	STALE UF	NEW	MEXICU
ENERGY	AND MINE	RALS	DEPARTMENT

DIL CONSERVATION DIVISION POST OFFICE BOX 2088 BTATE LAND OFFICE BUILDING BANTA FE, NEW MEXICO 8/501

FURM C-108 Revised 7-1-81

APPLICATION FOR AUTHORIZATION TO INJECT

Ι.	Purpose: Secondary Recovery X Pressure Maintenance Disposal Storage Application qualifies for administrative approval? X yes no
11.	Operator: American Petrofina Co. of Tex.
	Address: P. O. Box 2990 Midland, TX 79702
	Contact party: J. C. Chapman Phone: (915) 687-0575
111.	Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
IV.	Is this an expansion of an existing project? 🚺 yes 🔲 no If yes, give the Division order number authorizing the project <u>R-3456</u> .
۷.	Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
vī.	Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
VII.	Attach data on the proposed operation, including:
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
VIII.	Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
IX.	Describe the proposed stimulation program, if any.
х.	Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
XI.	Attach a chemical analysis of fresh water from two or more fresh water wells (if avai]able and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
XII.	Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
XIII.	Applicants must complete the "Proof of Notice" section on the reverse side of this form.
XIV.	Certification
	I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief. Asst. Dist. Mar. of Production
	to the best of my knowledge and beller. Name: J. C. Chapman Signature: Itageneration Date: 9-11-84
	Signature: V. ~ / ~ / ~ Date: <u>9-11-84</u>

submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal.

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division district office.

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 zone 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.

Application to Inject Horton Federal Lease Milnesand (San Andres) Field

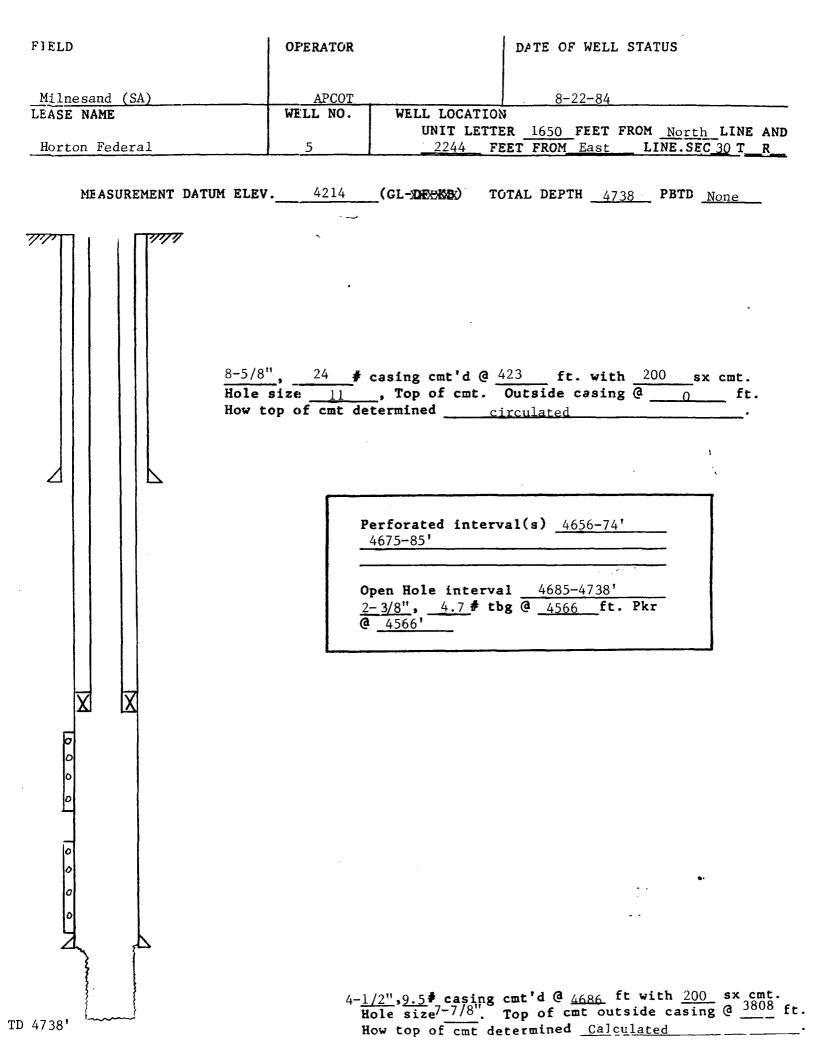
III. See attached sheets, schematics and tabulation

- V. Attached
- VI. Well data on surrounding wells included in previous application by Amoco former operator on this project
- VII. 1. Average injection rate will be 500 B/D with a maximum of 750 B/D.
 - 2. The system is closed.
 - 3. The proposed average injection pressure is 700 with a maximum of 900 psi.
 - 4. Produced water will be injected.
- VIII.Data was presented in original application
- IX. No additional stimulation planned
- X. Logs attached
- XI. Chemical analysis of fresh water from 2 wells attached
- XIII. "Proofs of Notice" attached

III. Well Data

B. Water will be injected into the San Andres formation in the Milnesand San Andres Field. These five wells were originally drilled as producers. No other oil or gas zones are present either above or below the San Andres. The injection tubing for all injection wells will be plastic lines.

