

Suite 1200 Lincoln Tower Building Denver, Colorado 80203 (303) 292-9920



March 16, 1973

New Mexico Oil Conservation Commission P. O. Box 2088

Santa Fe, New Mexico 87501

ATTN: Mr. Dan Nutter

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RE: Case 4793-Order No. R-4389

Expansion of Project Area Hospah, South-Lower Sand (Tenneco Lower Hospah

Pressure Maintenance) Pool

Gentlemen:

Tenneco Oil Company respectfully requests administrative approval to expand the Lower Hospah Pressure Maintenance Project, in accordance with Rule 10 of Order No. R-4389.

The expansion is to include the injection of produced water into Tenneco's Whigham No. 2 well, located 990' FSL & 990' FEL, Section 11, T17N & R9W, McKinley County, New Mexico.

The following are submitted in support of this application:

- A plat showing the location of the proposed injection well, all wells within the project area, and the location of the only additional offset operator, Tesoro Petroleum Corporation.
- 2) A schematic diagram of the proposed injection well.
- 3) A log section of the proposed injection zone (Lower Hospah @ 1872'-1966').
- 4) A prognosis of the conversion procedure.

Tesoro will be notified by receiving a copy of this application, along with the supporting data.

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TENNECO OIL COMPANY

Mr. Dan Nutter March 16, 1973 Page 2

Tenneco requests your early consideration and approval of this application.

