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ENERG	STATE OF N Y AND MINER	NEW NEXICO		DIL CONSERVATION POST DICE DO A STATE LOD OFFICE W STATE LOD OFFICE W	Defe MLDHAG		ORM C-108 Revised 7-1-81
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VII.	Operator:	Manzano	0il Corpo	oration			
	Aodress:	P.O. Bo	x 2107, R	oswell, NM 8820	2-2107		
	Contact par	rty:	David Su	weeney	Phon	e: (505)	623-1996
VIII.	Well data:			required on the r tion. Additional			
١٧.				sting project? r number authori;	X yes	0 no ect <u>R-98</u>	95
√v.	injection w	well with	a one-half	ll wells and leas mile radius circ the well's area o	le drawn aro	o miles of a bund each pro	any proposed oposed injection
• vI.	penetrate well's type	the propos e, constru	ed injecti ction, dat	all wells of put on zone. Such da e drilled, locata l illustrating al	ita shall inc ion, depth, r	lude a desci ecord of com	
V VII.	Attach data	a on the p	roposed op	eration, includir	ng:		
	2. Whi 3. Pro 4. Sou 5. If	ether the oposed ave urces and the receiv injection at or with the dispos	system is rage and m an appropr ving format is for di bin one mil sal zone fo	aximum daily rate open or closed; aximum injection iate analysis of ion if other than sposal purposes e of the proposed rmation water (ma nearby wells, et	pressure; injection fl reinjected into a zone n well, attac ay be measure	uid and comp produced wal not productiv ch a chemical	patibility with ter; and ve of oil or gas 1 analysis of
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٧ IX.	Describe t	he propose	ed stimulat	ion program, if a	any.		
• _V X.	• •			l test data on thi it be resubmitted		well logs h	ave been filed
↓. XI.	available :	and produc	cing) withi	fresh water from in one mile of an imples were taken	y injection a		
L XII.	examined a	va <mark>ilable</mark> d er hydrold	geòlogic an ogic connec	must make an aff nd engineering da stion between the	ta and find r	no evidence	of open faults
XIII.	Applicants	must comp	plete the "	'Proof of Notice"	section on	the reverse	side of this form.
XIV.	Certificat	ion					
	to the bes	t of my ki	at the info nowledge ar E. Brown	ormation submitte nd belief.		application VP Engi	is true and correct
	Name:			-2R-	litle	11/18	

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• If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal.

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III. HELL DATA

v 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 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.
- $\dot{\nu}$ (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.

- U.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.
 - \vee (1) The name of the injection formation and, if applicable, the field or pool name.
 - $\omega'(2)$ The injection interval and whether it is perforated or open-hole.
 - \swarrow (3) State if the well was drilled for injection or, if not, the original purpose of the well-
 - arphi (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.
 - $\mathcal{J}(5)$ 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

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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 Manzano Oil Corporation Lea County, New Mexico

Existing Producing Well Benson Shugart Waterflood Unit Well #8 Unit A, Sec 35, T18S, R30E

- I. The purpose of this application is to request authorization to inject into the Penrose and Grayburg formation on the above mentioned well.
- II. Operator: Manzano Oil Corporation P.O. Box 2107 Roswell, NM 88202-2107 David Sweeney (505) 623-1996
- III. Well Data: See Exhibit A.
- IV. This is an expansion of the Benson Shugart Waterflood Unit case No. 10686, Order No. R-9895.
- V. See attached map. Exhibit B.
- VI. See Exhibit C.