FIELD	OFERATOR	DATE OF WELL STATUS
Milnesand (SA) LEASE NAME	APCOT WELL NO. WELL LO UNIT	LETTER 330 FEET FROM North LINE AND
Horton Federal MEASUREMENT DATUM ELEV	2 1650) FEET FROM West LINE.SEC 30 T R
<u>9-5/8'</u> Hole s	, <u>32.3</u> # casing cmt size <u>12-1/4"</u> , Top of op of cmt determined	'd @ 408 ft. with 200 sx cmt. cmt. Outside casing @ 0 ft. circulated
	<u>4645-50',</u> Open Hole in	interval(s) <u>4625-36'</u> 4662-76', (2spf) nterval <u>4689-4737'</u> 7 # tbg @ <u>4535</u> ft. Pkr
TD 4737'	Hole size7-	asing cmt'd @ 4689 ft with 200 sx cmt. 7/8" Top of cmt outside casing @ 3811 ft. cmt determined <u>Calculated</u> .



FIELD	OPERATOR		DATE OF WELL STATUS	
Milnesand (SA)	APCOT		8-22-84	
LEASE NAME	WELL NO.	WELL LOCATION		
Horton Federal	10		R 330 FEET FROM North ET FROM East LINE.SEC	
	LEV. 4214'	_(GL-1057XXB) TO	TAL DEPTH 4766' PBTD	4764'
2	w top of cmt de	terminedCirc		cmt. ft.
$\overline{\mathbf{X}}$		<u>4687', 4693-98',</u> pen Hole interva		
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			•	
	4-1	1/2",9.5# casing	cmt'd @4 <u>764'</u> ft with _ <u>25</u> 6	0 sx cmt.

FIELD	OPERATOR		DATE OF WELL STATUS
Milnesand (SA)	APCC	DT	8-22-84
LEASE NAME	WELL NO.	WELL LOCATION	3
Horton Federal	18		ER 1650.5 FEET FROM North LINE AND ET FROM West LINE.SEC 29 T R
7777 8–5/8 Hole	", 24 # size <u>12-1/4</u> top of cmt de P 0 2-	casing cmt'd @ , Top of cmt. termined erforated interv 4718-42'	val(s) 4662-96'

FIELD	OPERATOR	DATE OF WELL STATUS
Milnesand (SA)	APCOT	8-22-84
LEASE NAME	WELL NO.	WELL LOCATION
Horton Federal	34	UNIT LETTER <u>2280</u> FEET FROM <u>South</u> LINE AND <u>865</u> FEET FROM <u>East</u> LINE.SEC 30 T_R
	8", 24 # size <u>12-1/4"</u> top of cmt de	(GL-DEFERS) TOTAL DEPTH <u>4800'</u> PBTD <u>4775'</u> casing cmt'd @ <u>400</u> ft. with <u>250</u> sx cmt. ', Top of cmt. Outside casing @ <u>0</u> ft. termined <u>Circulated</u> erforated interval(s) <u>4670-4706'</u> <u>4720-48'</u> pen Hole interval <u>none</u> <u>3/8"</u> , <u>4.7</u> # tbg @ <u>4580</u> ft. Pkr <u>4580'</u>

Offset Operators Union Texas Petroleum 4000 N. Big Spring, Ste 500 Midland, TX 79702 Mobil Producing Texas & New Mexico Box 633 Midland, TX 79702 Sun Exploration and Production Co. Box 1861 Midland, TX 79702 Texaco Inc. Box 3109 Midland, TX 79701 Arco Oil & Gas Company Box 1610 Midland, TX 79702 R. C. Hanks Rt. 4 Box 206 Tano Road Santa Fe, N.M. 87511 T. L. Ingram Box 1757 Roswell, N. M. 88201 Ronadero Box 430 Roswell, N. M. 88201 Amoco Box 68 Hobbs, N. M. 88240

Surface Owners

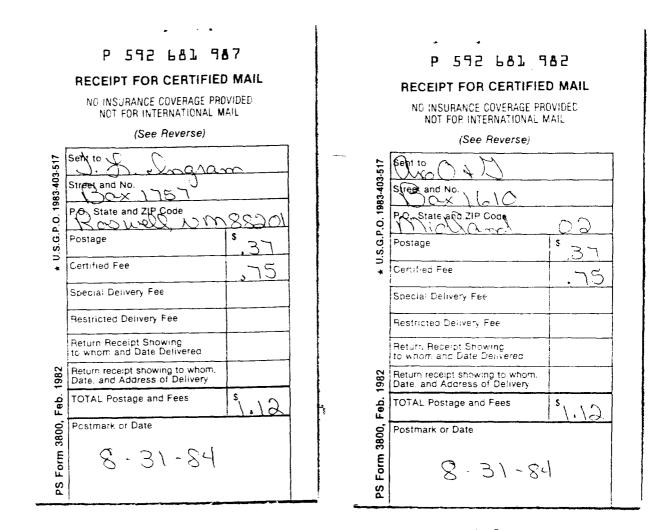
Vernon B. Rogers 4613 Bermuda San Angelo, TX 76904

