## STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

of the earlier submittal.

# OIL CONSERVATION DIVISION POST OFFICE BOX 2008 STATE LAND OFFICE BUILDING

FORM C-108 (
Revised 7-1-81

	SANTA PE NEW MEXICO 87501
APPLICA	AND 18 1997 ATION FOR AUTHORIZATION TO INJECT
I.	Purpose: Secondary Recovery Pressure Maintenance X Disposal Storage Application qualifies for administrative approval? X yes no
II.	Operator: Manzano Oil Corporation
	Address: P.O. Box 2107, Roswell, NM 88202-2107
	Contact party: David Sweeney/Donnie Brown Phone: (505) 623-1996
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?  yes  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:
	<ol> <li>Proposed average and maximum daily rate and volume of fluids to be injected;</li> <li>Whether the system is open or closed;</li> <li>Proposed average and maximum injection pressure;</li> <li>Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and</li> <li>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.).</li> </ol>
VIII.	Attach appropriate geological data on the injection zone including appropriate lithological 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.
х.	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:David Sweeney
	Signature: Date: 6/16/97
* If t subm	to the best of my knowledge and belief.

#### III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:
  - (1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
  - (2) Each 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 small 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 27501 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.

	Corporation	Hudgens		
OPERATOR 1	1980'FSL & 1980'FEL	LEASE 11	16 South	26 Fact
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	36 East RANGE
Schem	atic		Tabular Data	
	4	Surface Casing		
		Size 13-3/8	" Cemented wi	th <u>375</u> sx.
		τος <u>Surface</u>	feet determined b	y <u>circl 50 sks</u>
		Hole size 17-	1/2"	
		Intermediate Casing		
<del>1</del>	13-3/8" @		Cemented wi	
	428'	toc Surface	feet determined by	y <u>circl 150 sks</u>
	Top of 5 1/2	Hole size	11	
	Top of 5-1/2 liner @	Long string		
	3900'	Size <u>5-1/2</u>	_" Cemented wit	th <u>1255</u> sx.
	8-5/8" @	тос5900'	feet determined by	y Temp Survey
1	4451'	Hole size		
			,000'	
1/2" csg		,		
ot off @	TOC 5900'	Injection interval		
00'. Tie to 5-1/2"	100 0500	10,284-10,294 feet (perforated XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	to <u>10,607-10,700</u> HXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	feet (X
th liner nger.				•
	5-1/2" csg @ 12,000'			
<u> </u>	TD 12,000'			
	,			
Tubing size _	2-3/8" lined	with <u>plasti</u>	C terial)	set in a
Baker Lo	oc-Set d and model)	packer	at <u>10,250</u>	feet
, - •	any other casing-tubing	seal).		
Other Data				
	he injection formation	Wolfcamp		
	ield or Pool (if applic			
	new well drilled for i			
	r what purpose was the			ocarbons produced
	ne Atoka, attempted cor			
4. Has the wand give	ell ever been perforate plugging detail (sacks	d in any other zone(s of cement or bridge p	)? List all such pe lug(s) used) <u>Atoka</u>	(11,/54-11,/62)
(11,792-	11,817'); Wolfcamp (10	),285-10,293'). P&A	3/15/91 as follow	s: CIBP @ 10,500'
100' cmt	IBP @ 10,196' w/cmt,  plug 4351 to 4451'; depth to and name of an  Overlying - None;	LOO'ecotirdugabo1700	derfying 001, 100 sks	plug @ 5511' to 54 @surfacers) in

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

(The purpose of this application is to request authorization to dispose of produced water into the Wolfcamp formation in the Hudgens #1 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:

Chesapeake Energy Corporation P.O. Box 18496 Oklahoma City, OK 73154

Matador Petroleum 415 W. Wall, Suite 1101 Midland, TX 79701

#### Land Owner:

Mr. Lyman Ray Graham 2606 West 8th Roswell, NM 88201

#### C-108

## Application for Authorization to Inject Manzano Oil Corporation Lea County, New Mexico

I. The purpose of this application is to request authorization to dispose of produced water into the Wolfcamp formation in the above mentioned well.