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- VII. 1. Proposed average daily injection volume, approximately 400 BWPD per injection well in the Penrose and Grayburg formation. Maximum daily injection volume for the Penrose and Grayburg formation approixmately 600 BWPD per injection well.
 - 2. This will be a closed system.
 - 3. A step rate test will be run on the Penrose and Grayburg formation. Proposed maximum injection pressure 2000 psi.
 - 4. The source for the injection water, will be from the Double Eagle water system, along with produced water from the producing wells within the Benson Shugart Waterflood Unit. See Exhibit D for analysis on water and compatability with a producing well.
 - 5. Not applicable.
- VIII. This information was previously submitted on Form C-108 February 18, 1993 under Hanson Operating Co., Inc.
- IX. The proposed injection interval in the BSWU Well #8 Penrose and Middle Grayburg, are open and producing and should not require stimulation at this time. If it is needed, 2000-3000 gal of acid should be sufficient and a small sand water frac.
- X. Logs have been submitted.
- XI. This information was previously submitted on Form C-108 February 18, 1993 under Hanson Operating Co., Inc.
- XII. All relevant data available was examined to determine if any open faults or any other hydrologic connection between the injection zones and any underground source of drinking water existed and it was determined that these geologic or engineering conditions do not exist in the flood area

C-108 Application for Authorization to Inject Manzano Oil Corporation Lea County, New Mexico

Existing Producing Well Benson Shugart Waterflood Unit Well #8 Unit A, Sec 35, T18S, R30E

(The purpose of this application is to request authorization to inject into the Penrose and Grayburg formation on the above mentioned well.)

XIII. Proof of Notice:

. . .

- 1. Certified letters sent to the surface owner and offset operators are attached as Exhibit E.
- 2. Copy of legal advertisement attached as Exhibit F.
- XIV. Certification is signed.

Offset Operators:

Mr. Ray Westall P.O. Box 4 Loco Hills, NM 88255

J&G Enterprises P.O. Box 100 Artesia, NM 88211-0100

LaRue & Muncy P.O. Box 196 Artesia, NM 88211-0196

Yates Petroleum Corporation 105 South Fourth Street Artesia, NM 88210

Casa Petroleum P.O. Box 4 Loco Hills, NM 88255

Land Owner:

Richardson Cattle Co. P.O. Box 487 Carlsbad, NM 88222



			1	NJECTION WE	LL DATA SHE	с ?	10-015-2307	3
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RETRIEVABLE PACKER SYSTEMS



MODEL "AD-1"™ TENSION PACKER

Product No. 739-08 The "AD-1" Tension Packer Is a com-

pact, economical, retrievable packer. Primarily used in waterflood applications, this packer can also be used for production and/or treating operations. It is used where a set-down packer is impractical. Since the "AD-1" is tension set, it is ideally suited for shallow wells where set-down weight is not available.

FEATURES/BENEFITS

- Utilizes Baker's rugged rocker-. type slips.
- Bore through the packer mandrel is larger than drift.
- Simple, low-cost packer for fluid. injection.
- Three release methods insure retrievability.
- Uses proven one-piece packing element.

ACCESSORIES

Model "C-1"[™] Tandem Tension[™] Packer, (Prod. No. 602-26) Cup-Type Packer with Unloader, (Prod. Nos. 602-30 & 675-07) Unloading Subs, (Prod. No. 675-10)

MODEL "ADL-1"™ LARGE-BORE TENSION PACKER Product No. 739-12

The "ADL-1" Tension Packer is a largebore version of the Model "AD-1." The packer offers the same features and benefits as the Model "AD-1" and running and retrieving operations are the same.

TO SET PACKER:

Run packer to desired setting depth, making the last movement downward. Rotate the tubing to the left one-quarter turn at the tool. Then, pick up and pack-off.

TO RETRIEVE PACKER:

Lower the tubing at least one foot (0,31 m) more than is needed to remove applied tension so that the J-pin will move fully to the top of the J-slot.

Rotate the tubing to the right onequarter turn at the packer so slips will now be in the running position. Packer can be moved to a new position and reset or it can be retrieved.

TO SHEAR RELEASE PACKER:

As an alternate release method, the Tension Packer has shear rings designed to part at tensions varying from 13,000-100,000 lb (5,89 -45,35t). The cone, packing element and guide drop down and are carried out of hole by the bottom sub.

