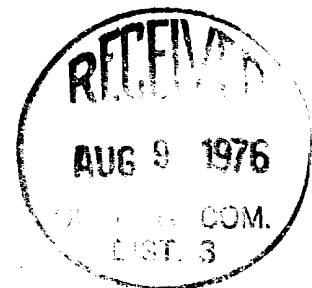


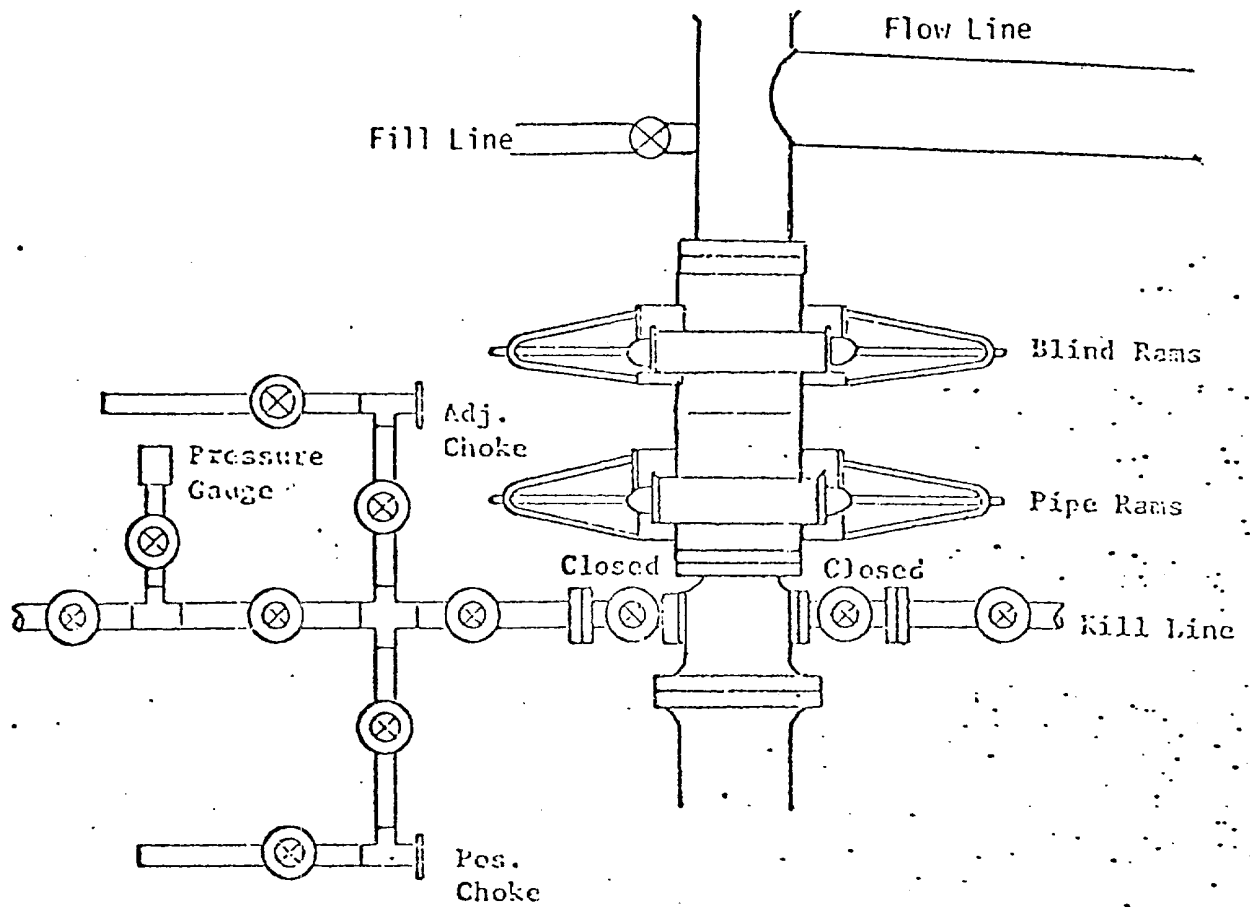
RIDDLE 2 A  
7 POINT WELL CONTROL PLAN

1. Surface casing: 9 5/8", 24#, approximately 200, grade K-55, new condition.
2. Casinghead will be 10", 900 Series, 3,000 psi rating.
3. Intermediate casing - 7", 20#, K-55, will be set at +4027' and cemented to surface casing.
4. Blowout preventors: Hydraulic, double ram, 10". One set of rams will be provided for each size drill pipe in the hole. One set of blind rams at all times. Fill line will be 2", kill line will be 2", choke relief line will be 2" with variable choke.
5. Auxiliary equipment:
  - (1) Kelly cock will be in use at all times.
  - (2) Stabbing valve to fit drill pipe will be present on floor at all times.
  - (3) Mud monitoring will be visual, no abnormal pressures are anticipated in this area.
  - (4) Rotating head will be used when drilling with gas.
6. Anticipated bottom-hole pressure:

This is an area of known pressure. Maximum anticipated pressure at TD is 1200 psi. Anticipate no H<sub>2</sub>S Gas
7. Drilling Fluids:

0 - 200'	Spud mud
200- 4027'	Gel water - low solids as needed to maintain good conditions.
4027- T.D.	Compressed gas





All valves 2"

All BOP's, flanges, spools, valves & lines must be series 900 or 3000 psi working press.

Choke manifold must be at ground level and extended out from under substructure.

TENNECO OIL COMPANY

REQUIRED MINIMUM BLOWOUT PREVENTOR

HOOKUP

Denver, Colorado



BLM SEEDING REQUIREMENTS  
IN THE FARMINGTON RESOURCE AREA

1. SEED MIXTURE 2

2. TIME:

All seeding will take place between July 1 and September 15.

3. EQUIPMENT:

Seeding will be done with a disc-type drill with two boxes for various seed sizes. The drill rows will be eight to ten inches apart. The seed will be planted not less than one-half inch deep or more than one inch deep. The seeder will be followed with a drag, packer, or roller to insure uniform coverage of the seed, and adequate compaction. Drilling will be done on the contour where possible, not up and down the slope. Where slopes are too steep for contour drilling, a "cyclone" hand seeder or similar broadcast seeder will be used. Seed will then be covered to the depth described above by whatever means is practical.

4. SPECIES TO BE PLANTED IN POUNDS PURE-LIVE-SEED PER ACRE:

CRESTED WHEATGRASS (Agropyron desertorum) -  $3\frac{1}{2}$  lbs.

FOURWING SALT BUSH (dewinged) (Atriplex canescens) -  $\frac{1}{2}$  lb.

SAND DROPSEED (Sporobolus cryptandrus) -  $\frac{3}{4}$  lb.

WINTERFAT (Eurotia lanata) -  $\frac{1}{2}$  lb.

ALKALI SACATON (Sporobolus airoides) -  $\frac{3}{4}$  lb.

BLM COLOR REQUIREMENTS  
IN THE FARMINGTON RESOURCE AREA

1. All equipment shall be painted green to match the surrounding area. (The exception to this is the Florance 30 A which has to be painted gray)

## SURFACE USE PLAN

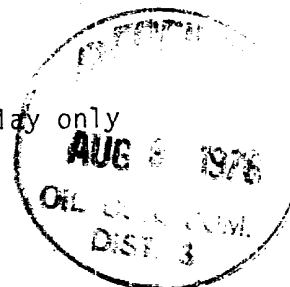
### TENNECO OIL COMPANY'S

Riddle 2A, 1450' FSL and 1450' FEL of  
Sec. 17, T30N, R9W, Lease SF 080244,  
San Juan County, New Mexico.

This plan is to accompany "Application for Permit to Drill" for the above mentioned well.

The following is a discussion of pertinent information concerning possible effect which the proposed drilling of the well may have on the environment of the well and road sites and surrounding acreage. A copy will be posted on the derrick floor so that all contractors and subcontractors will be aware of all items of this plan.