Mac Ainsworth General Delivery Milnesand, N. M. 88125

Р 592 681 992	P 592 681 989		
RECEIPT FOR CERTIFIED MAIL	RECEIPT FOR CERTIFIED MAIL		
NO INSURANCE COVERAGE PROVIDED NOT FOR INTERNATIONAL MAIL	NO INSURANCE COVERAGE PROVIDED NOT FOR INTERNATIONAL MAIL		
(See Reverse)	(See Reverse)		
Street and No. Doi To P. 1	Sentto Street and No. D		
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Postmark or Date 9-5-84	۳ ۳ ۳ ۳ ۳ ۳ ۳ ۳ ۳ ۳ ۳ ۳ ۳ ۳ ۳ ۳		
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(See Reverse)	(See Reverse)		
E Servic deil Producing Leven MM	Sent to Amoco		

~ JexX	m.	3-517	Sent to Amoco
<i>.</i>		83-400	Street and N Box 68
79703			P.O., State a Hobbs,
s IJ		S.G.P	Postage
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	(See neverse)		_
11	Sent to Amoco	 	
83-403	Street and No. Box 68		
U.S.G.P.O. 1983-403-517	P.O., State and ZIP Code Hobbs, NM 88240		
S.G.P	Postage	\$.37	
*	Certified Fee	٦.	5
	Special Delivery Fee		
	Restricted Derivery Fee		
	Return Receipt Showing to whom and Date Delivered		
1982	Return receipt showing to whom, Date, and Address of Delivery		
S Form 3800, Feb. 1982	TOTAL Postage and Fees	\$ 12	,
800	Postmark or Date		
orm 3	8-31-8-1		
PS F			



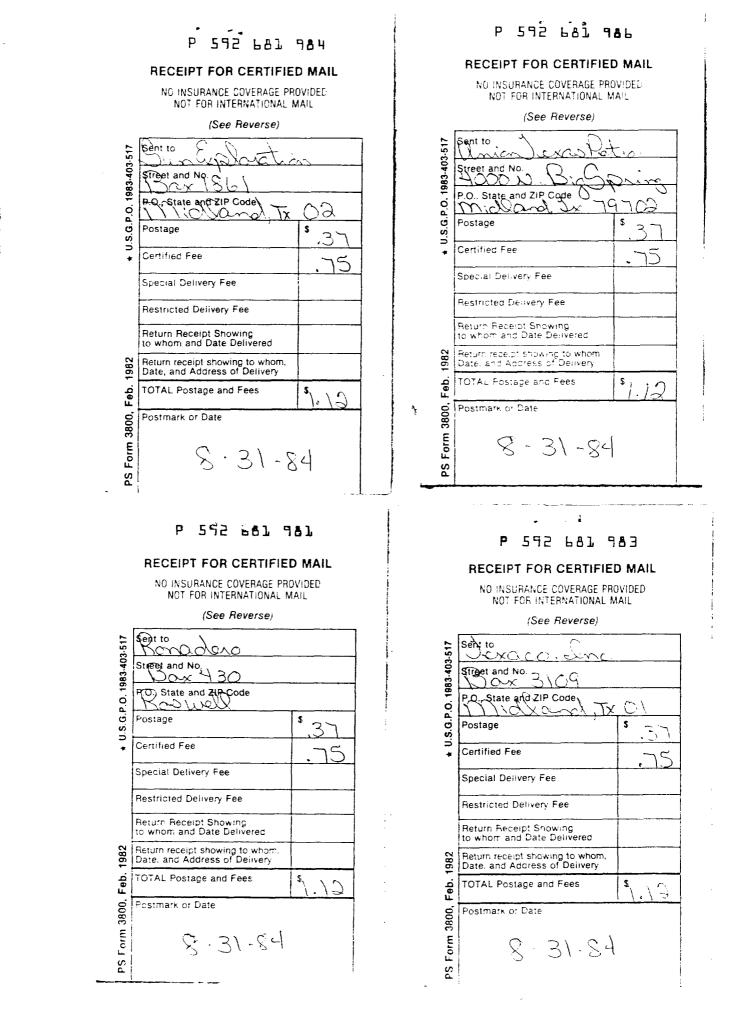
P 592 681 990

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED NOT FOR INTERNATIONAL MAIL

(See Reverse)

