STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

DIL CONSERVATION DIVISION

POST OFFICE BOX 2XXB

STATE LAND OFFICE BUILDING

BANTA FE, NEW MEXICO BUILDING

100 Mary

in the same APPLICATION FOR AUTHORIZATION TO INJECT XX Disposal Pressure Maintenance Secondary Recovery Ι. Purpose: Application qualifies for administrative approval? Xyes Yates Petroleum Corporation 11. Artesia, NM 88210 105 S. 4th Str. Address: (505)748-1471Contact party: Paul Ragsdale Phone: 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 If yes, give the Division order number authorizing the project ٧. 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. Attach a tabulation of data on all wells of public record within the area of review which VI. 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; 2. Whether the system is open or closed; 3. 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 5. 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. Attach appropriate logging and test data on the well. (If well logs have been filed Χ. with the Division they need not be resubmitted.) Attach a chemical analysis of fresh water from two or more fresh water wells (if XI. ovailable and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken. Applicants for disposal wells must make an affirmative statement that they have XII. 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. _____ Title Petroleum Engineer Paul Ragsdale Kandule Date: 10-30-90 Signature: * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal.

111. 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 easing 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 B7501 within 15 days.

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

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.

C-108

Application For Authorization To Inject Yates Petroleum Corporation Mimosa "AHS" Federal #1 I 4-20S-24E Eddy County, New Mexico

I. The purpose of drilling this well is to make a disposal well for Dagger Draw Upper Pennsylvanian waters (re-injected produced waters) into the Mississippian, Devonian, and Ellenberger formations.

Yates Petroleum plans to make this well a disposal well in the Mississippian, Devonian, and Ellenberger formations.

- II. Operator: Yates Petroleum Corporation 105 South Fourth Street Artesia, NM 88210 Paul Ragsdale (505) 748-1471
- III. Well Data: See Attachment A
 - IV. This is not an expansion of an existing project.
 - V. See attached map, Attachment B
 - VI. There are no wells within the one-half mile radius of the Mimosa AHS Federal #1 which penetrate the Mississippian/Devonian.
- VII. 1. Proposed average daily injection volume approxi-8,000 BWPD. Maximum daily injection volume approximately 10,000 BWPD.
 - 2. This will be a closed system.
 - 3. Proposed average injection pressure-1500 psi. Proposed maximum injection pressure--2200 psi.
 - 4. Sources of injected water would be produced water from the Dagger Draw-Upper Pennsylvanian. (See Attachment C.)
 - 5. See Attachment D.
- VIII. 1. The proposed injection interval is the portion of the Mississippian, Devonian, and Ellenberger formations consisting of porous sands and dolomites from estimated depths of 9,515' to 11,150'.

- 2. Fresh water zones overlie the proposed injection formations at depths to approximately 1100 feet.
- IX. The proposed disposal interval will be acidized with 30,000 gallons of 15% HCL acid.
 - X. Logs will be furnished when the Mimosa AHS Federal #1 well is completed.
- XI. Two fresh water wells exist within the one mile radius of the subject location. They are located in the NW corner of section 3-20S-24E.

The location of these wells is indicated on the map in Attachment E. Water analyses are also attached. (Attachment F)

XII. Yates Petroleum Corporation has examined geologic and engineering data and has found that there is no evidence of faulting in the proposed interval.

XIII. Proof of Notice

- A. Certified letters sent to the surface owner and offset operators-attached. (Attachment G)
- B. Copy of legal advertisement attached. (Attachment H)
- XIV. Certification is signed.

Yates Petroleum Corporation Mimosa "AHS" Federal #1 I 4-20S-24E

Attachment A Page 1

III. Well Data

- A. 1. Lease Name/Location:
 Mimosa "AHS" Federal #1
 I 4-20S-24E
 1980' FSL & 810' FEL
 - 2. Casing Strings:
 - a. Present Well Condition
 9-5/8" 36# j-55 @ 1305' with 1100 sacks
 7" 23# casing @ 11,150' and cement
 circulated to surface.

