

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☐C&S WELL ☒OTHER ☐SINGLE ZONE ☐MULTIPLE ZONE ☐

2. NAME OF OPERATOR

TENNECO OIL COMPANY

3. ADDRESS OF OPERATOR

1860 Lincoln St., Suite 1200, Denver, Colorado 80295

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

At surface

795 'FSL and 985 'FEL
Unit P

At proposed prod. zone

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

Turn SE of Hwy 17 on Canyon Largo Pipeline Rd. Take right hand fork then 1/2 mi. take left hand fork road to existing PC well

15. DISTANCE FROM PROPOSED*

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

16. NO. OF ACRES IN LEASE

+ 320

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

19. PROPOSED DEPTH

+4,761'

17. NO. OF ACRES ASSIGNED TO THIS WELL

E/+320

20. ROTARY OR CABLE TOOLS

Rotary

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

5748'GL

22. APPROX. DATE WORK WILL START*

May 21, 1977

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	+ 200'	Suff. to circulate to surface.
8-3/4"	7"	23#	+ 2451'	Suff. to cement to surface csg.
6-1/8"	4-1/2"	10.5#	+ 2251'-4761'	Suff. to cement to 7" csg.

1- The geologic name of this surface formation is (~~XXXXXXXXXXXX~~/Nacimiento)

2&3 Formation Tops (Estimated)

Pictured Cliffs	+	2,169	'Possible oil or gas producer
Cliff House	+	3,861	'Possible oil or gas producer
Menefee	+	4,081	'Possible oil or gas producer
Point Lookout	+	4,541	'Possible oil or gas producer
Mancos Shale	+	4,641	'

4- Run 9-5/8" OD, K-55 new casing to +200' and circulate cement to surface. Run 7" OD, 23#, K-55 new casing to +2451' and circulate cement up through the 9-5/8" csg. Run a 4 1/2" csg. Liner from 200' above bottom of 7" csg. to T.D. and circulate cement back to the top of 4 1/2" csg. Casinghead will be a 10" 900 series w/a 3000 psi. rating.

5- 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- We will use; spud mud from 0-+200'; Gel Chemical w/low solids as needed to maintain good hole conditions from +200'-+2451'; Compressed gas from +2451' to T.D..

7- Auxiliary Equipment

- Kelly cock will be in use at all times.
- Stabbing valve to fit drill pipe will be present on floor at all times.
- Mud monitoring will be visual, no abnormal pressures are anticipated in this area.
- Rotating head will be used when drilling with gas.

3- An AOF test will be taken at the completion of this well. No cores will be taken. Gamma Ray and Compensated Density logs will be run. Any other evaluation that may be necessary during the drilling of this well will be conducted as needed.

9- No abnormal pressures or temperatures are anticipated. See point #5 for blowout prevention equipment.

10- The drilling of this well will take approximately eight days. The gas is contracted to Southern Union Gathering Co.

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 location and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

