

JAN 22 APPLICATION FOR AUTHORIZATION TO INJECT

201

I. PURPOSE: Secondary Recovery _____ Pressure Maintenance X Disposal _____ Storage _____
Application qualifies for administrative approval? X Yes _____ No

II. OPERATOR: HRC, Inc.

ADDRESS: P.O. Box 5102 Hobbs, NM 88241

CONTACT PARTY: Gary M. Schubert PHONE: (505) 397-2725

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 X No
If yes, give the Division order number authorizing the project: _____

V. 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:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic 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 sources known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).

*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources 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: Eddie W. Seay TITLE: Agent

SIGNATURE: Eddie W Seay DATE: 1/14/2002

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

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 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 the 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, 2040 South Pacheco, Santa Fe, New Mexico 87505, 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.

INJECTION WELL DATA SHEET

OPERATOR: HRC Inc.

WELL NAME & NUMBER: Goodwin State #1 (30 025-34593)

WELL LOCATION: 330/N 330/W

UNIT LETTER: D SECTION: 6 TOWNSHIP: 19 S. RANGE: 37 E.

FOOTAGE LOCATION

SECTION TOWNSHIP RANGE

WELBORE SCHEMATIC

WELL CONSTRUCTION DATA

OPERATOR <u>HRC Inc.</u>	DATE <u>Drilled 1999</u>
LEASE <u>Goodwin State</u>	LOCATION <u>Unit D S. 6 T. 19 S. R. 37 E.</u>

Surface Casing

Hole Size: 12 1/4" Casing Size: 8 5/8" to 1618'

Cemented with: 790 sx. or ft³

Top of Cement: surface Method Determined: circulated Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or ft³

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: 7 7/8" Casing Size: 5 1/2"

Cemented with: 400 sx. or ft³

Top of Cement: 2800' Method Determined: calculated

Total Depth: 7510'

Injection Interval

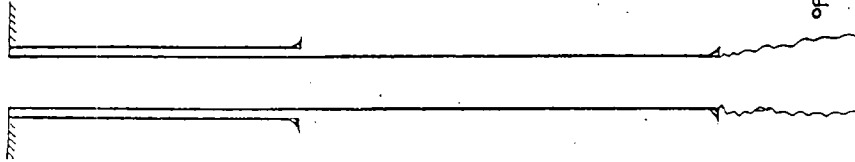
4890' feet to 4920'

open hole 7234 to 7510'

(Perforated or Open Hole; indicate which)

9 1/2" casing set at 1618' with 790 sx of C cement
Hole size 12 1/4" cement circulated

5 1/2" casing set at 2236' with 400 sx of C cement
Total Depth 7510' Hole size 7 7/8" Calculated to 2800'



INJECTION WELL DATA SHEET

Tubing Size: 3 1/3" Lining Material: Plastic coated
Type of Packer: Packer Model D
Packer Setting Depth: 4850'
Other Type of Tubing/Casing Seal (if applicable): None

Additional Data

1. Is this a new well drilled for injection? Yes No
If no, for what purpose was the well originally drilled? Oil & Gas Production
2. Name of the Injection Formation: San Andres
3. Name of Field or Pool (if applicable): Goodwin
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. Yes
Tested Abo 7236'-7510' Set G.I.P @ 7100'; Drinkard Perfs 6676'-6892'
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:
Next higher zone - Queen at 3650'
Next lower zone - Blinbry at 6210'

Attachment to Application C-108

Goodwin State #1

Uni: D, Section 6, Tws. 19 S., Rng. 37 E.

Lea Co., NM

III. Well Data

- A.1) See injection well data sheet.
 - 2) See injection well data sheet.
 - 3) 3 1/2" plastic coated tubing.
 - 4) Baker Model "D" Packer.
-
- B.1) Injection formation - San Andres.
 - 2) Injection Interval - 4890' to 4920'.
 - 3) Original purpose of the well was production.
 - 4) Tested Abo & Drinkard.
 - 5) Next higher zone - Queen at 3650'.
Next lower zone - Blinbry at 6210'.

IV. No

V. Attached

VI. Attached - list of wells and data

VII. Proposed operations

- 1) 1000 lbs. per day of produced water.
- 2) Open system.
- 3) Average pressure is 500#, maximum pressure of 750#.
- 4) Attached.
- 5) Normal San Andres formation fluids.

