

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

RECEIVED

JUN 20 1979

Cities Service Company
Well No. 1 Government "AJ"
2310' FNL and 1980' FWL Section 8-20S-21E
Eddy County, New Mexico
Lease New Mexico-33121

**U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO**

This plan is submitted with the Application for Permit to Drill the above described well. The purpose of the plan is to describe the location of the proposed well, the proposed construction activities and 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 effects associated with the operation.

The well has been staked by a Registered Professional Engineer and the work area and access road has been staked and flagged. Dr. J. Loring Haskell has been commissioned to make an Archaeological survey of the work area and access road. His findings concerning cultural resources will be reported to the Bureau of Land Management in Carlsbad, New Mexico.

1. Existing Roads

A portion of an Eddy County highway map is attached which shows the proposed location in relation to the town of Hope, New Mexico and the existing road system leading into the area.

Directions to location:

Start at Hope, New Mexico. Go 7 miles due south on black topped road to Y. Take right fork and continue on black topped road 8 miles to TULK RANCH headquarters.

Continue on black topped road past TULK RANCH 1.4 miles. The staked and flagged proposed access road starts at this point going in a meandering southeasterly direction 6500' to the location.

2. Planned Access Road

- A. The planned access road is staked and flagged. It is indicated in green on the attached copy of a USGS "map in progress" quad sheet. A portion of the existing black topped road is shown in red. The road will be 12' wide and 6500' long and enter the drilling pad at the southwest corner.

- B. Surfacing material: The roadway will be bladed, watered and graded. There may be a few spots that will need caliche but they are not apparent on the initial survey. The work area will be caliched if necessary.
- C. Maximum grade: The terrain is rolling. Maximum grade 3%.
- D. Turnouts: Two passing turnouts will be constructed at 3000' and 5000' from the west end of the proposed access road. This construction will increase the width of the new road to 20' for a distance of 30'.
- E. Drainage design: New road will have a drop of 6" from center line to each side.
- F. Culverts: None needed.
- G. Cuts and fills: The location falls on top of a "hogback" sloping to the east. It will be necessary to make a 5' cut on the west side and a 5' fill on the east side to secure a level site to set up the drilling rig and associated equipment.
- H. Gates and cattleguards: One cattle guard will be installed in a N-S fence approximately 4000' from the west end of the proposed access road. Junious Tulk, the rancher, has requested that a 16' x 10' cattleguard be installed since he is raising sheep and they would jump a more narrow guard. We will comply with his request.

3. Location of Existing Wells

An ownership map showing lease designation, serial numbers, a portion of the existing black topped road and the proposed access road is attached. There are no existing wells within a 2 mile radius of our proposed location.

4. Location of Existing and/or Proposed Facilities

There are no existing facilities in the area.

Proposed production facilities will be set on the drilling pad approximately 150' from the well. The equipment will consist of 2 300 barrel tanks to collect condensate

and water which will be trucked to sale or disposal and a production unit (stack pack). All equipment will be fenced with a chain link fence.

The gas purchaser will install necessary gas measuring equipment and gathering system for gas.

5. Location and Type of Water Supply

A fresh water mud system will be used to drill this well and fresh water will be purchased and trucked to the well site over existing and proposed roads.

6. Source of Construction Materials

Caliche for surfacing selected portions of the access road and well pad will be purchased and hauled from a Federal pit located in the SW of the SE of Section 12-20S-20E, Chaves County, New Mexico.

7. Methods of Handling Waste Disposal

- A. Drill cuttings will be disposed of in the drilling pits.
- B. Drilling fluids will be allowed to evaporate in the drilling pits until pits are 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. 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 wind. Location of trash pit is shown on the well site layout.
- 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 needed.

9. Well Site Layout

- A. A plat of the well site is attached which shows dimensions of well pad, mud pits, reserve pit, trash pit and location of major rig components.
- B. The reserve pit will be plastic lined.

