

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

S. P. YATES
CHAIRMAN OF THE BOARD
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TREASURER

December 17, 1990

New Mexico Oil Conservation Division P.O. Box 2088 Santa Fe, NM 87501

Re: C-108 for Texas Crude "AHL" State #1
A 27-14S-34E

Gentlemen,

In reference to the above mentioned well which Yates Petroleum recently filed Form C-108, we would like to have the application withdrawn.

Enclosed is the resubmittal for authorization to inject.

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

Sincerely,

Paul Ragsdale

PR/sj

OIL CONSERVATION DIVISION POST OFFICE BOX 2008 BTATE LAND OFFICE BUILDING BANTA FE, NEW MEXICO 87503

FORM C-108 Revised 7-1-81

I.	Purpose: Secondary Recov	ery Pressure Maintenance XX Disposal Storage administrative approval? XX yes Ono
11.	Operator: Yates Petroleum	Corporation
	Address: 105 S. 4th Stre	eet Artesia, NM 88210
	Contact party: Paul Ragsdale	Phone: (505) 748-1471
111.		required on the reverse side of this form for each well ction. Additional sheets may be attached if necessary.
IV.		isting project? yes XX no er number authorizing the project
٧.	Attach a map that identifies injection well with a one-hal well. This circle identifies	all wells and leases within two miles of any proposed f mile radius circle drawn around each proposed injection the well's area of review.
VI.	penetrate the proposed inject well's type, construction, da	n all wells of public record within the area of review which ion zone. Such data shall include a description of each te drilled, location, depth, record of completion, and HI illustrating all plugging detail.
VII.	Attach data on the proposed o	peration, including:
	 Whether the system is Proposed average and Sources and an apprope the receiving forma If injection is for dator within one mithe disposal zone for 	maximum daily rate and volume of fluids to be injected; open or closed; maximum injection pressure; riste analysis of injection fluid and compatibility with tion if other than reinjected produced water; and isposal purposes into a zone not productive of oil or gas le of the proposed well, attach a chemical analysis of ormation water (may be measured or inferred from existing, nearby wells, etc.).
111.	detail, geological name, thic bottom of all underground sou total dissolved solids concen	data on the injection zone including appropriate lithologic knass, and depth. Give the geologic name, and depth to rees of drinking water (aquifers containing waters with trations of 10,000 mg/l or less) overlying the proposed such source known to be immediately underlying the
IX.	Describe the proposed stimula	tion program, if any.
Χ.	Attach appropriate logging and with the Division they need no	d test data on the well. (If well logs have been filed ot be resubmitted.)
XI.	Attach a chemical analysis of available and producing) with location of wells and dates sa	fresh water from two or more fresh water wells (if in one mile of any injection or disposal well showing amples were taken.
CII.	examined available geologic an	must make an affirmative statement that they have and engineering data and find no evidence of open faults ction between the disposal zone and any underground
11.	Applicants must complete the '	'Proof of Notice" section on the reverse side of this form.
av.	Certification ·	•
	I hereby certify that the info to the best of my knowledge ar	·
	Name: Paul Ragsdale	7 Title Petroleum Engineer
	Signature: / and Kag	Date: December 17, 1990

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:
 - (1) 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.

- 8. 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.

C-108

APPLICATION FOR AUTHORIZATION TO INJECT YATES PETROLEUM CORPORATION TEXAS CRUDE AHL STATE #1 A 27-14S-34E 660' FNL and 660' FEL LEA COUNTY, NEW MEXICO

