STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

of the earlier submittal.

OIL CONSERVATION DIVISION

POST OFFICE BUX 2088
STATE LAND OFFICE BUX DING
SANTA FE NEW MIR XICO 87501

FORM C-108 Revised 7-1-81

1.	Purpose: Secondary Recovery : Pressure Maintenance Disposit Storage Application qualifies for administrative approval?
II.	Operator: El Ran, Inc.
	Address: P.O. Box 911
	Contact party: Robert R. Ranck Phone: 806/763-4091
III.	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? \mathbf{x} yes \mathbf{no} R7044 If yes, give the Division order number authorizing the project $\mathbf{R7044}$
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.).
III.	Attach appropriate geological data on the injection zone including appropriate lithological, qeological name, thickness, and denth. Give the geologic name, and denth 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.
ιx.	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.)
xt.	Attach a chemical analysis of frosh 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.
an.	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 correto the best of my knowledge and belief.
	Name: Robert R. Ranck Title Vice-President
	Signature: Robert R Ranch Date: 3/23/88

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, hule 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.

TOE 4325'		4176'-4294' }	Perfs }	$\widetilde{\mathbb{M}}$						· ·		<u></u>		<u></u>		Schematic			WELL NO.	El Ran, Inc. OPERATOR	
3a5'	} +16 @ 43a4'			PXr @ 4076							0% (- 140	S 05/ 6 1770'							FOOTAGE LOCATION		
	(perforated or open	Injection Interval	Total Depth4324	Hole Size	TOC <u>3356</u> feet	Size 4 1/2 "	Long String	Hole Size	TOCfeet	Size	Intermeditate Casing	Hole Size 12 3/4	TOC <u>surface</u> fee	Size <u>8 5/8</u> "	Surface Casing		SURVEY	NABA	34 SECTION	LEASE	
	open-hole, indicate which)				et determined by <u>calculation</u>	Cemented with 175 sxs		-	t determined by	Cemented withsxs.			feet determined by <u>calculation</u>	Cemented with600 sxs		Tabular Data	COUNTY	Roosevelt	TOWNSHIP RANGE		

•	4. •	ω •		1.	Other	(or		Tubing
Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.	If no, for what purpose was the well originally drilled? <u>to produce oil</u> Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used.	Is this a new well drilled for injection? Yes X No	Name of Field or Pool (if applicable) Chaveroo Field	Name of the injection formation San Andres	r Data	(or describe and other casing-tubing seal).	Elder T Tension packer at 4076 feet (brand and model)	ng Size 2 3/8 lined with plastic coating set with a

TDE 4343'	4345 - 4397 S									ليد					Schematic			3 3	Ei Ran, Inc. OPERATOR
343'	4/2 @ 4342'		PX- @ 4064								\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\						1	1980' FEL & 1650' FSL FOOTAGE LOCATION	
	Injection Interval 4164 4243 feet to (perforated or open-hole	Total Depth 4342	Hole Size7_7/8	TOC 3374 feet	Size 4 1/2 "	Long String	Hole Size	TOCfeet	Size	Intermeditate Casing	Hole Size 13 3/8	TOC <u>surface</u> feet	Size <u>8 5/8</u> "	Surface Casing	Ы	SURVEY	N. D. V.	34 SECTION	Byron LEASE
	4218 o 4297 feet hole, indicate which)			t determined by <u>calculation</u>	Cemented with 175 sxs.		'-	determined by	Cemented withsxs.			t determined by <u>calculation</u>	Cemented with 600 sxs.		<u>Tabular Data</u>	COUNTY	Roosevelt	7 South 32 East TOWNSHIP RANGE	

• •	4.	ယ •	2	-	(or de			Tub
Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.	Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used.	Is this a new well drilled for injection? Yes X No If no, for what purpose was the well originally drilled? to produce oil	Name of Field or Pool (if applicable) Chaveroo Field		(or describe and other casing-tubing seal).	(brand and model)	Elder T Tension packer at 4064 feet	Tubing Size 23/8 lined with <u>plastic coating</u> set with a

TD@ 4316'		() (8454-14767)												<u></u>	Schematic			WELL NO.	•	El Ran, Inc. OPERATOR
316' 316'	~~~		PKr @ 4147						~~~		8 % @ 1693'	~~~		ו				\circ		
(perforated or open-	Injection Interval	Total Depth4315	Hole Size7_7/8	TOC3347feet	Size 4 1/2 "	long String	Hole Size	TOCfeet	Size	Intermeditate Casing	Hole Size 12 3/4	TOC <u>surface</u> fe	Size <u>8 5/8</u> "	Surface Casing		SURVEY	NMPM	SECTION	u	Carroll LEASE
ect to 4278 feet open-hole, indicate which)				et determined by <u>calculation</u>	Cemented with 175 sxs.		•	t determined by	Cemented withsxs.			feet determined by calculation	Cemented with 550 sxs.		<u>Tabular Data</u>	COUNTY	Chaves	DWNSHIP	2 2 9	

TD@ 4313'		(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)												- -	Schematic			WELL NO.	s	El Ran, Inc.
313' 4% @ 4312'											8 % @ 1665'	~~~	~~~					OTAGE LOCATIO	990' FSI & 990' FFI	
(perforated or open-hole.	Injection Interval	Total Depth4312	Hole Size	TOC 3344 feet	Size 4 1/2 "	Long String	Hole Size	TOCfeet	Size	Intermeditate Casing	Hole Size12 3/4	TOC <u>surface</u> feet	Size 8 5/8 "	Surface Casing	الما	SURVEY	NMPM	SECTION	ယ	Carroll LEASE
to 4281 feet h-hole, indicate which)		!		t determined by <u>calculation</u>	Cemented with175 sxs.		•	determined by	Cemented withsxs.			t determined by <u>calculation</u>	Cemented with 575 sxs.		<u>Tabular Data</u>	COUNTY	Chaves	7 .	8 South 32 East	

	•		•	ယ •	2.	•	Other	(or		Tubing
None	Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.	and give plugging detail (sacks of cement or bridge plug(s) used.	no, for what purpose was the well originally drilled? <u>to produce oil</u>	Is this a new well drilled for injection? YesX No	Name of Field or Pool (if applicable)Chaveroo Field	Name of the injection formation San Andres	r Data	(or describe and other casing-tubing seal).	Elder T Tension packer at 4093 feet (brand and model)	ng Size 23/8 lined with <u>plastic coating</u> set with a

TD@ 4309'			101-4272 101-4272									<u>)~</u>			\ \ - -	Schematic		WELL NO.	2	El Ran, Inc. OPERATOR
309'	\ 41/2 @ 4308 '											8% @ 1695'						OTAGE	1650' FNL & 2200' FWL	
(perforated or open-hole	feet	Injection Interval	Total Depth 4308	Hole Size7_7/8	TOC3340 feet	Size 4 1/2 "	Long String	Hole Size	TOCfeet	Size"	Intermeditate Casing	Hole Size12_3/4	TOC <u>surface</u> feet	Size 8 5/8 "	Surface Casing		NMPM	SECTION	ယ	Dachner LEASE
hole, indicate which)	to 4272 feet		1	Ì	et determined by <u>calculation</u>	Cemented with 175		1_	t determined by	Cemented with			et determined by <u>calculation</u>	Cemented with 550		<u>Tabular Data</u>	Chaves COUNTY	OWNSHIP RAN	8 South 32 Fast	

U 1	•	ω •	2.	Other	(or		Tub
Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.	s the well ever been perforated in any other zone(s)? Lisd give plugging detail (sacks of cement or bridge plug(s)	Is this a new well drilled for injection? Yes X No If no, for what purpose was the well originally drilled? to produce oil	Name of the injection formation San Andres Name of Field or Pool (if applicable) Chaveroo Field	Data	(or describe and other casing-tubing seal).	Elder T Tension packer at 4087 feet	Tubing Size 2 3/8 lined with plastic coating set with a