VIII. The injection zone is the San Andres formation which is a calcareous limestone rock, the formation is approximately 100 ft. thick with the top of the San Andres at 4500' and the base at approximately 5500' below surface.

The drinking water for this area is the Ogallala Aquifer which occurs at a depth of from 60 ft. to 200 ft. below the surface of the ground.

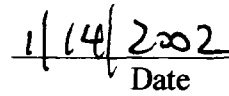
IX. The only stimulation that should be required is acid as needed.

X. Previously submitted.

XI. Water analysis attached.

XII. I, Eddie W. Seay, 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 pertaining to this well.


Signature


Date

<p>16</p> <p>1836</p> <p>State</p> <p>Yates Pet. et al H.B.P. B-230</p>	<p>15</p> <p>1837</p> <p>State</p> <p>Fred Luthy, Jr. et al H.B.P. A-4096</p>	<p>14</p> <p>1838</p> <p>State</p> <p>Yates Pet. et al H.B.P. B-1431</p>	<p>13</p> <p>1839</p> <p>State</p> <p>Yates Pet. et al H.B.P. B-743</p>	<p>12</p> <p>1840</p> <p>State</p> <p>Yates Pet. et al H.B.P. B-1535</p>	<p>11</p> <p>1841</p> <p>State</p> <p>Yates Pet. et al H.B.P. B-1535</p>	<p>10</p> <p>1842</p> <p>State</p> <p>Yates Pet. et al H.B.P. B-1535</p>	<p>9</p> <p>1843</p> <p>State</p> <p>Yates Pet. et al H.B.P. B-1535</p>	<p>8</p> <p>1844</p> <p>State</p> <p>Yates Pet. et al H.B.P. B-1535</p>	<p>7</p> <p>1845</p> <p>State</p> <p>Yates Pet. et al H.B.P. B-1535</p>	<p>6</p> <p>1846</p> <p>State</p> <p>Yates Pet. et al H.B.P. B-1535</p>	<p>5</p> <p>1847</p> <p>State</p> <p>Yates Pet. et al H.B.P. B-1535</p>	<p>4</p> <p>1848</p> <p>State</p> <p>Yates Pet. et al H.B.P. B-1535</p>	<p>3</p> <p>1849</p> <p>State</p> <p>Yates Pet. et al H.B.P. B-1535</p>	<p>2</p> <p>1850</p> <p>State</p> <p>Yates Pet. et al H.B.P. B-1535</p>	<p>1</p> <p>1851</p> <p>State</p> <p>Yates Pet. et al H.B.P. B-1535</p>
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ARKANSAS JUNCTION

(180) State

MIDLAND

(This page contains a dense grid of land ownership records, including names like Yates, Sun, Amerada, and various well identifiers such as B-1535, A-1543, etc. The text is partially obscured by a large black circle in the center.)

Offset Well Information

Chevron, Indiana "1" Well #2

<u>Hole</u>	<u>Casing</u>	<u>Depth</u>	<u>Cement</u>	
12 1/4"	8 5/8"	1593'	790 sx	circulated
7 7/8"	5 1/2"	7205'	1285 sx	TOC 1330'

Chevron, Monument 36 State Well #3

<u>Hole</u>	<u>Casing</u>	<u>Depth</u>	<u>Cement</u>	
12 1/4"	11 3/4"	431'	400 sx	circulated
11"	8 5/8"	2810'	900 sx	circulated
7 7/8"	5 1/2"	7249'	800 sx	TOC 2600'

Chevron, Monument 36 State Well #2

<u>Hole</u>	<u>Casing</u>	<u>Depth</u>	<u>Cement</u>	
11"	8 5/8"	1515'	465 sx	circulated
7 7/8"	5 1/2"	7251'	1470 sx	TOC 820'

Chevron, Monument 36 State Well #1

<u>Hole</u>	<u>Casing</u>	<u>Depth</u>	<u>Cement</u>	
14 3/4"	11 3/4"	425'	300 sx	circulated
11"	8 5/8"	2852'	900 sx	circulated
7 7/8"	5 1/2"	7283'	710 sx	TOC 2250'