- I. The purpose of re-entering this well is to dispose of Pennsylvanian produced waters into the Canyon formation.
- II. Operator: Yates Petroleum Corporation
 105 South Fourth Street
 Artesia, New Mexico 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. (See Attachment B)
 - VI. There are wells within the one-half mile radius of the Texas Crude AHL State #1. Tabulation of data on all wells within area of review which penetrate the proposed injection zone. (See Attachment C)
- VII. 1. Proposed average daily injection volume approximately 500 BWPD. Maximum daily injection volume approximately 1000 BWPD.
 - 2. This will be a closed system.
 - 3. Proposed average injection pressure: 1500 psi Proposed maximum injection pressure: 2000 psi
 - 4. Sources of injected water would be produced water from the Permo-Penn formation. (See Attachment D)
- VIII. 1. The proposed injection interval is from 10716'-10724' in the Canyon formation.
 - Fresh water in the Ogalla overlie the proposed injection zone to depths of approximately 450'.
 - IX. The proposed disposal interval will be stimulated with 5000 gallons of 20% HCL acid.
 - X. Logs were filed at the Oil Conservation Division when the well was originally drilled to a total depth of 11515'.

- XI. The approximate location of the nearest fresh water well is in Section 34, Township 14 South, Range 34 East. A water analysis of a sample from this well is attached. (See Attachment E)
- XII. Yates Petroleum Corporation has examined available geologic and engineering data and has found no evidence of faulting in the proposed interval.

XIII. Proof of Notice

- Copies of certified letters sent to the owner of the surface of the land on which the well is located and to each leasehold operator within the area of review. (See Attachment F)
- Copy of legal advertisement. (See Attachment G)
- XIV. Certification is signed.