TD@ 4396'	~~~~	4212'-4245'													Schematic		WELL NO.	66	El Ran, Inc.
(4% 6 4395'		THE PILA	· •						(8% @ 1683'						OTAGE LO)' FNL & 660' FWL	
ated or	Injection Interval 4212 4284 4285 feet	Total Depth 4395	Hole Size	TOC 3427 feet	Size 4 1/2 "	Long String	Hole Size	TOCfeet	Size	Intermeditate Casing	Hole Size12_1/2	TOC <u>surface</u> feet	Size 8 5/8 "	Surface Casing	H	SURVEY	SECTION	ω	Dachner LEASE
open-hole, indicate which)	4245 4334 to <u>4390</u> feet			et determined by calculation	Cemented with 175 sxs.			determined by	Cemented withsxs.			t determined by calculation	Cemented with 575 sxs.		<u>Tabular Data</u>	COUNTY	G	8 South 32 East RANGE	

Tu (o)	Size 2 3/8 lined with plastic coating (material) Elder T Tension packer at (brand and model) scribe and other casing-tubing seal). Data me of the injection formation San Andres me of Field or Pool (if applicable) Chaveroo Field this a new well drilled for injection? Ves X
• 7	Data me of the injection formation San
•	of Field or Pool (if applicable)
•	Is this a new well drilled for injection?YesXNo
	If no, for what purpose was the well originally drilled? <u>to produce oil</u>
4. •	Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used.
ن ن	Give the depth to and name of any overlying and/or underlying oil or gas this area.

JD@'	1918 - 110	(1) 100 100 100 100 100 100 100 100 100 1	Perfs	<u>X</u>							1			스 스 드	Schematic		WELL NO.	El Ran, Inc. OPERATOR
TD @ 4345'	{ 41/2 @ 4344'			PKr @ 4080'							8% @ 1760		~~~				FOOTAGE LOCATION	
4248 feet to feer for open-hole,	Injection Interval	Total Depth 4344	Hole Size	TOC <u>3376</u> feet	Size <u>4 1/2</u> "	Long String	Hole Size	TOCfeet	Size	Intermeditate Casing	Hole Size12 1/2	TOC <u>surface</u> feet	Size 8 5/8 "	Surface Casing	luž	NMPM	SECTION	Dachner LEASE
to 4304 feet -hole, indicate which)	A 2000		!	t determined by <u>calculation</u>	Cemented with 175		`-	determined by	Cemented with		i	et determined by <u>calculation</u>	Cemented with550		<u>Tabular Data</u>	Chaves COUNTY	TOWNSHIP RAN	
				ation	sxs.			•	sxs.			ation	sxs.				RANGE	

Tubing Size 2 3/8 lined with plastic coating set with (material) Elder T Tension packer at 4080 feet (brand and model) (or describe and other casing-tubing seal). Other Data 1. Name of the injection formation San Andres 2. Name of Field or Pool (if applicable) Chaveroo Field 3. Is this a new well drilled for injection? Yes X No If no, for what purpose was the well originally drilled? to produce oil 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used. No. No. No. Set with (material) Packer at 4080 feet with to and made of any overlying and/or underlying oil or gas zones (pools) in this area.		ა	•		ω •	2	1.	0th	(or		Tub
	None	the depth to and name of any overlying and/or underlying oil or gas zones area.	the well ever been perforated in any other zone(s)? List all such give plugging detail (sacks of cement or bridge plug(s) used.	no, for what purpose was the well originally drilled?to	this a new well drilled for injection?YesX	of Field or Pool (if applicable) Chaveroo	of the injection formation San	er Data	describe and other casing-tubing seal).	Tension packer at 4080	Size 2 3/8 lined with plastic coating (material)

TD@ 4360'	4293'- 4295 }E	4234'-4274'	4176-4182	Perfs X							1			~ ~ ~	Schematic		WELL NO.	El Ran, Inc. OPERATOR
360'	41/2 @ 4360'			TXT @ 4576							8% @ 1707		~~~				FOOTAGE LOCATION	
4176 feet (perforated or open	Injection Interval 4293	lotal Depth4360	Hole Size 777/8	TOC <u>3392</u> feet	Size 4 1/2 "	Long String	Hole Size	TOCfeet	Size	Intermeditate Casing	Hole Size12 1/4	TOC <u>surface</u> feet	Size <u>8.5/8</u> "	Surface Casing		NMPM	SECTION	Dachner LEASE
eet to 4182 feet open-hole, indicate which)	4 4 0 10 1 9 1 01		•	determined by	Cemented with 175			t determined by	Cemented with			determined by _	Cemented with575		Tabular Data	Chaves COUNTY	TOWNSHIP R	
				calculation	5 sxs.				sxs.			calculation	5 sxs.				RANGE	

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Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.	Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used.	Is this a new well drilled for injection? Yes X No If no, for what purpose was the well originally drilled? to produce oil	of Field or Pool (if applicable)	r Data Name of the injection formation San Andres	(or describe and other casing-tubing seal).	Elder T Tension packer at 4076 feet (brand and model)	ng Size 23/8 lined with <u>plastic coating</u> set with a

TDE 4330'		4168 116		Perfs											Schematic		WELL NO.	2	El Ran, Inc. OPERATOR
} 41/2 € 4329 ,30'			TKr @ 4060								≥ 85% © 1701'	~~~					FOOTAGE LOCATION	185	
4168 4219 feet to (perforated or open-hole	Injection Interval	Total Depth 4329	Hole Size	TOC <u>2670</u> feet	Size 4 1/2 "	Long String	Hole Size	TOCfeet	Size	Intermeditate Casing	Hole Size 12 1/4	TOC <u>surface</u> feet	Size <u>8 5/8</u> "	Surface Casing	h-3	SURVEY	SECTION	10	Griffin LEASE
4196 o 4291 feet hole, indicate which)				determined by	Cemented with3		•	determined by	Cemented with			determined by _	Cemented with		<u>Tabular Data</u>	Chaves COUNTY	TOWNSHIP	8 South	
r +				calculation	300 sxs.			•	sxs.			calculation	575 sxs.			Y	RANGE	32 East	

	ن				ω •			Other	(or		Tub
None	Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.	No	Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used.	If no, for what purpose was the well originally drilled? <u>to produce oil</u>	Is this a new well drilled for injection?YesXNo	Name of Field or Pool (if applicable) Chaveroo Field	Name of the injection formation San Andres	<u>C Data</u>	(or describe and other casing-tubing seal).	(brand and model)	Tubing Size 2 3/8 lined with plastic coating set with a

1D@ #	<u>~~</u> €	18ch-, LLH	72-fs {XXX								<u>}~</u>				Schematic			WELL NO.	•	El Ran, Inc. OPERATOR
1330' 436 4329'			TX-0 2077								8% C 1817							FOOTAGE LOCATION	EWI 6 10003	
(perforated or open-hole,	Injection Interval	Total Depth 4329	Hole Size	TOC <u>3361</u> feet	Size 4 1/2 "	Long String	Hole Size	TOCfeet	Size	Intermeditate Casing	Hole Size13_3/8	TOC <u>surface</u> feet	Size <u>8 5/8</u> "	Surface Casing	1.7	SURVEY	NMPM	SECTION	ω	Roberts LEASE
to 4284 feet n-hole, indicate which)				et determined by <u>calculation</u>	Cemented with175 sxs.		•	t determined by	Cemented withsxs.			et determined by <u>calculation</u>	Cemented with600 sxs.		<u>Tabular Data</u>	COUNTY	Chaves	TOWNSHIP RANGE	South	