TO RELEASE IN EMERGENCY:

Left-hand square threads on the top sub of the packer allow the tubing to be retrieved when the packer will not otherwise release.

REQUIRED UPS	TRAIN TO SET	PACKER
Packer	Upsti	ain
Size	Lb	Kg
41	2,000	907
43 & 45	5,000	2268
47	7,500	3402
49-55	15,000	6804

ORDERING EXAMPLES

PRODUCT NO. 739-08 SUZE: 45.44 (5-1/2° OD 15,5-30 lb/h Casing) MODEL "AD-1" YENSIONERACKER w2-3/8° OD EU 8 RD Bax (J-55, 4.7 lb/h Tubing x 2-3/8° OD NU 10 RD Pin (J-55 4.6 lb/h Tubing.

ORDERING EXAMPLE:

PRODUCT NO. 739-12 SIZE: 458 x 2.90 (5-1/2" QD 13-17 14/A Casing) MODEL "ADL-1" LARGE-BORE TENSION PACKER w/3-1/2" OD EU & RD Box x Pin (7-55 9.J 15/11 Tubing.



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Manzano Oil Corporation Benson Shugart Waterflood #8 Well Data Information Exhibit C - Page 1	d #8								
Well Name	Operator	Туре	Spud <u>Reentry</u>	<u>Completion</u>	Total <u>Depth</u>	Producing Zone	Perforations	Completion Information	Other <u>Commen</u>
Arco #2 E, Sec 36, T18S, R30E SW/4NW/4	Ray Westall	Oil	9/18/84	10/07/84	3950'	7-Rivers Penrose Grayburg	2412-18' 2464-2470' 3152-66' 3232-38' 3286-94'	8-5/8" 23# @ 761' w/364 sks (circl 15 sks) 5-1/2" 17# @ 3950' w/300 sks (TOC 2750' calc)	Rotary
Ritz #3 G, Sec 35, T18S, R30E SW/4NE/4	Ray Westall	Oil	9/21/84	10/01/84	4000'	Queen Grayburg	3078-3213' 3844-74'	8-5/8" 23# @ 485' w/280 sks (circl 10 sks) 5-1/2" 17# @ 4000' w/1980 sks Circulated to surface	Rotary
Ritz #4 B, Sec 35, T18S, R30E NW/4NE/4	Ray Westall	Oil	1/01/85	4/01/85	3988'	Penrose	3314-42'	8-5/8" 23# @ 521' w/300 sks (circl 40 sks) 5-1/2" 17# @ 3972' 300 sks (TOC 2700 calculated)	

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WELL BORE SKETCH

OPERATOR/L	EASE/WELL: Y	ates & Dooley	Creek Permit Well #1
LOCATION:_	Unit G, SW/	4NE/4, 1980'FNL 8	& 1980'FEL, Sec 35, T18S, R30E
FIELD/POOL	: 	/	
PLUG BACK	DEPTH:	КВ:	ELEVATION:
		Hole Size:	-SURFACE CASING:
			Size: 9-7/8" Weight: Grade: Set at: 350' w/ Sacks cement Circulate: Sacks to surface Remarks: Set in place w/mud.
			Size: <u>8-1/4"</u> Weight: Grade: Set at: <u>742'</u> w/ 50 Sacks cement Circulate: Sacks to surface Cement Top: Calc Temp Survey: Remarks:
			PRODUCTION CASING:
Marine and Anna Anna Anna Anna Anna Anna Anna	and and a second se		Size: Weight: Grade: Set at: w/ Sacks cement Cement Top: Calc: Temp Survey: Remarks:
and the first of the second	a sub- a contra a contra a co		TUBING: Size: Weight: Grade: Number of Jts: Set at: Packer set at: Bottom Arrangement:
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	مىسىيە «مەر «مەر»» مەر» مەر» مەر» مەر» مەر» مەر» مەر»	3404-3407' (files at Art	abandoned 10/11/38. Tested sulphur water from 200' in 1 & 2 hrs). No information in well esia on any plugging operation. Only 4 papers oposed to reenter by Ernest A. Hanson. See ies.
	TD 3407	1	