YATES PETROLEUM CORPORATION TEXAS CRUDE AHL STATE #1 A 27-14S-34E

ATTACHMENT A

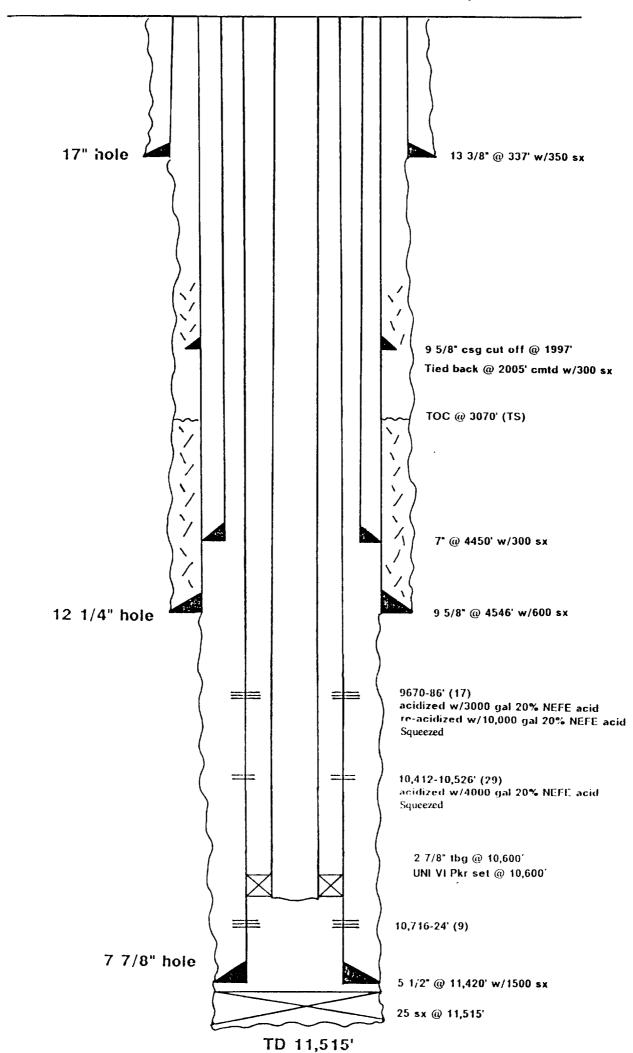
III. Well Data

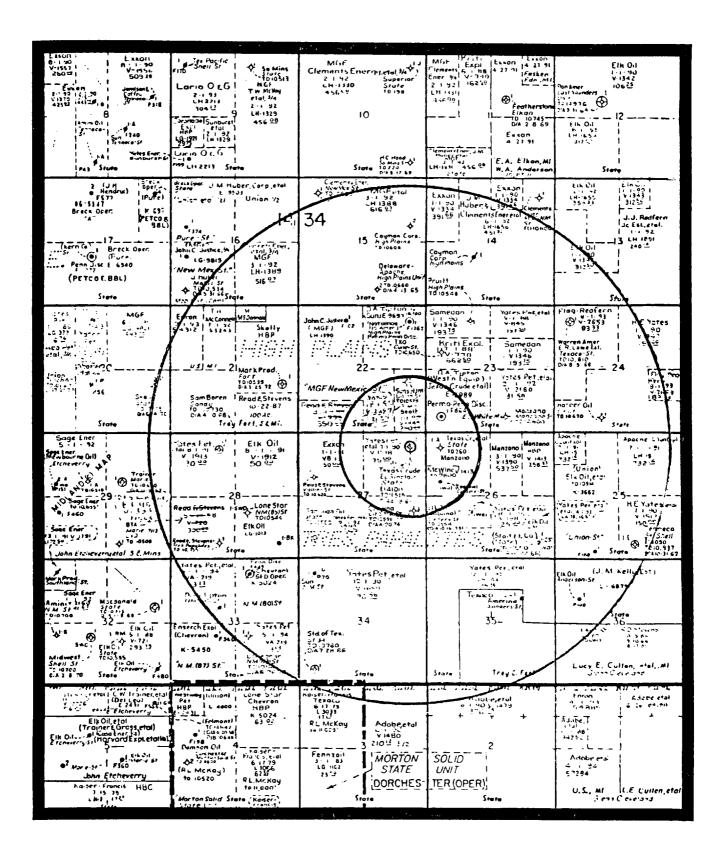
- A. 1. Lease Name/Location:
 Texas Crude AHL State #1
 Unit A Sec 27-T14S-R34E
 660' FNL and 660' FEL
 - 2. Casing Strings:
 13 3/8" set at 337' with 350 sx. Circulated
 cement to surface.
 9 5/8" set at 4546' with 500 sx. Estimated
 TOC at 2000 ft.
 7" set at 4450' with 300 sx.
 5 1/2" set at 11420' with 1500 sx.
 - Tubing: Propose to use 2 7/8" 6.5# plastic coated tubing set at approximately 10600'.
 - 4. Packer:
 Propose to use Guiberson UNI VI nickel plated packer set at 10600'.
- B. 1. Injection Formation: Canyon
 - 2. Injection interval will be through perforations from approximately 10716'-10724'.
 - 3. Well was originally drilled as a Canyon; however, the zone was not commercial.
 - 4. Perforations: Abo 9670'-9686' Bough - 10412'-10526' Canyon - 10716'-10724'
 - 5. Next higher (shallower) oil zone is the San Andres. The next lower (deeper) oil zone is the Strawn.

YATES PETROLEUM CORPORATION TEXAS CRUDE "AHL" STATE #1 SEC 27-14S-34E UNIT A

660' FNL & 660' FEL LEA COUNTY, NEW MEXICO CANYON FORMATION

Diagrammatic Sketch of Proposed Salt Water Disposal Well





YATES PETROLEUM CORPORATION

TEXAS CRUDE "AHL" STATE #1

PROPOSED SALT WATER DISPOSAL WELL
SEC. 27-T14S-R34E
660' FNL & 660' FEL
LEA COUNTY, NEW MEXICO

ATTACHMENT B

ATTACHMENT C

TEXAS CRUDE AHL STATE #1 C-108 Application for Authorization to Inject

Tabulation of Data on Walls Within Area of Review

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64-26-74	09-18-77	05-18-63	04-11-63	04-20-66	Completion Date
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Not Producing P & A	10,4017-10,4097	None	10,4537-10,486	Not Preducing	Revierations Revierations
70 fe fr	10,401'-10,409' Acidized w/ 250 gal 15% NE; 2000 gal 15% NE; 6000 gal 15% NE	D & A	10,453'-10,455' Acidized #/590 gal acid	Wat Producing — Ab≥odored = 0WXO	erforations Completion Information