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None	Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.	Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used.	If no, for what purpose was the well originally drilled? <u>to produce oil</u>	Is this a new well drilled for injection? YesX No	Name of Field or Pool (if applicable) Chaveroo Field	Name of the injection formation San Andres	r Data	(or describe and other casing-tubing seal).	Elder T Tension packer at 4077 feet (brand and model)	ng Size 2 3/8 lined with <u>plastic coating</u> set with a

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		4187'-4286'	Perfs	<u>a</u>							<u>}</u>			\	Schematic			WELL NO.	-	El Ran, Inc.
1326' 1326'			{ The C TOO!	1 LB CT CB C							8% @ 1701				io.			1650' FNL & 990' FEL		
(perforated or open-hole	Injection Interval	Total Depth 4325	Hole Size 7 7/8	TOC3357feet	Size 4 1/2 "	Long String	Hole Size	TOCfeet	Size	Intermeditate Casing	Hole Size12 1/4	TOC <u>surface</u> feet	Size <u>8 5/8</u> "	Surface Casing		SURVEY	SECTION	3	LEASE	Roberts
4286 , indicate		1	1	t determined by _	Cemented with _		1.	t determined by	Cemented with _			et determined by	Cemented with		Tabular Data	Ch Ch	TOWNSHIP	8 South		
feet which)				calculation	175 sxs.				sxs.			calculation	550 sxs.			Chaves	RANGE	32 East		

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Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.	Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used. No	me of Field or Pool (if applicable) Chaveroo Field this a new well drilled for injection? Yes X	Other Data 1. Name of the injection formationSan Andres	Elder T Tension packer at 4087 feet (brand and model)	Tubing Size 2 3/8 lined withplastic coating set with a coating a coating set with a coating a coating set with a coating

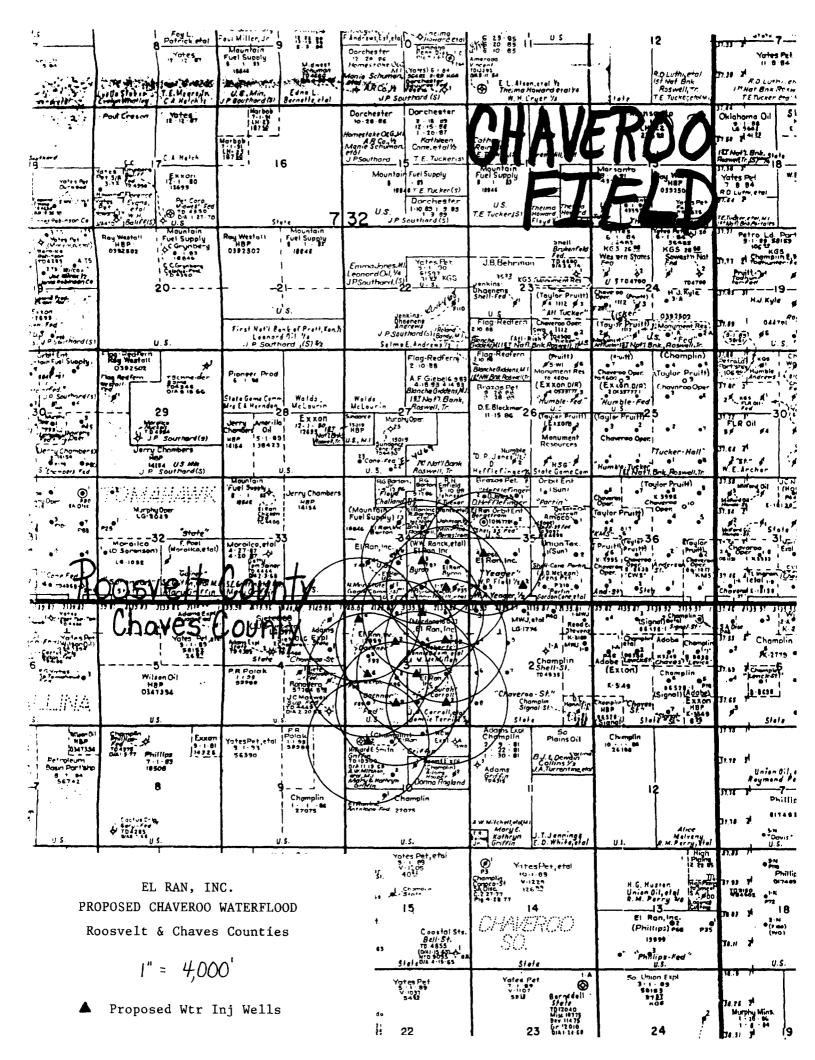
El Ran. Inc.		Yeager		
OPERAT		LEASE		
2	660' FNL & 2310' FSL	35	7 South	32 East
WELL NO.	OTAGE LOCATIC	SECTION	TOWNSHIP	7
		NMPM	Ro	Roosevelt
		SURVEY	6	COUNTY
Schematic	ic		Tabular Data	
		Surface Casing		
		Size <u>85/8</u> "	Cemented with	575 sxs.
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	TOC <u>surface</u> feet	et determined by	calculation
	0/8	Hole Size12 1/4	•	
		Intermeditate Casing		
		Size	Cemented with _	sxs.
		TOCfeet	determined by _	
		Hole Size	'.	
		Long String		
		Size 5 1/2 "	Cemented with	175 sxs.
X	PKr @ 7000	TOC 3407 feet	et determined by	calculation
Perfs		Hole Size 7 7/8	•	
4150'-4334'		Total Depth 4375	ł	
<u></u>		Injection Interval		
	99	4150 feet t	to 4334	feet

(perforated or open-hole, indicate which)

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Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.	If no, for what purpose was the well originally drilled? <u>to produce oil</u> Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used. No	this a new well drilled for injection? Yes X	me of the injection formation San Andres	(or describe and other casing-tubing seal). Other Data	Elder T Tension packer at 4050 feet (brand and model)	Tubing Size 2 3/8 lined with <u>plastic coating</u> set with (material)

J ~~	<u>~~</u>	4262'-4326'	Perts XX							<u></u>	<u></u>				Schematic			WELL NO.	Α.	El Ran, Inc.
1 45 @ 4376' 0 4378'			XXXX Flod					~~~			8% @ 360'							OTAGE LOCATION	1980' FSL & 660' FWL	
1262 feet to perforated or open-hole,	Injection Interval	Total Depth 4376	Hole Size	TOC3685feet	Size 4 1/2 "	Long String	Hole Size	TOCfeet	Size"	Intermeditate Casing	Hole Size13_3/4	TOC <u>surface</u> feet	Size <u>8 5/8</u> "	Surface Casing	4.3	SURVEY	NADA	SECTION	ဃ ပၢ	Yeager LEASE
to 4326 feet -hole, indicate which)		1	i	determined by _	Cemented with12		•	determined by	Cemented with		İ	determined by	Cemented with2		<u>Tabular Data</u>	COUNTY	Boosvel	OWNSHIP	7 South	
·				calculation	125 sxs.				sxs.			calculation	225sxs.				+	Z I	32 Fact	

•	ບາ •	•		ယ •		•	0th	(or			Tub
area. None	Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in	Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used.	If no, for what purpose was the well originally drilled? <u>to produce oil</u>	Is this a new well drilled for injection? Yes X No	Name of Field or Pool (if applicable) Chaveroo Field	Name of the injection formation San Andres	Other Data	(or describe and other casing-tubing seal).	(brand and model) packer at 4162 feet	(material)	Tubing Size 2 3/8 lined with plastic coating set with



