

S. P. YATES CHAIRMAN OF THE BOARD N DIOHO HO VATES

PEYTON YATES EXECUTIVE VICE PRESIDENT

105 SOUTH FOURTH STREET

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RANDY & PATTERSON DENNIS G. KINSEY TREASURER

ARTESIA, NEW MEXICO 88210 TELEPHONE (505) 748-1471

August 28, 1992

New Mexico Energy & Minerals Department **Oil Conservation Division** P.O. Box 2088 Santa Fe, NM 87501

Attention: Ben Stone

RE: Chalupa AAD State #4 - C-108 Application

Dear Mr. Stone,

Please find enclosed the information you requested regarding the salt water disposal application for the above-mentioned well.

If I can be of further assistance, please notify me.

Sincerely,

chuch Morga

Chuck Morgan P.E.

CM/sj

AFFIDAVIT OF PUBLICATION

State of New Mexico, County of Lea.

I. Kathi Bearden

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

Aug. 7 , 1992 and ending with the issue dated

19_92 7 General Manager

Sworn and subscribed to before

me this	day of
<u>110146 1012</u>	. 19/12
Pauli Par	1111
Notary Public.	···· /
My Commission expire	s

_, 19<u>95</u> 5 Αυα (Seal)

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. LEGAL NOTICE August 7, 1992 Yates Petroleum Corporation, 105 South Fourth Street, Artesia, NM 88210, has filed form C-108 (Application for Inject) with the New Mexico Oil Conservation Division seeking administrative approval for an injection well. The proposed well, the "Chalupa AAD State #4".located 330" FSL & 330" FWL of Section 13, Township 14 South, Range 33 East of Lea County, New Mexico will be used for saltwater disposal. Disposal waters from the Bough will be re-injected into the Bough and Canyon at a depth of 9888-10550 feet with a maximum pressure of 1975 psi and a maximum rate of 5000 BWPD. All interseted paving

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 Chuck Morgan at (505) 748-1471.

500-900

RECEIVED A.M. 🛛 P.M. 🗖 AUG 1 7 1992

ACCOUNTS PAYABLE PRE-PAID

SENDER: Complete items 1 and/or 2 for additional services I also wish to receive the Complete items 3, and 4a & b. following services (for an extra Print your name and address on the reverse of this form so that we can fee): return this card to you. Attach this form to the front of the mailpiece, or on the back if space 1. Addressee's Address does not permit. Write "Return Receipt Requested" on the mailpiece below the article number Receipt 2.
Restricted Delivery The Return Receipt will show to whom the article was delivered and the date 5 delivered. Consult postmaster for fee. 3. Article Addressed to: Article Number Return 38.4 exaco USA Service Type 4b 00 Box 2100 Registered Insured using Certified ADDRESS et, CO 80201 **Return Receipt for** Express Mail Merchandise ę Date of Delivery -90-97 NON RETURN 5. Signature (Addressee) 8. Addressee's Address (Only if requested ¥ and fee is paid) nar 6. Signature (Agent) December U.S.G.P.O. : 1992-PS Form 1991 \$ OMESTIC RETURN RECEIPT SENDER: Sugar Carto I also wish to receive the Complete items 1 and/or 2 for additional service following services (for an extra Complete items 3, and 4a & b. Print your name and address on the reverse of this form so that we can fee): return this card to you. 1. Addressee's Address Attach this form to the front of the mailpiece, or on the back if space ū does not permit. . Write "Return Receipt Requested" on the mailpiece below the article number 2. Restricted Delivery The Return Receipt will show to whom the article was delivered and the date Consult postmaster for fee. delivered. Article Number 3.-Article Addressed 384 4b. Service Type Registered Insured Certified 🦂 Return Receipt for Express Mail <u>Merchandise</u> 7. Date of Delivery 8. Addressee's Address (Only if requested 5. Signature (Addressee) and fee is paid) 6. Signature (Age 1991 ☆ U.S.G.P.O.: 1992-307-530 DOMESTIC RETURN RECEIP PS Form 1. December SENDER: III Complete items 1 and/or 2 for additional services Complete items 3, and 4a & b. I also wish to receive the following services (for an extra Print your name and address on the reverse of this form fee): return this card to you. 1. Addressee's Address Attach this form to the front of the mailpiece, or on the back if space does not permit. . Write "Return Receipt Requested" on the mailpiece below the article number 2. C Restricted Delivery The Return Receipt will show to whom the article was delivered and the date Consult postmaster for fee. 3. Article Addressed Article Number Gillespise 4b. Service Type Registered Insured Certified COD Express Mail Return Receipt for 7. Date of Delivery Addressee's Address (Only if requested Signature (Addressee 8. and fee is paid) ۳ ۳ .6.7 Signature (Agent) : 1992-307-530 4 December DOMESTIC RETURN RECEIPT