TD: 11,150'

- 3. Tubing:
 Propose to use 2-7/8" 6.5# J-55 plastic-coated
 tubing set at 9450'.
- 4. Packer:
 Propose to use Guiberson Uni VI or Baker
 plastic-coated or nickel-plated packer set at
 9450'.
- B. 1. Injection Formation:
 - a. Mississippian Limestone @ 9210'
 - b. Devonian Dolomite @ 9814'
 - c. Montoya Dolomite @ 10241'
 - d. Ellenberger Dolomite @ 10601'
 - e. Bliss Sand @ 11007'
 - 2. Injection Interval will be through perforations from approximately 9,515-11,150'.
 - 3. Well was originally drilled as an exploratory gas well, but after testing, decision made for salt water disposal well.
 - 4. Perforations: 9515-11150'
 - 5. Next higher (shallower) oil or gas zone within 1/2 mile--NONE: within 2 miles--Canyon. Next lower (deeper) oil or gas zone within 1/2 mile--NONE: within 2 miles--none.

YATES PETROLEUM

MIMOSA "AHS" FEDERAL #1 SEC. 4 - T20S - R24E

1980' FSL & 810' FEL

EDDY COUNTY, NEW MEXICO

SPUD: 8 - 28 - 90

PROPOSED SALT WATER DISPOSAL WELL

SAN ANDRES 343'

GLORIETA 1734'

YESO 1850'

ABO 3996'

WOLFCAMP 5236'

CANYON 7424

STRAWN 8079

ATOKA 8617

MORROW 8981

MISSISSIPPIAN 9200

WOODFORD 9657

SILURIAN/DEVONIAN 9680

MONTOYA 10,127

ELLENBERGER 10,459

BLISS SAND 10,979

GRANITE 11,043

TD 11,150

9 5/8" @ 1305 W/1100 SX (CIRC)

SQUEEZE HOLES AT 3850 CEMENTED W/ 635 SX CIRCULATED 70 SX TO SURFACE

STAGE III -975 SX

DV TOOL @ 5279

STAGE II -1700 SX

DV TOOL @ 9307

2 7/8" PLASTIC - COATED TUBING & PACKER @ 9450'