VI.	Tabulation of Data on All Wells of Public Record Within the Area of Review:
	Company: E1 Ran P1065
	well No: Antelope Federal #1 of CIBPO 4100 w/35 sxs
	Well Type:
	Date Drilled: 12-6-83
	Location: 1650' FWL: 2310'FSL
	Record of Completion:
	TD: 4315' Surf Csg: 87861737 Prod Csg: 4/364309
	Perforations: 4137'- 4262'
	Company: E/ Ran
	well No: Byron #2
	Well Type: Oil, producing
	Date Drilled: 6-1-78
	Location: 660' FSL + 1980' FEL
	Record of Completion:
	TD: 4312 Surf Csg: 85/80 310 Prod Csg: 4/204312
	Perforations: 460 - 42581
	Company: El Ran
	Well No: Byron #4
	Well Type: oil producing
	Date Drilled: 5-4-79
	Location: 1650'FSL : 990' FEL
	Record of Completion:
	TD: 4325' Surf Csg: 85/80 1702' Prod Csg: 4/204324'
	Perforations: 4213'-4293'

VI.	Tabulation of Data on All Wells of Public Record Within the Area of Review:
	Company: El Ran
	Well No: Federal #1
	Well Type: oil, producing
	Date Drilled: 8-15-79
•	Location: 440' FNL : 2200' FWL
	Record of Completion:
	TD: 4298 Surf Csg: 87861710 Prod Csg: 4/264310
	Perforations: 4242' - 4276'
	Company: El Rah
	Well No: Frderal #3
	Well Type: Oil producing
	Date Drilled: 3-24-80
	Location: 2200 FSL: 2200 FWL
	Record of Completion:
	TD: 4396 Surf Csg: 8786/673 Prod Csg: 4/2 4388
	Perforations: 4/64'-4263'
	Company: El Ran
	Well No: Frderal #5
	Well Type: Oil producing
	Date Drilled: 11-20-80
	Location: 2200' FNL: 990' FWL
	Record of Completion:
	TD: 4325 Surf Csg: 85/8 @ 1749 Prod Csg: 41/2 @ 4325
	Perforations: 4180' - 4304'

VI.	Tabulation of Data on All Wells of Public Record Within the Area of Review:
	Company: El Rah
	Well No: Federal #7
	Well Type: Oil producing
	Date Drilled: 10-9-80
	Location: 990' FSL ': 990' FWL
	Record of Completion:
	TD: 4330 Surf Csg: 85/20 1704 Prod Csg: 4/204329
	Perforations: 4187' - 4289'
	Company: El Ran
	Well No: Griffin #1
	Well Type: oil producing
	Date Drilled: 6-26-83
	Location: 660'FNL 1980'FWL
	Record of Completion:
	TD: 4330' Surf Csg: 85/20 1701' Prod Csg: 430 4329'
	Perforations: 4/68'-4291'
	Company: El Rah
	Well No: Roberts #2
	Well Type:Oi/, Producing
	Date Drilled: 2-2-79
	Location: 440 FNL : 990' FEL
	Record of Completion:
	TD: 4333' Surf Csg: 9/40/1725 Prod Csg: 4/2 6 4332
	Perforations: 4192' - 4302'

VI.	Tabulation of Data on All Wells of Public Record Within the Area of Review:
	Company: E/Ran
	Well No: Roberts #4
	Well Type: Oil producing
	Date Drilled: 8-23-79
	Location: 1650' FNL : 1980'FEL
	Record of Completion:
	TD: 4312' Surf Csg: 8/80 1667 Prod Csg: 4/20 4311
	Perforations: 4180' - 4274'
	Company: El Ran
	Well No: Yeager # 1
	Well Type: oil, producing
	Date Drilled: 1-29-70
	Location: 1980'FSL : 1980'FWL
	Record of Completion:
	TD: 4420' Surf Csg: 85/2 0 355 Prod Csg: 4/2 0 4373'
	Perforations: 453' - 4353'
	Company: El Ran
	Well No: Yeager #2
	Well Type: oil, producing
	Date Drilled: $11-10-73$
	Location: 660 FSL 2310 FWL
	Record of Completion:
	TD: 4400' Surf Csg: 8/8@ 337' Prod Csg: 5/2 @ 4375
	Perforations: 4150'-4334'

VI.	Tabulation of Data on All Wells of Public Record Within the Area of Review:
	Company: El Ran
	Well No: Ypager #3
	Well Type:, producing
	Date Drilled: 3-17-75
	Location: 660'FSL '. 660' FWL
	Record of Completion:
	TD: 4384 Surf Csg: 8560 330' Prod Csg: 5/2C 4379
	Perforations: 4207' - 4341'
	Company: El Ran
	Well No: Sarah #1
	Well Type: oil, producing
	Date Drilled: 4-8-80
	Location: 990' FSL : 2200' FEL
	Record of Completion:
	TD: 4390' Surf Csg: 85/80/683' Prod Csg: 4/2 0 4390'
	Perforations: 4172' - 4284'
	Company: El Ran
	Well No: Sarah #2
	Well Type: oil, froducing
	Date Drilled: 4-16-80
	Location: 990' FEL : 2200' FSL
	Record of Completion:
	TD: 4395 Surf Csg: 85/81680 Prod Csg: 420 4394
	Perforations: 4203'-4286'

ZI.	Tabulation of Data on All Wells of Public Within the Area of Review:	Record
	Company: El Rah	
	Well No: Bergstrom #1	Plugs
	Well Type: Dil P: A12 4-16-85	CIBPE 4/00 w/100 pluy above
	Date Drilled:	100 plug.
	Location: 2200' FNL : 660' FEL	100' plug fram 1750' - 1450'
	Record of Completion:	
	TD: 4324' Surf Csg: 85/2 @ 1700 Prod Cs	g: 42e 4323'
	Perforations: 4142' - 4294'	
	Company: El Rah	
	Well No: Barton #	Plugs
	Well Type: 011, PiA12 9-28-84	CIBP E 4100' w/100' plug abour
	Date Drilled: 1-8-80	100' plug from 1735'- 1635'44
	Location: 2200' FNL ! 1980' FEL	10 plus @ surface (10 xs)
	Record of Completion:	
	TD: 4325' Surf Csg: 85/201706 Prod Cs	g: 4/2 @ 4325'
	Perforations: 4170' - 4294'	-
	Company: El Ran	- nl .
	Well No: U.S. #3	Plugs - CIBP @ 4090' w/ 35'plug
	Well Type: oil, PiAld	100' plug from 2450'-2350' Plug from 1700'-1590' 10' plug surface
	Date Drilled: 11-13-79	Plug from 1700'-/590'
	Location: 2000 FNL 2310 FWL	-
	Record of Completion:	
	TD: 4298 Surf Csg: 85/8 @ 1703 Prod Cs	sg: 4/204296
	Perforations: $4/40' - 4253$	

VI.	Tabulation of Data on All Wells of Public Record Within the Area of Review:
	Company: MW- Producing Co.
	Well No: Chaveroo State #8
	Well Type: oil, producing
	Date Drilled: $4-2-81$
	Location: 990 FSL: 330 FW Lof Sec 2 - 85-32E
	Record of Completion:
	TD: 4330' Surf Csg: 85/8 0 1785 Prod Csg: 4/2 0 4330'
	Perforations: 4202'-4318
	Company: MWJ Producing Co.
	well No: Chaveroo State # 6
	Well Type: oil, producing
	Date Drilled: 3-18-81
	Location: 2310' FSL: 330' FWL of Sec. 2-85-32E
	Record of Completion:
	TD: 4330' Surf Csg: 85/8 @ 1815' Prod Csg: 4/2 @ 4330'
	Perforations: 4202'-4320'
	Company: MW- Producing Co
	Well No: Chaveroo State # 5
	Well Type: Oil producing
	Date Drilled: 2-9-79
	Location: 1650' FNL: 1650' FWL of sec 2-85-32E
	Record of Completion:
	TD: 4380' Surf Csg: 8586/777' Prod Csg: 4264380'
	Perforations: 4221'-4313'