Manzano Oil Corporation plans to reenter the above well. Formerly the North American Royalties, Hudgens #1, tie into the 5-1/2" csg in the well @ 5500' and tie it back into the 8-5/8" casing. Perforate the Wolfcamp porosity and inject produced water.

II. Operator: Manzano Oil Corporation

P.O. Box 2107

Roswell, NM 88202-2107

David Sweeney or Donnie Brown

- III. Well Data: See Exhibit A.
- IV. This is not an expansion of an existing project.
- V. See attached map. Exhibit B.
- VI. See Exhibit C.
- VII. 1. Proposed average daily rate of produced water for disposal will be approximately 400 BWPD. The maximum rate will be approximately 800 BWPD.
  - 2. This will be a closed system.
  - 3. The average injection pressure will be approximately 500 psi. The maximum injection pressure will be approximately 2100 psi. A step rate test will be run if needed.
  - 4. The sources for the disposal water will be Manzano Oil Corporation's "SV" Chipshot #1, "SV" Chipshot #2, "SV" Double Eagle #1 and "SV" Big Bertha #1, located in Sec 11, T16S, R36E. A water analysis of the produced water is attached as Exhibit D.
  - 5. Not applicable.
- VIII. 1. The proposed zone for water disposal is the Wolfcamp zone at a drilled depth of 9750' to 10,970'. The porous interval is from a depth of (10,284-10,294') (10,607-10,700'). This zone is composed of limestone and dolomite.
  - 2. A survey of drinking water sources in the area was done with the New Mexico State Engineering office. It was found that the static water level average as of Jan 1995 was 62.70', to an average depth of 200'. There are 65 wells in Sec 11, 10 wells in the SW/4NW/4 of Section 12 and 9 wells in the N/2N/2 of Sec 14, T16S, R36E. These wells are a combination of domestic and irrigation and are located in the Ogalalla formation. There are no underground sources of water underlying the Wolfcamp formation.
- IX. The proposed injection intervals will be acidized w/2000 to 5000 gal of 20% HCl acid.
- X. Logging and test data have been submitted under North American Royalty's, Hudgens #1 well.
- XI. Attached are two copies of fresh water analysis, one of an irrigation well located in the NW/4SW/4 and one is a domestic well located in the NW/4NE/4 of Sec 11, T16S, R36E, Lea County, NM.
- XII. All relevant data was examined to determine if any open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water existed, it was determined that these geological and engineering conditions do not exist in the area.

## WELL BORE SKETCH

Hole Size:   11"		OPERATOR/LE	ase/well: Nort	th American Roy	alty's LCC Well #1
PLOG BACK DEPTH: KB: ELEVATION: 3881'6R		LOCATION:	Unit I, NE/4SE	/ <mark>4, 2160'FSL &amp;</mark>	510'FEL, Sec 11, T16S, R36E, Lea County, NM
### Hole Size: 17-1/2"  ### SURFACE CASING: ### SIZE: 13-3/8" weight: 48# Grade: ### Sacks cement ### Circulate: 75		FIELD/POOL:	NE Lovington	/ Penn	**************************************
Bole Size:   17-1/2"		PLUG BACK D	EPTH:	KB:	ELEVATION: 3881 GR
Hole Size: 7-7/8"  PRODUCTION CASING: Size: N/A Weight: Grade: Set at: W/ Sacks cemen Cement Top: Calc: Temp Survey: Remarks:  TUBING: Size: Weight: Grade: Number of Jts: Set at: Packer set at: Packer set at: Bottom Arrangement:  Gas Anchor Set at: Pump set at: Arrangement:  Size: Number: Gas Anchor Set at: Pump set at: Arrangement:  Well plugged & abandoned 4/23/87.	cmt olug   l000' to	0		Hole Size:	SURFACE CASING: Size: 13-3/8" Weight: 48# Grade: Set at: 438' w/ 420 Sacks cement Circulate: 75 Sacks to surface Remarks:  11" INTERMEDIATE CASING:
Size: N/A   Weight:   Grade:   Set at:   W   Sacks cemen   Grade:   Temp Survey:   Remarks:   Size:   Weight:   Grade:   Number of Jts:   Set at:   Packer set at:   Bottom Arrangement:   Size:   Number:   Gas Anchor Set at:   Pump set at:   Arrangement:   Arrangement:   O.7,750'   Well plugged & abandoned 4/23/87.			STATE OF THE PROPERTY OF THE P		7-7/8"
Size:	35 sk: olug (	s cmt @ 4900'			Size:         N/A         Weight:         Grade:           Set at:         w/         Sacks cement           Cement Top:         Calc:         Temp Survey:
Well plugged & abandoned 4/23/87.  85 sks cmt blug @			The Court of the C		Size: Weight: Grade:  Number of Jts: Set at:  Packer set at:  Bottom Arrangement:  RODS:  Size: Number:  Gas Anchor Set at:  Pump set at:
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(1) TD 12 2151	olug (	e   <u>`</u>			