PERFS: 9515 TO 11,150

STAGE I -450 SX

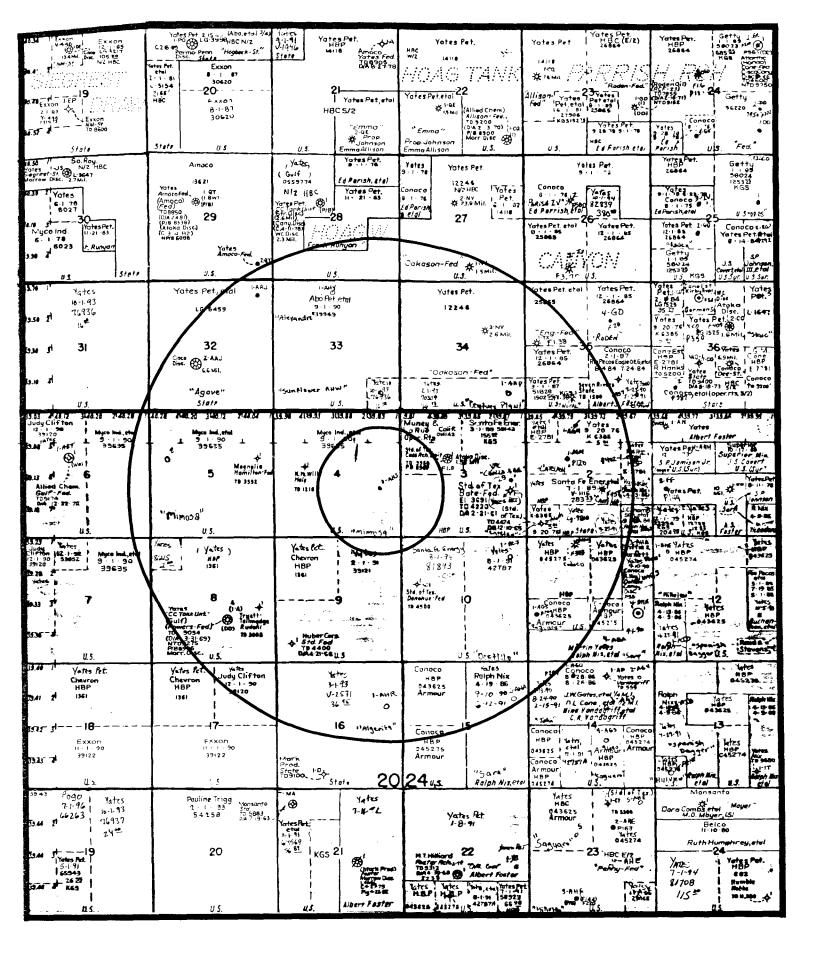
7"; 23#, 26#, & 29# SET AT 11,150

COLUMN BY I TOTAL COLUMN

PLAN TO RUN APPROXIMATELY 11,150' OF 7" 23# CASING, CIRCULATING CEMENT BACK TO SURFACE. WILL COMPLETE FOR SALT WATER DISPOSAL WITH 2 - 7/8" 6.5# J - 55 PLASTIC - COATED TUBING AND GUIBERSON VI OR BAKER PLASTIC - COATED OR NICKEL - PLATED PACKER SET @ APPROXIMATELY 9450' WITH AN INERT FLUID WITH INHIBITORS IN THE ANNULUS. PROPOSED TO INJECT DAGGER DRAW - UPPER PENNSYLVANIAN PRODUCED WATERS THROUGH MISS/DEVONIAN, MONTOYA,

A CONTRACTOR OF THE CONTRINST POLE

١



YATES PETROLEUM CORPORATION

MIMOSA "AHS" FEDERAL #1

PROPOSED SALT WATER DISPOSAL WELL

SEC. 4 - 20S - 24E

1980' FSL & 810' FEL

EDDY COUNTY, NEW MEXICO

ATTACHMENT B

cc:

YOUNG

HALLIBURTON DIVISION LABBRATORY HALLIBURTON SERVICES

AUTESIA, SEM MEXICO 83210

No. W65, W66, & W67-88 LABORATORY WATER ANALYSIS

To <u>Yates Petro</u>	leum Corporation	Date			
105 South F Artesia, NM	88210	This report is the property of Halliburton Company and neither it not any first thereof not a copy thereof is to be published or disclosed without first securing the express written approval al luburatory management; it may however, be used in the course of regular business operations by any person or concern and employees thereof receiving such report from Halliburton Company.			
		•			
• • • • • •					
Well No	Depth	Formation.	•		
County	Field	Source			
	Ross EC Fed. #2	Foster AN Com. #1	Parish IV Comm.		
Resistivity	.91 @ 60°	.9 0 60°	.89 @ 60°		
Specific Gravity	1.005 @ 60°	1.005 0 60°	1.005 0 60		
p!1	7.5	7.3	7.0		
Calcium (Ca)	1,000	1,000	1',000 *MPL		
Magnesium (Mg)	600	500	650		
Chlorides (Cl)	4,000	5,000	5,000		
Sulfates (SO.)	Heavy	lleavy	lleavy		
Bicarbonates (HCO ₂)	1,200	1,000	1,100		
Soluble Iron (Fe)	N i 1	Nil	Nil		
······································					
•••••••••••••••••••••••••••••••••••••••					
Remarks:			*Milligrams per liter		
	*		•		
	Respecti	ully submitted,			
Analys Art Cárras	co - District Engine	v.	· · · · · · · · · · · · · · · · · · ·		

NOTICE

No. W531-90

HALLIBURTON SERVICES

ARTESIA DISTRICT

LABORATORY REPORT

TO Mr. Harvey	Apple			Date_	Septer	ber 20	1990
Yates Pet	roleum Corporation	1	_				. •
105 South	Fourth Street		The report is the prop thereof, ner a copy the the express written as used in the course of in	rest a la ba p peroval si lat	notated or de portiony mena	closed without persent, it may	hal secure Nonever, be
Artesia,	NM 88210		employees, thereof rec	•	-		
Submitted by Danny	Panzer		Date Rec.	Sep	tember	20, 19	90
Well No. State D#	1	Depth_10963	3' - 11052'	Porma	tion	Bliss	Sand
Field		County		Source	<u> </u>	 	
			· · · · · · · · · · · · · · · · · · ·				
Resistivity	0.052						
Specific Gravity	1.1706		~~~~				
pH	6.5		·				
Calcium	29,025						
Magnesium	392	· ·			· - , - · · · ·		
Chlorides	157,000						
Sulfates	700						
Bicarbonates	305					·	
Soluble Iron	500						
KCL	.5%	-		—	· · · · · · · · · · · · · · · · · · ·		
							