VI.	Tabulation of Data on All Wells of Public Record Within the Area of Review:
	Company: MWA Producing Co
	Well No: Chaveroo State # 4
	Well Type: oil producing
	Date Drilled: 1-18-79
	Location: 1650 FNL: 330 FWL of Sec 2-85-32E
	Record of Completion:
	TD: 4380' Surf Csg: 85/8 61769' Prod Csg: 42 6 4380'
	Perforations: 4205' - 4311'
	Company: MW & Producing Co
	Well No: Chaveroo State #3
	Well Type: oil, producing
	Date Drilled: 5-24-78
	Location: 330' FNL & 330' FWL of Sec 2-85-32E
	Record of Completion:
	TD: 4380' Surf Csg: 85/8/18/2 Prod Csg: 4/2 04368'
	Perforations: 4208'-4317'
	company: Chambers : Kennedy (Union Tex(sun))
	Well No: Shell-Cone-Partin #1
	Well Type: Oil, producing
	Date Drilled: $7-12-69$
	Location: 1980'FSL ! 1980'FEL of sec 35-75-32E
	December 1 Completion:
	TD: 4436 Surf Csg: 878 C 401 Prod Csg: 42 C 4436
	Perforations: 4182 - 4340'

VI.	Tabulation of Data on All Wells of Public Record Within the Area of Review:
	Company: Southwestern Nat' 6 695 (Orbit)
	Well No: Shell 35 Fed #1
	Well Type:
	Date Drilled: 4-12-68
	Location: 1980'FNL: 660' FWL of See 35-75-32E
	Record of Completion: 95/4 (47/0)
	TD: 9097' Surf Csg: 13/8/470' Prod Csg: 4/20 8855
	Perforations: 4194'-4371'
	Company: Southwestern Nat'/ Gas (Orbit)
	Well No: Shell 35 Fed #2
	Well Type: oil, producing
	Date Drilled: 8-12-68
	Location: 1980' FNL: 1980' FWL & Sec 35-75-32E
	Record of Completion:
	TD: 4475' Surf Csg: 701799' Prod Csg: 4/204475
	Perforations: 4192'-4380' Plugs
	Company: Adams Exploration CIBPE 4155' w/2052
	Well No: State 4 # 1 CIBPE 1675 W/353K
	Well Type: 01 P: A12 4-1-82 10 sks @ surface
	Date Drilled: 4-23-80
	Location: 660' FNL & 660' FEL' of sec 4-85-32E
	Record of Completion:
	TD: 4380' Surf Csg: 85/201868' Prod Csg: 4/204378'
	Perforations: 4426' - 4344'

VI.	Tabulation of Data on All Wells of Public Record Within the Area of Review:
	Company: Siete Dil & Gas
	Well No: Chaveroo State #1
	Well Type: Was Moradalenna," OWWO"
	Date Drilled: 424944 12-12-83
	Location: 1980' FNL: 660' FEL of Sec4-85-32E
	Record of Completion:
	TD: 4467' Surf Csg: 85/8 6/808 Prod Csg: 4/2 64467
	Perforations: 42251-43622 Plugs
	company: Adams Exploration Co. CIBPE 4200'
	Fodo 4 1 H-1 10-4-3200-3150
	0.1110-0.01 Lake $-1900-1800$
	Well Type: 011 , 1.40 , $1.$
	Location: 1980' F5L: 660' FEL of the 4-85-32E
	Record of Completion:
	TD: 4380 Surf Csg: 85/8/1853 Prod Csg: 4/2 0 4378
	Perforations: 4429'-4316'
	company: J.C. Maxwell
	Well No: Superior-Federal #1
	Well Type: Dry Abandoned
	Date Drilled: 1-10-66
	Location: 660 FSL: 660 FEL of Acc 4-85-30
	Record of Completion:
	TD: 4449' Surf Csg: 858 @ 376 Prod Csg: 4/2 @ 4440'
	Perforations:

VI.	Tabulation of Data on All Wells of Public Record Within the Area of Review:
	company: Brazos Petroleum
	Well No: Hefflefinger #1
	Well Type: Oil, producing
	Date Drilled: 12-30-83
	Location: 860' FNL! 1980' FWL of see 35-75-32E
	Record of Completion:
	TD: 4400' Surf Csg: 85/80500' Prod Csg: 41/2 64400
	Perforations: 4225' -4248'
	Company: Hillard ! Smith
	Well No: Griffin # 1
	Well Type: Dry : Abandoned
	Date Drilled: 9-20-69
	Location: 660' FNL: 660' FWL of sec 10-85-32E
	Record of Completion:
	TD: 10900' Surf Csg: 13/8 2378' Prod Csg: 85/8 2350
	Perforations:
	company: Adams Exploration (HCW Expl.)
	Well No: Gritth#2
	Well Type: oil, producing
	Date Drilled: $4-26-87$
	Location: 2030 FNL: 1980 FWL of Sec 10-85-32E
	Record of Completion:
	TD: 4284 Surf Csg: 85/8 @ 1850 Prod Csg: 4/2 @ 4284
	Perforations: 4151' -4245'

VI.	Tabulation of Data on All Wells of Public Record Within the Area of Review:
	company: Adams Exploration Plugs
	Well No: Hooper #1 CIBPE 4125
	Well Type: 01 P: Ad 3-13-82 25-5Ks-32-90'-3170' 405Ks - 70p 1810'
	Date Drilled: 3-27-81 255Ks - Top1750'
	Location: 1650 FNL : 2310 FEL of Sec 10-85-32E 505K5 - Top 1500'
	Record of Completion:
	TD: 4338 Surf Csg: 1336096 1 Prod Csg: 4/204335
	Perforations: 4224'-4304'
	company: Adams Exploration
	well No: Griffin #4 SWD
	Well Type: SWD
	Date Drilled: 7-8-8/
	Location: 660'FNL: 660'FEL
	Record of Completion:
	TD: 43/5 Surf Csg: 85/4 (1908 Prod Csg: 4/2 (43/3
	Perforations: 4/76 - 42/0
	Company: Adams Exploration
	Well No: Griffin # 1
	Well Type: Oil producing
	Date Drilled: 11-9-80
	Location: 330' FNL : 1980' FEL 4 sec 10-85-32E
	Record of Completion:
	TD: 4400 Surf Csg: 8% C /842 Prod Csg: 42 C 4400
	Perforations: 4176'-99', 4242'-4313'

VII.	Dat	a of the proposed operation:
1	١.	Proposed Average Daily Injection: 300 Maximum Daily Injection: 350
2	2.	System is OPEN OR CLOSED
3	3.	Proposed Average Injection Pressure: 1000 psi
		Maximum Injection Pressure: 1200 psi
VIII.	Geo	ological Data ological Name: San Andres
	Uno	derground Sources of Drinking Water:
		ological Name: Ogallala oth to Bottom of: 200'
. X 1	Des	scribe the proposed stimulation program:
	NΑ	