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Postage	\$,20
Certified Fee	,75
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$.95
Postmark or Date	
8-31-84	
	Postage Certified Fee Special Delivery Fee Restricted Delivery Fee Return Receipt Showing to whom and Date Delivered Return receipt showing to whom, Date, and Address of Delivery TOTAL Postage and Fees Postmark or Date





TRETOLITE DIVISION 369 Marshall Avenue / Saint Louis. Missouri 63119 (314) WO 1-3500/TWX 910-760-1660/Talex 44-2417

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WATER ANALYSIS REPORT

COMPANY American Petrofina	ADDRESS	Hobbs, NM.	DATE: 9-8	8-84
SOURCE Windmill North East of Inj	D1	0. 0 <i>1ⁱ</i> 0/.	ANALYSIS	
Analysis		<u>9-04-04</u> Mg/L	NO : *Meq/L	
1. pH 7.6			ì	
2. H ₂ 5 (Qualitative) Neg.				
3. Specific Gravity <u>1.000</u>				
4. Dissolved Solids	1	528		
5. Suspended Solids		0		
6. Phenolphtholein Alkolinity (CoCO3)		0		
7. Methyl Orange Alkalinity (CoCO3)	1	50	·	
8. Bicarbonate (HCO3)	нсо,	83 ÷61	3	HCO3
9. Chlorides (CI)	-	<u>34</u> ÷35.5	9	CI
10. Sulfates (SO4)	so,7	50 ÷48	15	SO.
11. Calcium (Ca)	Co	<u>80</u> ÷20	4	Ca
12. Magnesium (Mg)	Mg	<u>24</u> ÷ 12.2	2	Mg
13. Total Hardness (CaCO3)	3	00		•
14. Total Iron (Fe)	•••••••••		·	
15. Barium (Qualitative)				
16. Strontium				
*Milli equivalents per liter PROBABLE M	INERAL COMPOSI	ION		
•				A.L. 21
		Equiv. Wt.	(Meq/L == 3	Mg/L 243
	C_{α} (HCO ₃) ₂	81.04 68.07		68
	$Co SO_4$ Co Cl ₂	55.50	0	0
N₀→ Cl9	Mg (HCO ₃) ₂	73.17	0	0
Saturation Values Distilled Water 20°C Ca CO ₃ 13 Mg/L	Mg SO4	60.19	2	120
Ca SO ₄ • 2H ₂ O 2,090 Mg/L	Mg Cl ₂	47.62	12	571
Mg CO ₃ 103 Mg/L		84.00	0	0
	No ₂ SO ₄	, 71.03		0
	Na Cl	58.46	9	529
REMARKS			Thank Yo	ou
	· · · ·	G	ale Blackw	
		Respe	ctfully submitted	



TRETOLOTE DIVISION 369 Marshall Avenue / Saint Louis, Missouri 63119 (314) WD 1-3500/TWX 910-760-1660/Telak 44-2417 100

WATER ANALYSIS REPORT

12U ARE VEL

COMPANY_	American Petrofina	ADDRESS	Hobbs	, NM	DATE:	9-8-84
SOURCEWir	ndmill East of Inj. Plant	DATE SAMPL	LED		ANALYSIS — NO.——	
	Analysis		Mg∕L		*Meq/L	
1.	рН7_3					
2.	H ₂ S (Qualitative) <u>Neg</u>					
3.	Specific Gravity 0.955					-
4.	Dissolved Solids		955	-	• •	
5.	Suspended Solids	<u> </u>	0	_		
6.	Phenolphthalein Alkalinity (CoCO3)		· 0	-	,	
7.	Methyl Orange Alkalinity (CaCO3)		140	-		
8.	Bicarbonate (HCO3)	нсо,	170	_ ÷61	3	HCO3
9.	Chlorides (Cl)	CI 🔔	312	÷35.5	9	Ci -
10.	Sulfates (SO4)	so,	350	_ ÷48	7	\$O₁
11.	Calcium (Ca)	Co	80	<u>+</u> 20	4	Co
12.	Magnesium (Mg)	Mg	19	_÷12.2	2	Mg
13.	Total Hardness (CaCO3)		280	-		
14.	Total Iron (Fe)	·		-		-
15.	Barium (Qualitative)					
16.	Strontium					
• Mil	li equivalents per liter PROBABLE MINE	RAL COMPC	SITION			
•	·	Compound	Equiv.	Wt. X	Meq/L	— Mg/L
4	Ca HCO ₃	C_{α} (HCO ₃) ₂	• .	.04	3	243
2	Mg SO4 7	Ca SO4		.07	1	68
13		Ca Cl ₂	55	.50	0	0
		$-Mg (HCO_3)_2$	73	.17	0	0
Satı	ration Values Distilled Water 20°C Ca CO ₃ 13 Mg/L	Mg SO4		.19	2	120
	Co SO4 • 2H2O 2,090 Mg/L	Mg Cl ₂	47	.62	0	0
	Mg CO3 103 Mg/L	No HCO3	84	.00	0	0
		No2 SO4	. 71	.03	0	0
	· · · · · · · · · · · · · · · · · · ·	Na Cl	58	.46	9	526
REMARKS	-				Thank N	011
NEMICARY			,	G	ale Blac	
		•••••••••••••••••••••••••••••••••••••••				