ENER	GY AND MINERALS DEPARTMENT	POST OFFICE BOX (1988)	\bigcirc	Revised 7-1-81
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APPLIC	ATION FOR AUTHORIZATION TO INJECT	•.	,	A DIVISION
Ι.	Purpose: Secondary Recovery Application qualifies for admin	Pressure Maint	enance XE ? Xyes	Displash1 Distorage
ΙΙ.	Operator: Yates Petroleum Corp	poration	<u> 192 EU:</u>	4 em 9 26
	Address: 105 S. 4th Str.			
	Contact party:Chuck Morgan		Phone:	(505)748-1471
	Well data: Complete the data requ proposed for injection	vired on the revers Additional shee	e side of th ts may be at	is form for each well tached if necessary.
IV.	Is this an expansion of an existin If yes, give the Division order nu		es 🕅 no he project _	•
۷.	Attach a map that identifies all w injection well with a one-half mil well. This circle identifies the	le radius circle dr	awn around e	
* VI.	Attach a tabulation of data on all penetrate the proposed injection z well's type, construction, date dr a schematic of any plugged well il	one. Such data sh illed, location, d	all include a epth, record	a description of each of completion, and
VII.	Attach data on the proposed operat	ion, including:		
	 Proposed average and maxim Whether the system is open Proposed average and maxim Sources and an appropriate the receiving formation If injection is for dispos at or within one mile of the disposal zone format literature, studies, near 	a or closed; num injection press e analysis of injec if other than rein sal purposes into a the proposed well tion water (may be	ure; tion fluid a jected produ zone not pro , attach a cl	nd compatibility with ced water; and oductive of oil or gas hemical analysis of
*VIII.	Attach appropriate geological data detail, geological name, thickness bottom of all underground sources total dissolved solids concentrati injection zone as well as any such injection interval.	s, and depth. Give of drinking water ons of 10,000 mg/l	the geologic (aquifers con or less) ove	c name, and depth to ntaining waters with erlying the proposed
· · IX.	Describe the proposed stimulation	program, if any.	•	
* X.	Attach appropriate logging and tes with the Division they need not be		. (If well)	logs have been filed
* XI.	Attach a chemical analysis of fres available and producing) within on location of wells and dates sample	e mile of any inje	r more fresh ction or disp	water wells (if bosal well showing
	Applicants for disposal wells must rexamined available geologic and en or any other hydrologic connection source of drinking water.	gineering data and	find no evid	dence of open faults
XIII.	Applicants must complete the "Proo	f of Notice" secti	on on the rev	verse side of this form.
XIV.	Certification			
	I hereby certify that the informat to the best of my knowledge and be		this applica	ation is true and correct
	Name: Chuck Morgan	ΤΤ	itle <u>P.E.</u>	
	Signature: Charle Mary	\sim	Date: Augus	st 3, 1992
submi	e information required under Sectio tted, it need not be duplicated and e earlier submittal.	ns VI, VIII, X, an resubmitted, Ple	d XI above ha ase show the	as been previously date and circumstance
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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 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. D. Box 2008, 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.

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENTIVISION

OIL CONSERVATION DIVISION HOBBS DISTRICT OFFICE, 92 AU: 1 d PM 10 06

8-12-92

STATE OF NEW MEXICO

Post office Box 1980 Hobbs, New Mexico 88241-1980 (505) 393-6161

BRUCE KING GOVERNOR

OIL CONSERVATION DIVISION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

RE: Proposed:

MC			
DHC			
NSL			
NSP		- /	
SWD	X		
WFX			
PMX			

Gentlemen:

GU

I have examined the application for the:

Cery, Chalup AAD State #4-M 13-14-33 Lease & Well No. Unit S-T-R Vates Petroleum

and my recommendations are as follows:

Yours very truly

Jerry Sexton Supervisor, District 1

/ed

C-108 Application For Authorization To Inject Yates Petroleum Corporation Chalupa "AAD" State #4 M 13-14S-33E Lea County, New Mexico

I. The purpose of completing this well is to make a disposal well for produced Bough water into the Bough and Canyon.

Yates Petroleum plans to convert this well to a water disposal well into the Bough and Canyon.