Yours very truly,

TENNECO OIL COMPANY

R. A. Williford

District Production Manager

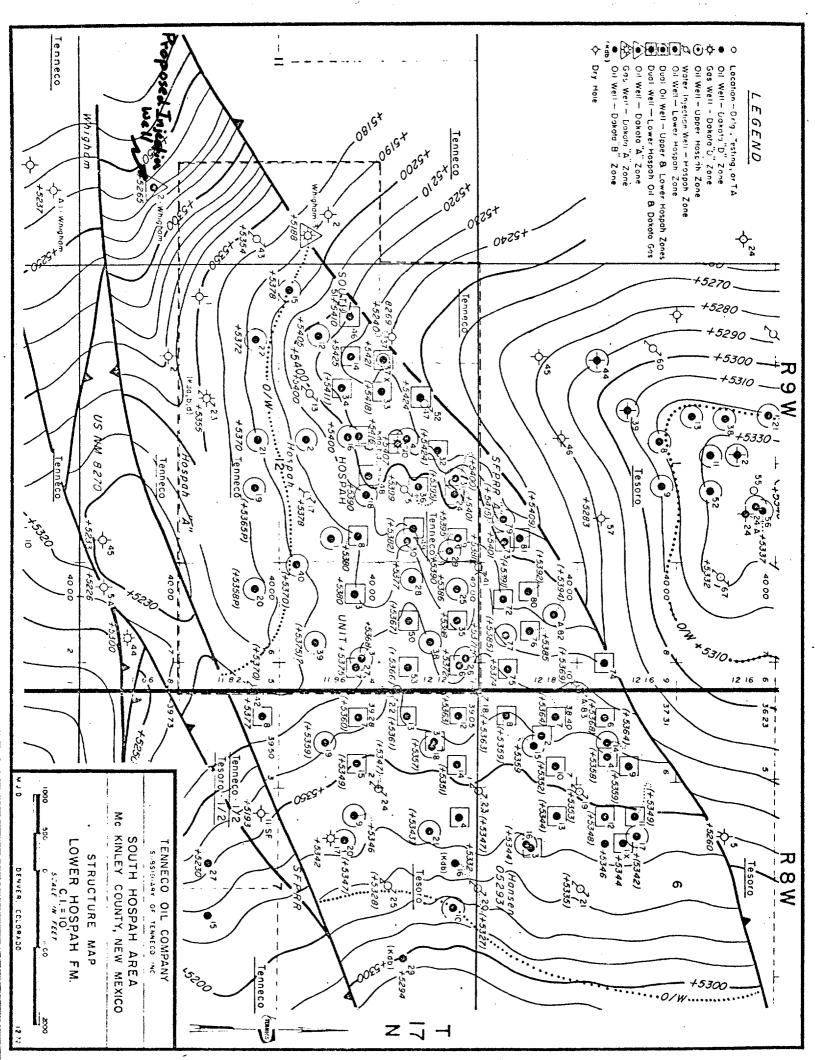
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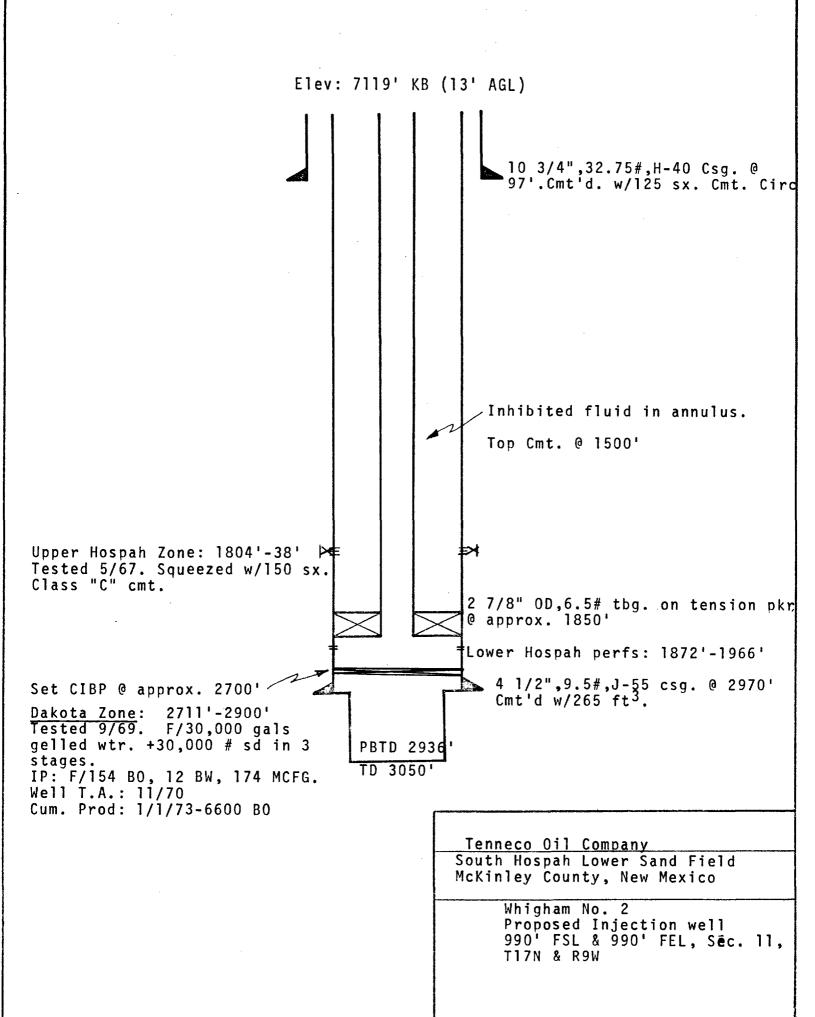
Attachments

cc: Mr. Emery C. Arnold-NMOCC-Aztec, N.M.

Mr. Harvey Ashford-Tesoro-Denver, Colo. C. W. Nance-Tenneco-Rocky Mountain Division