Respectfully submitted TRETOLITE COMPANY

								SURFACE CASING	CASIN	163		PRODU	PRODUCTION CASING	SING									
.ease Name	Well NO.	Sec.	Twp.	Range	Footage	Location	Size	Dept h	SKS Cmt.	Hole Size	Top How Cmt Det.	Size	Depth	SKS	Hole Size	Top CMT	How Det	Tubing Size Li	bing Lining	Setting Depth	ng <u>Name</u>	Setting Parker Depth Name Model	Packe Depth
iorton Federal	2	30	8 5 5	35-E	330 FNL	1650 FWL	9 5/8	408	200	12 1/4	Surf. Circ.	4 1/2	4689	200	7 7/8	3811	Calc.	Calc. 2 3/8	Plastic	4535	Watson	Watson J-Lock	4535
	U.	30	S -8	35-E	1650 FNL	2244 FEL	8 5/8	423	200	11	Surf, Circ.	4 1/2	4686	200	7 7/8	3808	Calc.	2 3/8	Calc. ² 3/8 ^{pl} astic	4566	Watson	4566 Watson J-Lock	4566
	10	30	8- S	35-E	330 NFL	921 FEL	8 5/8	405	250	12 1/4	Surf. Circ.	4 1/2	4764	250	250 7 7/8	3667	Calc. 2 3/8	2 3/8	Plastic	4554	Watson	Watson J-Lock	4554
	18	29	8-S	35-F	1650 FNL	330 FWL	8 5/8	395	250	12 1/4	Surf. Circ.	4 1/2	4770	250	250 7 7/8	3672	Calc.	2 3/8	Calc. 2 3/8 Plastic	4572	Watson	Watson J-Lock	4572
	34	30	8- 8	35- E	228 FSL	865 FEL	8 5/8	400	250	12 1/4	Surf. Circ.	5 1/2	4800	1825	1825 7 7/8	Surf.	Circ.	2 3/8	Surf. Circ. 2 3/8 Plastic	4580	Watson	Watson J-Lock	4580

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All distances must be from the outer boundaries	of 1	f the	Section.
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t Letter B ual Footage Lo 990 und Level Elev 4211.9	Section 30	Township	the second s			
990 and Level Elev		85	Range 35E	County	ROOSEVE	LT
und Level Elev	ocation of Well;					
	feet from the	NORTH line and	1581	feet from the	EAST	line
			Pool			Dedicated Acreage:
		Andres 1 ated to the subject we	Milnesand			40 Acr
interest a 3. If more th dated by Yes If answer	and royalty). nan one lease of communitization, No If is "no," list the	a dedicated to the well different ownership is d unitization, force-poolir answer is "yes," type of owners and tract descr	edicated to the we ng.etc? consolidation	ell, have the	interests of	all owners been conso
this form No allowa	if necessary.) able will be assig	ned to the well until all e) or until a non-standard	interests have bee	en consolida	ted (by com	munitization, unitization
			-0 66 		tained her	ertify that the information convertify that the information converting is true and complete to the knowledge and belief.
			ES PROFESSION		Ast. Compony American Date 8-24-	Dist. Prod. Mgr. n Petrofina Co. of -84
				GINERO	shown on notes of a under my s is true ar	certify that the well locatio this plat was plotted from fiel actual surveys made by me o supervision, and that the sam and correct to the best of m and belief.
						14/84 Professional Engineer

		All distances must be fr	om the outer boundaries	of the Section.	
rator	MERICAN PETROF	INA OF TEXAS	HORTON F	ED.	Well No. 37
t Letter A	Section 30	Township	Range 35E	County	SEVELT
ual Footage I	Location of Well:				
990	feet from the	NORTH line and		feet from the EAST	line
4208.3			Pool		Dedicated Acreage:
		n Andres	Milnesand		40 Acre
 If more dated by Yes If answer this form 	y communitization,	unitization, force-poolir answer is "yes," type of e owners and tract descr	ng. etc? consolidation riptions which have	actually been cons	s of all owners been consol olidated. (Use reverse side communitization, unitizatio
	A CALL AND A REAL PROPERTY OF A DESCRIPTION OF			Ouch interests, has l	CERTIFICATION CERTIFICATION The by certify that the information co ad herein is true and complete to the of my knowledge and belief.
			PROFESSIO	Compa Ame Date	Ast. Dist. Prod. Mgr. ^{ny} rican Petrofina Co. o 8-24-84
		REGIST	676	show note: unde is ti	reby certify that the well location on on this plat was plotted from field s of actual surveys made by me of r my supervision, and that the same rue and correct to the best of m ledge and belief.
	I I			Date S	urveyed 8/14/84