- II. Operator: Yates Petroleum Corporation South Fourth Street Artesia, NM 88210 Chuck Morgan (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. No wells within the area of review penetrate the proposed injection zone. (See Attachment C.)
- VII. 1. Proposed average daily injection volume approxi-3000 BWPD. Maximum daily injection volume approximately 5000 BWPD.
 - 2. This will be a closed system.
 - 3. Proposed average injection pressure-unknown. Proposed maximum injection pressure--1975 psi.
 - 4. Sources of injected water would be produced water from the Bough. (See Attachment D.)
 - 5. See Attachment D.
- VIII. 1. The proposed injection interval is the portion of the Bough and Canyon formations consisting of porous Lime and Dolomite from estimated depths of 9888' to 10,550'.
 - 2. Fresh water zones overlie the proposed injection formations in the Ogollala at approximately 250' and possibly the Chinlee which immediately underlies the Ogollala. Thereare no unknown fresh water zones underlying the formation.
- IX. The proposed disposal interval may be acidized with 7-1/2% or 15% HCL acid.
- X. Logs were filed at your office when the well was drilled in 1986.

C-108 Application for Authorization to Inject Chalupa AAD State #4 -2-

- XI. No windmills exist within a one mile radius of the subject location.
- XII. Yates Petroleum Corporation has examined geologic and engineering data. No evidence of open faults or any other hydrologic connections between the disposal zone and any underground fresh water aquifers have been found.
- XIII. Proof of Notice:
 - A. Certified letters sent to the surface owner and offset operators-attached. (Attachment E)
 - B. Copy of legal advertisement attached. (Attachment F)
- XIV. Certification is signed.

Yates Petroleum Corporation Chalupa "AAD" State #4 M 13-14S-33E Lea County, New Mexico

Attachment A Page 1

III. Well Data

A. 1. Lease Name/Location: Chalupa "AAD" State #4 M 13-14S-33E 330' FSL & 330' FWL

- 2. Casing Strings:
 - a. Present Well Condition

 13-3/8" 54.5# @ 465' w/450 sx (circ)
 8-5/8" 32# @ 4225' w/1000 sx (circ)
 5-1/2" 17# @ 10175' w/1075 sx (TOC 6800')
 2-7/8" tubing @ 9801'

Present TD: 10209' PBTD: 9980'

- Proposed well condition: Casing same as above 2-7/8" 6.5 N80 plastic-coated injection tubing @ 9780'
- 4. Propose to use Guiberson or Baker plastic-coated or nickel-plated packer set at 9780'.
- B. 1. Injection Formation: Bough and Canyon
 - 2. Injection Interval will be through perforations from approximately 9888-10,010' and open hole from 10,135-10,550'.
 - 3. Well was originally drilled as an exploratory Bough oil well. Well will be Bough and Canyon water disposal well when work is completed.
 - 4. Perforations:
 - a. 9888-9912'
 - b. 9929-9957' Permo Penn
 - c. 10002-10024' Squ. 75 sx
 - d. 10002-10010' Re-perforated
 - e. 10057-10066' Squ. 60 sx
 - 5. Next higher (shallower) oil or gas zone within 2 miles--Wolfcamp Next lower (deeper) oil or gas zone within 1/2 mile--None.



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YATES PETROLEUM CORPORATION

CHALUPA "AAD" STATE #4

PROPOSED SALT WATER DISPOSAL WELL

330'FSL & 330'FWL SEC 13-T14S-R33E LEA COUNTY, NEW MEXICO

ATTACHMENT B

ATTACHMENT C

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Chalupa AAD State #4 Form C-108 Tabulation of Data on Wells Within Area of Review