 Remarks:							
	<u> </u>	D Cardon					
	Respec	ctfully submit	ted	_			

Analyst: Eric Jacobson - Field Engineer

HALLIBURTON SERVICES

NOTICE:

This report is for information only and the content is limited to the sample described. Halliburton makes no warranties, express or implied, as to the accuracy of the contents or results. Any user of this report agrees Halliburton shall not be hable for any loss or damage, regardless of cause, including any act or omission of Halliburton, resulting from the use hereof

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WATER ANALYSIS REPORT furnished by TRETOLITE CHEMICALS

90

COMPANY:

YATES PET.

LEASE:

LARUE WATER WELL

SAMPLE POINT:

WELL 10-9-90

SAMPLE DATE: SAMPLE TEMP.:

N/A

pH: 7.5 H2S: NO

SPECIFIC GRAVITY:

1.015

TITRATED AND CALCULATED IONS

	MILLIGRAMS	MILLIEQUIVALENTS
	PER LITER	PER LITER
нсоз	280.60	4.60
Cl	256.00	7.21
SO4	200.00	4.17
Ca	528.00	26.40
Mg	65.61	5.38
Na	0.00	0.00

IONIC STRENGTH = 0.04

TOTAL HARDNESS = 1590.0 mg/ltr.

TOTAL DISSOLVED SOLIDS = 1056.6 mg/ltr.

PROBABLE MINERAL COMPOSITION AND ION PAIRING

	MILLIEQUIVALENTS	MILLIGRAMS
	PER LITER	PER LITER
Ca(HCO3)2	4.60	372.78
CaSO4	4.17	283.63
CaC12	7.21	400.23
Mg(HCO3)2	0.00	0.00
MgSO4	0.00	0.00
MgC12	0.00	0.00
NaHCO3	0.00	0.00
Na2S04	0.00	0.00
NaCl	0.00	0.00

CALCULATED SCALING TENDENCIES

SCALING INDEX

CaCO3 @ 80 DEG F. = 1.2 CaCO3 @ 120 DEG F. = 1.5

SATURATION POINT

CaSO4 @ 70 DEG F. = 1775.1 MG/LTR. CaSO4 @ 110 DEG F. = 1829.4 MG/LTR.

(THIS SAMPLE CONTAINED 283.6 MG/LTR. CaSO4)

WATER ANALYSIS REPORT furnished by TRETOLITE CHEMICALS

COMPANY: YATES PET.

LEASE:

WINDMILL

SAMPLE POINT:

OVERFLOW

SAMPLE DATE:

10-8-90

SAMPLE TEMP.:

N/A

pH: 7.7 H2S: NO

SPECIFIC GRAVITY:

1

TITRATED AND CALCULATED IONS

	MILLIGRAMS PER LITER	MILLIEQUIVALENTS PER LITER
нсоз	329.40	5.40
Cl	213.00	6.00
SO4	1375.00	28.65
Ca	600.00	30.00
Mg	133.65	10.95
Na	0.00	0.00

IONIC STRENGTH = 0.08

TOTAL HARDNESS = 2050.0 mg/ltr.

TOTAL DISSOLVED SOLIDS = 2641.4 mg/ltr.

PROBABLE MINERAL COMPOSITION AND ION PAIRING

	MILLIEQUIVALENTS	MILLIGRAMS
	PER LITER	PER LITER
Ca (HCO3)2	5.40	437.62
CaSO4	24.60	1674.52
CaC12	0.00	0.00
Mg(HCO3)2	0.00	0.00
MgSO4	4.05	243.52
MgC12	6.00	285.72
NaHCO3	0.00	0.00
Na2SO4	0.00	0.00
NaCl	0.00	0.00

CALCULATED SCALING TENDENCIES

SCALING INDEX

CaCO3 @ 80 DEG F. = 1.4 CaCO3 @ 120 DEG F. = 1.8

SATURATION POINT

CaSO4 @ 70 DEG F. = 2369.1 MG/LTR. CaSO4 @ 110 DEG F. = 2425.9 MG/LTR.