AMERICAN PETROFINA OF TEXAS HORTON FED. 38 Latter Section 8 SOUTH 35 EAST Country ROOSEVELT all footige Lacention of Walt: 30 Pool Pool ROOSEVELT all footige Lacention of Walt: San Andres Pool Pool Pool Pool 214.3 San Andres Millinesand Descrete Arrange: 40 Arra Outline the acreage dedicated to the subject well by colored pancil or bachure marks on the plat below. 1 Immediate acreage 40 Arra If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to workin interest and royally). If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to workin interest and royally). If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated. If weak is in the owners and tract descriptions which have actually been consolidated. (Use reverse side this form if necessary). No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, etc.) If weak yearify the the intermetion consolidated (by communitization, unitization, force-pool, well weak is the intermetion of base of my knowledge and balef. No allowable wil		Calles and and	All distances must be	from the outer boundaries of	of the Section.		Two to be
Letter Section Township Page 4 County ROOSEVELT ab Poises Location of Selit 285 test from the EAST Description of Selit 2305 rest from the NORTH tine and 285 test from the EAST Description of Selit 214.3 San Andrees Milnesand Ad Account of Selit Outload Advectory 214.3 San Andrees Milnesand Advectory Advectory Advectory 214.3 San Andrees Milnesand Advectory Advectory Advectory 214.3 San Andrees Milnesand Advectory Advectory Advectory 214.4 San Andrees Milnesand Idvectory Advectory Advectory 214.5 The one han one lease is dedicated to the well, outline each and identify the ownership hereof (both as to workin interests and royalty). If maker is "no?" list the owners and tract descriptions which have actually been consolidated. (Use reverse side this form if necessary.) Interestand royalty of the ownership hereof been unitization, unitization, unitization, consolidated (by communitization, unitization, advectory		N PETROFINA	OF TEXAS	HORTON	FED.		Well Nc. 38
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I hereby certify that the well location shown on this plat was plotted from file notes of actual surveys made by me of under my supervision, and that the som is true and correct to the best of m knowledge and belief. Date Surveyed AUGUST 15, 1984 Registered Professional Engineer and/or Land Surveyor MMMULT					2255	Position Asst. Dist. Company American Per Date	
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AMERICAN PETROFINA COMPANY OF TEXAS

POST OFFICE BOX 2990 August 28, 1984

1004 N. BIG SPRING ST. DINERO PLAZA, SUITE 4 State of New Mexico (915) 687-0575 Energy and Mineral Department on Oil Conservation Division Division Box 2088 WF7-533 Sante Fe, New Mexico

MIDLAND, TEXAS 79702-2990

Gentlemen:

Conversion of 5 Producing Wells to Injection and 4 Unorthodox Locations Re: Horton Federal Lease, Milnesand-Horton Waterflood Roosevelt County, New Mexico

American Petrofina Co. of Texas requests administrative approval to convert our Horton Federal Wells Nos. 2, 5, 10, 18 and 34 to injection in our Milnesand-Horton Waterflood Project. The subject Wells will be converted in order to increase crude recovery and production. Well No. 2 is located 330 FNL and 1650 FWL, Sec. 30, T-8-S, R-35-E; Well No. 5 is located 1650 FNL and 2244 FEL, Sec. 30, T-8-S, R-35-E; Well No. 10 is located 330 FNL, 921.3 FEL, Sec. 30, T-8-S, R-35-E; Well No. 18 is located 1650.5 FNL, 330 FWL, Sec. 29, T-8-S, R-35-E; and Well No. 34 is located 2280 FNL, 865 FEL, Sec. 30, T-8-S, R-35-E.

Administrative approval is also requested to drill 4 producers at unorthodox locations. They are No. 36 located 990 FNL, 1581 FEL, Sec. 30, T-8-S, R-35-E; No. 37 located 990 FNL, 295 FEL, Sec. 30, T-8-S, R-35-E; No. 38 located 2305 FNL, 285 FEL, Sec. 30, T-8-S, R-35-E and No. 39 located 2320 FNL, 1550 FEL, Sec. 30, T-8-S, R-35-E.

These wells are located so as to form an orderly 5-spot flood pattern.

Plats of the new producers are attached along with well bore sketches of the proposed conversion wells, and a map of the over all pattern. Tabulations of wells within 1/2 mile are not included as this information was submitted when the older injection wells were proposed. A map of the ultimate pattern and logs of the conversion wells are also included. Notice to the following list of offset operators has been mailed this date.