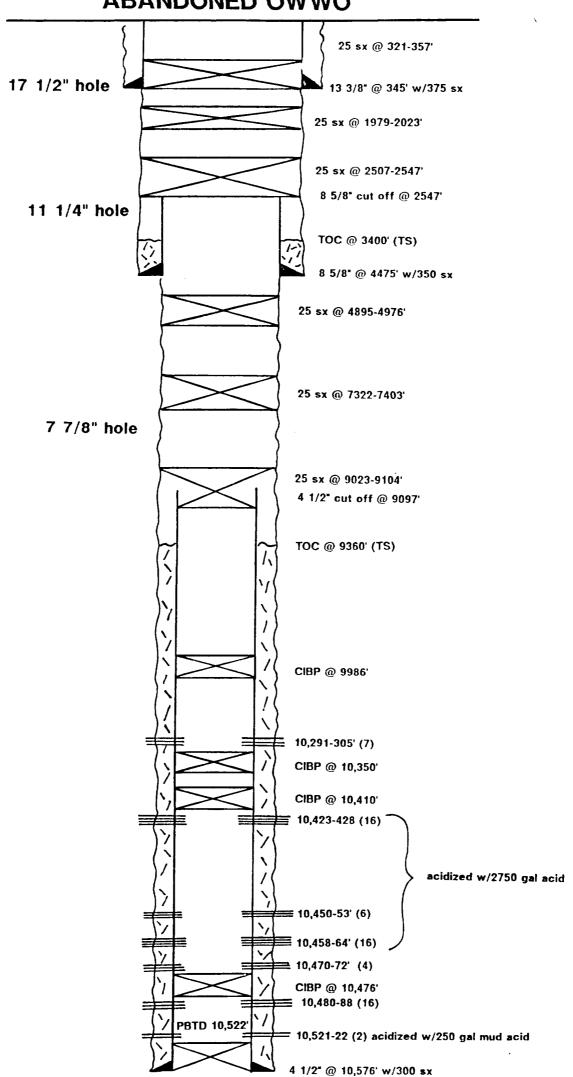
DWIGHT A. TIPTON UNION STATE #1 SEC 22-14S-34E UNIT I

2086' FSL & 766' FEL LEA COUNTY, NEW MEXICO

SPUD: 2-16-66

COMP: 5-04-66

ABANDONED OWWO



TEXAS CRUDE OIL CO. AND SINCLAIR OIL & GAS CO.

