of the earlier submittal.

#### III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:
  - Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
  - (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
  - (3) A description of the tubing to be used including its size, lining material, and setting depth.
  - (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.
  - (1) The name of the injection formation and, if applicable, the field or pool name.
  - (2) The injection interval and whether it is perforated or open-hole.
  - (3) State if the well was drilled for injection or, if not, the original purpose of the well.
  - (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
  - (5) Give the depth to and name of the next higher and next lower oil or gas zore in the area of the well, if any.

#### XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells:
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

# Memo

From
Gilbert P. Quintana
Petroleum Engineer

50 File / WFX-

Conversations with Alex Medican on 4/20/83 at @ 11:00 A.M. indicate he will send me proof of affect producer notification within the next few days, Approval of the application is contingent on him providing this information.

Also, le indicates wells No. 77 \$ 79 offisetting to the north of the lease are wells drilled prior to institution of the subject waterflood and should be included in the original order.

Oil Conservation Division P.O. Box 2088

Santa Fe, New Mexico 87501

### FORM C-108 APPLICATION FOR AUTHORIZATION TO INJECT

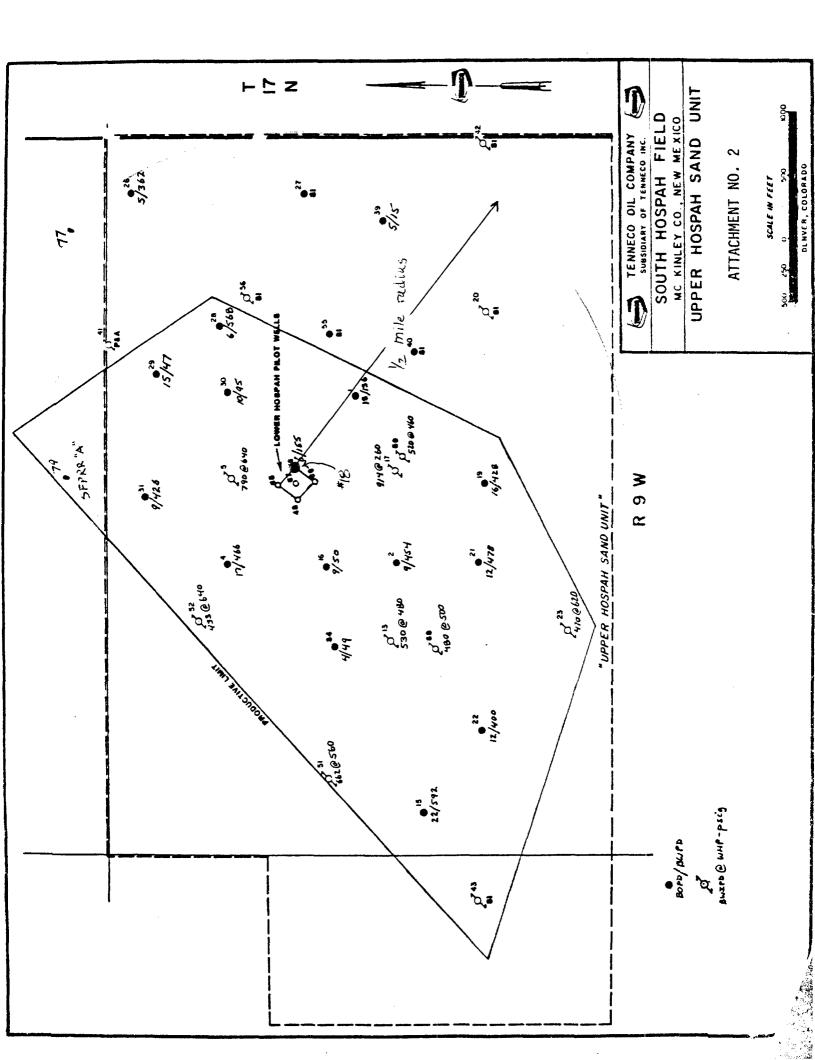
VII. 1. Proposed average and maximum daily rate of fluids to be injected:

Proposed average daily rate: Initially, to be limited to 25 BWIPD. Maximum daily rate = 1200 BWIPD

- 2. System is to be closed.
- 3. Average Inj. pressure = 650 psi.

Maximum Inj. pressure = 800 psi.