JUN-10-97 TUE 1:02 PM OCD TRIST II

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SCOUT REPORT, NEW MEXICO

OIL CONSERVATION COMMISSION

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SCALL PORAM FOR MIXING 2 WATEL

MANZANO OIL COLL DOUBLE EAGLE CITYOF CARTEBAS BSWU WELL #11

TEMPERATURE (F)= /5.0

		TION (MG/L)	
ION (DOUBLE	SAGLe) WATER NO. 1	WATER NO. 2	2 (BSWU *11)
SODIUM CALCIUM MAGNESIUM CHLORIDE BICARBONATE CARBONATE SULFATE	187. 120. 19.	44827. 6954. 1998. 86000. 427. 0.	
PH SPECIFIC GRAVITY RESISTIVITY IONIC STRENGTH TDS	1.0000 -1.00 0.0198	7.10 1.0990 0.06 2.7324 141606.	
TYPE OF SCALE	SOLUBILITY SCALE (PTB) INDEX	SCALE (PTB)	SCALING TENDENCY
100.0 % WATER NO. 1	0.0 % WATER NO.	2	
CALCIUM SULFATE CALCIUM CARBONATE			NONE SLIGHT
90.0 % WATER NO. 1	10.0 % WATER ND.	2	
CALCIUM SULFATE CALCIUM CARBONATE			NONE SLIGHT
80.0 % WATER NO. 1	20.0 % WATER NO.	2	
CALCIUM SULFATE CALCIUM CERBONATE	12681.00 113. 0.10		NONE SLIGHT
70.0 % WATER NO. 1	30.0 % WATER ND.	2	
CALCIUM SULFATE CALCIUM CARBONATE	13270.81 108. 0.16		NONE SLIGHT

NOTE: PTB = POUNDS PER THOUSAND BARRELS

PAGE 2

MANZAND DIL COLP DOUBLE ZASTE" CUT OF CORRESPONT BSWU Well \$11 SOLUBILITY SCALE SCALE INDEX (РТВ) TYPE OF SCALE (PTB) SCALING TENDENCY -----------40.0 % WATER NO. 2 60.0 % WATER NO. 1
 CALCIUM SULFATE
 1337.
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NOTE: PTB = POUNDS PER THOUSAND BARRELS

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LIMO ZIEN JUN-10-97 TUE 1:00 PM OCD TRIST II FAX NO. 1-1-1 P. 2 N. M. O. C. C. COPY 1 mill g. cy it y NOTED JUL 5 - 1962 UNITED STATES DEPARTMENT OF THE INTERIOR HANSON يند معني يوم مدينة من Geological Survey P. O. Drawer U Artesia, New Mexico EIVED Mr. Ernest A. Hanson 12 P.O. Box 1515 JUL 6 1962 Roswell,N.M. U. S. GLOLUGICAL SURVEY Re: Oil and GAARTESIA NEW MEXICO Gentlemen: NM 025503/ We have not yet received the reports checked below pertaining to your well No. 3-Ginsberg located in ______ NE & sec. ______, T. 18 S., R. 30 E., Eddy County, New Mexico: Sundry Notice Form 9-331s, "Report of Setting and/or _ Casing". Cementing (3 copies) Sundry Notice Form 9-331a, "Subsequent Report of Treating Well". (3 copies) Sundry Notice Form 9-331a, "Subsequent Report of (5 copies) Workover or Drill Deeper". I Form 9-330, "Log of Oil or Gas Well" covaring all drilling operations. (4 copies) Geologic logs (30 CFR 221.59 requires that duplicate copies of all electrical logs, sample logs, drilling time logs, temperature, deviation, and other well surveys must be filed.) (2 copies) Sundry Notice Form 9-331a "Subsequent Report of Abandonment" or Subsequent Report of Temporary Abandonment". (5 copies) Please submit these delinquent reports to this office at your earliest convenience. U. S. Geological Survey - 6 2 / ۵ 6~9 ALL A Exhibit C - Page 3