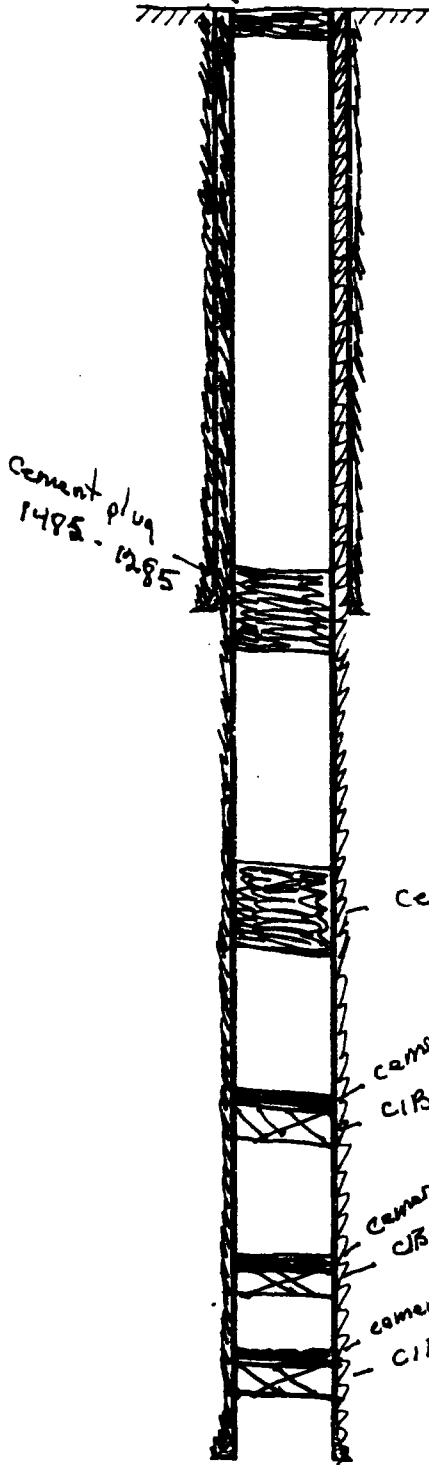
Sahara Operating Co., Indiana "1" Well #1

<u>Hole</u>	<u>Casing</u>	<u>Depth</u>	<u>Cement</u>	
12 1/4"	8 5/8"	1550'	800 sx	circulated
7 7/8"	5 1/2"	7480'	1530 sx	circulated

OPERATOR	Gulf - Chevron		DATE
LEASE	Stat	WELL No.	LOCATION
		1	Unit L Sect 31 T. 18 R. 37

Plug at surface

* Hole loaded w/ salt Gel.



9 5/8 " casing set at 1298 ' with 1685 sx of C cement
 Hole size 12 1/4 " circulated

cement plug 4328 to 4131

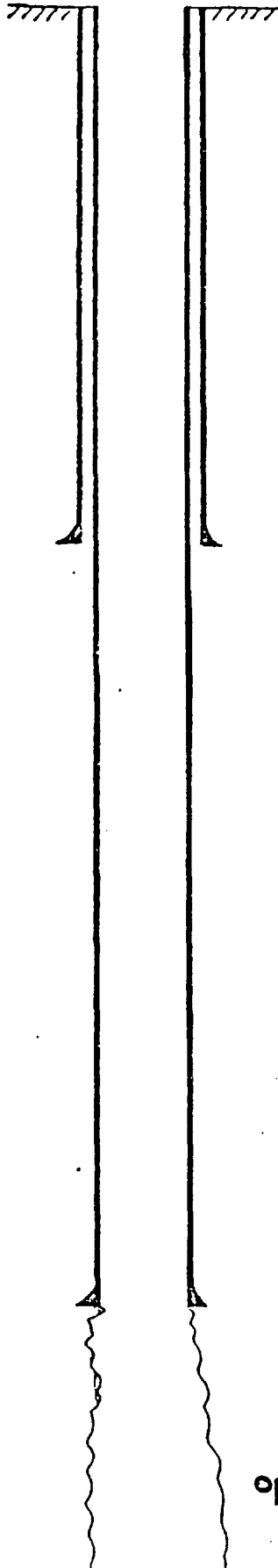
cement CIRP 6750

cement CIRP 7350

cement CIRP 7674

5 1/2 " casing set at 7792 ' with 2010 sx of C cement
 Total Depth 7792 ' Hole size 8 3/4 " circulated