STATE "A" #1 - 26

SEC. 26 - T14S - R34E

UNIT D

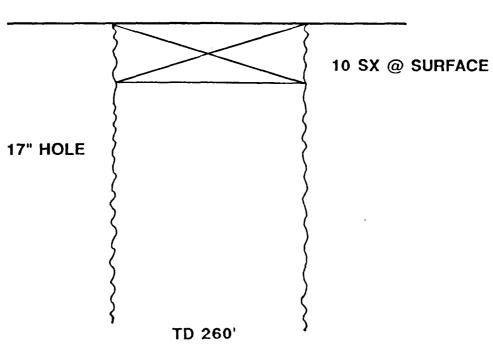
660' FNL & 660' FWL

LEA COUNTY, NEW MEXICO

SPUD: 05 - 09 - 63

COMP: 05 - 28 - 63

D & A



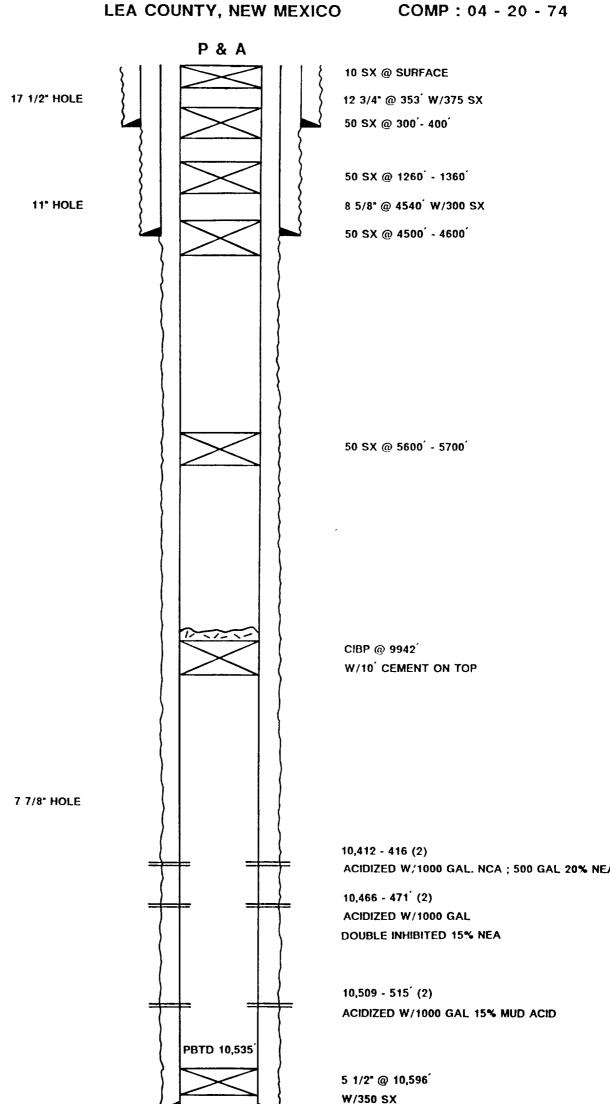
COQUINA OIL CORPORATION

CITIES SERVICE STATE #3 SEC. 27 - T14S - R34E

UNIT I

1980 FSL & 510 FEL

SPUD: 10 - 16 - 73



TD 10.596

ATTACHMENT D

WATER ANALYSIS

Test Taken 07-02-90

9670'-9686' ABO

Sp. Gravity	1.097 @ 74 deg
Resistivity	0.062 @ 74 deg
рН	5.9
Sulfate	857
Iron	125
Bicarbonates	723
H2S	Nil
Chloride	74,749
Calcium	6563
Magnesium	4696
Sod & Pot	32,748
KCL	Negative

WATER ANALYSIS

Test Taken on 07-22-90

10412'-10418' BOUGH C

Sp. Gravity	1.038 @ 72 deg
рн	6.6
Iron	500+
Calcium	116
Magnesium	3090
Sulfate	1830
Bicarbonate	482
Chloride	25,819
Sod & Pot	11,826
Gravity	39.6 deg API
-	60 deg F

LOCATION	
YOUR FAT NO.	

ATTACHMENT D

THE WESTERN COMPANY

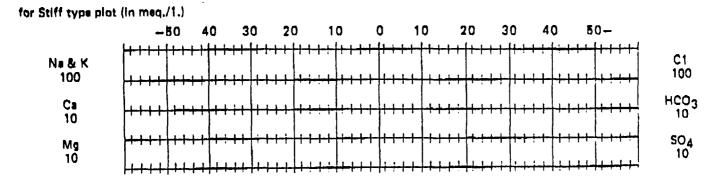
WATER ANALYSIS

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GENER	AL INFORMATION
OPERATOR WATES	DATE SAMPLED
WELL TEXAS CRUDE	DATE RECEIVED 6 - 30 - 50
FIELD	SUBMITTED BY
FORMATION 10716'-10724'	WORKED BY BREWER
COUNTY	SAMPLE DESCRIPTION:
STATE	sulfide water :
DEPTH	