A.P. Myers

TITLE

Div. Production Manager

DATE

2-16-77

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

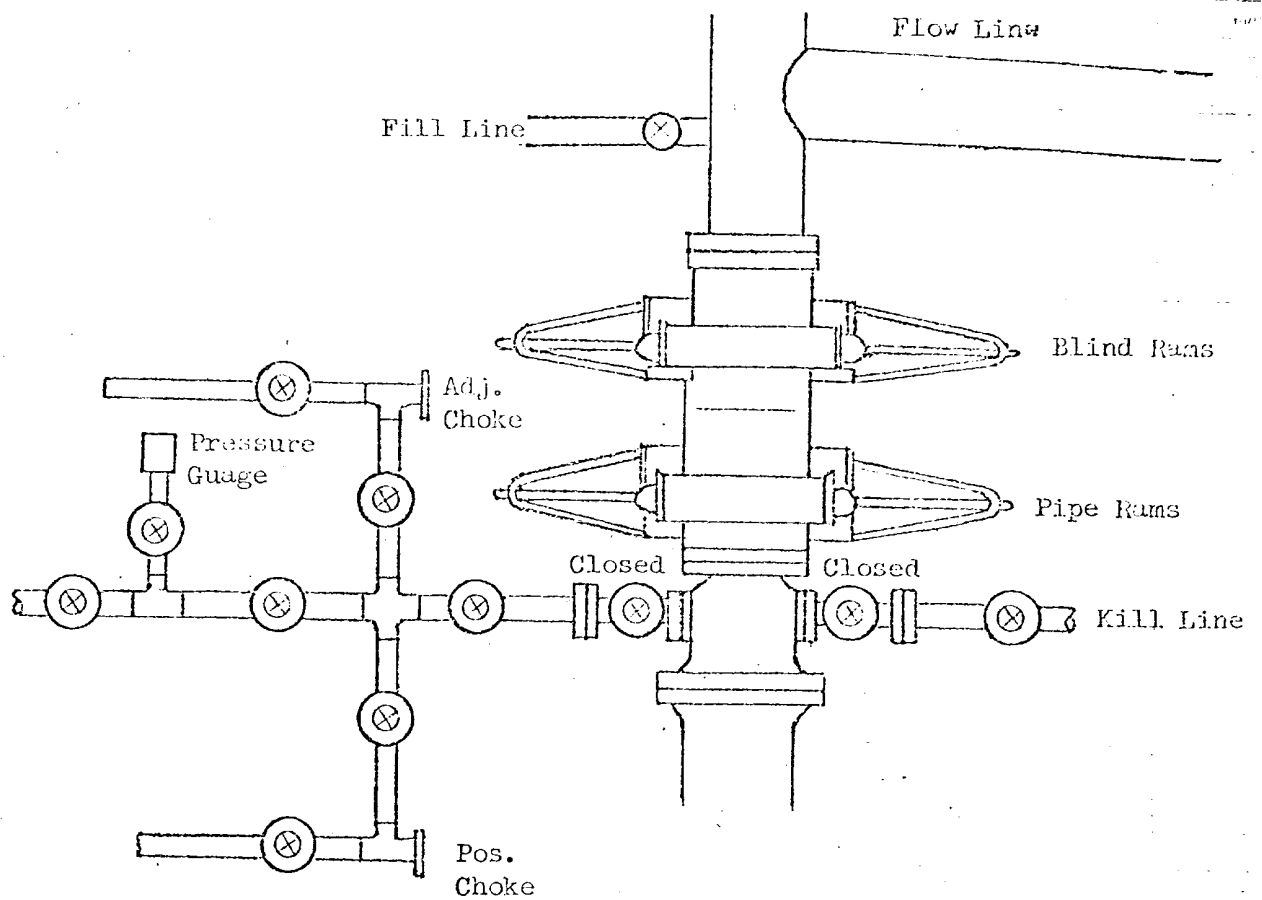
RECEIVED

DATE FEB 22 1977

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

NWU-12

*See Instructions On Reverse Side



All valves 2"

All BOPs, 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

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACERAGE DEDICATION PLAT**

All distances must be from the outer boundaries of the Section

Operator TENNECO OIL COMPANY			Lease FLORANCE		Well No. 1 - A
Unit Letter P	Section 35	Township 29 NORTH	Range 9 WEST	County SAN JUAN	
Actual Footage Location of Well: 795 feet from the SOUTH line and 985 feet from the EAST line					
Ground Level Elev. 5748	Producing Formation Blanco Mesa Verde		Pool Blanco Mesa Verde	Dedicated Acreage: 306.35 Acres E/320	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 One Lease If answer is "yes," type of consolidation

If answer is "no," list the owners and tract descriptions which have actually 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.

Name Ted J. Drake
 Position Production Analyst
 Company Tenneco Oil Company
 Date February 1977