(THIS SAMPLE CONTAINED 1674.5 MG/LTR. CaSO4)

Attachment G

MARTIN YATES, III 1912 - 1985 FRANK W. YATES 1936 - 1986



105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210

TELEPHONE (505) 748-1471

S. P. YATES
CHAIRMAN OF THE BOARD
JOHN A. YATES
PRESIDENT
PEYTON YATES
EXECUTIVE VICE PRESIDENT
RANDY G. PATTERSON
SECRETARY
DENNIS G. KINSEY
TREASURER

November 7, 1990

CERTIFIED RETURN RECEIPT

Santa Fe Energy 500 W. Illinois Suite 500 Midland, TX 79702

Dear Sir:

Enclosed please find a copy of form C-108 (Application for Authority to Inject) on Yates' Mimosa AHS Federal #1 located in Unit I of Section 4-T20S-R24E.

Should you have any questions, please feel free to contact me at (505) 748-1471.

Sincerely,

Paul Ragsdale

Petroleum Engineer

PR/sj

November 7, 1990

CERTIFIED RETURN RECEIPT

Randolph Richardson P.O. Box 2423 Roswell, NM 88201

Dear Sir:

Enclosed please find a copy of form C-108 (Application for Authority to Inject) on Yates' Mimosa AHS Federal #1 located in Unit I of Section 4-T20S-R24E.

Should you have any questions, please feel free to contact me at (505) 748-1471.

Sincerely,

Paul Ragsdale

Petroleum Engineer

PR/sj

MARTIN YATES, III 1912 - 1985 FRANK W. YATES 1936 - 1986



105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210

TELEPHONE (505) 748-1471

S. P. YATES
CHAIRMAN OF THE BOARD
JOHN A. YATES
PRESIDENT
PEYTON YATES
EXECUTIVE VICE PRESIDENT
RANDY G. PATTERSON
SECRETARY
DENNIS G. KINSEY

November 7, 1990

CERTIFIED RETURN RECEIPT

Chevron USA, Inc. P. O. Box 1150 Midland, TX 79702

Dear Sir:

Enclosed please find a copy of form C-108 (Application for Authority to Inject) on Yates' Mimosa AHS Federal #1 located in Unit I of Section 4-T20S-R24E.

Should you have any questions, please feel free to contact me at (505) 748-1471.

Sincerely,

Paul Ragsdal Petroleum Engineer

PR/sj

Attachment H

Legal Notice

Yates Petroleum Corporation, 105 South Fourth Street, Artesia, NM 88210, has filed form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for an injection well. The proposed well, the "Mimosa AHS Federal #1" located 1980' FSL & 810' FEL of Section 4, Township 20 South, Range 24 East of Eddy County, New Mexico, will be used for saltwater disposal only. Disposal waters from the Dagger Draw Upper Pennsylvanian will be re-injected into the Mississippian, Devonian, and Ellenberger formations at a depth of 9515-11,150 feet with a maximum pressure of 2200 psi and a maximum rate of 10,000 BWPD.

All interested parties opposing the aforementioned must file objections or requests for a hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, NM 87501, within 15 days. Additional information can be obtained by contacting Paul Ragsdale at (505) 748-1471.

MARTIN YATES, III 1912 - 1985 FRANK W. YATES 1936 - 1986



105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210 TELEPHONE (505) 748-1471

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JOHN A. YATES

PRESIDENT

PEYTON YATES

EXECUTIVE VICE PRESIDENT

RANDY G. PATTERSON

SECRETARY

DENNIS G. KINSEY

TREASURER

S. P. YATES

November 7, 1990

Artesia Daily Press 503 W. Main Artesia, NM 88210

Gentlemen,

Yates Petroleum Corporation desires to place a public notice in your newspaper for one day. The notice is enclosed.