Exhibit C - Page 2

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Manzano Oil Corporation Hudgens #1 Well Data Information Exhibit C - Page 1

"SV" Big Bertha #1 F, Sec 11, T16S, R36E	"SV" Double Eagle #1 G, Sec 11, T16S, R36E	"SV" Chipshot #1 K, Sec 11, T16S, R36E	Well Name
Manzano Oil Corporation	Manzano Oil Corporation	Manzano Oil Corporation	Operator
Oil	O <u>i</u>	Oil	Туре
5/09/97	10/30/96	6/08/96	Spud Reentry
N/A	1/14/97	9/13/96	Completion
10,900'	12,000'	11,954'	Total <u>Depth</u>
N/A	Wolfcamp	Wolfcamp Strawn	Producing Zone
N/A	10,596-10,613'	11,578-11,590'	Perforations
13-3/8" 72# @ 406' w/375 sks cmt (circl 17 sks) 8-5/8" 32# @ 4173' w/550 sks (circ 250 sks) 5-1/2" 17# @ 10,895' w/575 sks	13-3/8" 48# @ 405' w/350 sks cmt (circ 50 sks) 8-5/8" 32# @ 4346' w/1700 sks (circ 150 sks) 5-1/2" 17 & 20# @ 12,000' w/700 sks cmt. 2 stage. TOC 1st - 9200', 2nd - 6200'.	13-3/8" 48,54&61# @ 414' w/350 sks cmt (circ 30 sks) 8-5/8" 32# @ 4352' w/1800 sks (circ 270 sks) 5-1/2" 17 & 20# @ 11,954' w/880 sks. 2 stage. TOC 1st - 9430', 2nd - 4720' 2-7/8" tbg @ 10,496'	Completion Information
This well is being completed as of this application. Manzano anticipates a Wolfcamp completion.			Other Comments

Manzano Oil Corporation, P. O. Box 2107, Roswell, New Mexico 88202-2107 proposes to reenter the plugged and abandoned North American Roaylty's Hudgens #1 well located 1980' FSL & 1980' FEL of Section 11, T16S, R36E, Lea County, New Mexico and convert it to a water disposal well. Produced water will be injected into the Wolfcamp zone at a depth of 10,284' - 10,700' with a maximum of 800 BWPD at a maximum of 2100 psi. 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 or David Sweeney at (505) 623-1996.



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

June 16, 1997

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Lyman Ray Graham 2606 West 8th Roswell, NM 88201

Re: Hudgens Well #1

Lea County, New Mexico

Dear Mr. Graham:

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, Hudgens #1 well, located in Section 11, T16S, R36E, Lea County, New Mexico.

If you have any questions, please feel free to contact me at 505/623-1996.

Very truly yours,

David Sweeney

DS ah



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

June 16, 1997

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Chesapeake Energy Corporation P.O. Box 18496 Oklahoma City, OK 73154

Re: Hu

Hudgens Well #1

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, Hudgens #1 well, located in Section 11, T16S, R36E, Lea County, New Mexico.

If you have any questions, please feel free to contact me at 505/623-1996.

Very truly yours,

David Sweeney

DS:ah



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

June 16, 1997

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Matador Petroleum Corporation 415 W. Wall Street, Suite 1101 Midland, TX 79701

Re:

Hudgens Well #1

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, Hudgens #1 well, located in Section 11, T16S, R36E, Lea County, New Mexico.