OPERATOR HRC Inc		DATE Drilled 1999
LEASE Goodwin State	WELL No. 1	LOCATION Unit D Sect 6 T. 19S R. 37E



8 $\frac{5}{8}$ " casing set at 1618 ' with 790 sx of C cement
 Hole size 12 $\frac{1}{4}$ " cement circulated

5 $\frac{1}{2}$ " casing set at 7236 ' with 400 sx of C cemen
 Total Depth 7510 ' Hole size 7 $\frac{7}{8}$ " Calculated top 2800'

open hole 7236 to 7510 .

LIST OF OFFSET OPERATORS AND SURFACE OWNERS

Goodwin State
Well No. 1
Unit D, Section 6, Tws. 29 S., Rng. 37 E.
Lea Co., NM

Surface Owners

N. M. State Land Office
P.O. Box 1148
Santa Fe, NM 87505

Offset Operators

Sahara Operating Co.
P.O. Box 4130
Midland, TX 79704

Conoco Inc.
10 Desta Dr., Ste. 100 W.
Midland, TX 79705

Chevron USA Inc.
P.O. Box 1150
Midland, TX 79702

Xeric Oil & Gas Corp.
1801 W. Texas Ave.
Midland, TX 79701

January 14, 2002

HRC, Inc.
P.O. Box 5102
Hobbs, NM 88241
(505)397-2725

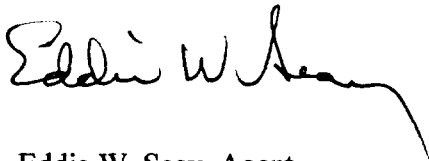
RE: Goodwin State #1
Unit D, Sect. 6, Tws. 19 S., Rng. 37 E.

Dear Sirs:

In accordance with the Rules and Regulations of the Oil Conservation Division of the State of New Mexico, you are being provided a copy of the C-108 Application for Authorization to Inject into the above captioned well.

Any question about the permit can be directed to Eddie W. Seay, (505)392-2236. Any objections or request for hearing must be filed with the Oil Conservation Division within fifteen (15) days from the date received. The OCD address is P.O. Box 6429, 1220 S. Saint Francis Drive, Santa Fe, NM 87504, (505)476-3440.

Thank you,



Eddie W. Seay, Agent
601 W. Illinois
Hobbs, NM 88242
(505)392-2236

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

7001 2510 0007 4767 1154

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Sent To
Xeric Oil & Gas Corp.
 Street, Apt. No. or P.O. Box No.
1801 W. Texas Ave.
 City, State, ZIP+4[®]
Midland, TX 79701

PS Form 3800, January 2001 See Reverse for Instructions

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

7001 2510 0007 4767 1147

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Sent To
Chevron USA, Inc.
 Street, Apt. No. or P.O. Box No.
P.O. Box 1150
 City, State, ZIP+4[®]
Midland, TX 79702

PS Form 3800, January 2001 See Reverse for Instructions

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

7001 2510 0007 4767 1116

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Sent To
N.M. State Land Office
 Street, Apt. No. or P.O. Box No.
P.O. Box 1148
 City, State, ZIP+4[®]
Santa Fe, NM 87505

PS Form 3800, January 2001 See Reverse for Instructions

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

7001 2510 0007 4767 1130

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Sent To
Conoco, Inc.
 Street, Apt. No. or P.O. Box No.
10 Dista Dr., Ste. 100 W.
 City, State, ZIP+4[®]
Midland, TX 79705

PS Form 3800, January 2001 See Reverse for Instructions

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

7001 2510 0007 4767 1123

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Sent To
Sahara Operating Co.
 Street, Apt. No. or P.O. Box No.
P.O. Box 4130
 City, State, ZIP+4[®]
Midland, TX 79704

PS Form 3800, January 2001 See Reverse for Instructions

Affidavit of Publication

STATE OF NEW MEXICO)
) ss.
COUNTY OF LEA)

Joyce Clemens being first duly sworn on oath deposes and says that she is Advertising Director of **THE LOVINGTON DAILY LEADER**, a daily newspaper of general paid circulation published in the English language at Lovington Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled

Legal Notice

was published in a regular and entire issue of **THE LOVINGTON DAILY LEADER** and not in any supplement thereof, for one (1) day, beginning with the issue of January 9, 2002 and ending with the issue of January 9, 2002.