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P.O. Box 2107 Roswell, New Mexico 88202-2107 (505) 623-1996 FAX (505) 625-2620

November 18, 1999

CERTIFIED MAIL #Z 263 855 550 RETURN RECEIPT REQUESTED

Mr. Ray Westall P.O. Box 4 Loco Hills, New Mexico 88255

Benson Shugart Waterflood Unit Well #8 Re: Lea County, New Mexico

Dear Mr. Westall:

In accordance with the requirements of the New Mexico Oil Conservation Division Form C-108 (Application for Authorization to Inject), please find attached a copy for Manzano Oil Corporation's, Benson Shugart Waterflood Unit Well #8, located in Section 35, T18S, R30E, Lea County, New Mexico.

Very truly yours EMMU Donnie E. Brc VP Engineerin	SENDER: • Complete items 1 and/or 2 for additional services. • Complete items 3, 4a, and 4b. • Print your name and address on the reverse of this form so that we card to you. • Attach this form to the front of the mailpiece, or on the back if space permit. • Write "Return Receipt Requested" on the mailpiece below the article • The Return Receipt will show to whom the article was delivered and delivered.	e does not e number.	I also wish to receive the following services (for an extra fee): 1.
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P.O. Box 2107 Roswell, New Mexico 88202-2107 (505) 623-1996 FAX (505) 625-2620

November 18, 1999

CERTIFIED MAIL #Z 263 855 551 RETURN RECEIPT REQUESTED

J & G Enterprises P.O. Box 100 Artesia, New Mexico 88211-0100

Re: Benson Shugart Waterflood Unit Well #8 Lea County, New Mexico

Gentlemen:

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In accordance with the requirements of the New Mexico Oil Conservation Division Form C-108 (Application for Authorization to Inject), please find attached a copy for Manzano Oil Corporation's, Benson Shugart Waterflood Unit Well #8, located in Section 35, T18S, R30E, Lea County, New Mexico.

Very truly y Donnie E. B VP Enginee	SENDER: Complete items 1 and/or 2 for additional services. Complete items 3, 4a, and 4b. Print your name and address on the reverse of this form so that we card to you. Attach this form to the front of the malipiece, or on the back if space permit. Write "Return Receipt Requested" on the malipiece below the article "The Return Receipt will show to whom the article was delivered and delivered.	e does not a number. d the date	I also wish to rece following services extra fee): 1.	(for an e's Address d Delivery
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/ / Is your <u>RETU</u>	5. Received By: (Print Name) 6. Signature: (Addressee or Agent) X. Market Stressee PS Form 3811, December 1994 10	8: Addresse and fee is 2595-97-8-0179	e's Addrèss (Only li s paid) Domestic Retu	



P.O. Box 2107 Roswell, New Mexico 88202-2107 (505) 623-1996 FAX (505) 625-2620

November 18, 1999

CERTIFIED MAIL #Z 263 855 552 RETURN RECEIPT REQUESTED

LaRue & Muncy P.O. Box 196 Artesia, New Mexico 88211-0196

Re: Benson Shugart Waterflood Unit Well #8 Lea County, New Mexico

Gentlemen:

In accordance with the requirements of the New Mexico Oil Conservation Division Form C-108 (Application for Authorization to Inject), please find attached a copy for Manzano Oil Corporation's, Benson Shugart Waterflood Unit Well #8, located in Section 35, T18S, R30E, Lea County, New Mexico.