UNIVERSAL TREATING COMPANY WATER ANALYSIS

Company: EL RAN Date: 2-11-88

Lease: BYRON Well Number: FW POND

Wellhead Alkalinity = 102 mg/l

Total Hardness = 295 mg/l

Wellhead pH = 7.37

Resistivity = 1.7398 ohm-meters

Specific Gravity = 1.010

Total Dissolved Solids = 3,243 mg/1

Sodium (Na) = 782 mg/l

Calcium (Ca) = 220 mg/l

Magnesium (Mg) = 75 mg/1

Iron (Fe) = 0.2 mg/1

Chloride (C1) = 881 mg/l

Bicarb. (HCO3) = 102 mg/l

Sulfate (SO4) = 1,183 mg/l

Sulfide (S) = 0 mp/l

Carbonate Scaling Tendency: 0.10

Sulfate Scaling Tendency: -16.39

Comments: SAMPLE WAS TAKEN FROM THE POND ON THE BYRON

UNIVERSAL TREATING COMPANY

WATER ANALYSIS

Company: EL RAN Date: 2-11-88

Lease: FEDERAL Well Number: FW WELL

Wellhead Alkalinity = 195 mg/l

Total Hardness = 165 mg/l

Wellhead pH = 7.18

Resistivity = 8.6627 ohm-meters

Specific Gravity = 1.000

Total Dissolved Solids = 580 mg/l

Sodium (Na) = (13) mg/l

Calcium (Ca) = 122 mg/l

Magnesium (Mg) = 43 mg/1

Iron (Fe) = $\emptyset.4 \text{ mg/1}$

Chloride (C1) = 140 mg/l

Bicarb. (HCD3) = 195 mg/l

Sulfate (SO4) = 92 mg/l

Sulfide (S) = \emptyset mg/1

Carbonate Scaling Tendency: 0.12

Sulfate Scaling Tendency: -21.26

Comments: SAMPLE WAS TAKEN FROM THE WATER WELL ON THE FEDERAL

AFFIDAVIT

I, Robert R. Ranck, certify that a copy of El Ran, Inc.'s Form C-108 and attachments; which is our application to convert (13) of our wells in the Chaveroo Field, Roosvelt and Chaves Counties, New Mexico to injection Wells; has been sent to the following surface owners on March 23, 1988:

H. D. Carroll5229 - 16thLubbock, Texas 79416

Mrs. Tom Gainer
Box 65
Kenna, New Mexico 88122

New Mexico State Game & Fish Department Villagra Building Santa Fe, New Mexico 87503

> Robert R. Ranck Vice-President

State of Texas

County of Lubbock

The foregoing instrument was acknowledged before me this

23rd day of March, 1988.

Notary Public

My Commission Expires:

July 11, 1988



AFFIDAVIT

I, Robert R. Ranck, certify that a copy of El Ran, Inc.'s Form C-108 and attachments; which is our application (13) of our wells in the Chaveroo Field, Roosvelt and Chaves Counties, New Mexico to injection Wells; has been sent to the following offset operators on March 23, 1988.

Parker & Parsley Petroleum Co. Orbit Enterprises Box 3187 Midland, Texas 79702

P.O. Box 476 Lovington, N.M. 88260

MWJ Producing Company 1804 1st Nat'l Bk Bldg Midland, Texas 79701

Siete Oil & Gas 200 W 1 Roswell, N. M. 88260

Aren Petroleum 21 West Street, Room 1905 New York, N.Y. 10006

Brazos Petroleum P.O. Box 1782 Midland, Texas 79702

Union Texas Petroleum Co. 4000 N. Big Springs, St #500 Midland, Texas 79705

Celsius Energy Company P.O. Box 11070 Salt Lake City, Utah 84147

Desoto Oil 4131 N. Central Expwy., LB45 Dallas, Texas 75204

Ronadero Co., Inc. P.O. Box 430 Roswell, N. M. 88201

Champlin Petroleum Company P.O. Box 7946 Midland, Texas 79708

Vice-President

State of Texas

County of Lubbock

The foregoing instrument was acknowledged before me this

23 rd day of MARCh, 1988.

My Commission Expires:



& amended

VI.	Tabulation of Data on All Wells of Public Record Within the Area of Review:
• 1	Company: Anna Petroleum
	Well No: # Allic Partin BK
• '	Well Type:
	Date Drilled: $\frac{4-12-72}{}$
	Location: 660'FSL': 660'FEL of sec 35-75-32E
	Record of Completion: TD: 4400 Surf Csg: 85/2 8365 Prod Csg: 41/2 84400 /300.4kd
	TD: 4400 Surf Csg: 85/2 8365 Prod Csg: 41/2 84400 /300.4kg
	Perforations: 4271'-4317' Toce 2662
/	Company: Arens Petroleum
	Well No: #2 Allie Partin
	Well Type: oil
	Date Drilled: $6-21-72$
	Location: 668 FSL : 1980 FEL of Sec. 35-75-32E
	Record of Completion:
	Record of Completion: TD: 4370' Surf Csg: 85/8364 Prod Csg: 4370/3000632632 Perforations: 4273' - 43205'
, , , , , , , , , , , , , , , , , , ,	refrontations.
	Company: Chambers: Kennedy (Union Tex)
	Well No: # 2 Shell-Cone-Partin
	Well Type: oil
	Date Drilled: 1-6-70
	Location: 1980'FSL + 660'FEL & Auc 35-75-32E
	Record of Completion: /250 to surf
	Date Drilled: 1-6-70 Location: 1986'FSL + 660'FFL & Acc 35-75-32E Record of Completion: TD: 4380' Surf Csg: 85/20375'/Prod Csg: 5/204380'/37542 Perforations: 4/84'-4338' Toce (1523)
	Perforations: 4/84'-4338' TOC @ (1523)

Admended

State of New Mexico Form C-108 APPLICATION FOR AUTHORIZATINO TO INJECT

VI.	Tabulation of Data on All Wells of Public Record Within the Area of Review:
J	Company: MW & Producing
	Well No: #2 Chaveroo State
	Well Type:
	Date Drilled: $11-8-75$
	Location: 330'FNL: 2310'FWL of Su 2-85-32E
	Hecord of Completion: TD: <u>4386'</u> Surf Csg: <u>8562368</u> Prod Csg: <u>44264386</u> Process: <u>4303-4341'</u> Perforations: <u>4303-4341'</u> TOC @ 2503
	TD: 4386' Surf Csg: 85/8 (368) Prod Csg: 42 (4386)
	Perforations: 4303-4341 Toce 2503
	Company:
	Well No:
	Well Type:
	Date Drilled:
	Location:
	Record of Completion:
	TD: Surf Csg: Prod Csg:
	Perforations:
	Company:
	Well No:
	Well Type:
	Date Drilled:
	Location:
	Record of Completion:
	TD: Surf Csg: Prod Csg:

Perforations:

State of New Mexico Form C-108

	Form C-108
	APPLICATION FOR AUTHORIZATINO TO INJECT Considered of the control
	To a school of
VI.	Fabulation of Data on All Wells of Public Record Within the Area of Review:
<i>'</i>	Company: MW & Producing Co.
	Well No: Chaveroo State #8
	well Type: oil, producing
	Date Drilled: $4-2-81$
	Record of Completion: TD: 4330' Surf Csg: 85/8 6 1785 Prod Csg: 4/2 6 4330 345 447 Perforations: 4202' - 4318 700 6 2447
	Record of Completion:
	TD: 4330 Surf Csg: 85/8 6 1785 Prod Csg: 4/2 6 4330 /335
1	Perforations: 4202'-4318 TOC @ 244'
J	Company: MWJ Producing Co.
	Well No: Chaveroo State # 6
	well type: oil, producing
	Date Drilled: 3-18-81
	Location: 2310' FSL: 330' FWL of Sec. 2-85-32E Record of Completion: TD: 4330' Surf Csg: 85%@1915' Prod Csg: 4/204330' 325464 Perforations: 4202'-4320' TOC @ 2447'
	Record of Completion:
	TD: 4330 Surf Csg: 85/8 @ 1915 Prod Csg: 4/20 4330 325 APR
į	Perforations: 4202'-4320'
1	Company: MWJ Producing Co
	Well No: Chaveroo State # 5
	Well Type: Oil producing
	Date Drilled: $2-9-79$
	Location: 1650' FNL: 1650' FWL of Sec 2-85-32E
	Record of Completion:
	TD: 4380' Surf Csg: 8786/777 Prod Csg: 4264380
	Record of Completion: TD: 4380' Surf Csg: 85/86/777' Prod Csg: 4/264380' 2497' Perforations: 4221'-4313' Toce 2497'
	1 col. 3202