If you have any questions, please feel free to contact me at 505/623-1996.

Very truly yours,

David Sweeney

DS:ah

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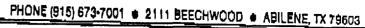
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PHONE (505) 393-2326 . 101 F. MARLAND . HOBBS, NM \$8240

ANALYTICAL RESULTS FOR CITY OF LOVINGTON ATTN: CHARLES KELLY 214 S. LOVE ST. LOVINGTON, NM 88260 FAX TO:

Receiving Date: 03/11/97
Reporting Date: 03/13/97
Project Number: NOT GIVEN

Project Number, NOT GIVEN
Project Location: NOT GIVEN

Analysis Date: 03/13/97 Sampling Date: 03/11/97

Sample Type: GROUNDWATER
Sample Condition: COOL, INTACT

Sample Received By: AH Analyzed By: AH/BC

LAB NUMBER SAMPLE ID

TPH (mg/L)

H2837-1	SAMPLE #4 NAVERRETE	<1.00
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Quality Control	111 11 11 11 11 11 11 11 11 11 11 11 11	203
True Value QC		203
% Recovery		101
Relative Percent	Difference	1.6

METHOD: EPA 418.1, 3510, 3540, or 3550; Infrared Spectroscopy

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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any cisim arising, whether based in contract or ton, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal writin thirty (30) days after completion of the applicable service years again. Cardinal be liable for incidental or consequential damages, including, without smithton, business interruptions, loss of use, or loss of profits incurred by client, its subsidianes, affiliation of successors arising out of or related to the performance of services harsunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



## Laboratory Services, Inc.

6:21 Laboratory Services

1331 Tasker Drive Hobbs, New Mexico 88240 Telephone: (505) 397-3713

## Water Analysis

COMPANY Manzano Oil Company	•	
		1.1/10.1/1
SAMPLE Fresh Water Well (	IRRIGATION WELL)	NW19 SW19
SAMPLED BY Rolland Perry		Sex 11. + 165 R 368
		19ACO.
DATE TAKEN 8/9/96 8:20 AM		
REMARKS		
Barium as Ba	0	
Carbonate alkalinity PPM	Ō	
Bicarbonate alkalinity PPM	348	
pH at Lab	6.25	
Specific Gravity @ 60°F	1.021	
Magnesium as Mg	218	
Total Hardness as CaCO3	376	
Chlorides as Cl	144	
Sulfate as SO4	95	
Iron as Fe	0,25	
Potassium	0.19	
Hydrogen Sulfide	0	
Resistivity Ohms	12.000	@ 20.5 C
Total Dissolved Solids	600	
Calcium as Ca	158	
Nitrate	0	
	o a l'adicamente camentamente de la compansa de la	
Results reported as Parts per Million unless stated		
Langelier Saturation Index	-0.98	

Analysis by: Rolland Perry
Date: 8/9/96

L S

## Laboratory Services, Inc.

Laboratory

1331 Tasker Drive Hobbs, New Mexico 88240 Telephone: (505) 397-3713 5,6

## Water Analysis

COMPANY Manzano Oil Corpor	ation	
Attention: Mr. Don		
SAMPLE "SV" Double Eagle		
SAMPLED BY Rolland Perry		
DATE TAKEN 3/7/97 1:30 PM		0 1
REMARKS		$N/\Lambda$
Wolf Can	M/ Dota	0.00
Barium as Ba	0	
Carbonate alkalinity PPM	Ō	
Bicarbonate alkalinity PPM	124	
pH at Lab	6.35	
Specific Gravity @ 60°F	1.113	
Magnesium as Mg	13,108	
Total Hardness as CaCO3	22,600	
Chlorides as Cl	109,430	
Sulfate as SO4	1,100	
Iron as Fe	35.5	
Potassium	24.13	
Hydrogen Sulfide	0	
Resistivity Ohms	0.073	@ 24.0° C
Total Dissolved Solids	158,750	
Calcium as Ca	9,492	
Nitrate	4.5	
Results reported as Parts per Million unless stated		
Langelier Saturation Index	0.39	
·		
	Analysis by:	Rolland Perry