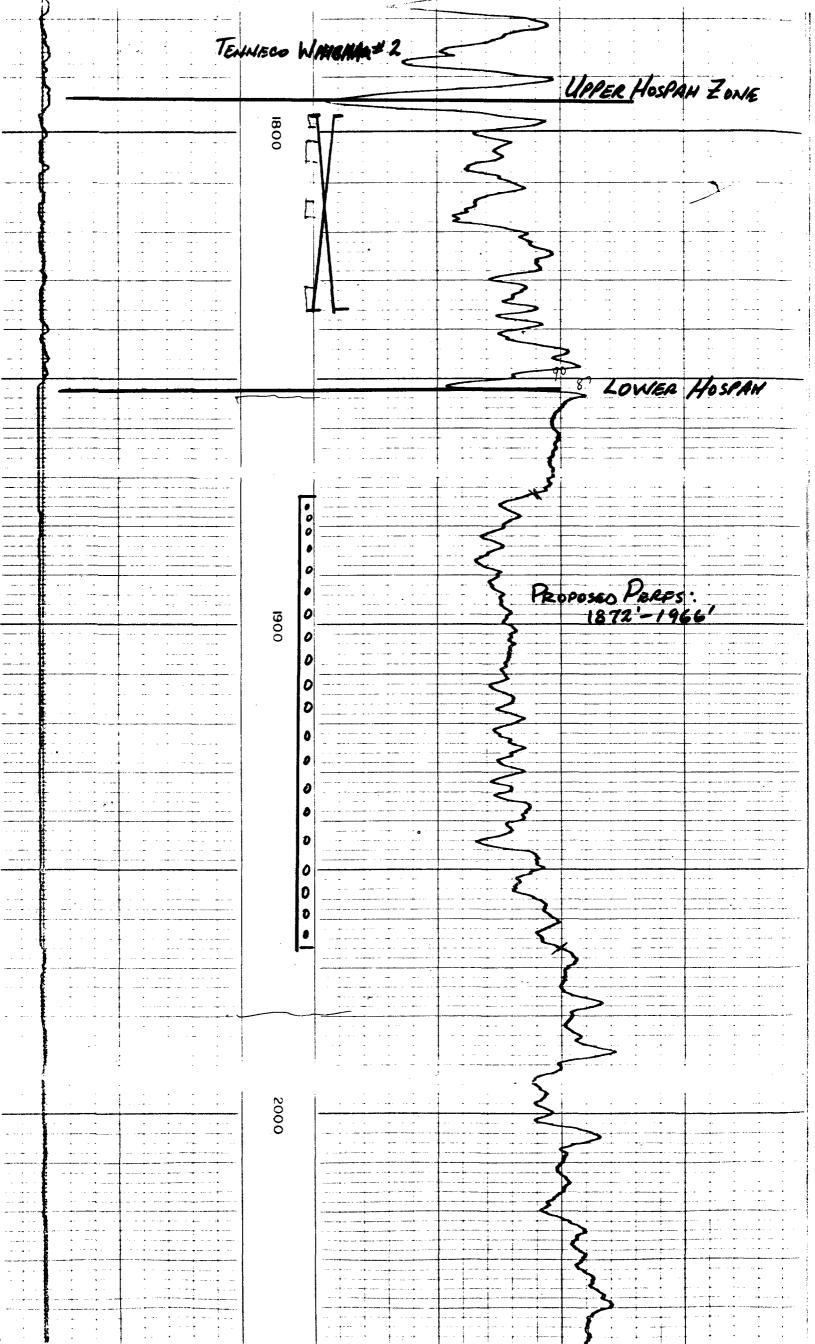
C. W. Nance-Tenneco-Rocky Mountain Division Mr. Harold Vaghtborg-Tesoro-San Antonio, Texas