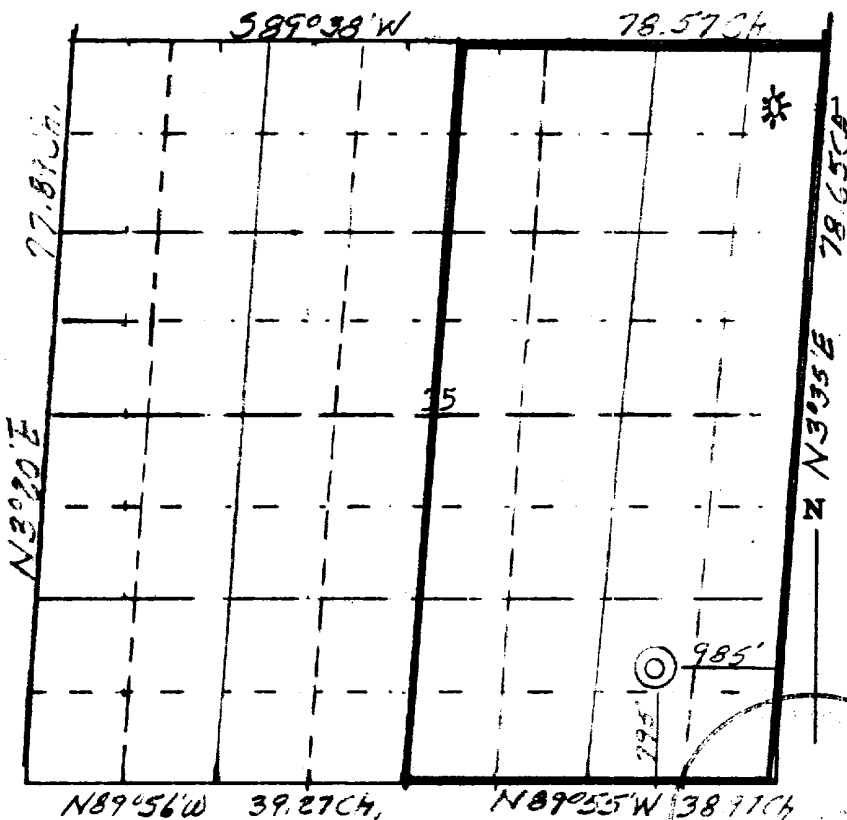
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me under my supervision, and that the same is true and correct to the best of my knowledge and belief.

6 February 1977

Date Surveyed _____
James P. Leese
 Registered Professional Engineer
 and/or Land Surveyor **James P. Leese**

1463

Certificate No. _____



NEW MEXICO
DIST. 3

1. Existing Roads:
 - a. See surveyors plat for actual staking.
 - b. The well site is located approximately 5 miles SE of Blanco Camp, N.M.
 - c. See Exhibit "B" for access roads.
 - d. Not applicable.
 - e. See Exhibit "B" for one mile radius road map.
 - f. Plan to construct 0 ' of 14' wide road to well site. We will construct water bars where necessary, and slope road through all arroyos.
2. Planned Access Roads:
 - a. See Exhibit "B".
 - b. Width=14'
 - c. No turnouts.
 - d. Drainage=Water bars will be constructed where required to prevent erosion.
 - e. Road will be cut into any arroyos and sloped across the bottom to maintain normal drainage. Cuts or fills will be kept to a minimum.
 - f. No gates or cattle guards are needed.
 - g. Road is center line flagged.
3. Location of Existing Wells.
 - a. See Exhibits "B" and "C" for well locations.
4. Location of Existing and/or Proposed Facilities.
 - a. See Exhibit "B" and "C". Lines are buried.
 - b. This is expected to be a dry gas well. If condensate is encountered, a 300 bbl steel tank painted green to match the surrounding area, will be set on a gravel base near the well as shown on Exhibit "A". A dirt bank will be erected around tank to contain any spills. The possible spill area will be fenced.
 - c. If well is productive, pits will be backfilled, leveled and reseeded as soon as practical to original contours.
5. Location and type of Water Supply
 - a. Water will be hauled from the San Juan River, or El Paso water wells.
 - b. Trucks will be used to haul water.
 - c. No water well will be drilled.
6. Source of Construction Materials
 - a. No construction materials will be used. Surface soil will be stockpiled.
 - b. We will not be getting any construction materials from Federal or Indian lands.
 - c. No construction materials will be used.
 - d. No access roads for construction materials will be needed.
7. Methods for Handling Waste Disposal
 - a. Cuttings will be disposed of in the reserve pit.
 - b&c Drilling fluids and produced water will be collected in the reserve pit and hauled away to an approved disposal system or a separate disposal application will be submitted. Any produced oil will be run to the tank (see 4:8)
 - d&e All detrimental waste will be hauled away, burned or buried with a minimum cover of 24" of dirt.
 - f. After the rig moves out, See 4:C. If unproductive, a dry hole marker will be installed and all pits will be filled, leveled and entire location reseeded to your specifications. Roads will be leveled and reseeded.
8. Ancillary Facilities
 - a. No camps or airstrips will be needed in the drilling of this well.
9. Well Site Layout.
 - a. See Exhibit "A".
 - b. Pits will be unlined.
10. Plans for Restoration of Surface.
 - a. See 4:C and 7:A-F
 - b. BIM SEEDING REQUIREMENTS IN THE FARMINGTON RESOURCE AREA