And that the cost of publishing said notice is the sum of \$ 17.74 which sum has been (Paid) as Court Costs.

Joyce Clemens

Subscribed and sworn to before me this 16th day of January 2002

Debbie Schilling

Debbie Schilling
Notary Public, Lea County, New Mexico
My Commission Expires June 22, 2002

LEGAL NOTICE

Pursuant to the rules and regulations of the Oil Conservation Division of the State of New Mexico, HRC, Inc. of Box 5102, Hobbs, NM 88241, is filing application for a commercial salt water disposal. The well being applied for is the Goodwin State #1 located in Unit D, Sect. 6, Tws. 19 S., Rng. 37 E., Lea Co., NM. The injection formation is the San Andres located from 4897' to 4919' below the surface. Expected maximum injection rate is 1000 bls. per day and the expected maximum injection

pressure is approximately 500 lbs. Any questions about the application can be directed to Eddie W. Seay, (505) 392-2236, or any objections or request for hearing must be directed to the Oil Conservation Division, (505) 476-3440, Box 6429, 1220 South Saint Francis Drive, Santa Fe, NM 87504, within fifteen (15) days. Published in the Lovington Daily Leader January 9, 2002.

LEGAL NOTICE

Pursuant to the rules and regulations of the Oil Conservation Division of the State of New Mexico, HRC, Inc. of Box 5102, Hobbs, NM 88241, is filing application for a commercial salt water disposal. The well being applied for is the Goodwin State #1 located in Unit D, Sect. 6, Tws. 19 S., Rng. 37 E., Lea Co., NM. The injection formation is the San Andres located from 4897' to 4919' below the surface. Expected maximum injection rate is 1000 bls. per day and the expected maximum injection pressure is approximately 500 lbs. Any questions about the application can be directed to Eddie W. Seay, (505)392-2236, or any objections or request for hearing must be directed to the Oil Conservation Division, (505)476-3440, Box 6429, 1220 South Saint Francis Drive, Santa Fe, NM 87504, within fifteen (15) days.

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

0			

(A) Owner of well Northern Natural Gas Co.
 Street and Number P. O. Box 3316
 City Malden State Texas
 Well was drilled under Permit No. L-2200 and is located in the
NW 1/4 NW 1/4 NE 1/4 of Section 6 Twp. 19S. Rge. 37E.
 (B) Drilling Contractor Abbott Brothers License No. WD-46
 Street and Number P. O. Box 637
 City Hobbs State New Mexico
 Drilling was commenced February 1 1967
 Drilling was completed February 4 1967

(Plat of 640 acres)

Elevation at top of casing in feet above sea level _____ Total depth of well 177
 State whether well is shallow or artesian shallow Depth to water upon completion 48

Section 2 PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1	65	70	5	Sand
2	82	92	10	Sand
3	100	150	50	Sand
4	150	158	8	Gravel
5	162	173	11	Gravel

Section 3 RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
10/34	32	weld.	0	177	177	Open	123	173

Section 4 RECORD OF MUDDING AND CEMENTING

Depth in Feet	Diameter	Tons	No. Sacks of	Methods Used
From To	Hole in in.	Clay	Cement	
65 feet of surface nipple, 20 inches cemented with 60 sacks of cement then the 3/4" was set inside of 20" nipple.				

Section 5 PLUGGING RECORD

Name of Plugging Contractor _____ License No. _____
 Street and Number _____ City _____ State _____
 Tons of Clay used _____ Tons of Roughage used _____ Type of roughage _____
 Plugging method used _____ Date Plugged _____ 19 _____
 Plugging approved by: _____

Cement Plugs were placed as follows:

No.	Depth of Plug		No. of Sacks Used
	From	To	

Basin Supervisor _____

FOR USE OF STATE ENGINEER ONLY

Date Received 11 FEB 8 1967

File No. L-2200 Use Ind. Location No. 11.376.211

RECORDED & INDEXED 08

Ureg. to S.P.