- 4. Injection fluid will be produced water.
- 5. This well is not for disposal purposes.
- IX. Stimulation program will initially consist of nothing, but at a later date Hospah #18 may be stimulated w/some MCA.
- XII. Not applicable.



### INJECTION WELL DATA SHEET

Tenneco Oi	1 E&P	Upper Hospa LLASC	ih		
18 147 WELL NO.	75 FNL, 3055 FWL FOOTAGE LOCATION		17N	SHIP	9W RANGE
		2201.011	10111		
Schem	atic .				· · · · · · · · · · · · · · · · · · ·
177	<del>TT</del> i·		<u>Tabular Data</u>	•	
		Surface Casing	1151		F.O.
		Size 7-7/8" (26#			
59'		TOC			
	-	Hole size 9-7	7/8"		
		Intermediate Casi	<u>ng</u>		
.		Size	" Ceme	nted with	
.  -		TOC	feet deter	mined by	
		Hole size		<del></del>	
		Long string			
	23/0"	Size $4-1/2$ " (10	).5#/rft) Cemer	nted with	200
		TOC	feet deter	nined by	
.		Hole size	6-3/4"	<del></del>	•
		Total depth	1729 '	<u> </u>	
		Injection interval	l		
		1554f	et to159	6	feet
		(perforated or ope	•	e which)	
• •		1554-56' 1558-60'	4 JSPF		
		1562-68' 1572-76'	11 11		
er AD1		1580-83'	11 11		
X X	15001	1586-96'	" آآ	عائي تعارزه	177 <b>775</b>
	. 3 - 3 - 3			76-11-76-5	617/69
			][	MAR 0	7 1983
	·	-	G <sub>i</sub> :	L CONSERVA	TION DIVISION
729'	PBTD @ 1675"	. ,		SANT	TA FE
	-				
Tubina mina	2-3/8"	inad with			set in a
		ined with(		15001	<del></del>
Baker Mode	nd and model)	sion pack	er at	1500,	feet
(or describe	any other casing-tu	bing seal).			·
Other Data					
	the injection format				
		plicable) South Hospah-		<del></del>	
		or injection? /// Yes	<del></del>		,
If no, f	or what purpose was	the well originally dri	lled? <u>Product</u>	10n ot oi	<u> </u>
			/-\2 + : - + · · ·	aab =	noted 3-4
4. Has the and give	well ever been perfo plugging detail (sa	rated in any other zone cks of cement or bridge	(s)? List all plug(s) used)	such perfo Yes, perfo	rated interva orated as
follows:	1622-1634 w/4 JSF	PF. Cement retainer @	1610'. Squee	zed lower	perfs w/50
Class "B	" cmt.				
5. Give the	depth to and name o	f any overlying and/or 1600'). Lone Pine Dak	underlying oil	or gas zon	es (pools) in
inis er <b>e</b> :	a. Lower Hospan (.	LOUG /. LOHE FINE Dak	.o.u (-2000 )		······································

Prepared by AMM

WF76-511

# Tenneco Oil Exploration and Production

A Tenneco Company

Western Rocky Mountain Division P.O. Box 3249 Englewood, Colorado 80155 (303) 740-4800

Delivery Address: 6061 South Willow Drive Englewood, Colorado

June 30, 1983

State of New Mexico Oil & Gas Conservation Commission Santa Fe District Office P. O. Box 2088 Santa Fe, New Mexico 87501

Attention: Mr. Gilbert Quintana

Re: Hospah #18

Gentlemen:

We have enclosed a copy of the proof of publication concerning water injection for the above-referenced well. The offset operator has been notified. A copy of our Certified Mail receipt is also enclosed.

If you need additional information, please contact this office.