1. AREAL ROAD MAP - Exhibit "A" is a portion of a USGS topographic map, San Juan County, New Mexico, showing existing black top roads. Approximately 12 miles from Aztec, New Mexico on Highway 173. Turn left (North) on a lease road for 3/4 mile. Turn right on road to Riddle #6. Proceed 500' South & West from Riddle #6 and you will be at the site.
2. LOCATION OF EXISTING WELLS - Several MV, Dak., and P.C. have been drilled in a two mile radius and are shown on Exhibit "B".
3. PROPOSED WELL MAT AND IMMEDIATE AREA - Refer to Exhibit "C" for direction orientation and road access.
  - a. Mat size - 130' x 300'
  - b. Surface - Will be native soil, bladed, watered and capped with clay only when necessary.
  - c. Reserve pit - 150' x 150' unlined pit, joining mat to the
  - d. Cut & Fill - 6' - 8' of cut on North side of location.
  - e. Drill Site Layout - Exhibit "C" shows position of mat, reserve pits, burn pits, trash pits, and mud pits in relation to the well bore. Rig will be erected with the V-Door to the Southeast.
  - f. Setting & Environment -
    - (1) Terrain - Sloping to Southeast; rock out crops immediately above location. See Exhibit "A", topographic map of area.
    - (2) Soil - Bentonite & sand
    - (3) Vegetation - Little or no grass with pinion pine, junipers and scrub cedars.
    - (4) Surface Use - Unknown, possibly used for grazing.



- (5) Other - Drill site, which is sloping to the Southeast in 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 minimal.

g. Distances to:

- (1) Ponds and Streams - There are no surface waters within 1/2 mile.
- (2) Water Wells - No water well or windmill could be seen within 1/2 mile.
- (3) Residences and Buildings - There are no houses or buildings within 1/2 mile.
- (4) Arroyos, Canyons, etc. - See Exhibit "A". A deep canyon is located 2-300 yards to Southeast of location.

- h. Well Sign - Sign identifying and locating well will be maintained at drill site with the spudding of the well.

- i. Open Pits - All pits containing mud or other liquids will be fenced.

4. ROADS

- a. Existing roads - All existing roads within one mile of the location are shown on Exhibit "A" and Exhibit "D".

- b. Planned roads - Plan to construct 500' of new 14 foot wide road.

- c. Fences, Gates and Cattleguards - None

5. TANK BATTERY - This is expected to be a dry gas well, therefore, a tank battery will not be required.

6. LEASE PIPELINES

- a. Existing - Not furnished by the Operator, to be connected by Southern Union Gathering Co.
- b. Planned - If production is encountered, all lease lines are to be constructed on a well mat.

7. WASTE DISPOSAL - Well cuttings will be disposed in reserve pit. Barrel trash containers to be in accessible locations within drill site area during drilling and completion procedures. All detrimental waste will be hauled away, burned or buried with a minimum cover of 24" dirt. See Exhibit "C" for location of pits. If well is productive, maintenance waste will be placed in special trash cans and hauled away periodically. No produced water is anticipated.



8. WATER SUPPLY - Supply water will be hauled from the San Juan River or nearest wash.
9. ARCHAEOLOGICAL RESOURCES - Report will be furnished by Nancy Hewitt from Salamon Ruins, Bloomfield, New Mexico.
10. RESTORATION OF SURFACE - If well is productive, pits will be backfilled and leveled as soon as practical to original condition.
11. OPERATOR'S REPRESENTATIVE - Field personnel who can be contacted concerning compliance of this Surface Use Plan are as follows:

Production & Drilling

Darrell Brown  
1860 Lincoln St., Suite 1200  
Denver, Colorado 80203

Office Phone: (303) 292-9920 Ext. 254  
Home Phone: (303) 771-8297

12. CERTIFICATION

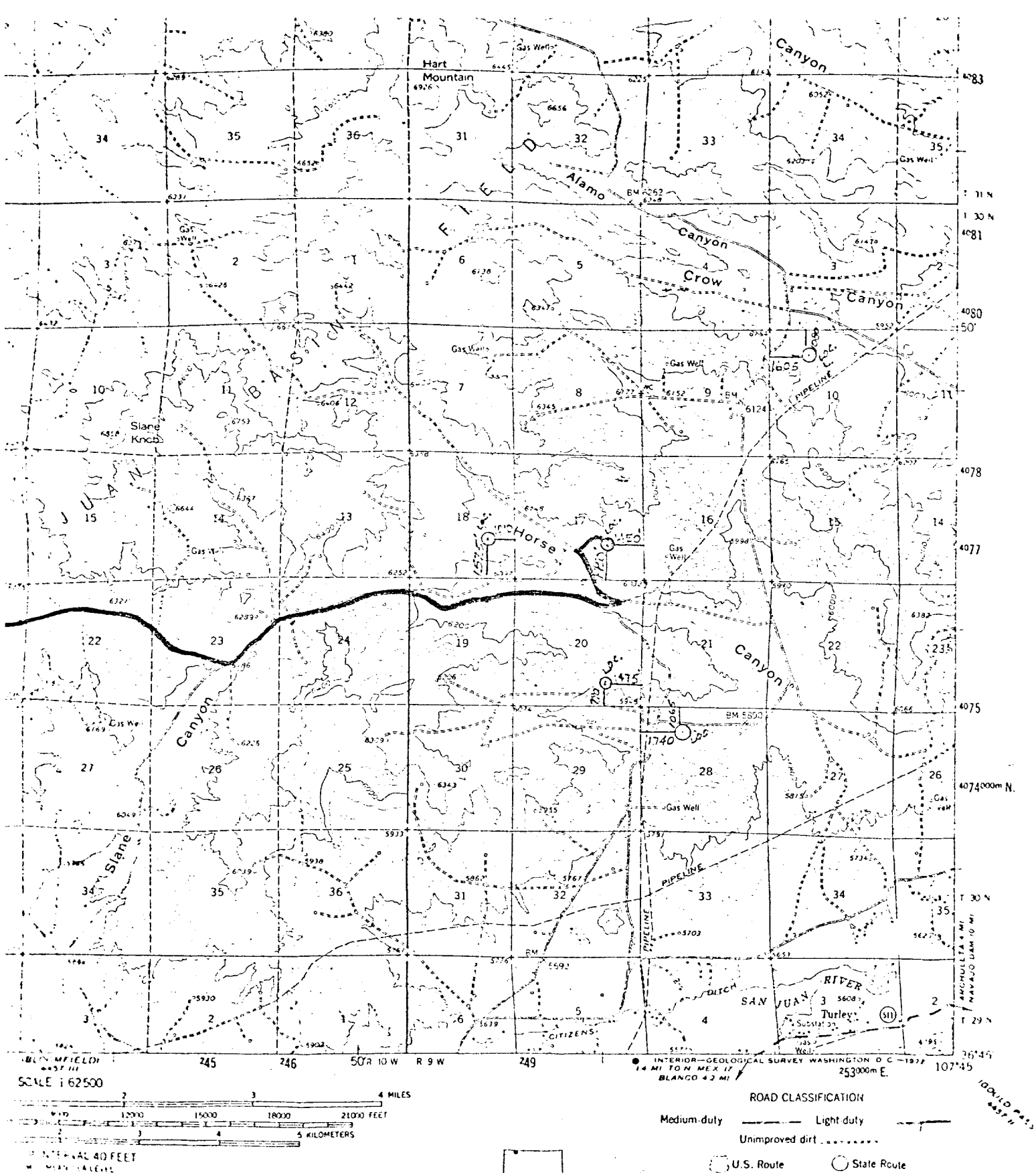
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions as they actually exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the proposed work performed by Tenneco Oil Company and its contractors and sub-contractors will conform to this plan.