(This form is to be executed in triplicate)

Well # 3

WELL RECORD

L-2201

Date of Receipt April 23, 1954 Permit No. L-2200, Combine S

Name of permittee, Permian Basin Pipeline Company

Street or P. O. 2223 Dodge Street, City and State Omaha, Nebraska

1. Well location and description: The shallow well is located in Lee Co., S $\frac{1}{4}$, NE N 1/2 NE

NE $\frac{1}{4}$ of Section 6, Township 19S, Range 37E; Elevation of top of casing above sea level, 19' to 66' 8" feet; diameter of hole, 16" T.D. inches; total depth, 178 feet;

depth to water upon completion, 36 feet; drilling was commenced July 2, 19 54

and completed July 21, 19 54, name of drilling contractor Layne-Texas Company

; Address, Midland, Texas; Driller's License No. A-7247 Temp. Permit

2. Principal Water-bearing Strata:

No.	Depth in Feet		Thickness	Description of Water-bearing Formation
	From	To		
No. 1	123	173'	50'	Ogallala sandstone
No. 2				
No. 3				
No. 4				
No. 5				

3. Casing Record:

Diameter in inches	Pounds per ft.	Threads per inch	Depth of Casing or Liner		Feet of Casing	Type of Shoe	Perforation	
			Top	Bottom			From	To
16" OD	53#	FE	0	66' 8"	66' 8"	Band		
10"	32#	8	0	123'	123'			
10"	23#	FE	123	173'	50'		123'	173'
10"	32#	FE	173	178'	5'			

4. If above construction replaces old well to be abandoned, give location: $\frac{1}{4}$, $\frac{1}{4}$, $\frac{1}{4}$ of Section _____, Township _____, Range _____; name and address of plugging contractor, _____

date of plugging _____, 19 _____; describe how well was plugged: _____

SEP 20 1954
 OFFICE
 GROUND WATER SUPERVISOR
 BOULDER, CO. W.A.C.O.

L-2200 + 2701 - Comb. - S

10276212

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

Plat of 640 acres grid with handwritten '204' in the center.

(Plat of 640 acres)

(A) Owner of well... Street and Number... City... State... Well was drilled under Permit No. L-2200-21... (B) Drilling Contractor... License No. ST-46... Street and Number... City... State... Drilling was commenced... 1975... Drilling was completed... 1975...

Elevation at top of casing in feet above sea level... Total depth of well... State whether well is shallow or artesian... Depth to water upon completion...

Section 2 PRINCIPAL WATER-BEARING STRATA

Table with columns: No., Depth in Feet (From, To), Thickness in Feet, Description of Water-Bearing Formation. Row 1: 1, 100-111, 40, sand water.

Section 3 RECORD OF CASING

Table with columns: Dia in., Pounds ft., Threads in., Depth (Top, Bottom), Feet, Type Shoe, Perforations (From, To). Row 1: 16 1/2, 43, welded, 1, 182, 182, none, 100, 102.

Section 4 RECORD OF MUDDING AND CEMENTING

Table with columns: Depth in Feet (From, To), Diameter Hole in in., Tons Clay, No. Sacks of Cement, Methods Used.

Section 5 PLUGGING RECORD

Name of Plugging Contractor... License No... Street and Number... City... State... Tons of Clay used... Tons of Roughage used... Type of roughage... Plugging method used... Date Plugged... 19... Plugging approved by: Basin Supervisor

Cement Plugs were placed as follows:

Table with columns: No., Depth of Plug (From, To), No. of Sacks Used.

FOR USE OF STATE ENGINEER ONLY. Date Received... L-2200-21... File No. L-2201-COMB-3-2 Use IND. Location No. 9.376-212H

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

Plat of 640 acres grid

(Plat of 640 acres)

(A) Owner of well Virgil Lizon
Street and Number
City Hobbs State New Mexico
Well was drilled under Permit No. I-1610 and is located in the
SE 1/4 SW 1/4 NE 1/4 of Section 5 Twp. 19.3 Rge. 37.2
(B) Drilling Contractor Ed. E. Burke License No. WD-111
Street and Number Box 306
City Hobbs State New Mexico
Drilling was commenced January 22 19 56
Drilling was completed January 25 19 56

Elevation at top of casing in feet above sea level Total depth of well 138
State whether well is shallow or artesian Shallow Depth to water upon completion 36

Section 2 PRINCIPAL WATER-BEARING STRATA

Table with columns: No., Depth in Feet (From, To), Thickness in Feet, Description of Water-Bearing Formation. Rows 1-5.