10. Plans for Restoration of the Surface

- A. After completion of the well, all equipment not needed for operations will be removed.
- B. All unattended pits containing liquids will be fenced and the liquid portion allowed to evaporate before the pits are broken and backfilled.
- C. All waste associated with the drilling operation will be buried in place in a separate pit. Garbage and debris will be buried at least 3' deep. Any plastic material used to line the pits will be cut off below ground level, as far down as possible, and disposed of before the pits are covered.
- D. Surface restoration will be in accordance with the requirements of the Bureau of Land Management.
- E. The well site, if a producer, will be maintained and kept clean of all trash and litter or other foreign material which detracts from the surrounding environment. Equipment will be maintained in accordance with good operating practices.

After the well site is cleaned and pits and sumps backfilled, any obstruction to the natural drainage will be corrected by ditching and/or terracing. All disturbed areas, including any access road no longer needed, will be ripped and sown in grass seed recommended by the BLM.

11. Other Information

- A. Topography: Terrain is rolling and broken. The drill site falls on top of a "hogback" sloping to the east. A 5' cut on the west side and a 5' fill on the east side will be necessary to secure

a level site to set up the drilling equipment. The access road is fairly level. The area becomes more rugged and mountainous to the west. Drainage is to the east at approximately 30' per mile.

- B. Soil: Thin fine sandy soil with numerous rock outcrops.
- C. Flora and Fauna: Vegetative cover is generally sparse consisting of mesquite, yucca, shinny oak and perennial native range grasses. Wildlife in the area is typical of semi-arid desert land and includes coyotes, rabbits, rodents, reptiles, dove, quail and deer.
- D. Ponds and Streams: No streams or ponds were noted in the area.
- E. Residences and Other Structures: The Tulk ranch house is approximately 2 miles north of the location.
- F. Archaeological, Historical and Cultural Sites: None observed. Dr. J. Loring Haskell has been engaged to make a survey of the well pad and access road.
- G. Land Use: Sheep ranching and hunting in season.
- H. Surface Ownership: The wellsite and access road are all on Federal surface. The grazing allottee is the Tulk Ranch, % Junious C. Tulk, Box 232, Hope, New Mexico 88250, telephone #505/484-3687.

12. Lessee's or Operators Representative

Cities Service Company's representative who is responsible for assuring compliance with the approved surface use and operations' plan is:

E. Y. Wilder
Cities Service Company
Region Operations Manager
Box 1919
Midland, Texas 79702

Telephone: (915) 684-7131

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 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 Cities Service Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