Very truly yours,

TENNECO OIL GOMPANY

John Orr

Production Analyst

JWO:csh

Enclosure



OIL CONSERVATION DIVISION

SANTA FE

( WFX - 511 )

## Affidavit of Publication

STATE OF NEW MEXICO,					
) ss COUNTY OF McKINLEY					
Linda William	S				
oath, deposes and says:			being o	luly swor	n upon
·					
As <u>legal clerk</u>	<del></del>			of the	
Independent, a newspaper publishe McKinley County, New Mexico, an affiant makes this affidavit based up sworn to. That the publication, a callished in said newspaper during the notice was published in the newspaper	id in the C pon persona copy of wh e period ar	ity of ( al know ich is h nd time	Gallup, the ledge of the ereto atta of public	erein: the the facts ached wa cation a	nat this herein as pub- nd said
one time		the firs	st publication being on the		
4 day of			•	-	
second publication being on the					_day of
	, 19		the t	hird pub	lication
on thed	lay of		,	19	
and the last publication being on the					_day of
	.19				
That such newspaper, in whi lished, is now and has been at all ti purpose, and to publish legal notic of Chapter 12, of the statutes of the	ich such no mes materia es and adv	otice or al hereto ertisem ew Mex	advertise o, duly qu ents with ico, 1941	ialified foi in the m compila	or such leaning tion.
Sworn and subscribed to befor	re me this	9			day of
June	_, A.D., 19	83			- Juy VI
Į.	mary	aus	1.m.	Tali	che
	//		Notar	y Public.	

My commission expires

8-27-85

### LEGAL NOTICE

NOTICE OF PUBLICATION STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION SANTA FE, NEW MEXICO

NOTICE: To all persons having any right, title, interest or claim in the following:

Pursuant to the Rules and Regulations of the New Mexico Oil Connervation Division. Tenneco Oil Company, hereby gives public notice that it has applied to the Division for an Administrative Order approving Salt Water Injectin well for its Hospah Waterflood Project as follows:

Township 17 North, Range 9 West, Section 12: Unit G; Hospah #18 Well: McKinley County, New Mexico; as water injection well in the South Hospah Upper Sand formation at a depth of about 1554-1596 formation at a depth of a depth

Any interested party must file objections or requests for hearing with the ôil Conservation Division, P.O. Box 2008, Santa Fe, New Mexico 87501, within fifteen (15) days of the date of publication of this notice.

KELLAHIN & KELLAHIN Attorneys at Law P.O. Box 2365 Santa Fe, New Mexico 87504-2265 (505) 982-4285

ATTORNEYS FOR TENNECO OIL COMPANY

Legal #9663 Published in the Gallup Independent Saturday, June 4, 1963.



	Hospah #18						
'S Form 3611, Oec.	SENDER: Complete items 1, 2, 3, and 4.     Add your address in the "RETURN TO" space on reverse.						
ွ်စ္တ	(CONSULT POSTMASTER FOR FEES)						
1980	1. The following service is requested (check one).						
ί, ΄	☐ Show to whom and date delivered¢						
Ġ.	Show to whom, date, and address of delivery						
5 24, 24	2. RESTRICTED DELIVERY  (The restricted delivery fee is charged in addition to the return reseipt fee.)						
	TOTAL \$						
Ŷ	3. ARTICLE ADDRESSED TO:						
₽	Tesoro Petroleum Corp.						
RETURN	Box 2369						
2	Farmington, NM 87401						
· R	4. TYPE OF SERVICE: ARTICLE NUMBER						
RECEIPT,	☐ REGISTERED ☐ INSURED ☐ COD ☐ P 269 935 897						
7	EXPRESS MAIL						
6	(Always obtain signature of addressee or agent)						
9	I have received the article described above.						
Ä	SIGNATURE Addressee Authorized agent						
REGISTERED, INSURED	David L. C. llis						
8	DATE OF DELIVERY POSTMARK						
ED	14-26-83						
DNA	6. ADDRESSEE'S ADDRESS (Only if requested)						
D CERTIFIED	(z( 1.035))						
IFIED MAI	7. UNABLE TO DELIVER BECAUSE:						





### STATE OF NEW MEXICO



### ENERGY AND MINERALS DEP

OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD OIL CONSFERVATION (505) 334-6178

SANTA FE

OIL CONSERVATION DIVISION BOX 2088 SANTA FE, NEW MEXICO 87501 DATE 3-23-83 RE: Proposed MC Proposed DHC

> Proposed NSL Proposed SWD Proposed WFX Proposed PMX

FILE WFX-511

Gentlemen:		
I have examined the applic	ation dated $3-8-83$	
for the Tenneco Operator	Lease and Well No.	G-12-17N-9W Unit, S-T-R
and my recommendations are	as follows:	
Approve with mo	eximum injection pressure	of 311 psi
	J 7	
Yours truly		