

Oil and Gas Producers

P.O. Box 937 Sundown Highway Farm to Market Road 300 Levelland, Texas 79336 806/894-8589

February 11, 1982

Oil Conservation Division 1000 Brazos Road Aztec, NM 87410

Gentlemen,

Attached is an application to dispose of salt water in the Media Entrada Unit well #4. This is the second filing of this request due to a lack of information and outdated C-108 form which was submitted 12-1-81. Mr. Simpson's cooperation and assistance in this matter is appreciated.

Sincerely,

James F. Sieck

District Engineer

JS/pkb

FEB 25 1982 OIL COM. COM. DIST. 3

POST OFFICE BOX 20HB STATE LAND OFFICE BUILDING BANTA FE NEW MEXICU 8/501

APPLICA	TION FOR AUTHORIZATION TO INJECT
I.	Purpose: Secondary Recovery Pressure Maintenance Disposal Storage Application qualifies for administrative approval? Types Inc
11.	Operator:petro Lewis Corporation
	Address: P.O. Box 937 Levelland, TX 79336
	Contact party:
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 xx no 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.
• VI.	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.
* X.	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 available 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.
	Name:
•	Signature: Signature: Date: 2/11/82
submi	e information required under Sections VI, VIII, X, and XI above has been previously tted, it need not be duplicated and resubmitted. Please show the date and circumstance e earlier submittal. An electric log was submitted 12-1-81 along with a prior

filing for SWD approval.

NISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division

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.

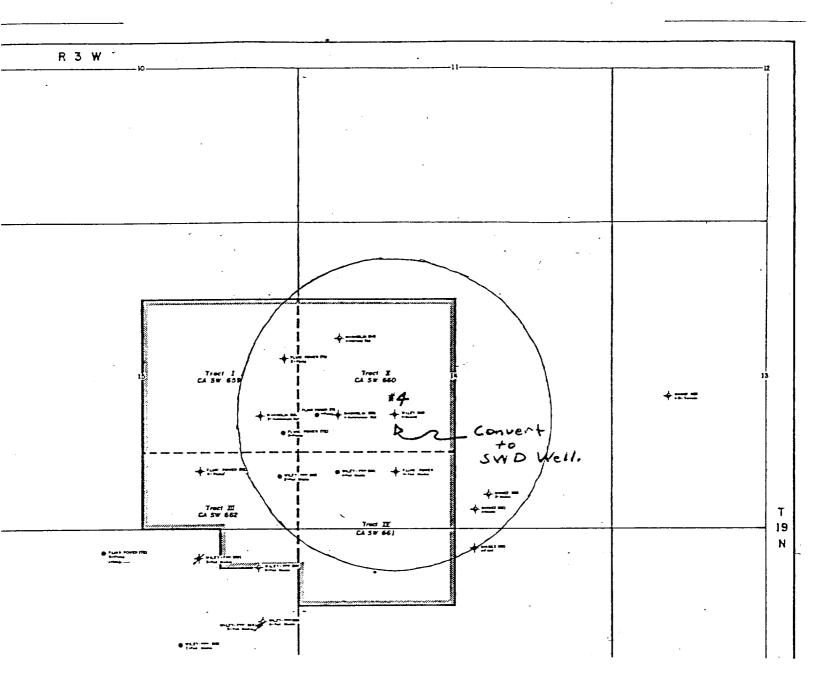
Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (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.

PETRO-LEW	IS CORPORATION		Media Entra	da Unit		
OPLRATOR			LEASE			2 12
#4	1650' FWL	1980'FSL	14		19-N	3-W
WELL NO.	FOOTAGE LOCAT	100	SECTION		TOWNSILLE	RANGE
Sch	ematic			Tabula	r Deta	_
	÷		Surface Casing			
			Size 8 5/8		Cemented with	140sx.
			TOC _Surface_	feet	determined by	Circulated
			Hole size	L2 ¹ 4"		
			Intermediate Ca	sing		
		•	Size		Cémented with	sx
•			тос	feet	determined by _	
			Hole size			
	-		Long string			
			Size 5½	H	Cemented with	548sx
			TOC 2214	feet	determined by _	Circulation
•			Hole size	7 7/8"		
			Total depth	5346'		
			Injection inter	val		
			5214	feet to	5298 indicate which)	feet
			Perforated of	орон-полед .	indicate milety	



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<u>-</u> .	SWD	990'FSL,1650'FWL, Sec. 14, T19N, R3W, Sandoval Co., New Mexico	Media Entrada ∦8
	011 Producer	SW½ of SE½ Sec. 14, T19N, R3W, Sandoval Co., New Mexico	Media Entrada #7
	0il Producer	940'FSL, 330'FEL,Sec. 15, T19N, R3W,Sandoval Co., New Mexico	Nedia Entrada ∦6
			•
<u> </u>			Operator: Petro-Lewis
6-30-69	Oil Producer	14	Media Entrada #4
11-29-71	011 Producer	2310'FNL, 330'FEL, Sec.15, T19N,R3W,Sandoval Co., New Mexico	Operator: Petro-Lewis Corporation
			Medla Entrada #2
			_
	SWD	1980'FSL, 330'FWL, Sec.14, T15N, R3W, Sandoval Co.;	Media Entrada #1 Operator: Petro-Lewis
Date Spudded Completed	Туре	Location: Unit Sec., Twp., Range	Well Name, Number

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Media Entrada Unit #4
Sec. 14, T19N, R3W
Sandoval County, New Mexico

RE: Para VII-C-108

DATA ON PROPOSED OPERATION

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

Average daily rate of 3000 BWIPD Maximum Daily rate of 5000 BWIPD

- 2. System is closed.
- 3. Proposed average and maximum injection pressure: Average injection pressure 750 psi Maximum injection pressure 1000 psi
- 4. A. Source of injection fluid: Produced water from Media Entrada Unit, Entrada formation
 - B. Analysis of formation fluid: N/A
- 5. Zone of disposal is productive of oil within one mile of the proposed disposal well.