We will use seed mixture (XX, 2). A disc-type drill set for 8"-10" rows with two boxes for various seed sizes will be used. The seed will be drilled on the contour not less than $\frac{1}{2}$ " deep or more than 1" deep, followed by a drag, packer, or roller to compact and cover the seed adequately. Where slopes are too steep for contour drilling, a "cyclone" hand seeder or similar broadcast seeder will be used. Seed will then be covered by whatever means are practical. The following species in lbs. pure-live-seed per acre will be used:

SEED MIXTURE 1	SPECIES	SEED MIXTURE 2
2- $\frac{1}{2}$ lbs.	Smooth Brome (Bromus inermis)	
1 lb.	Nomad Alfalfa (Medicago sativa)	
$\frac{1}{2}$ lb.	Fourwing Saltbush (dewinged) (Atriplex canescens)	$\frac{1}{2}$ lb.
2- $\frac{1}{2}$ lbs.	Crested Wheatgrass (Agropyron desertorum)	3- $\frac{1}{2}$ lbs.
	Sand Dropseed (Sporobolus cryptandrus)	$\frac{2}{3}$ lb.
	Winterfat (Eurotia lanata)	$\frac{1}{3}$ lb.
	Alkali Sacaton (Sporobolus airoides)	$\frac{1}{3}$ lb.

- d. If any oil is on the pit, it will be removed or flagged.
- e. Rehabilitation operations will be done during the best weather conditions to promote regrowth in area. All seeding will take place between July 1 and Sept. 1

11. Other information.

- a. Site is located in a meadow with good topsoil adjacent to PC location. The vegetation is predominately grass and juniper.
- b. The surface is used for grazing, for wildlife.
- c. No open water, occupied dwellings, archaeological, historical or cultural sites will be disturbed by this location.

12- Operator's Representative.

- a. Field personnel who can be contacted concerning compliance of this Surface Use Plan are as follows: Darrell Brown, 1860 Lincoln, Suite 1200, Denver, Colorado 80295
Office 303-292-9920 ext. 254 Home 303-771-8297

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 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.