8-4-76  
Date

D. E. Brown  
D. E. Brown

Div. Drilling Engineer





QUADRANGLE LOCATION

AZTEC, N. MEX.  
N3645-W10745/15

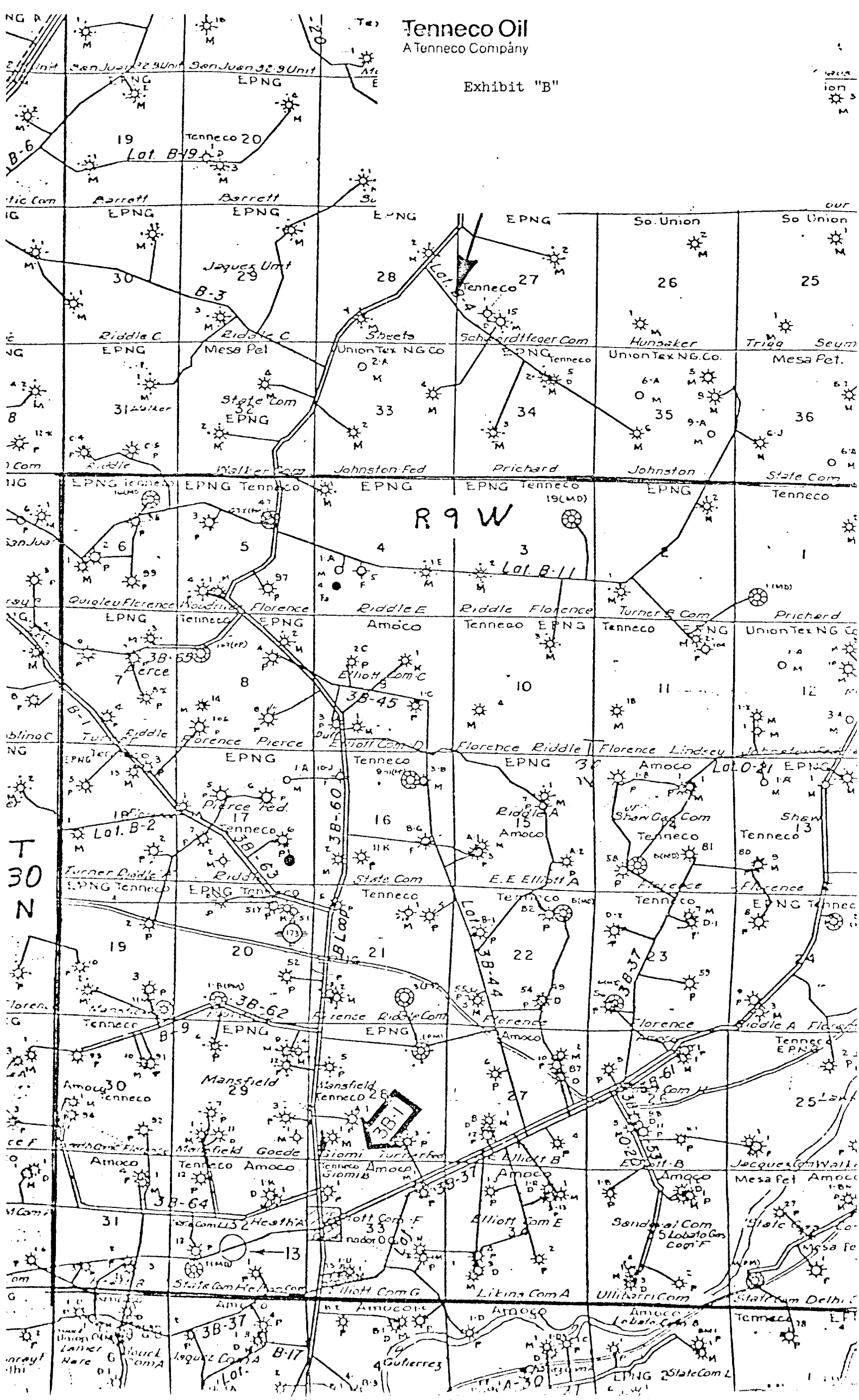
1959

AMS 4457 IV--SERIES V781

EXHIBIT " A "

U.S. NATIONAL MAP ACCURACY STANDARDS  
BETHLEHEM, COLORADO 80225 OR WASHINGTON, D. C. 2024  
MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Exhibit "B"