Completion Information	13-3/8" @ 450' w/450 sx 8-5/8" @ 4242' w/1270 sx 5-1/2" @ 10,202' w/2230 sx 2-7/8" tbg @ 9728'	13-3/8" @ 450' w/450 sx 8-5/8" @ 4250' w/1750 sx 5-1/2" @ 10,197' w/1500 sx 2-7/8" tbg @ 10,056'	12-3/8" @ 524' w/600 sx 8-5/8" @ 4189' w/2500 sx 5-1/2" @ 10,100' w/2250 sx 2-3/8" tbg @ 9785'	11-3/4" @ 1730' w/1947 sx 8-5/8" @ 4200' w/1750 sx 5-1/2" @ 10,100' w/1857 sx 2-7/8" tbg @ 10,100'
Perforations	9821-9892'	9986-10,044'	9814-9988'	9783-9953'
Producing Zone	Permo Penn	Permo Penn	Permo Penn	Permo Penn
Total <u>Depth</u>	10,202'	10,197'	10,100'	10,100'
Completed	10/28/84	3/11/85	9/26/85	4/15/87
Spud	8/2/84	12/2/84	8/7/85	3/10/87
Type	Oil	Oil	Oil	Oil
Operator	YPC	YPC	Texaco	Texaco
Well Name	Chalupa AAD State #1 E 13-14S-33E	Chalupa AAD State #2 L 13-14S-33E	New Mexico BG State NCT-1 #7 L 14-14S-33E	New Mexico BG State NCT-1 #10 O 14-14S-33E

1343-4		SION LAGORATORY	
•	HALLIBURTO: MIDLAND	DIVISION	
	ARTESIA, NEW LABORATORY W	MEXICO 88210 Ater analysis No	W196-87
To. Billy Horner		Date0	ctober 13, 1987
Yates Petroleum	Corporation		of Holliburtan Company and neither a capy thereof is to be published
105 South Fourt	h Street	or disclosed without first se of laboratory management;	curing the express written approval it may however, be used in the operations by any person or concern
Artesia, NM 88	210		siving such report from Halliburton
Submitted by	······································	Date Rec. 0	ctober 12, 1987
Well No. Chalupa #4	Depth	Formation	
		Source	
Resistivity	0.29 @ 70°	·	
Specific Gravity	1.016	<u></u>	
рН	7.8	· · · · ·	·
Calcium (Ca)	1,052		*MPL
Magnesium (Mg)	640		
Chlorides (Cl)	13,500		
Sulfates (SO_)	Heavy		
Bicarbonates (HCO3)	<u>1,464'</u>		
Soluble Iron (Fc)	Nil		
•••••••••••••••••••••••••••••••••••••••	<u>``</u>	•	
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Remarks:			*Milligrams per liter
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NOTICE This report is limited to the described sample tested. Any user of this report agrees that Halliburtan shall not be liable for any lass andamage, whether it has to act or amission, resulting from such report or its use.

ATTACHMENT E

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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

August 3, 1992

CERTIFIED RETURN RECEIPT

Texaco USA P. O. Box 2100 Denver, CO 80201

Dear Sir:

Enclosed please find a copy of form C-108 (Application for Authority to Inject) on Yates' Chalupa AAD State #4 located in Unit M of Section 13-T14S-R33E.

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

Sincerely,

Chuck maga

Chuck Morgan Engineer

CM/sj

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· . ·



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

August 3, 1992

CERTIFIED RETURN RECEIPT

Amerada Hess Corporation P. O. Box 840 Seminole, TX 79360

Dear Sir:

Enclosed please find a copy of form C-108 (Application for Authority to Inject) on Yates' Chalupa AAD State #4 located in Unit M of Section 13-T14S-R33E.

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

Sincerely,

Chuck Morgan

Engineer

CM/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

August 3, 1992

CERTIFIED RETURN RECEIPT

Charles B. Gillespie P. O. Box 8 Midland, TX 79702

Dear Sir:

Enclosed please find a copy of form C-108 (Application for Authority to Inject) on Yates' Chalupa AAD State #4 located in Unit M of Section 13-T14S-R33E.

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

Sincerely,

Church Morga

Chuck Morgan ² Engineer

CM/sj

Attachment F

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 "Chalupa AAD State #4" located 330' FSL & 330' FWL of Section 13, Township 14 South, Range 33 East of Lea County, New Mexico, will be used for saltwater disposal. Disposal waters from the Bough will be re-injected into the Bough and Canyon at a depth of 9888-10550 feet with a maximum pressure of 1975 psi and a maximum rate of 5000 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 Chuck Morgan at (505) 748-1471.

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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

August 3, 1992

Hobbs News Sun 201 North Thorp Hobbs, NM 88240

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 Friday, August 7, 1992 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: Chuck Morgan

If you have any questions, please contact me at 748-1471, Ext. 198. Thank you for your cooperation in this matter.

Sincerely,

Chuck Morga

Chuck Morgan P.E.

CM/sj