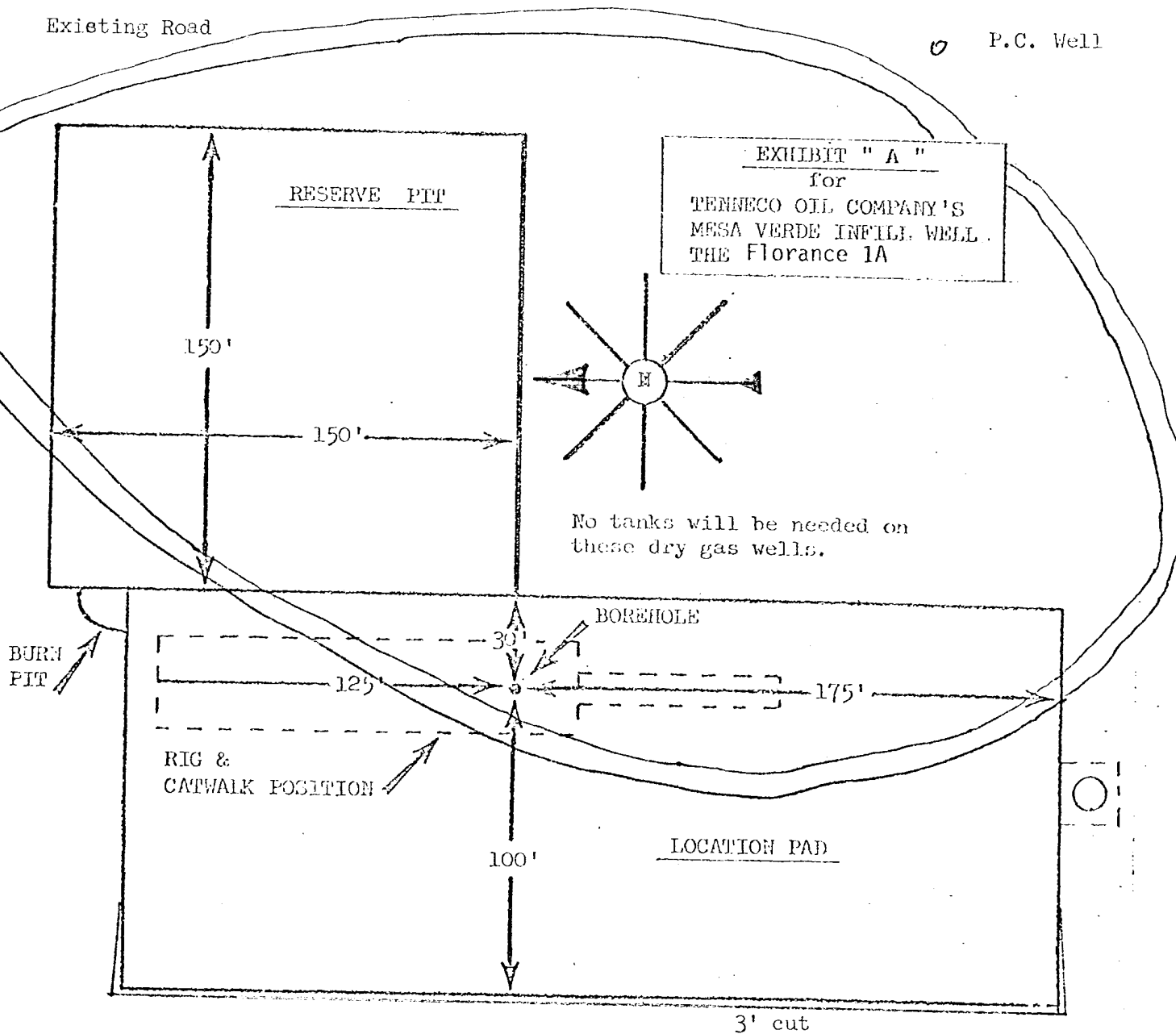
2-16-77
Date

D.E. Brown
D.E. Brown

Division Drilling Engineer

Existing Road

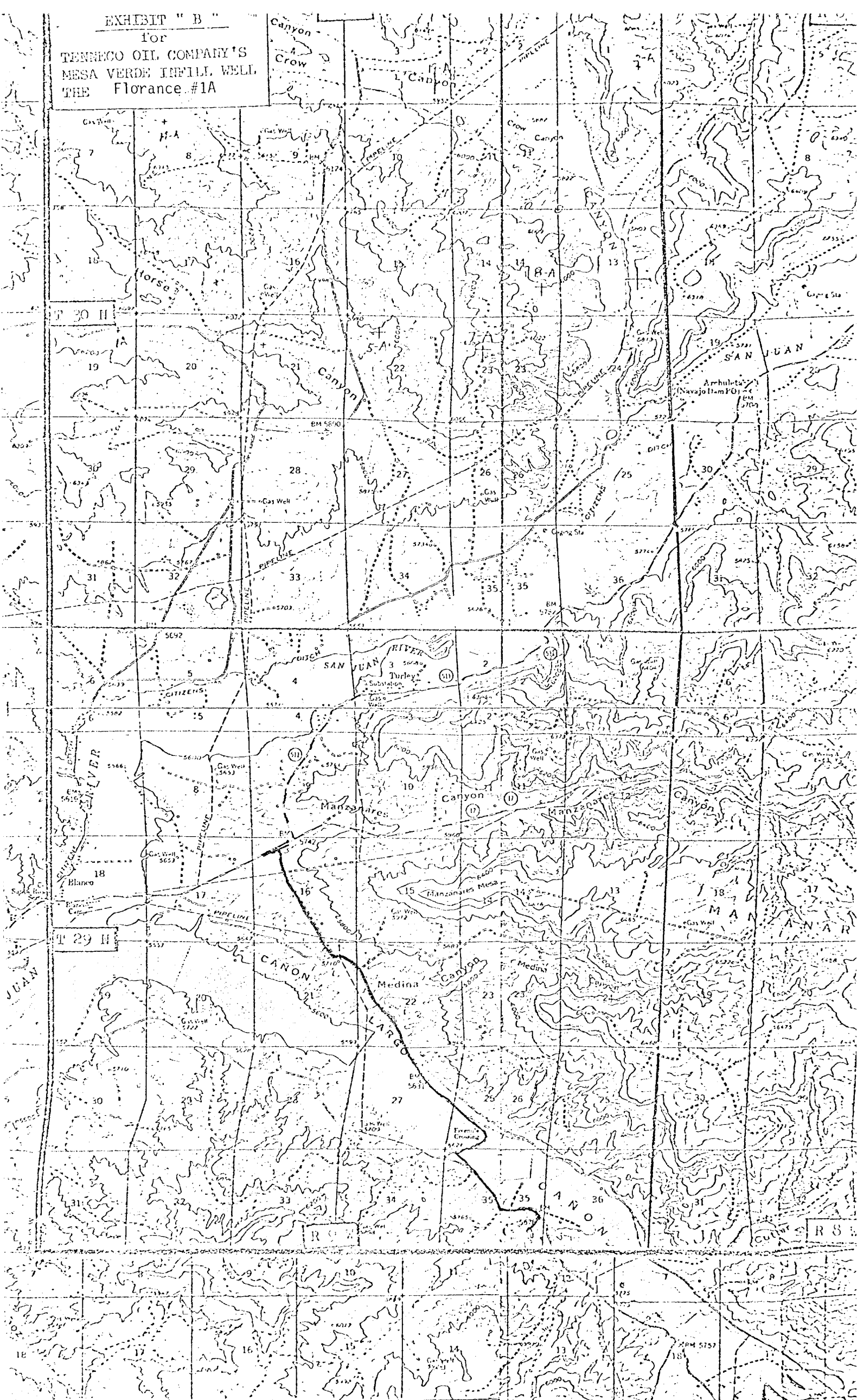
P.C. Well



SCALE: 1" = 50'

EXHIBIT " B "

for