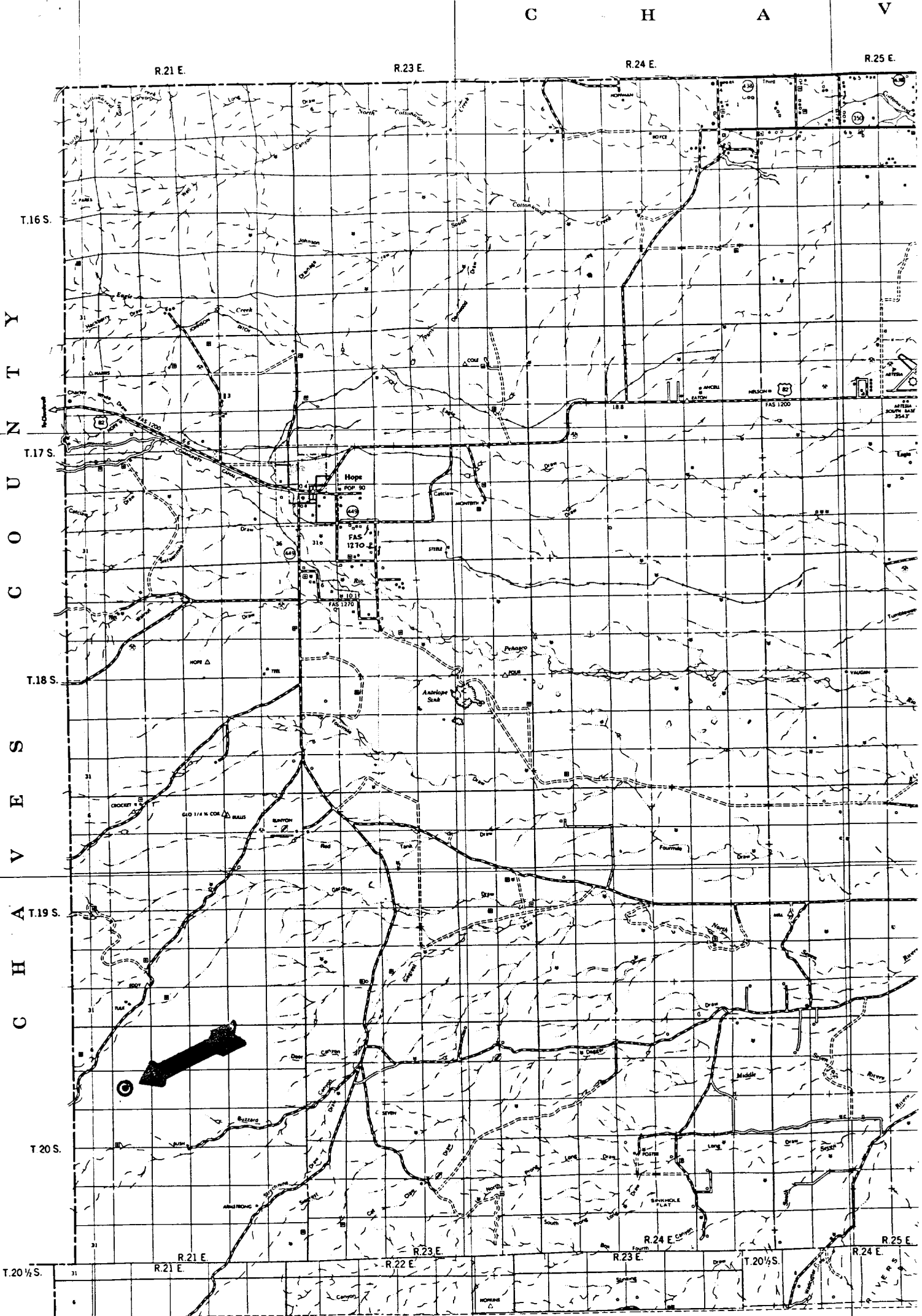
6/19/79
Date

E. J. Mulder
Region Operations Mgr.

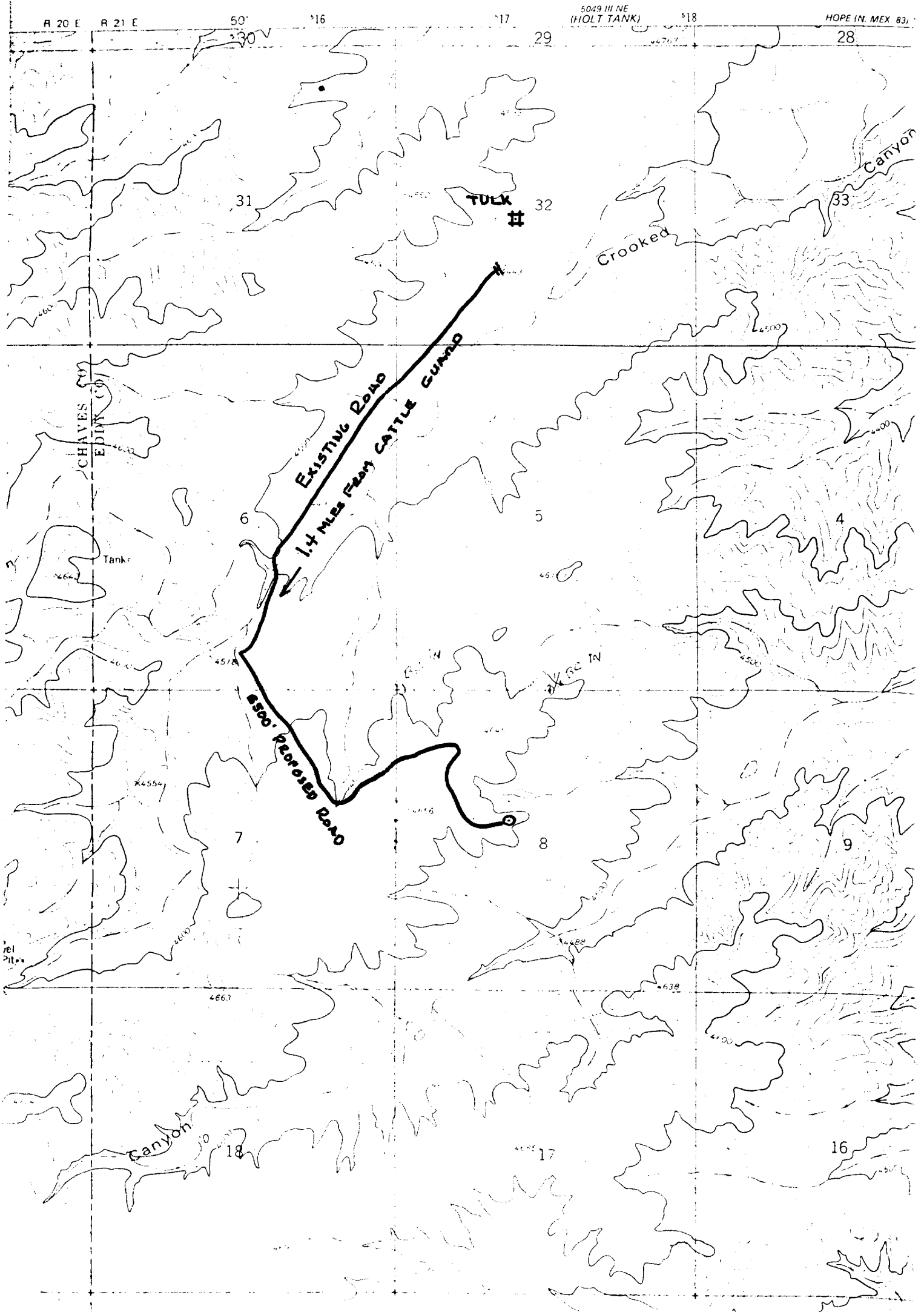
Please contact me at the above address if further information is needed to properly evaluate this proposal.