Very truly y Mile Donnie E. E VP Enginee	SENDER: Complete items 1 and/or 2 for additional services. Complete items 3, 4a, and 4b. Print your name and address on the reverse of this form so that w card to you. Attach this form to the front of the mailpiece, or on the back if spar- permit. Write <i>Return Receipt Requested</i> * on the mailpiece below the article The Return Receipt will show to whom the article was delivered ard delivered.	ce does not le number.	I also wish to receive the following services (for an extra fee): 1.	iress ry
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P.O. Box 2107 Roswell, New Mexico 88202-2107 (505) 623-1996 FAX (505) 625-2620

November 18, 1999

CERTIFIED MAIL #Z 263 855 553 RETURN RECEIPT REQUESTED

Yates Petroleum Corporation 105 South Fourth Street Artesia, New Mexico 88210

Re: Benson Shugart Waterflood Unit Well #8 Lea County, New Mexico

Gentlemen:

In accordance with the requirements of the New Mexico Oil Conservation Division Form C-108 (Application for Authorization to Inject), please find attached a copy for Manzano Oil Corporation's, Benson Shugart Waterflood Unit Well #8, located in Section 35, T18S, R30E, Lea County, New Mexico.

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P.O. Box 2107 Roswell, New Mexico 88202-2107 (505) 623-1996 FAX (505) 625-2620

November 18, 1999

CERTIFIED MAIL #Z 263 855 554 RETURN RECEIPT REQUESTED

Casa Petroleum P.O. Box 4 Loco Hills, NM 88255

Re: Benson Shugart Waterflood Unit Well #8 Lea County, New Mexico

Gentlemen:

e___ e_

In accordance with the requirements of the New Mexico Oil Conservation Division Form C-108 (Application for Authorization to Inject), please find attached a copy for Manzano Oil Corporation's, Benson Shugart Waterflood Unit Well #8, located in Section 35, T18S, R30E, Lea County, New Mexico.

Very truly yours	1			
Donnie E. Bi VP Engineer	SENDER: Complete items 1 and/or 2 for additional services. Complete items 3, 4a, and 4b. Print your name and address on the reverse of this form so that we card to you. Attach this form to the front of the mailpiece, or on the back if space permit. Write "Return Receipt Requested" on the mailpiece below the article The Return Receipt Will show to whom the article was delivered and delivered.	e does not e number. d the date	I also wish to rece following services extra fee): 1.	e's Addres d Delivery
:ah	3. Article Addressed to:	4a. Article N 7	umber 263 855 554	é
Enclosure so	Casa Petroleum P.O. Box 4 Loco Hills, NM 88255	4b. Service	Type ad Mail ceipt for Merchandise	Certified
		1/-	22-94	
Cour BETURI	5. Received By: (Print Name) Stacy Toll C 6. Signature: (Addressee or Agent) X Stacy Jolly	8. Addresse and fee is		
<u> </u>	PS Form 3811, December 1994 10	2595-97-8-0179	Domestic Ret	urn Hecelpt