Date:

3/7/97

# L S

## Laboratory Services, Inc.

1331 Tasker Drive Hobbs, New Mexico 88240 Telephone: (505) 397-3713

## Water Analysis

SAMPLE Chip Shot Battery-Well Head Sample SAMPLED BY Van	
SAMPLED BY Van	
DATE TAVEN	
DATE TAKEN 4/21/97 REMARKS Corrosive Water	
REMARKS Corrosive Water	
Barium as Ba 0	
Carbonate alkalinity PPM 0	
Bicarbonate alkalinity PPM 96	
pH at Lab 6.1	
Specific Gravity @ 60°F 1.116	
Magnesium as Mg 11,252	
Total Hardness as CaCO3 19,400	
Chlorides as Cl 103,429	
Sulfate as SO4 1,100	
Iron as Fe 21.25	
Potassium 22.75	
Hydrogen Sulfide 0	
Resistivity Ohms 0.074 @ 21.1° C	
Total Dissolved Solids 147,500	
Calcium as Ca 8,148	
Nitrate 1.5	
Results reported as Parts per Million unless stated	
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Langelier Saturation Index0.31	
Analysis by: Rolland Perry	
Date: 4/22/97	



#### STATE OF NEW MEXICO

## ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

## OIL CONSERVATION DIVISION HOBBS DISTRICT OFFICE

6/19/07

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

GOVERNOR

OIL CONSERVATION DIVISION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501
RE: Proposed:  MC DHC NSL NSP SWD WFX PMX
Gentlemen:
I have examined the application for the:  Manzano Dil Corp Hudgens #1-J 11-165-36e  Operator Lease & Well Not Unit S-T-R
and my recommendations are as follows:
NEWD TO WAIT till July 4, 1997 to see if my objections me delivered which proms the OCD. Also, THEY NEED IS SHOW of the ADVERLISEMENT WAS placed AND A receipt for placed the ADVERLISEMENT.
Yours very truly,  Chie Welliams

Chris Williams

Supervisor, District 1

/ed



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

5.....

June 24, 1997

Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505

Re: Manzano Oil Corporation's

Hudgens #1

1980'FSL & 1980'FEL Section 11, T16S, R36E Lea County, New Mexico

#### Gentlemen:

Attached is the Affidavit of Publication from the Hobbs Daily News-Sun on the captioned. All other paperwork has been previously submitted.

If you have any questions, please do not hesitate to call.

Sincerely,

Allison Hernandez Engineering Technician

account of the conty

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## Affidavit of Publication

	aco )
	) <b>a</b> s.
COUNTY OF LEA	)
Joyce Clemens	being first duly sworn on oath
deposes and says that he	e is Adv. Director of
THE LOVINGTON DAI	LY LEADER, a daily newspaper
of general paid circula	tion published in the English
language at Lovington,	Lea County, New Mexico; that
said newspaper has bee	n so published in such county
continuously and uninter	rruptedly for a period in excess
	ecutive weeks next prior to the
	notice hereto attached as here-
	said newspaper is in all things
	legal notices within the mean-
	the 1937 Session Laws of the
State of New Mexico.	
That the masics will	in in house assumed anxietad
inat the notice whi	ich is hereto attached, entitled
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My Commission Expires Sept. 28 19.98

LEGAL NOTICE
Manzano Dil Comporation,
P.O. Box 2107, Roswell,
New Mexico 88202-2107
proposes to re-enter the
plugged and abendonied
North American Royalty's
Hudgens #1 well located
1980' FSL & 1980' FEL of
Section 11, T185, R38E,
Leg County New Mexico
and control if lie a water
distinged will, Broduced
water will be injected into
the Wolfcamp zone at a
depth of 10,284'-10,700'
with a maximum of 800
BWell at a maximum of 800
BWell at a missimum of
2108 as All interested
parties opposing the
aforementioned must file
objections with the Oil
Conservation Division,
P.O. Box 2088, Santa Fe,
New Missico 87501 within
15 dispression be obtained by
contacting Diminie Brown
and David Sweeney at
(505)623-1996.

Published in the Lovington Daily Leader June 17, 1997.