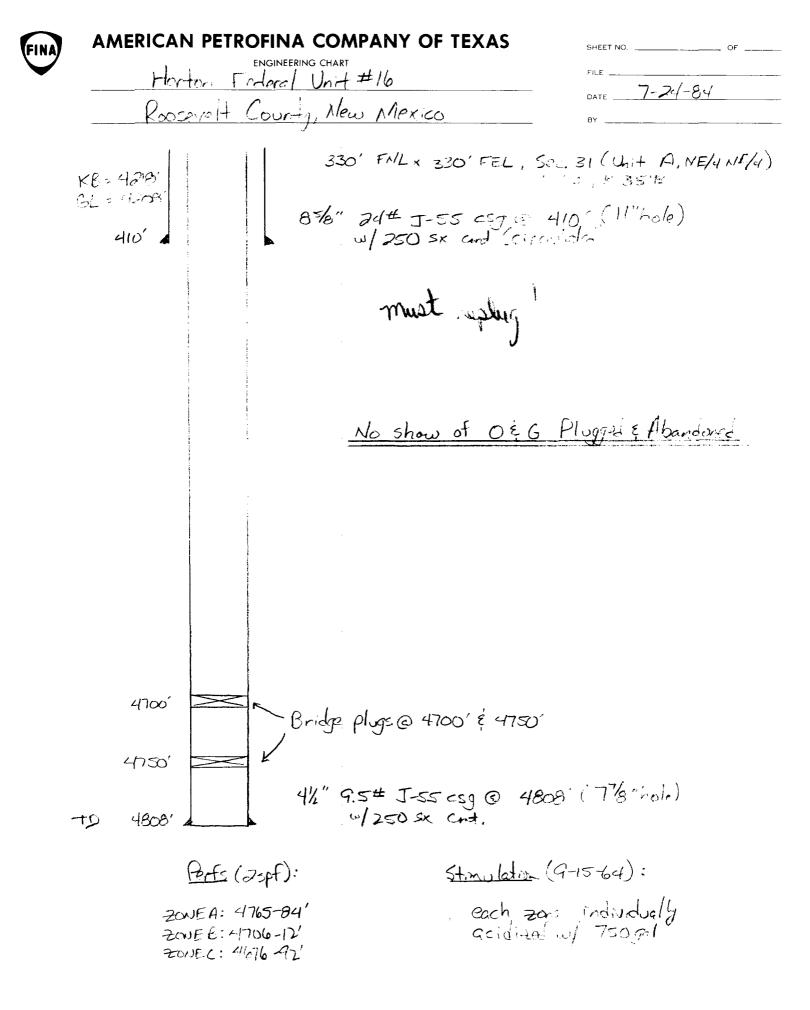
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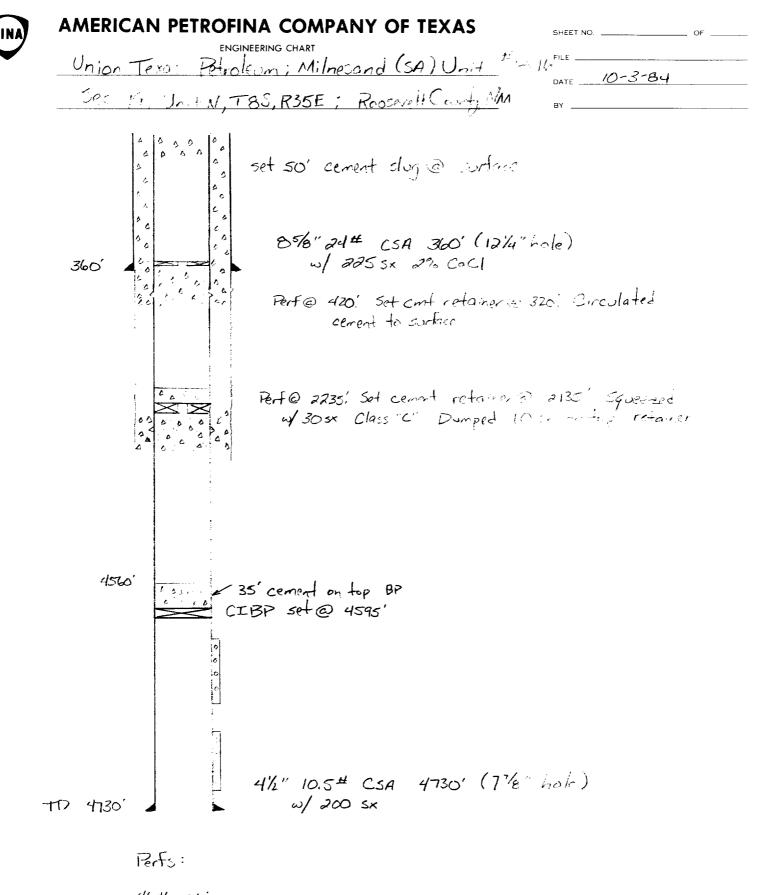
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Ronald E. Smelley Drilling and Production Manager