VI.	Tabulation of Data on All Wells of Public Record Within the Area of Review:
✓ ·	Company: MWA Producing Co
	Well No: Chaveroo State # 4
	Well Type: 01 producing
	Date Drilled: 1-18-79
	Location: 1650 FNL: 330 FWL of Sec 2-85-32E
	Record of Completion:
	Record of Completion: TD: 4380' Surf Csg: 85/8 61769 Prod Csg: 4/3 6 4380' 325 aks TO: 4380' TOC: 2497'
1	Perforations: 4205' - 4311' 70C' 24'
V	Company: MW & Producing Co
	Well No: Chaveroo State #3
	Well Type: oil producing
	Date Drilled: 5-24-78
	Location: 330' FNL & 330' FWL of Sec 2-85-32E
	Record of Completion:
	Record of Completion: TD: 4380' Surf Csg: 85/8(1812) Prod Csg: 4/2 (4368) 325,040 Perforations: 4208'-4317' TOC 2485
	Perforations: 4300 - 4311
J	company: Chambers : Kennedy (Union Tex (sun))
	Well No: Shell-Cone-Partin #1
	well Type: Oil, producing
	Date Drilled: 7-12-69
	Location: 1980 FSL : 1980 FEL of suc 35-75-32E
	Hecord of Completion:
	Hecord of Completion: TD: 4436 Surf Csg: 899 C 401 2500 Csg: 42 C 4436 375 MM Ferforations: 4192 - 4340' TO: 4340' TO: 4340' TO: 6 2263
	Ferforations: $4192' - 4340'$

VI.	Tabulation of Data on All Wells of Public Record Within the Area of Review:
/	Company: Southwestern Nat' 6 695 (Orbit)
	Well No: Shell 35 Fed #1
	Well Type:
	Date Drilled: 4-12-68
	Location: 1980 FNL! 660 FWL of See 35-75-32E 3613
	Hecord of Completion: 35/25/400 sks - 7050 36/3
	TD: 9097' Surf Csg: 13/40420' Prod Csg: 4/20 8855/150sks Toce 7986'
	Perforations: 4194'-4371' Tole 1986'
/	Company: Southwestern Nat'l Gas (Orbit)
	Well No: Shell 35 Fed #2
	Well Type: oil, producing
	Date Drilled: 8-12-68
	Record of Completion:
	Record of Completion:
	Record of Completion: 70: 4475 Surf Csg: 70/799 Prod Csg: 4/2 0 4475 Plus Plu
j	Perforations: 110 1300
	Company: Adams Exploration CIBPE 4155' w/200Ks
(Well No: State 4 # 1 CIBPE 1675 W/353Ks
``	Well Type: 01 P: A'd 4-1-82 10 sks @ surface
	Date Drilled: 4-23-80
	Location: 660' FNL & 660' FEL' of sec 4-85-32E
	Record of Completion:
	TD: 4380' Surf Csg: 85/20/868' Prod Csg: 4/204378'
	Perforations: 4426' - 4344'

VI.	Tabulation of Data on All Wells of Public Record Within the Area of Review:
J	company: Siete Dil & Gas
	Well No: Chaveroo State #1
	Well Type: War phroducting "OWWO"
	Date Drilled: 4014 9494 12-12-83
	Location: 1980' FNL: 660' FEL of sec4-85-32E
	Record of Completion: 0560,0000 1650 des to surf
	Hecord of Completion: TD: 4467 Surf Csg: 85/8 0/808 Prod Csg: 4/204467 250 John To 3015
j	Perforations: 42251-43621/2 Plugs
	company: Adams Exploration Co. CIBPE 4200',
d	Well No: Federa # 40sks - 3200-3150
·	Well Type: 01 P:Ad 95-81 Well Type: 01 P:Ad 95-81 20 sks e sarface
	Date Drilled: $7-27-80$
	Location: 1980 F5L: 660 FEL & sec 4-85-32E
	Record of Completion:
	TD: 4380 Surf Csg: 856 6 1853 Prod Csg: 42 6 4378
	Perforations: 4429'-4316'
•	Company: J.C. Maxwell
	Well No: Superior-Federal #1
	Well Type: Dry Abandoned
	Date Drilled: 1-10-66
	Location: 660 FSL: 660 FEL & Sec 4-85-30
	Record of Completion: \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
	Location: 660 = 5L ! 660 FEL of sec 4 - 85-3E Record of Completion: TD: 4449 Surf Csg: 856 2 376 Prod Csg: 4/2 64440 375 867
	Perforations:

vi.	Tabulation of Data on All Wells of Public Record Within the Area of Review:
V	Company: Brazos Petroleum
	Well No: Heff/rfinger #1
	Well Type: Oil, producing
	Date Drilled: 12-30-83
	Location: 860' FNL ! 1980' FWL of see 35-75-32E
	TD: 4400' Surf Csg: 85/8 0500' Prod Csg: 41/2 04400 700 0
	Ferforations: 4225'-4248'
	Company: Hillard ! Smith
	well No: Griffin # 1
	well Type: Dry! Abandoned
	Date Drilled: 9-20-69
	Location: 660' FNL: 660' FNL of sec 10-95-32E
	Record of Completion: 1275 Akarting
	TD: 10,900' Surf Csg: 13/8 8378' Prod Csg: 85/8 8350 1 500 4 2129
	Perforations:
.;	company: Adams Exploration (HCW Expl.)
	Well No: Orith#2
	Well Type: oil producing
	Date Drilled: $4-26-81$
	Location: 2030 FNL: 1980 FWL of Acc 10-85-32E
	Record of Completion: Jamake tout
	Location: 2030 FNL: 1980 FWL of Auc10-85-32E Record of Completion: TD: 4284 Surf Csg: 85/8 Prod Csg: 4/2 C 4284 400 All Tocal Perforations: 4/51'-4245'
	Perforations: 4/51'-4245!

VI.	Tabulation of Data on All Wells of Public Record Within the Area of Review:
J	Well No: Hooper # OK CIBPE 4125
	Well Type: 01 Pi.Ad 3-13-82 25-5Ks-32-90'-3170'
	Date Drilled: 3-27-81 405KS - Top 1810' 255KS - Top 1750'
	Location: 1650 FNL : 2310 FEL of Sec 10-85-32E 505KS - Top 1500'
	Record of Completion: 55Ks - 1500 - 1482
	TD: 4338 Surf Csg: 1378696 Prod Csg: 47264335
	Perforations: 4224'-4304'
	Company: Adams Exploration
	Well No: Griffin #4 SWD
	Well Type: SWD
	Date Drilled: $7-8-8$
	Location: 660'FNL: 660'FEL
	Record of Completion:
	Record of Completion: TD: 43/5' Surf Csg: 85/6 6/908 Prod Csg: 4/2 6 43/3 300 Prod Csg: 4/3 6 43/3
	$\mu_{\rm c}$
4	Company: Adams Exptoration 1
	Well No: Griffin # 1
	Well Type: Oil producing
	Date Drilled: $11-9-80$
	Location: 330' FNL : 1980' FEL & Sec 10-85-32E
	Record of Completion: \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
	Record of Completion: 17: 4400 Surf Csg: 856 1842 Prod Csg: 442 64400
	Perforations: 4176'-99', 4242'-43/3'