Please place this notice in your paper Thursday, November 8, 1990 and forward a copy of it along with your billing as soon as possible to:

Yates Petroleum Corporation 105 S. 4th Street Artesia, NM 88210 Attn: Paul Ragsdale

If you have any questions, please contact me at 748-1471, Ext. 187. Thank you for your cooperation in this matter.

Sincerely,

Paul Ragsdale

Petroleum Engineer

PR/sj

YATES PETROLEUM

MIMOSA "AHS" FEDERAL #1 SEC. 4 - T20S - R24E

1980' FSL & 810' FEL

EDDY COUNTY, NEW MEXICO

SPUD: 8 - 28 - 90

PROPOSED SALT WATER DISPOSAL WELL SAN ANDRES 343' 9 5/8" @ 1305 W/1100 SX (CIRC) **GLORIETA 1734'** YESO 1850' **SQUEEZE HOLES AT 3850** CEMENTED W/ 635 SX CIRCULATED 70 SX TO SURFACE ABO 3996' STAGE III -975 SX WOLFCAMP 5236' **DV TOOL** @ 5279 STAGE II -1700 SX **CANYON 7350' SQUEEZED CANYON PERFS: 7553' - 60'** W/50 SX CEMENT, CLASS H **STRAWN 7940'** 31/2" PLASTIC - COATED ATOKA 8522' TUBING & PACKER @ 8888' **MORROW 8818'** MISSISSIPPIAN 9200 DV TOOL @ 9307' WOODFORD 9688' SILURIAN/DEVONIAN 9720' PERFS: 8925' TO 11,011' **MONTOYA 10,127 STAGE 1 -450 SX ELLENBERGER 10,459** BLISS SAND 10,979 **GRANITE 11,043** 7"; 23#, 26#, & 29# SET AT 11,150 TD 11,150

PLAN TO RUN APPROXIMATELY 11,150' OF 7" 23# CASING, CIRCULATING CEMENT BACK TO SURFACE. WILL COMPLETE FOR SALT WATER DISPOSAL WITH 2 - 7/8" 6.5# J - 55 PLASTIC - COATED TUBING AND GUIBERSON VI OR BAKER PLASTIC - COATED OR NICKEL - PLATED PACKER SET @ APPROXIMATELY 9450' WITH AN INERT FLUID WITH INHIBITORS IN THE ANNULUS.

PROPOSED TO INJECT DAGGER DRAW - UPPER PENNSYLVANIAN PRODUCED WATERS THROUGH MISS/DEVONIAN, MONTOYA,

Affidavit of Publication

		No	13327	
STATE OF NEW MEX	ICO,			
County of Eddy:				
Gary D. Sco	t t		b	eing duly
sworn, says: That he	is theI	Publishe:	r	of The
Artesia Daily Press,	a daily ne	wspaper o	f general cl	rculation,
published in English	at Artesla,	said count	y and state	, and that
the hereto attached_	Legal 1	Notice		
was published in a r Daily Press, a daily within the meaning of	newspaper	duly qual	ified for tha	nt purpose on Laws of
the state of New Mex	dco for	1	consecutive	days weeks on
the same day as follo	ows:			
First Publication	Novemb	<u>ær 8, 1</u>	990	
Second Publication				
Third Publication_				
Fourth Publication_			_/	
X an	49 M	T. J.	1. 1.H	
Subscribed and swo	ern to before	me this_	8th	day
of		No	ovember	_19 _90
	Molary I	and f	y County N	Jew Mexico

My Commission expires September 23, 1991

Copy of Publication

LEGAL NOTICE

Yates Petroleum Corporation, 105 South Fourth Street, Artesia, NM 88210, has filed form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for an injection well. The proposed well, the "Mimosa AHS Federal #1" located 1980' FSL & 810' FEL of Section 4, Township 20 South, Range 24 East of Eddy County, New Mexico, will be used for saltwater disposal only. Disposal waters from the Dagger Draw Upper Pennsylvanian will be re-injected into the Mississippian, Devonian, and Ellenberger formations at a depth of 9515-11,150 feet with a maximum pressure of 2200 psi and a maximum rate of 10,000 BWPD.

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748-1471.

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Legal 13327