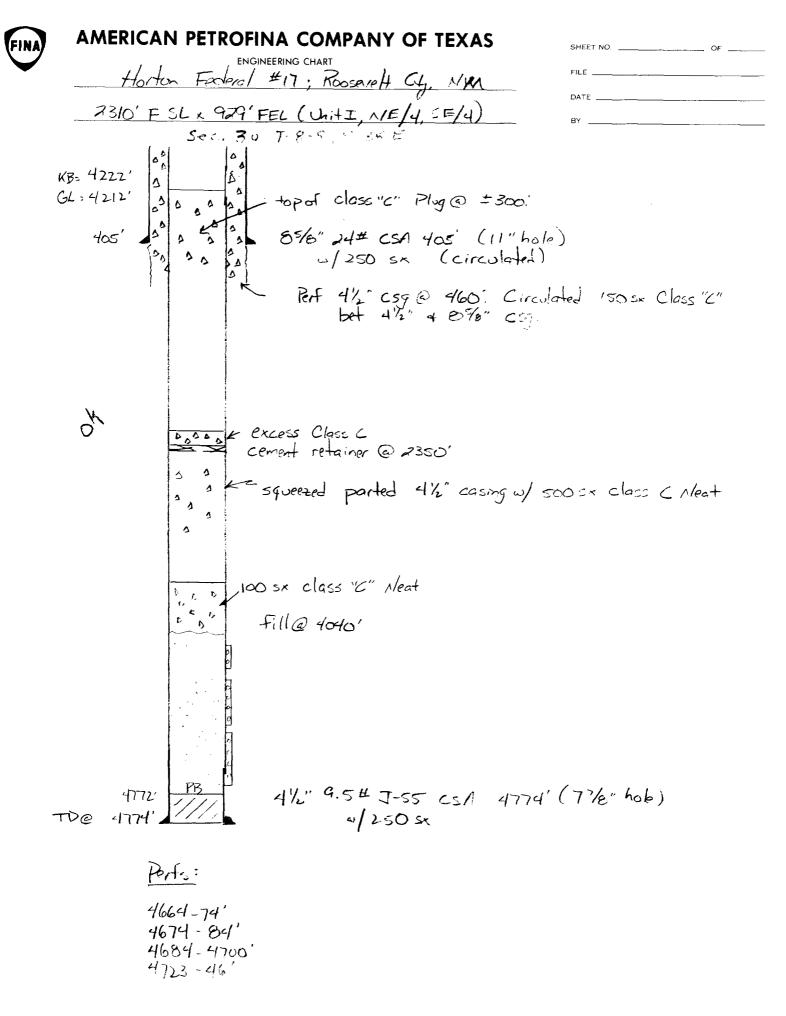
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DIL CONSERVATION DIVISIONMERICAN PETROFINA COMPANY OF TEXAS

SANTA FE

POST OFFICE BOX 2990

MIDLAND, TEXAS 79702-2990

October 3, 1984

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1004 N. BIG SPRING ST. DINEPO PLAZA, SUITE 4 (915) 687-0575

Energy and Minerals Department Oil Conservation Division Box 2088 Santa Fe, New Mexico 87501

Attention: Mr. Gilbert Quintana

WFX-533

Reference: Horton Federal Lease Milnesand San Andres Field Roosevelt County, N.M.

Gentlemen:

As requested, we attached herewith, schematics of wells plugged in the area within 1/2 mile of proposed injection wells Horton Federal No.'s 2, 5, 10, 18 and 34.

Plugged Wells within $\frac{1}{2}$ mile of No. 2	Union Texas Milnesand Unit #316 (See Attached)
Plugged Wells within $\frac{1}{2}$ mile of No. 5	American Petrofina Horton Federal #17 (See Attached)
Plugged Wells within $\frac{1}{2}$ mile of No. 10	American Petrofina Horton Federal #17 (See Attached)
Plugged Wells within ½ mile of No. 18	American Petrofina Horton Federal #17 (See Attached)
Plugged Wells within $\frac{1}{2}$ mile of No. 34	American Petrofina Horton Federal #16 & 17

Please advise if you need any additional information.

Very truly yours,

hapmin

J. C. Chapman

JCC:ft Attachments



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE
September 19, 1984

TONEY ANAYA GOVERNOR POST OFFICE BOX 1980 HOBBS, NEW MEXICO 98240 (505) 393-6161

OIL CO	INSEF	RVATI	[ON	DIVI	SION
P. O.	BOX	2088	3		
SANTA	FE,	NEW	MEX	ICO	87501

RE: Proposed:

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NSP ⁻		
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WFX	X	
PMX		

Gentlemen:

I have examined the application for the:

American Petrofina C	o. of	Texas	Milnesand	Horton	Waterf]ood	project (5	wells)
Operator		Lease &	Well No.	Unit	S-T-R		

and my recommendations are as follows:

Need schematic of P/A Wells

Yours very truly,

I called Mr. Chapman on Sept. 26, 1984. Wasn't IN Left message with the Jerry Sexton Supervisor, District 1 /mc Hew information anived Set retary Oct. 5, 1984. Looks good.

LARGE FORMAT EXHIBIT HAS BEEN REMOVED AND IS LOCATED IN THE NEXT FILE