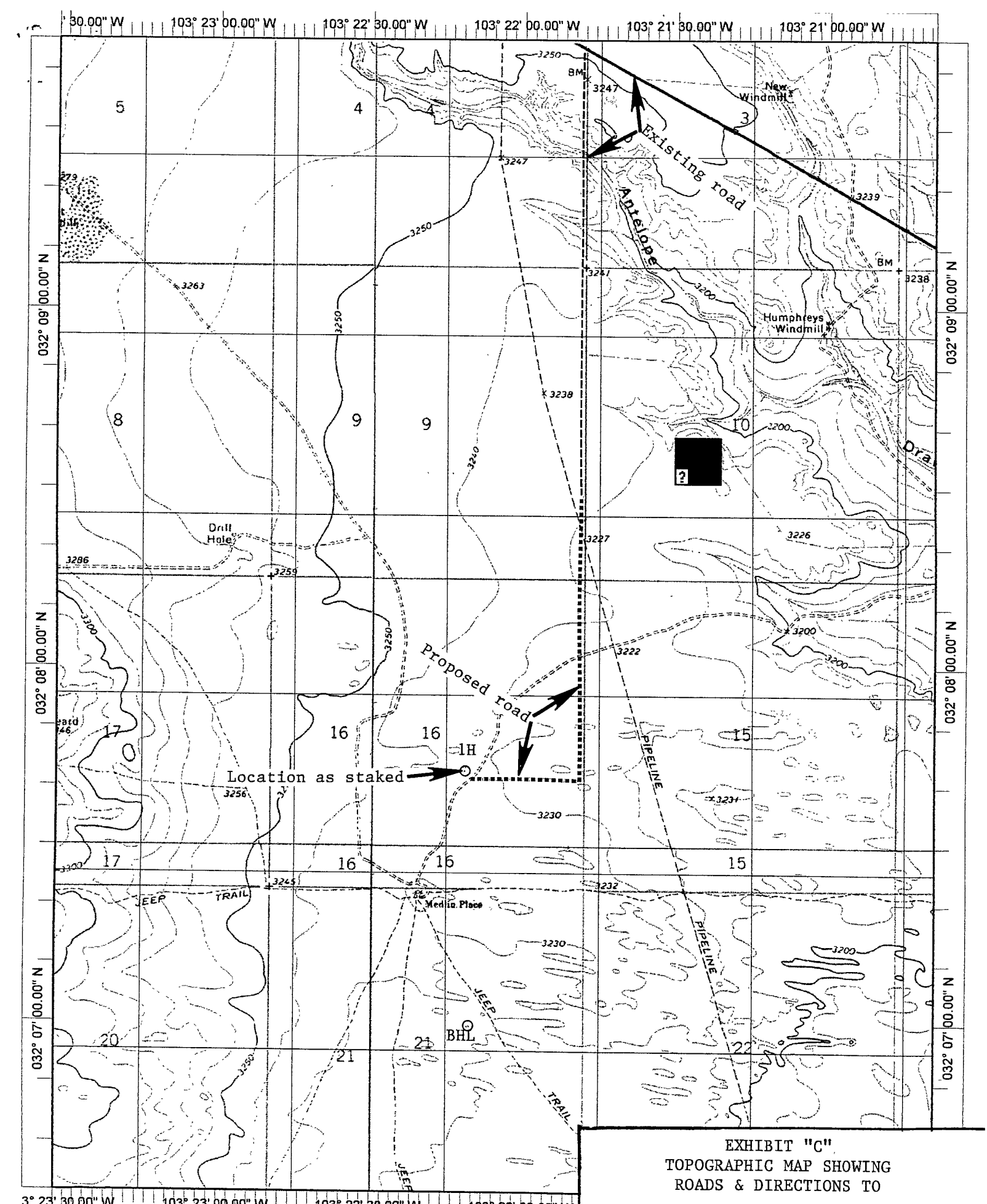
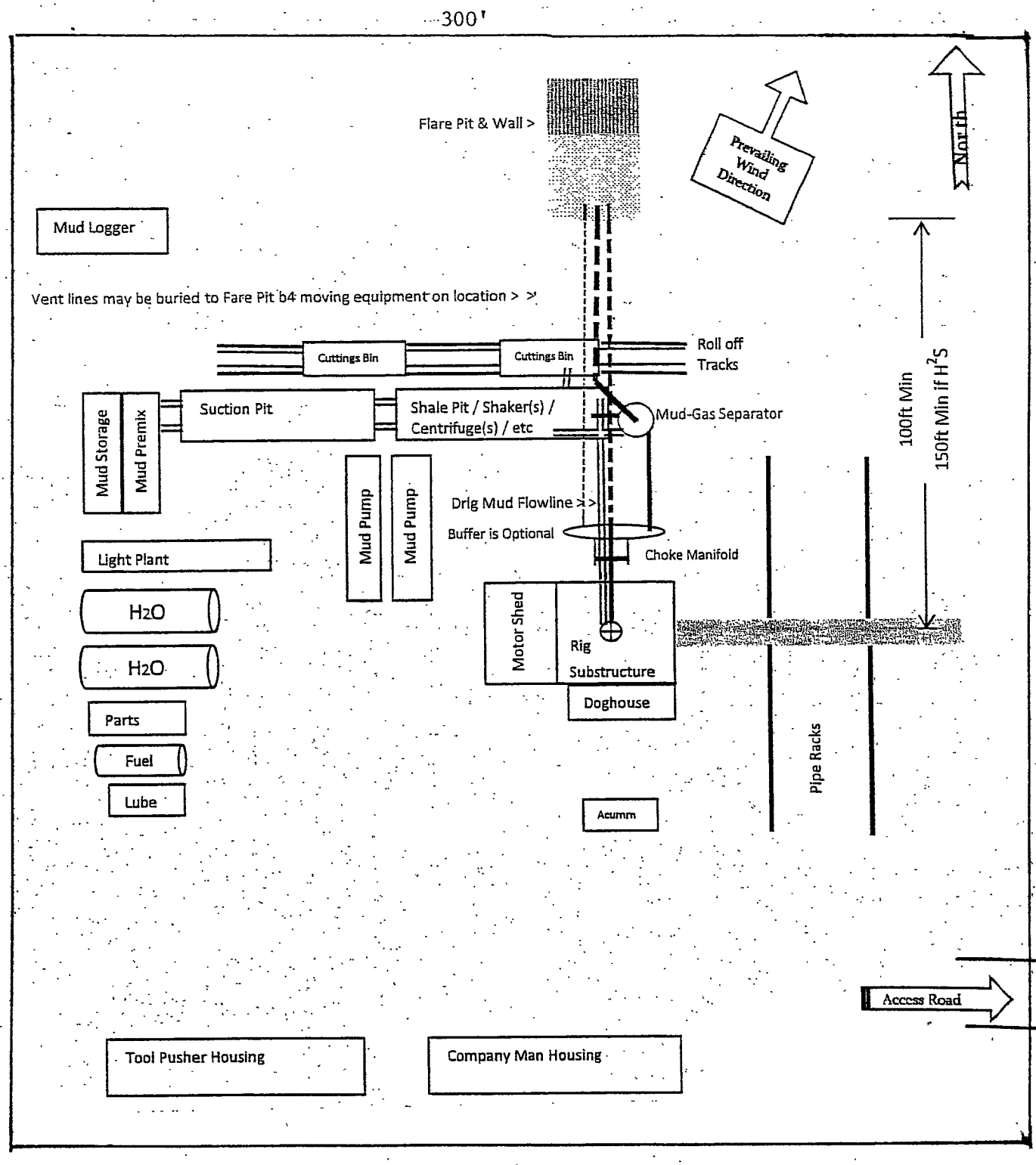


Datum: NAD27

EXHIBIT "C"
TOPOGRAPHIC MAP SHOWING
ROADS & DIRECTIONS TO

ROBERT E. LANDRETH
RAINBOW "16" STATE COM. # 1H
UNIT "J" SECTION 16
T25S-R35E LEA CO. NM



Preplanning reasonable spacing accommodations for a useable "Closed Loop" drillsite layout is challenging. Particular site specific conflicts need to be resolved. This generic APD plat was prepared to demonstrate several necessary elements. The plat should include: a north arrow, prevailing wind direction, spacing access for truck removal of cutting bins, flare pit location, and piping provision to vent all combustible gas to the flare pit. Include the choke manifold and mud-gas separator location and their connection routing.

Generic Drill Site Layout

EXHIBIT "D"
RIG LAYOUT PLAT

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