TENNECO OIL COMPANY'S
MESA VERDE INFILL WELL
THE Florance #1A



R 9 W

R 8 W

EXHIBIT "C"

FOR

TENNOCO OIL COMPANY'S INFILL WELL
THE

GATHERING SYSTEMS

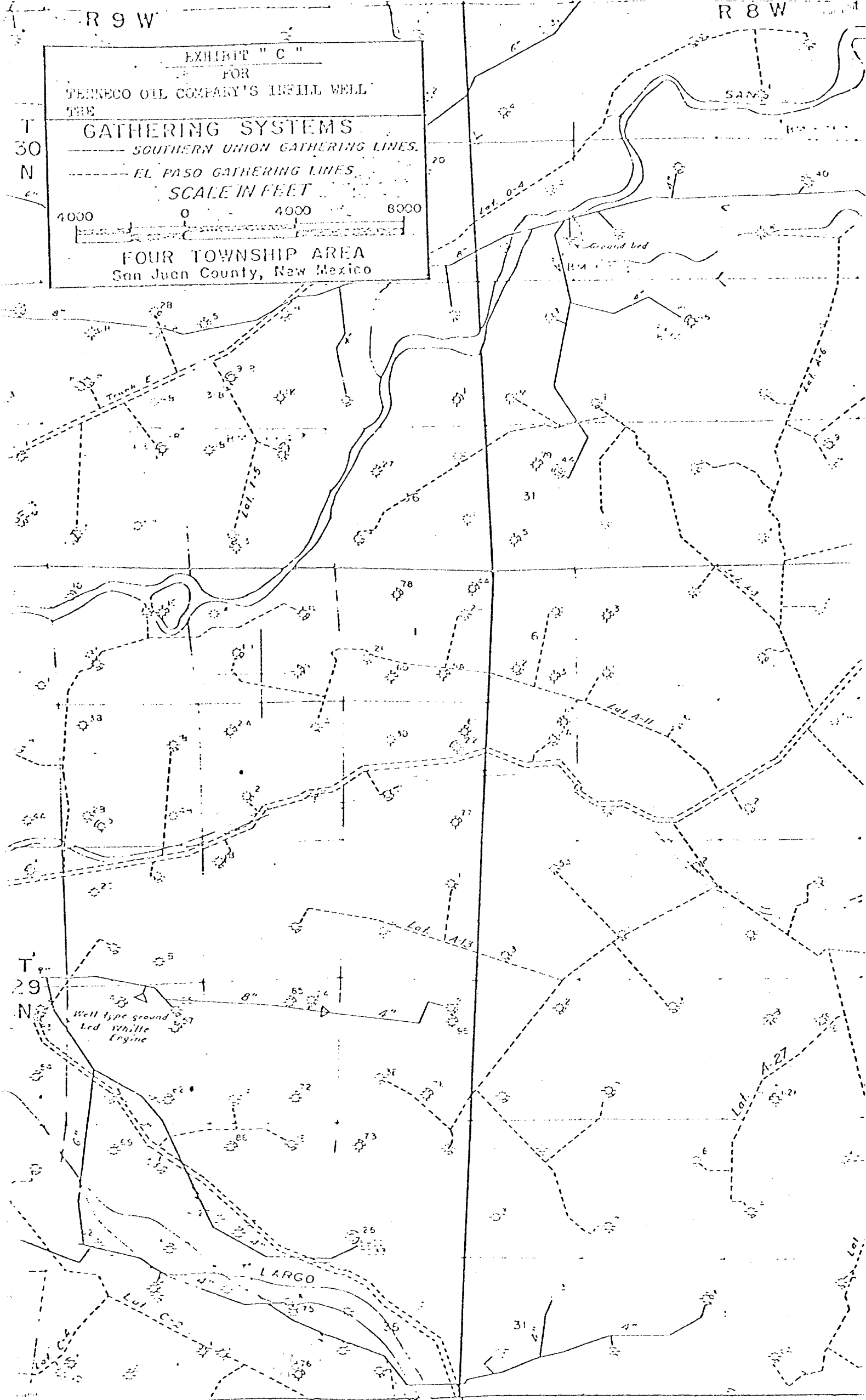
SOUTHERN UNION GATHERING LINES.