Media Entrada Unit #4
Sec. 14, T19N, R3W
Sandoval County, New Mexico

RE: Para VIII-C-108

GEOLOGICAL DATA

Pool: Media Entrada Unit

Formation: Entrada

Geological Name: Entrada Thickness: at 116 feet Depth: at 5230 feet

Injection Interval: 5214-5298 feet

RE: Para IX-C-108

STIMULATION PROGRAM

No stimulation program is currently being proposed for this well.

Media Entrada Unit #4
Sec. 14, T19N, R3W
Sandoval County, New Mexico

RE: Para X-C-108

LOGGING AND TEST DATA

An electric log was filed with the New Mexico Oil Conservation Division 12-1-81.

RE: Para XI-C-108

CHEMICAL ANALYSIS OF FRESH WATER

There are no producing fresh water wells within one mile of the proposed disposal well. Therefore, a sample was not obtained and analyzed.

Media Entrada Unit #4
Sec. 14, T19N, R3W
Sandoval County, New Mexico

RE: Para XII-C-108

AFFIRMATIVE STATEMENT

Petro-Lewis Corporation has examined available geologic and engineering data and finds no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

Media Entrada Unit #4 Sec. 14, T19N, R3W Sandoval County, New Mexico

RE: Para XIII-C-108

NOTICE

Surface Owners: Bureau of Land Management

P.O. Box 1440

Santa Fe, New Mexico 87501

United States Geological Survey Suite 815, 505 Marquette NW Albuquerque, New Mexico 87102

Leaseholders within one-half mile:

Marshal and Winston, Inc.

Box 874

Midland, TX 79703

P.O. Box 937 Levelland, Texas 79336

806 894-8589

CONTACT: James F. Sieck
Petro-Lewis Corporation
intends to convert the Media
Entrada Unit No. 4 into a salt
water disposal well in order to
dispose of water produced
from the Entrada formation in
adjacent wells. Well location
is 1650' FWL and 1980' FSL of
Section 14, Township 19
North, Range 3 West, Sandoval County, New Mexico.
The injection interval is
through perforations from
5214-5298' in the Entrada
formation. The maximum anticipated injection rate is 3%
BPM at 1,000 psi. Maximum
anticipated volume is 5000
BPD.
Interested parties must file Texas 79336 806 894-8589 STATE OF NEW MEXICO, County of Bernalillo attladmy. of Albuquerque Journal, and that this newssays that he is. paper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Session Laws of 1937, and that payment therefor has been made or assessed as court costs; that the notice, a copy of which is hereto attached, was published in said paper in the regular daily edition, BPD.
Interested parties must file objections or requests for hearing with the Oil Conservation Division, P.O. Box 2088, Sants Fe, New Mexico 87501 within 15 days.
Journal February 17, 1982 times, the first publication being on theday ., 19弘為 and the subsequent consecutive publications on ୰ଵ୰୰୰୰୷୵୷୵୷<mark>୵୷୰୷୰୷୵୵</mark> OFFICIAL SEAL Sworn and subscribed to before me, a Notary Public in and for the County of Bernalillo and State of New Mexico, SYLVA L. NUANES

INCITARY PUBLIC - NEW MEXICO LONE FILED WITE SECRETARY OF STATE

My Commission Expires

11-18-8

My commission expires

SENDER: Complete items 1, 2, and 3. Add your address in the "RETURN TO" space on 1. The following service is requested (check one.) Show to whom and date delivered..... Show to whom, date and address of delivery.... ☐ RESTRICTED DELIVERY Show to whom and date delivered..... ☐ RESTRICTED DELIVERY. Show to whom, date, and address of delivery.\$. (CONSULT POSTMASTER FOR FEES) ARTICLE ADDRESSED TO RETURN RECEIPT, ARTICLE DESCRIPTION: REGISTERED NO. CERTIFIED NO. INSURED NO. 582124 (Always obtain signature of addressee or agent) I have received the article described above SIGNATURE □Addressee □Authorized agent ġ NEURED SENT DATE OF DELIVERY POSTMIRE AND CERTIFIED ADDRESS (Complete only if requ UNABLE TO DELIVER BECAUSE: CLEAK'S

DUITIALS

10 GPO: 1979-306-459

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PS Farm	SENDER: Complete items 1, 2, and 3. Add your address in the "R reverse.							
3811, Jen. 1979	1. The following service is requested (check one.)							
	(CONSULT POSTMASTER FO	R FEES)						
	2. ARTICLE ADDRESSED TO:							
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RECEIP	3. ARTICLE DESCRIPTION:							
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TERED, INSURED	I have received the article described ab SIGNATURE DAGRESSEE THATTHE							
		,						
AND CEAT	5. ADDRESS (Complex only if requested)							
FIED MAIL	6. UNABLE TO DELIVER BECAUSE:	CLERKS						

Notary Public.

being duly sworn declares and