



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

TONY ANAYA  
GOVERNOR

July 15, 1983

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-5800

Tenneco Oil Exploration and Production  
Western Rocky Mountain Division  
P.O. Box 3249  
Englewood, CO 80155

Attention: P. A. Doyle

IPF-341  
3-031-20258

Re: Tenneco South Hospah Unit  
Well No. 18 - Step Rate  
Test, Unit G, Sec. 12, T-17N,  
R-9W

Dear Mr. Doyle:

I reviewed your request for an increase in the maximum surface injection pressure for the above referenced well. A review of your step-rate test indicates a surface formation fracture pressure of 535 psi. This pressure has also been verified and recommended by our Aztec district office. Based on our District's recommendation, you are therefore allowed to increase the surface injection pressure to a maximum of 535 psi.

Any future injection pressure increase requests must also be confirmed by a step-rate test. Results of the test should be forwarded to the Santa Fe Division office. The OCD district office should be contacted prior to any testing so an inspector may witness the test.

Should you have any questions concerning this order, please forward to me at (505) 827-5807.

Sincerely,

*Gilbert P. Quintana*

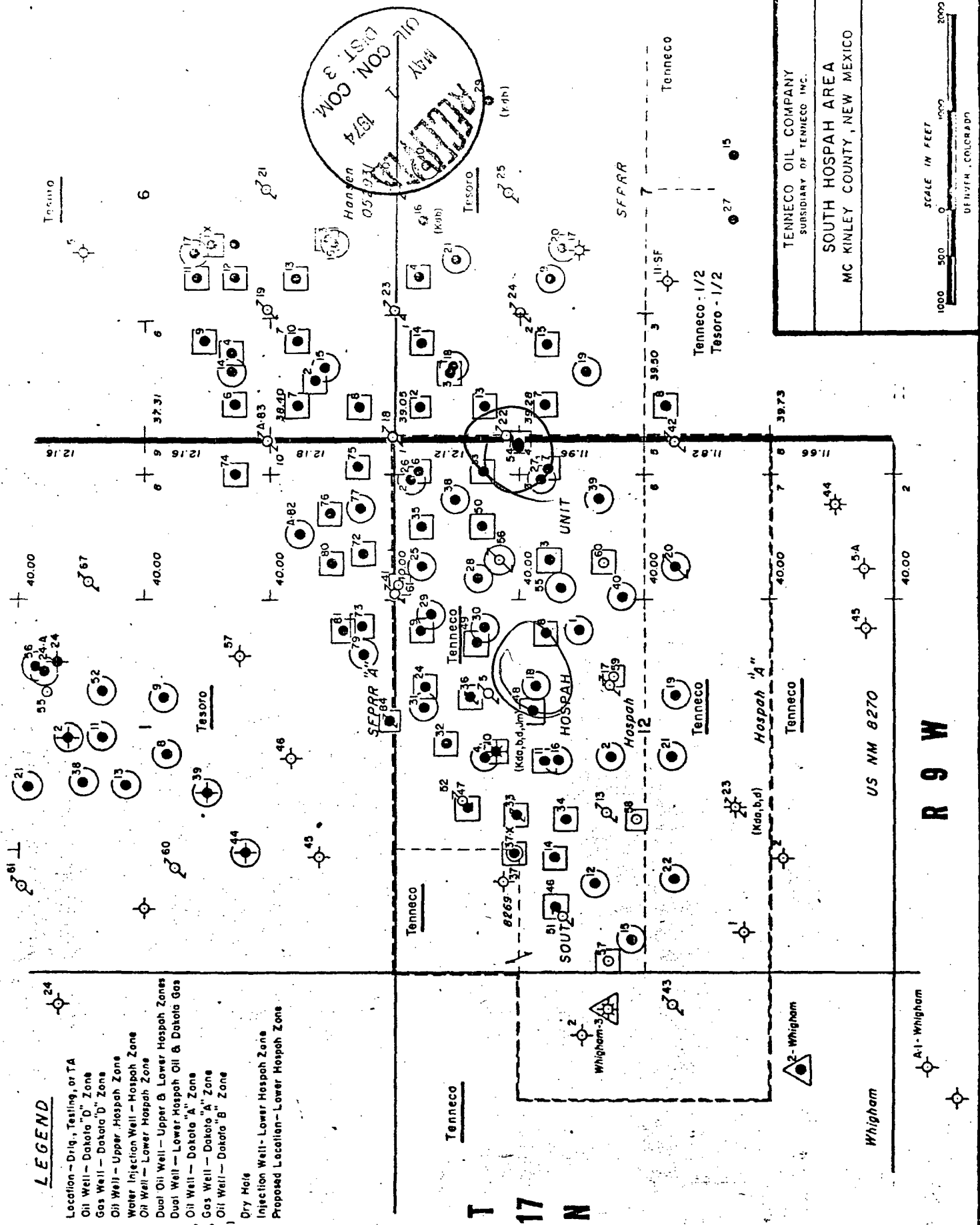
GILBERT P. QUINTANA  
Petroleum Engineer