VI.	Tabulation of Data on All Wells of Public Record Within the Area of Review:
ν,	Company: El Ran plu65
	Well No: Antelope Federal # 07 CIBPE 4100' W/35 SXS Well No: Antelope Federal # 57 Spot 35 SXS @ 1750'
	Well Type:
	Date Drilled: 12-6-83
	Location: 1650' FWL: 2310'FSL
	Record of Completion:
	TD: 4315' Surf Csg: 8786 1737 Prod Csg: 4/264309
١.	Perforations: 4137'- 4262'
	Company: E/ Ran
	Well No: Byron #2
	Well Type: Oil, producing
	Date Drilled: 6-1-78
	Location: 660' FSL + 1980 FFL 321-33 326
	Record of Completion:
	Record of Completion: TD: 4312 Surf Csg: 85/80 310 Prod Csg: 41/20 4312 2500 2863
	Perforations: 4/60'-4258'
	v Company: El Ran
	Well No: Byron #4
	Well Type: oil producing
	Date Drilled: 5-4-79
	Location: 1650'FSL : 990' FEL
	Record of Completion: \550 m \ \17 \in \17 \in \10 \ \
	Record of Completion: TD: 4325' Surf Csg: 85/801702' Prod Csg: 4/204324 1000 3310
	Perforations: 4213'-4293'

VI.	Tabulation of Data on All Wells of Public Record Within the Area of Review:
•	Company: El Ran
	Well No: Federal #1
	Well Type: <u>Oil</u> , <u>Producing</u>
	Date Drilled: 8-15-79
•	Location: 440' FNL : 2200' FWL
	Record of Completion: TD: 4298 Surf Csg: 87861710 Prod Csg: 4/2 6 4310 00 3296
	TD: 4298' Surf Csg: 87861710 Prod Csg: 4/204310 00
	Ferforations: 4242' - 4276'
•	Company: El Rah
	Well No: Frderal #3
	Well Type: Oil producing
	Date Drilled: 3-24-80
	Location: 2200 FSL: 2200' FWL
	Record of Completion:
	TD: 4396 Surf Csg: 878C/673 Prod Csg: 4/2 4388 3379
	Ferforations: 4/64'-4263'
1	Company: El Ran
	Well No: Federal #5
	Well Type: Oil Producing
	Date Drilled: 11-20-80
	Location: 2200'FNL: 990'FWL
	Record of Completion: \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
	Hecord of Completion: 1D: 4325 Surf Csg: 85/8 € 1749 Prod Csg: 41/2 € 43 25 331
	Perforations: 4/80' - 4304'

VI.	Tabulation of Data on All Wells of Public Record Within the Area of Review:
J	Company: E! Rah
	Well No: Federal # 7
	Well Type: Oil producing
	Date Drilled: 10-9-80
	Location: 990' FSL: 990' FWL
	Record of Completion: TD: 4330 Surf Csg: 85/86/1704 Prod Csg: 4/3e4329 1083315
	TD: 4330 Surf Csg: 85/8 @ 1704 Prod Csg: 4/204329 37
	Perforations: 4187' - 4289'
j	Company: El Ran
	Well No: Griffin #1
	Well Type: Oil producing
	Date Drilled: 6-26-83
	Location: 660'FNL 1980'FWLy
	Record of Completion:
	TD: 4330 Surf Csg: 85/20 1701 Prod Csg: 4/20 4329
	Perforations: 4168'-4291'
٠,	Company: El Rah
	Well No: Roberts #2
	Well Type: oil, producing
	Date Drilled: 2-2-79
	Location: 440 FNL : 990' FEL
	Eecord of Completion: 1D: 4333' Surf Csg: 9%(1725' Prod Csg: 44844332) Perforations: 4192' - 4302'
	TD: 4333' Surf Csg: 9/20/1735' Prod Csg: 4/20/4332 2317' Perforations: 4192' - 4302'
	Perforations: 4192' - 4302'

VI.	Tabulation of Data on All Wells of Public Record Within the Area of Review:
	Company: E/Ron
w.	Well No: Roberts #4
	Well Type: Oi producing
	Date Drilled: 8-23-79
	Location: 1650' FNL: 1980'FEL xx
	Record of Completion: 1D: 4312' Surf Csg: 8580 1667' Prod Csg: 41/20 4311
	ID: 43/2 Surf Csg: 0/86 /00/ Prod Csg: 4/26 43)
	Perforations: 4180' - 4274'
j	Company: E/ Ran
	well No: Yeager #1
	Well Type: oil, producing
	Date Drilled: 1-29-70
	Location: 1980'FSL 4 1980' FWL 33-75
	Record of Completion:
	Record of Completion: TD: 4420' Surf Csg: 85/2 355 Prod Csg: 41/2 4373
	Perforations: 4153'-4353'
	Company: El Ran
	well No: Yeager #2
	Well Type: oil, producing
	Date Drilled: 11-10-73
	Location: 660 FSL 3 2310 FWL
	Record of Completion: (50 %)
	Record of Completion: TD: 4400 Surf Csg: 85/8 2 337 Prod Csg: 5/2 2 4375 340
	Perforations: 4150 - 4334 L

·1.	Tabulation of Data on All Wells of Public Record Within the Area of Review:
V	Company: El Ran
	Well No: Yeager #3
	Well Type:, producing
	Date Drilled: $3-17-75$
	160'FSI '41-60' FMI 2-17 -32/5
	Record of Completion: TD: 4384 Surf Csg: 8560 330 Prod Csg: 5/20 4379 Perforations: 4207' - 4341' Company: El Ran
	TD: 4384 Surf Csg: 856 330 Prod Csg: 5/2C 4379
	Perforations: 4207' - 4341'
	Company: El Ran
	Well No: Sarah #1
	Well Type: oil, producing
	Date Drilled: 4-8-80
	Location: 990' FSL : 2200' FEL
	Record of Completion: 550 / 10
	Record of Completion: 550 Prod Csg: 4/3 0 4390' 3376
	Perforations: 4172'-4284'
	Company: El Ran
	Well No: Sarah #2
	Well Type: oil, producing
	Date Drilled: $4-16-80$
	Location: 990' FEL: 2200' FSL 10
	Record of Completion: 350°
	Record of Completion: (50) Prod Csg: 4394 (3380) Perforations: 4203' - 4286'
	Perforations: 4203' - 4296'

VI.	Tabulation of Data on All Wells of Public Within the Area of Review:	Record
	Company: El Ran	Mile .
i.	Well No: Bergstrom #1	Plugs
	Well Type: Di P: Ald 4-16-85	CIBP@ 4/00 w/100 pluy above
	Date Drilled: 1-17-80	, <i>v</i>
	Location: 2200' FNL: 660' FEL	10 plug & sanfare
	Record of Completion:	
	TD: 4324' Surf Csg: 87 @ 1700 Prod Cs	g: 42e 4323'
	Perforations: 4142' - 4294'	
,	Company: El Rah	-(0)
	Well No: Barton #	Plugs
	Well Type: 011, PiA12 9-28-84	CIBPE4100' w/100' plug above
	Date Drilled: 1-8-80	100' plug from 1735'-1635 445
	Location: 2200 FNL ! 1980 FEL	10' plug @ surface (10%)
	Record of Completion:	•
	TD: 4325 Surf Csg: 85/201706 Prod Cs	sg: 4/2 64325'
	Perforations: 4170' - 4294'	_
1	Company: El Rah	- 01.
	Well No: <u>U.S.</u> #3	- CIBPE 4090' w/ 35'plug
	Well Type: oil, PiAld	_ 100' plug from 2450 '- 2350'
	Date Drilled: 11-13-79	Plug gram 1 700'-/590'
	Well Type: oil, PiA'd Date Drilled: //-/3-79 Location: 2000 FNL: 2310 FWL 3- Record of Completion:	10'pye surface
	Record of Completion:	
	TD: 4298 Surf Csg: 85/8 6/703 Prod C	sg: 41/20 4296
	Perforations: 4/40' - 4253	<u> </u>