EL PASO GATHERING LINES.

SCALE IN FEET

4000 0 4000 8000

FOUR TOWNSHIP AREA
San Juan County, New Mexico



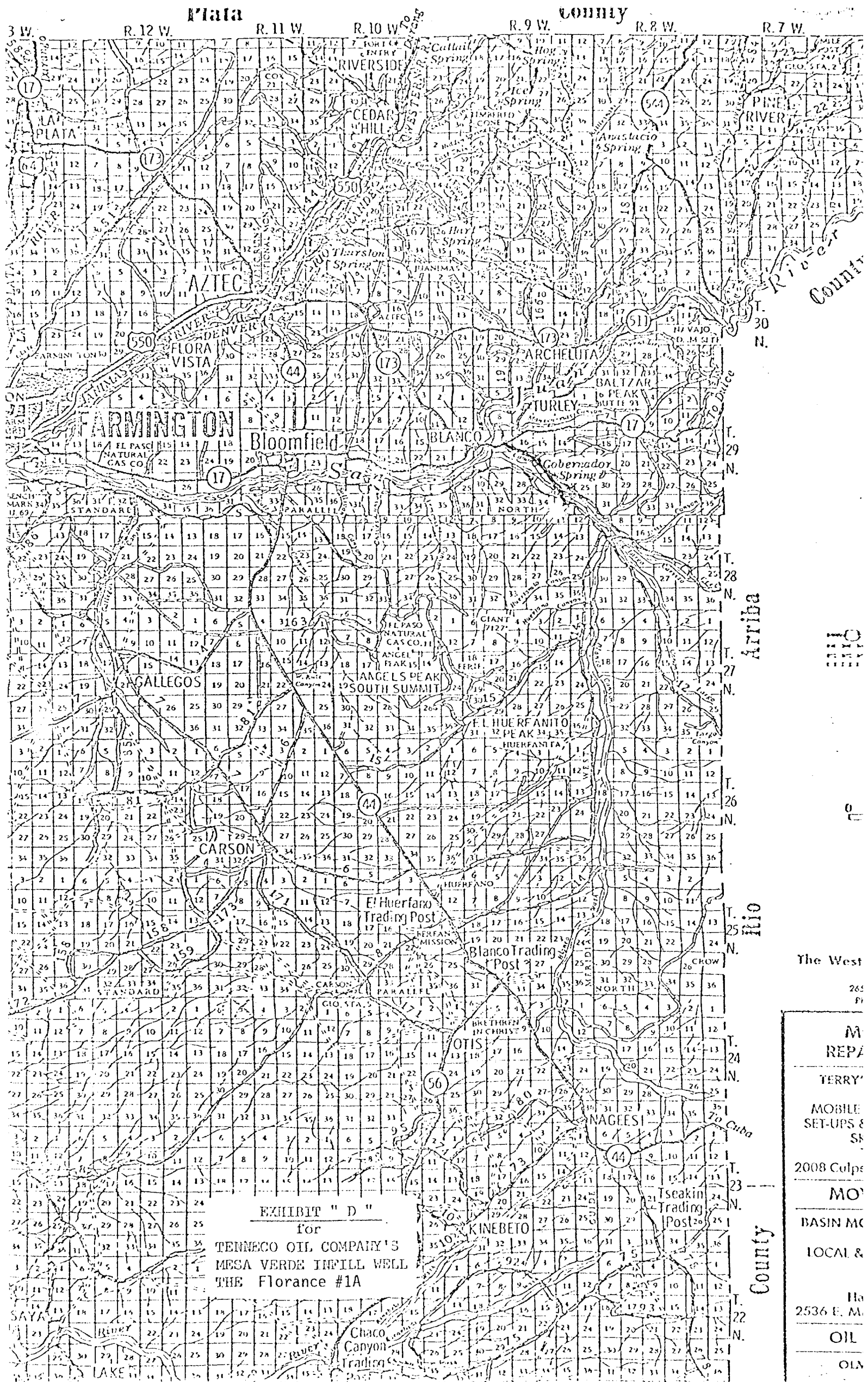
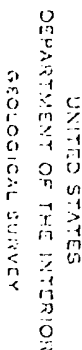