	PHYSICAL AND CHEMI	CAL DETERMINATIONS	
SPECIFIC GRAVITY	1.023 AT 74 °F	TOTAL DISSOLVED SOLIDS	PPM
ρΗ	6.8	RESISTIVITY 0.210 @ 74°	PPM
IRON	Nil	SULFATE /900 /857	PPM
HYDROGEN SULFIDE	Strung	BICARBONATE 1455	PPM
HARDNESS 5.2		CHLORIDE 3.9	PPM
CALCIUM 4.3/1.0	1681	SODIUM CHLORIDE	PPM
MAGNESIUM 0.91.0	214 PPM	SODIUM	PPM
SODIUM & POTASSIUM	8 994 PPM	POTASSIUM KCI Tost- Negaline	PPM
PHOSPHATE			-

REMARKS:



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⁻ Section containing Fresh Water Well

⁻ Proposed Salt Water Disposal Well

ATTACHMENT E

Fresh Water Well Locations and Test Results furnished by the New Mexico State Engineer's Office

	A	<u>B</u>		<u>c</u>	$\overline{\mathbf{D}}$	E			
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	84/11/28 SE		DP	36	635	0	1284	25-05028	0
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COLUMN

Α	Date	Well	Was	Sampled	

Well Location В

Chlorides ppm С

Specific Conductivity Micromhos Temperature of Sample D

ATTACHMENT F

1



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

JOHN A. YATES
PRESIDENT
PEYTON YATES
EXECUTIVE VICE PRESIDENT
RANDY G. PATTERSON
SECRETARY
DENNIS G. KINSEY
TREASURER

S. P. YATES CHAIRMAN OF THE BOARD

December 17, 1990

CERTIFIED RETURN RECEIPT

BUREAU OF LAND MANAGEMENT P.O. Box 1397 Roswell, NM 88201 Attn: Barbara Bills

Re: C-108 for Texas Crude "AHL" State #1
A 27-14S-34E

Dear Ms. Bills,

Enclosed please find a copy of Yates Petroleum's resubmittal of Form C-108 for authorization to inject on the above mentioned well. Due to objections, we will squeeze the Abo and Bough perforations and inject into the Canyon formation only.

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

Sincerely,

Paul Ragsdale

PR/sj



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

December 17, 1990

CERTIFIED RETURN RECEIPT

Mr. John C. Justice 1002 Lincoln Road Hobbs, NM 88240

Re: C-108 for Texas Crude "AHL" State #1 A 27-14S-34E

Dear Mr. Justice,

Enclosed please find a copy of Yates Petroleum's resubmittal of Form C-108 for authorization to inject on the above mentioned well. Due to objections, we will squeeze the Abo and Bough perforations and inject into the Canyon formation only.

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

Sincerely,

Paul Ragsdale

PR/sj



105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210

TELEPHONE (505) 748-1471

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

S. P. YATES

December 17, 1990

CERTIFIED RETURN RECEIPT

MFG Corporation P.O. Box 1099 Hobbs, NM 88240

Re: C-108 for Texas Crude "AHL" State #1 A 27-14S-34E

Dear Sirs,

Enclosed please find a copy of Yates Petroleum's resubmittal of Form C-108 for authorization to inject on the above mentioned well. Due to objections, we will squeeze the Abo and Bough perforations and inject into the Canyon formation only.

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

Sincerely,

Paul Ragsdale

PR/sj



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

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

TREASURER

S. P. YATES

December 17, 1990

CERTIFIED RETURN RECEIPT

Mr. Dwight Tipton P.O. Box 1025 Lovington, NM 88260

Re: C-108 for Texas Crude "AHL" State #1 A 27-14S-34E

Dear Mr. Tipton,

Enclosed please find a copy of Yates Petroleum's resubmittal of Form C-108 for authorization to inject on the above mentioned well. Due to objections, we will squeeze the Abo and Bough perforations and inject into the Canyon formation only.