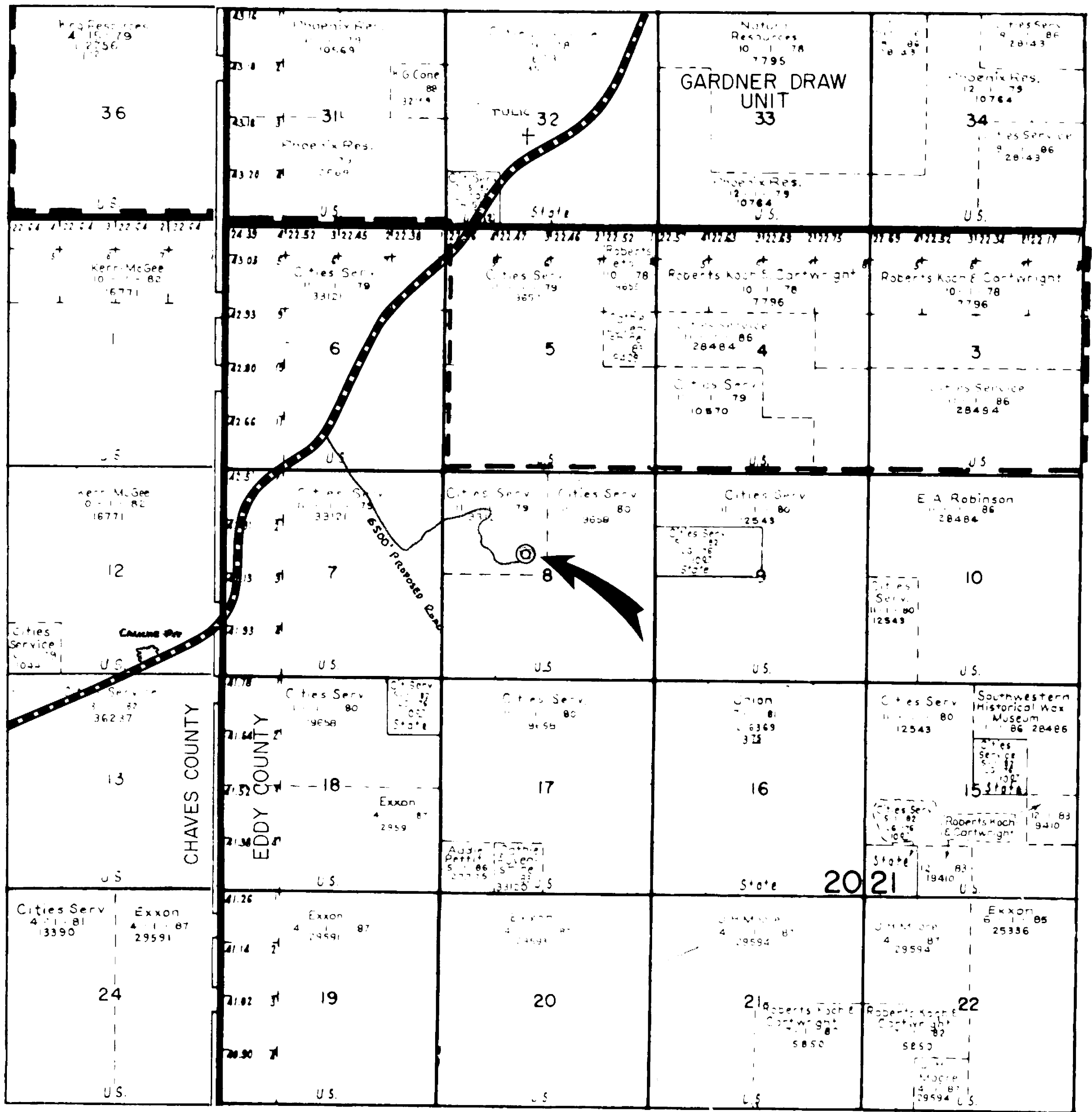
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Attachments



Cities Service Co's
Government "AJ" No. 1
2310' FNL, 1980' FWL
Section 8-20S-21E
Eddy County, New Mexico