GPQ/dp

cc: JOE D. RAMEY  
Aztec District Office  
WFX-511 File

# LEGEND

- Location - Drilg., Testing, or TA
- Oil Well - Dakota "D" Zone
- Gas Well - Dakota "D" Zone
- Oil Well - Upper Hospah Zone
- Water Injection Well - Hospah Zone
- Oil Well - Lower Hospah Zone
- Dual Oil Well - Upper & Lower Hospah Zones
- Dual Well - Lower Hospah Oil & Dakota Gas
- Oil Well - Dakota "A" Zone
- Gas Well - Dakota "A" Zone
- Oil Well - Dakota "B" Zone
- Dry Hole
- Injection Well - Lower Hospah Zone
- Proposed Location - Lower Hospah Zone



TENNECO OIL COMPANY  
SUBSIDIARY OF TENNECO INC.

SOUTH HOSPAH AREA  
MC KINLEY COUNTY, NEW MEXICO

SCALE IN FEET  
0 500 1000 2000  
OF NEW MEXICO, COLORADO

US NM 8270

R 9 W

T 17 N

-3-

CASE No. 3660

Order No. R-3325

10/4/67

200 feet to another well drilling to or capable of producing from the same pool;

PROVIDED FURTHER, that a 40-acre proration unit in the South Hospah Upper Sand Oil Pool or the South Hospah Lower Sand Oil Pool shall be subject to a 40-acre unit allowable for wells in the South Hospah Upper Sand Oil Pool or South Hospah Lower Sand Oil Pool, whichever is applicable, regardless of the number of wells on the unit.

(2) That the applicant is hereby authorized to institute a waterflood project in the South Hospah Upper Sand Oil Pool on its Hospah and Hospah "A" Leases by the injection of water into the Upper Sand through the following-described wells in Section 12, Township 17 North, Range 9 West, NMPM, McKinley County, New Mexico:

OPERATOR	LEASE	WELL NO.	LOCATION
Tenneco	Hospah	To be drilled	SW/4 NE/4 NE/4
Tenneco	Hospah	5	SW/4 NW/4 NE/4
Tenneco	Hospah	To be drilled	SW/4 SE/4 NW/4
Tenneco	Hospah	To be drilled	SW/4 SW/4 NE/4
Tenneco	Hospah	To be drilled	SW/4 SE/4 NE/4

#18

(3) That the subject waterflood project is hereby designated the Tenneco South Upper Hospah Waterflood Project and shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

(4) That monthly progress reports of the waterflood project herein authorized shall be submitted to the Commission in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

(5) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

DAVID F. CARGO, Chairman

GUYTON B. HAYS, Member

A. L. PORTER, Jr., Member & Secretary

S E A L

esr/