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

Sincerely,

Paul Ragsdale

PR/sj



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

December 17, 1990

HOBBS NEWS SUN
201 North Thorp
Hobbs, NM 88240
ATTN: Mr. Don Teer
Business Manager

Dear Mr. Teer,

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

Please place this notice in your newspaper Tuesday, December 18, 1990, and forward a copy of it and the affidavit along with your billing as soon as possible to:

Yates Petroleum Corporation 105 South 4th Street Artesia, NM 88210 ATTN: Stormi Johnson

If you have any questions, please feel free to contact me at (505) 748-1471, Ext. 164. Thank you for your attention in this matter.

Sincerely,

Stormi Johnson

Engineering Technician

ATTACHMENT G

LEGAL NOTICE

Yates Petroleum Corporation, 105 South Fourth Street, Mexico 88210, has filed form C-108 Artesia, New (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for an injection well. The proposed well, the "Texas Crude AHL State #1" is located 660' FNL and 660' FEL of Section 27, Township 14 South, Range 34 East of Lea County, New Mexico, will be used for saltwater disposal Disposal waters from the Permo-Penn will be reonlv. injected into the Canyon formation below a depth of 10,600 feet with a maximum pressure of 2000 psi, and a maximum rate of 1000 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, New Mexico 87501, within 15 days. Additional information can be obtained by contacting Paul Ragsdale at (505) 748-1471.



STATE OF NEW MEXICO . CONSIGN

ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION AT 11 03 HOBBS DISTRICTOR FIRE

12-19-90 **GARREY CARRUTHERS** GOVERNOR

POST OFFICE BOX 1980 HOBBS, NEW MEXICO 88241-1980 (505) 393-6161

OIL CONSERVATION DIVISION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501
RE: Proposed: MC DHC NSL NSP SWD WFX PMX
Gentlemen:
I have examined the application for the:
yates let Corp Jeras Crude AHL State #1-A-27-14-39 Operator Lease & Well No. Unit S-T-R
and my recommendations are as follows:
Yours very truly,
Jennessey 2
/Jerry Sexton Supervisor, District 1



JOHN A. YATES

PRESIDENT

DENNIS G. KINSEY TREASURER

105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210

TELEPHONE (505) 748-1471

January 2, 1991

New Mexico Oil Conservation Division P.O. Box 2088 Santa Fe, NM 87501

C-108 for Texas Crude "AHL" State #1 Re:

Gentlemen,

Please find enclosed the affidavit of publication for the above-mentioned well for which Yates recently filed Form C-108.

If I can be of further assistance, please contact me at (505) 748-1471.

Sincerely,

Stormi Johnson

SJ/

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.
I, DON TEER
of the Hobbs Daily News-Sun, a daily newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period
of
ONE weeks.
Beginning with the issue dated
DECEMBER 18, 1990 and ending with the issue dated
DECEMBER 18, 1990
Don
Business Manager. Sworn and subscribed to before me this
Secember, 1990
Khonda Copelars Notary Public.
My Commission expires
JULY 24 , 1991

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

(Seal)

LEGAL NOTICE December 18, 1990

LEGAL NOTICE
December 18, 1990

Yates Peiroleum Corporation, 195 South Fourth
Street, Artesia, New Mexico 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 "Texas Crude AHL
State #1" is located 660'
FNL and 660' FEL of Section 27, Township 14 South,
Range 34 East of Lea
County, New Mexico, will
be used for saltwater disposal only. Disposal waters
from the Permo-Penn will
be reinjected into the Canyon formation below a
depth of 10,600 feet with a
maximum pressure of 2000
psi, and a maximum rate
of 1000 BWPD. psi, and a maximum rate of 1000 BWPD.

All interested parties opposing the aforementioned must file objections or requests for a hearing with the Oil Conservation

Division, P.O. Box 2001, Santa Fe, New Meaning 97501, within 15 days. Ad-differed information can be obtained by contacting Paul Ragsdale at (595) 748-1471.