EXHIBIT " D "
for
TENNECO OIL COMPANY'S
MESA VERDE INFILL WELL
THE Florance #1A

The West
265
M
REPA
TERRY
MOBILE
SET-UPS &
S
2008 Culp
MO
BASIN MC
LOCAL &
Ha
2536 E. M.
OIL
OLA



TO ALL OPERATORS

Effective July 1, 1976, to comply with PSL-6, all operators drilling under federal supervision shall provide the following information on or with Form U-531C, "Application for Permit to Drill, Deepen, or Plug Back:

- CONDUCTED BY THE BUREAU OF THE ARMY

P. 0865

- the maintenance of existing roads

and showing all necessary access roads to be constructed or reconstructed, showing:

- (1) Name of the product
- (2) Manufacturer
- (3) Formulation
- (4) Dimensions
- (5) Location and size of culverts and brief description of any major cuts and fills
- (6) Strengthening material
- (7) Retention barriers, cast-in-places, or fence cuts
- (8) Plans and to be submitted if required

Two-mile radius map of exploratory, or 1-mile radius map of development well), showing and identifying existing:

- Location of Existing and/or Proposed Facility:

3. If new facilities are contemplated, in the event of production show:

- * States method of determining water supply on map of written description.

- A. Show information either on map or by written description

- (2) Drilling fluids

- (3) - Produced fluids (oil, water)
- (4) - Sewage
- (5) - Garbage and other waste material (Trash pits should be fenced with wall mesh with to prevent wind scattering trash before being buried or burned.)
- (5) Statement regarding proper cleanup of well site area when rig moves out

Locality and proposed camps and airstrips on a map as to their location, area required, and construction methods. (Camp number and airstrip number lines to be sketched on the ground.)

- location. All necessary stacking of facilities may be completed at time of field inspection. A completed summary of the

- (2) - segregation of spoils materials as needed; revegetation and rehabilitation - including access roads

- General description of:

- One who is responsible for assuring compliance with the approved surface use and operations plan.

3. Certification. The following statement is to be incorporated in the plan and must be signed by the lessee's or operator's field representative who is identified in item No. 12 of the plan:
- I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access routes 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 _____ and its contractors and sub-contractors will conform to this plan.

Date	Amount and Title
1941	100.00
1942	150.00
1943	200.00
1944	250.00
1945	300.00
1946	350.00
1947	400.00
1948	450.00
1949	500.00
1950	550.00
1951	600.00
1952	650.00
1953	700.00
1954	750.00
1955	800.00
1956	850.00
1957	900.00
1958	950.00
1959	1000.00
1960	1050.00
1961	1100.00
1962	1150.00
1963	1200.00
1964	1250.00
1965	1300.00
1966	1350.00
1967	1400.00
1968	1450.00
1969	1500.00
1970	1550.00
1971	1600.00
1972	1650.00
1973	1700.00
1974	1750.00
1975	1800.00
1976	1850.00
1977	1900.00
1978	1950.00
1979	2000.00
1980	2050.00
1981	2100.00
1982	2150.00
1983	2200.00
1984	2250.00
1985	2300.00
1986	2350.00
1987	2400.00
1988	2450.00
1989	2500.00
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2002	3150.00
2003	3200.00
2004	3250.00
2005	3300.00
2006	3350.00
2007	3400.00
2008	3450.00
2009	3500.00
2010	3550.00
2011	3600.00
2012	3650.00
2013	3700.00
2014	3750.00
2015	3800.00
2016	3850.00
2017	3900.00
2018	3950.00
2019	4000.00
2020	4050.00
2021	4100.00
2022	4150.00
2023	4200.00
2024	4250.00
2025	4300.00
2026	4350.00
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2030	4550.00
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2032	4650.00
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2070	6550.00
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2072	6650.00
2073	6700.00
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2075	6800.00
2076	6850.00