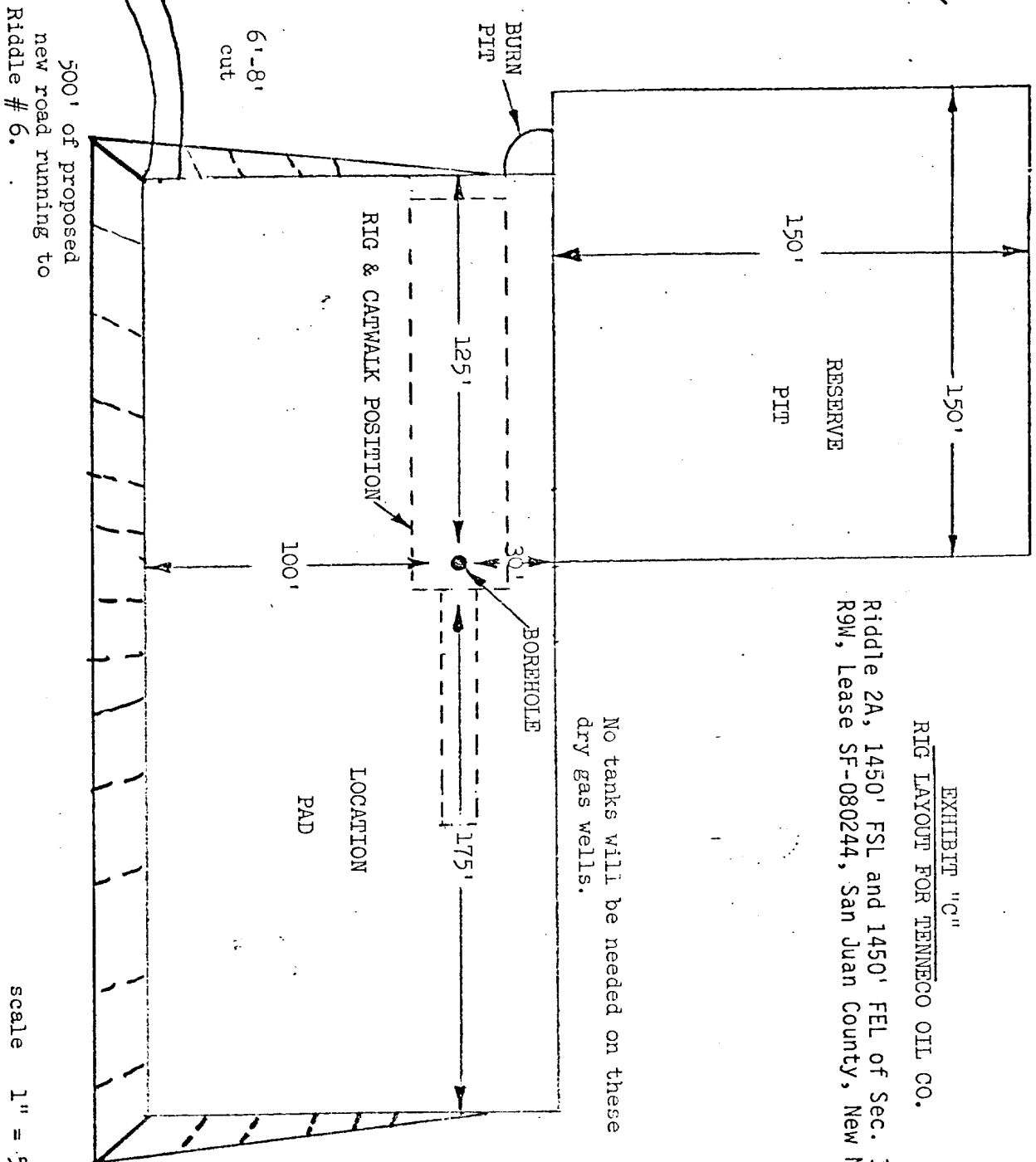


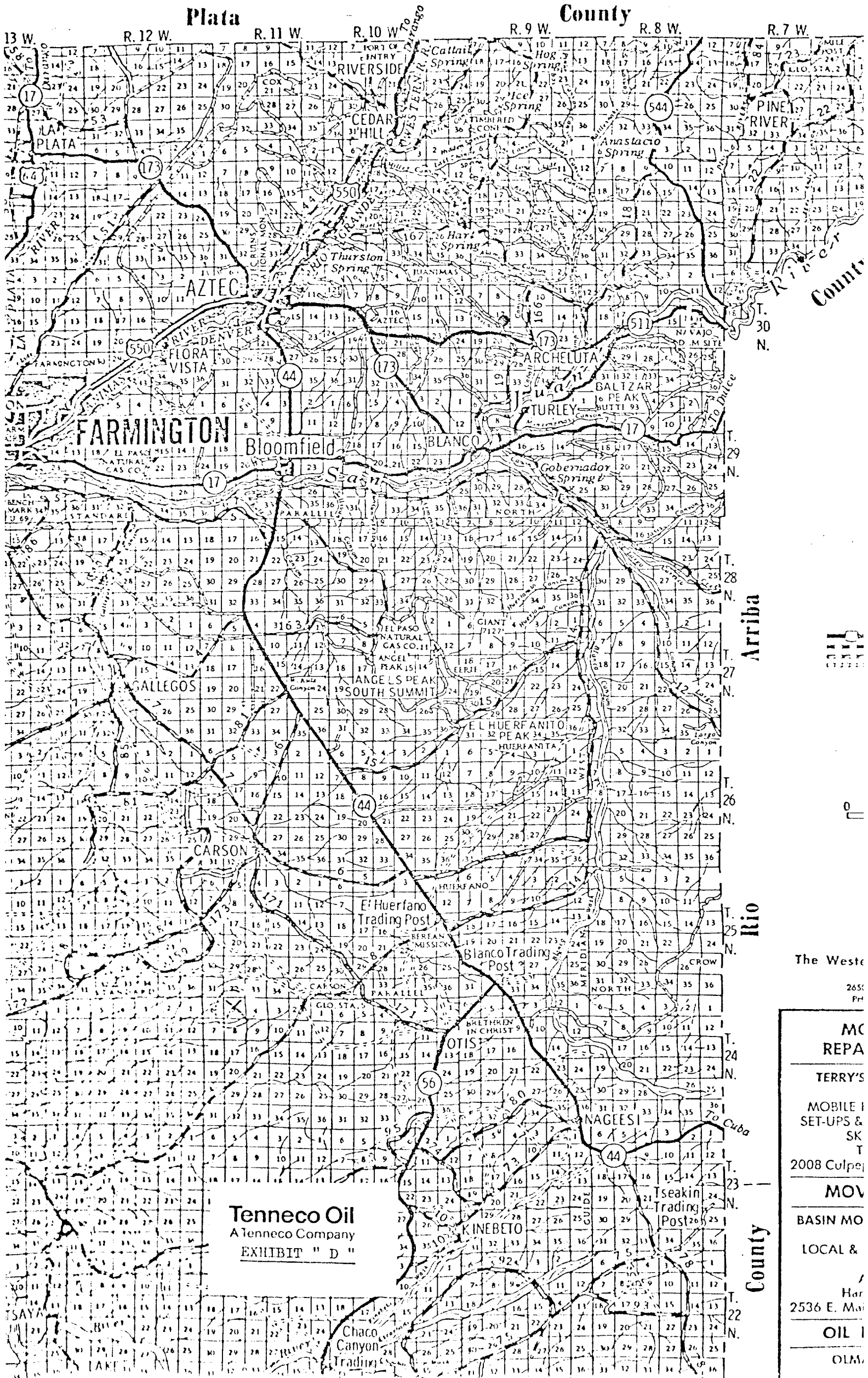
EXHIBIT "C"  
RIG LAYOUT FOR TENNECO OIL CO.  
Riddle 2A, 1450' FSL and 1450' FEL of Sec. 17, T30N,  
R9W, Lease SF-080244, San Juan County, New Mexico.

No tanks will be needed on these  
dry gas wells.

scale 1" = 50'

Plata

County



Tenneco Oil  
A Tenneco Company  
EXHIBIT " D "

The West

2650  
PH

MC  
REPA

TERRY'S

MOBILE I  
SET-UPS &  
SK  
T  
2008 Culpe

MOV

BASIN MO

LOCAL &

Har  
2536 E. Ma

OIL I

OLM