P.O. Box 2107 Roswell, New Mexico 88202-2107 (505) 623-1996 FAX (505) 625-2620

November 18, 1999

CERTIFIED MAIL #Z 263 855 555 RETURN RECEIPT REQUESTED

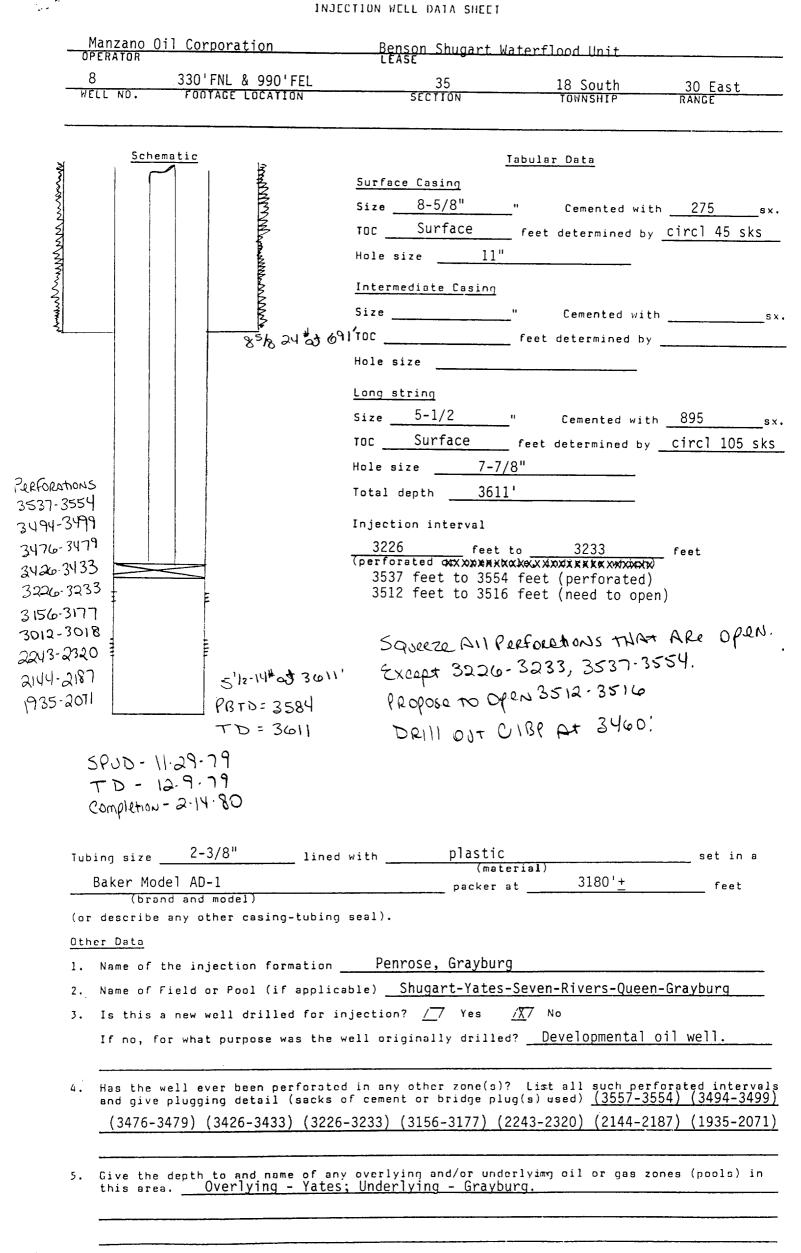
Richardson Cattle Company P.O. Box 487 Carlsbad, New Mexico 88222

Re: Benson Shugart Waterflood Unit Well #8 Lea County, New Mexico

Gentlemen:

In accordance with the requirements of the New Mexico Oil Conservation Division Form C-108 (Application for Authorization to Inject), please find attached a copy for Manzano Oil Corporation's, Benson Shugart Waterflood Unit Well #8, located in Section 35, T18S, R30E, Lea County, New Mexico.

 card to you. Attach this form to the front of the mailpiece, or on the back is permit. Write <i>Return Receipt Requested</i> on the mailpiece below the The Return Receipt will show to whom the article was delive delivered. 	if space does not e anticle number.	i also wish to receive the following services (for an extra fee): 1.
3. Article Addressed to:	4a. Article N Z 263	
Richardson Cattle Company P.O. Box 487 Carlsbad, NM 88222	4b. Service Registere Express Return Re	ed 🖾 Certifie
	7. Date of D	
5. Received By: (Print Name)	8. Addresse and he is	e's Address (Only If requested
	 Complete items 1 and/or 2 for additional services. Complete items 3, 4a, and 4b. Print your name and address on the reverse of this form so to card to you. Attach this form to the front of the mailpiece, or on the back permit. Write <i>Return Receipt Requested</i> on the mailpiece below the "The Return Receipt will show to whom the article was delivered. Article Addressed to: Richardson Cattle Company P.O. Box 487 Carlsbad, NM 88222 S. Received By: (Print Name) 	Complete items 1 and/or 2 for additional services. Complete items 3, 4a, and 4b. Print your name and address on the reverse of this form so that we can return this card to you. Attach this form to the front of the mailplece, or on the back if space does not permit. Write <i>'Neturn Receipt Requested'</i> on the mailplece below the article number. The Return Receipt will show to whom the article was delivered and the date delivered. Article Addressed to: Article Addressed to:



INJECTION WELL DATA SHEET

Schematic Isbular Data Surface Casing Surface Casing Size Sec/8" Cemented with 275 TOC Surface rest determined by circl 45 sk Hole size	WELL NO.	330'FNL & 990'FEL	35 SECTION	18 South	<u>30 East</u>
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Affidavit	of Pul NO.	olicatio	on
STATE OF NEW ME	XICO		
County of Eddy:			
Gary Scott			being duly
sworn,says: That he i	s the	Publisher	of The
Artesia Daily Press, a	daily news	paper of gen	eral
circulation, published	in English a	t Artesia, sa	id county
and county and state	, and that the	e here to atta	ached
		Legal Noti	ce
was published in a re	gular and er	itire issue of	the said
Artesia Daily Press,a	daily newsp	aper duly qu	alified
for that purpose withi	n the meani	ng of Chapte	er 167 of
the 1937 Session La	ws of the sta	ate of New M	lexico for
1 consecuti	ve weeks/da	iys on the sa	me
day as follows:			
First Publication	November	· 21	1999
Second Publication			
Third Publication			
Fourth Publication			
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Subscribed and swor	n to before r	ne this	
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Copy of Publication:

LEGAL NOTICE

Manzano Oil Gorpugation, P.O. Box 2107, Roswetka Mexico 88202-2107, has filed a Form C-108 (Application fop Authorization to Inject) with the New Mexico Oil Conservation Division seeking Administrative Approval to expand the existing Benson Shugart Waterflood Unit. This expansion includes converting an existing well (B.S.W.U well #8) from a producing oil well to an injection well located in the NE/4 NE/4, 330' FNL & 990' FEL in Section 35, T18S, R30E, Eddy County, New Mexico and will be used for pressure maintenance. Produced water from the Seven Rivers, Penrose and Grayburg formations, along with make up water from the Double Eagle water system will be injected into the Grayburg formation at a depth of 3357'-3554' and the Penrose formation at a depth of 3226' - 3233' with a maximum pressure of 2000 psi and a maximum rate of 600 BWPD. All interested parties opposing the aforementioned must file objections with the Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico 87501 within 15 days. Additional information can be obtained by contacting Donnie Brown at (505) 623-1996. Published in the Artesia Daily Press, Artesia, N.M. November 21, 1999.

Legal 16782

AFFIDAVIT OF PUBLICATION

State of New Mexico, County of Lea.

I, KATHI BEARDEN

Publisher

of the Hobbs News-Sun, a 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.

6

of _____

weeks.

1999

Beginning with the issue dated

November 21 1999 and ending with the issue dated

November 27 1999

Publisher Sworn and subscribed to before

me this _____29th _day of

November

Notary Public.

My Commission expires October 18, 2000 (Seal)

LEGAL NOTICE November 21, 23, 24, 25, 26, 27, 1999 Manzano Oil Corporation, P.O. Box 2107, Roswell, New Mexico 88202-2107, has filed a Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking Administrative Approval to expand the existing Benson Shugart Waterflood Unit. This expansion includes converting an existing well (B.S.W.U well #8) from a producing oil well to an injection well located in the NE/4NE/4, 330' FNL & 990' FEL in Section 35, T18S, R30E, Eddy County, New Mexico and will be used for pressure maintenance. Produced water from the Seven Rivers, Penrose and Grayburg formations, along with make up water from the Double Eagle water system will be injected in the Grayburg formation at a depth of 3537' -3554', and the Penrose formation at a depth of 3226' -3233' with a maximum pressure of 2000 psi and a maximum rate of 600 BWPD. All interested parties opposing the aforementioned must file objections with the Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico 87501 within 15 days. Additional information can be obtained by contacting Donnie Brown at (505) 623-1996. #17015

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.

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Manzano Oil Corporation P.O. Box 2107 Roswell, NM 88202-2107