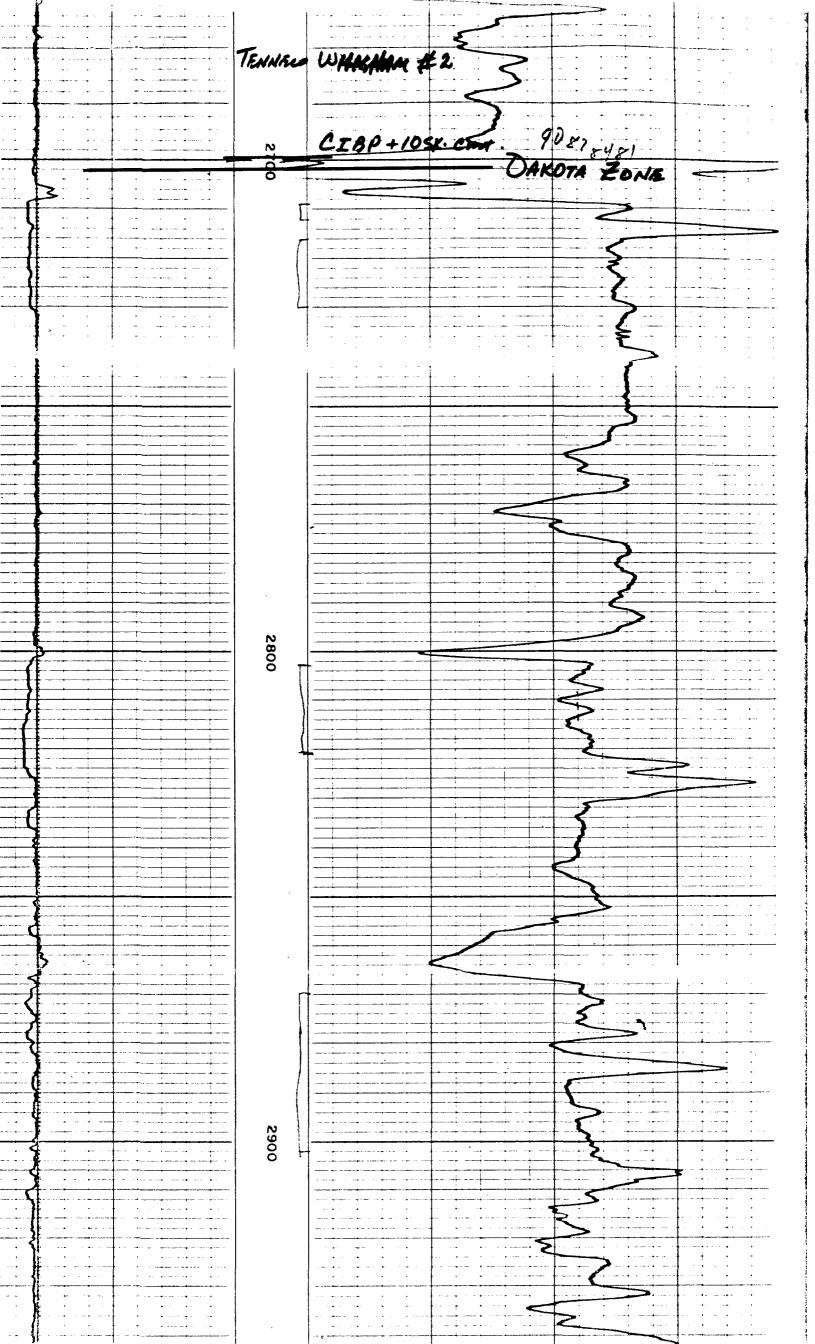




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SONDE No. 316D TION: BACKGND. SOURCE CPS. CPS. RAY:	DIVISIONS	SENS. TAP (FOR CAL.) 1,0	(RECORD)	CONST.	RECORD SPEED (FT.		
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		180 50					





WIGHAM NO. 2 INJECTION WELL CONVERSION PROCEDURE

- 1. Unseat pkr. & pull out of hole. Redress pkr. & rig for 2 7/8" 0.D. NUE tbg.
- 2. Set CIBP @ 2700' & dump 10 sx. cmt on top.
- Load hold w/ fresh water containing 2% KCL & 1 gal. "Addmail"/1000 gals.
- 4. Spot 15% LSTNE acid from 1966'-1850' (150 gals.) & lay down 2 3/8" tbg. - Pick up 2 7/8" NUE, 6.5#, J.55 tbg. w/turned down collars, internally plastic coated.
- 5. Perforate 4 1/2" csg. @ 1872'-1966' (Lower Hospah Zone) w/l CJSPF (0.45" Hyper set or equiv.) Total of 94 holes.
- 6. Treat w/1000 gals 15% LSTNE acid.
- 7. GIH w/ 2 7/8" NUE tbg. & re-dressed "Lok-Set" pkr.
- 8. Set pkr. @ 1850' # & load backside w/inhibited water.
- 9. Put well on injection.