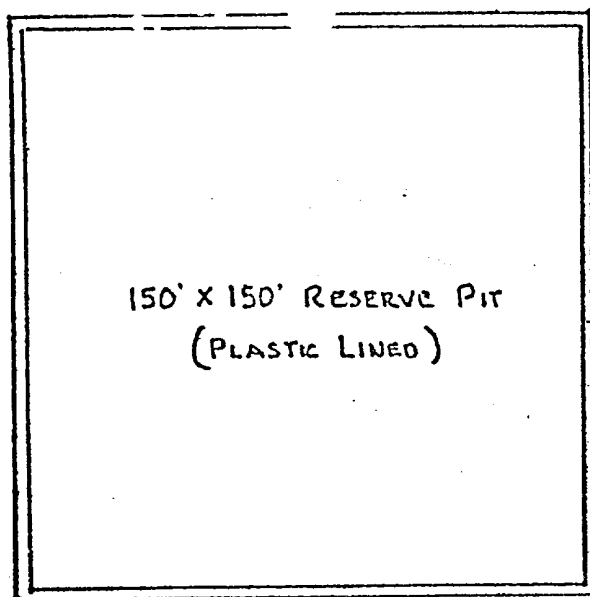




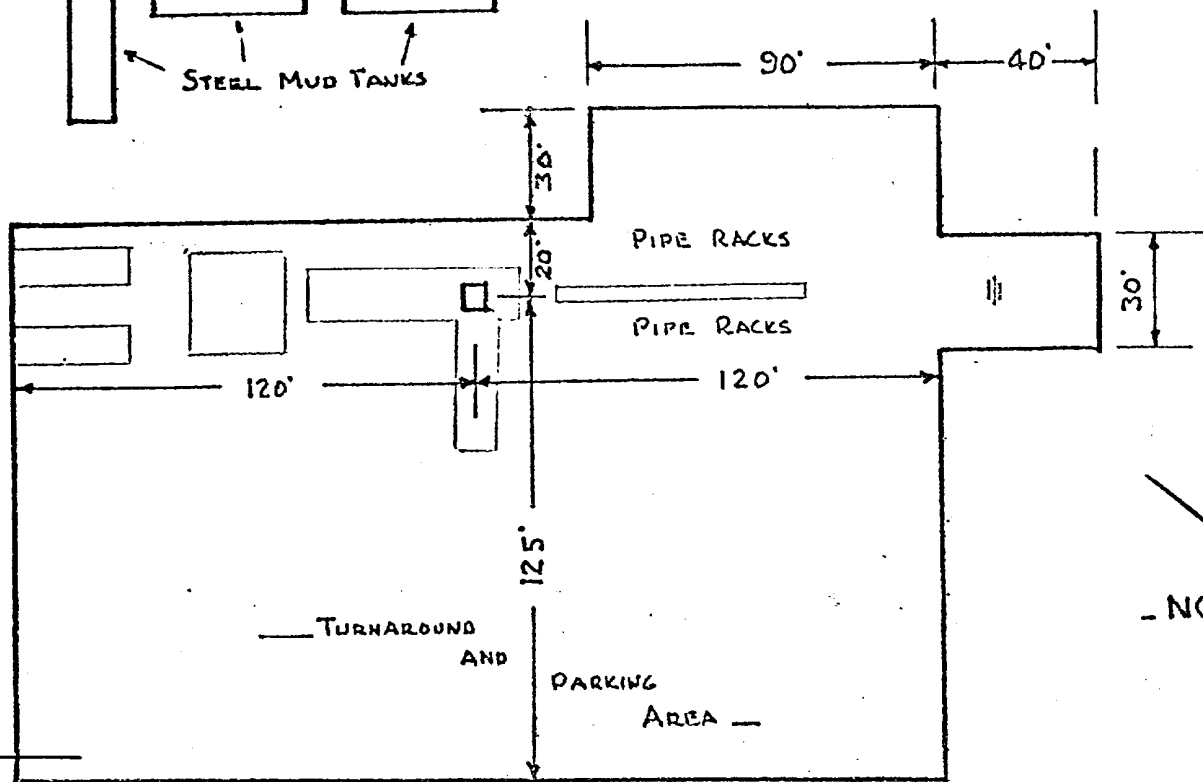
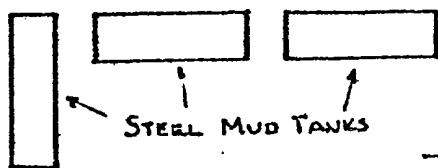
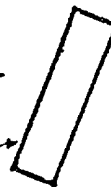
SIEGREEST DRAW AREA

Eddy & Chaves Counties, N.M.
 CITIES SERVICE COMPANY
 GOVERNMENT "AJ" No.1
 2310' ~~2310'~~ FNL, 1980' FWL
 SECTION 8-T20s-R21E
 EDDY COUNTY NEW MEXICO

Scale 1" = 2,000'



BURN PIT -
GARBAGE,
TRASH &
JUNK



— RIG UP WITH V-DOOR TO EAST —
RESERVE PIT TO NORTH —