Section 3 RECORD OF CASING

Table with columns: Dia in., Pounds ft., Threads in., Depth (Top, Bottom), Feet, Type Shoe, Perforations (From, To). Row 1.

Section 4 RECORD OF MUDDING AND CEMENTING

Table with columns: Depth in Feet (From, To), Diameter Hole in in., Tons Clay, No. Sacks of Cement, Methods Used.

Section 5 PLUGGING RECORD

Name of Plugging Contractor License No.
Street and Number City State
Tons of Clay used Tons of Roughage used Type of roughage
Plugging method used Date Plugged 19
Plugging approved by: Cement Plugs were placed as follows:

FOR USE OF STATE ENGINEER ONLY
Date Received
Basin Supervisor
File No. I-1610 Use irrig Location No. 19.375-134

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

(A) Owner of well Carroll's Milling Co., Inc.
 Street and Number Box 433
 City Atascosa State New Mexico
 Well was drilled under Permit No. L-4324 and is located in the
1/4 1/4 3/4 of Section 1 Twp. 19N Rge. 36E
 (B) Drilling Contractor Hottel Bros. License No. 46
 Street and Number Box 537
 City Atascosa State New Mexico
 Drilling was commenced July 12 1952
 Drilling was completed July 13 1952

(Plat of 640 acres)

Elevation at top of casing in feet above sea level _____ Total depth of well 110
 State whether well is shallow or artesian shallow Depth to water upon completion 40

Section 2

PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1	<u>40</u>	<u>110</u>	<u>70</u>	<u>water sand</u>
2				
3				
4				
5				

Section 3

RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
<u>7"</u>	<u>Carroll's Milling Co.</u>	<u>1 1/2</u>	<u>only.</u>					

Section 4

RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				

Section 5

PLUGGING RECORD

Name of Plugging Contractor _____ License No. _____
 Street and Number _____ City _____ State _____
 Tons of Clay used _____ Tons of Roughage used _____ Type of roughage _____
 Plugging method used _____ Date Plugged _____ 19 _____
 Plugging approved by: _____ Cement Plugs were placed as follows:

No.	Depth of Plug		No. of Sacks Used
	From	To	

Basin Supervisor

FOR USE OF STATE ENGINEER ONLY

Date Received 201310 8 31 AM 1952

21 18 AM 13 1952 6561

File No. L-4324 Use D.W.P. Location No. 19.36.1.410

Orig. S.F.

WELL RECORD

Pan Ameri. State B # 1

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

(A) Owner of well Gackle Drilling Co.
 Street and Number Box 1076
 City Hobbs State New Mexico
 Well was drilled under Permit No. _____ and is located in the
E 1/4 SE 1/4 NE 1/4 of Section 1 Twp. 19 S Rge. 36 E
 (B) Drilling Contractor Ed. Burke License No. WD-111
 Street and Number _____
 City Hobbs State New Mexico
 Drilling was commenced Feb. 6 1958
 Drilling was completed Feb. 7 1958

(Plat of 640 acres)

Elevation at top of casing in feet above sea level _____ Total depth of well 106
 State whether well is shallow or artesian Shallow Depth to water upon completion 47

Section 2 PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1	53	71	18	Water Sand
2	76	106	30	" "
3				
4				
5				

Section 3 RECORD OF CASING

Dia. in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
6	various	weld	0	89	89	none	54	89

Section 4 RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				

Section 5 PLUGGING RECORD

Name of Plugging Contractor _____ License No. _____
 Street and Number _____ City _____ State _____
 Tons of Clay used _____ Tons of Roughage used _____ Type of roughage _____
 Plugging method used _____ Date Plugged _____ 19 _____
 Plugging approved by: _____

Cement Plugs were placed as follows:

No.	Depth of Plug		No. of Sacks Used
	From	To	

Basin Supervisor
 FOR USE OF STATE ENGINEER ONLY
 Date Received FEB 13 1958
 OFFICE OF GROUND WATER SUPERVISOR
 ROSWELL, NEW MEXICO

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: Range: Sections:

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) Non-Domestic Domestic All



WATER COLUMN REPORT 01/10/2002

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest)

Well Number	Tws	Rng	Sec	q	q	q	Zone	X	Y	Depth Well	Depth Water	Water (in feet) Column
L 03792 APPRO	19S	36E	11	2	4					47	47	50
L 03792	19S	36E	11	2	4					47	47	50
L 04324	19S	36E	11	4	1					40	40	71
L 04324 APPRO	19S	36E	11	4	1					40	40	71

Report 01/10/02



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

PHONE (505) 326-4669 • 118 S. COMMERCIAL AVE. • FARMINGTON, NM 87401

PHONE (806) 796-2800 • 5262 34th ST. • LUBBOCK, TX 79407

ANALYTICAL RESULTS FOR
EDDIE SEAY CONSULTANTS
ATTN:

601 W. ILLINOIS
HOBBS, NM 88240
FAX TO:

Receiving Date: 08/20/96
Reporting Date: 08/27/96
Project Number: NOT GIVEN
Project Name: COOPER RANCH (for FGL)
Project Location: MONUMENT, NM

Sampling Date: 08/20/96
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: GP/WL/BC

LAB NUMBER	SAMPLE ID	Na ppm	Ca ppm	Mg ppm	K ppm	Cl ppm	SO4 ppm	CO3 ppm	HCO3 ppm
ANALYSIS DATE:		8/23/96	8/23/96	8/23/96	8/26/96	8/21/96	8/27/96	8/22/96	8/22/96
H2619-1	HSE. WELL-SUB	46.8	72.6	11.0	2.52	26	46	12	259
H2619-2	W. WELL-SUB	28.5	61.9	7.9	2.32	30	34	0	192
H2619-3	W. CULP-WM	146.0	200.2	24.4	4.85	166	232	12	265
H2619-4	S. CULP-WM	56.4	133.8	20.2	3.57	160	69	26	212
H2619-5	CULP-WM	86.8	153.8	20.4	3.79	264	96	0	192
H2619-6	TIDWELL-WM	49.0	76.7	13.2	3.18	40	69	0	232
H2619-10	RINGY WL.-SUB	262.0	164.2	78.6	11.4	710	129	24	176
H2619-12	FL. WL.(CATH)	862.0	100.8	47.6	9.9	838	1070	58	259
Quality Control		1.99	0.96	0.99	1.02	503	53	NR	NR
True Value QC		2.00	1.00	1.00	1.00	500	50	NR	NR
% Accuracy		99.5	96	99	102	101	96	NR	NR
Relative Percent Difference		0.8	0.3	0	2	0.4	1.1	0	0
METHODS: EPA 600/4-79-02						352.3	375.4		
Std. Methods		3111B	3111B	3111B	3111B			2320B	2320B

Wei Li

Wei Li, Chemist

8-28-96

Date

<u>POOL</u>	<u>LOCATION</u>	<u>CHLORIDES</u>
Dean Permo Pennsylvanian	↓ 5-16-37	44,730
Dean Devonian	↓ 35-15-36	19,525
Denton Wolfcamp	↘ 2-15-37	37,275
Denton Devonian	↘ 26-14-37	37,062
South Denton Wolfcamp	↘ 26-15-37	54,315
South Denton Devonian	↘ 36-15-37	34,080
Medicine Rock Devonian	↘ 15-15-38	39,760
Little Lucky Lake Devonian	↘ 29-15-30	23,288
Wantz Abo	↘ 26-21-37	132,770
Crosby Devonian	↘ 18-25-37	58,220
Scarborough Yates Seven Rivers	↘ 7-26-37	3,443 (Reef)
Teague Simpson	↘ 34-23-37	114,665
Teague Ellenburger	↘ 34-23-37	120,345
Rhodes Yates Seven Rivers	↓ 27-26-37	144,485
House San Andres	↘ 11-20-38	93,365
House Drinkard	↘ 12-20-38	49,700
South Leonard Queen	↘ 24-26-37	115,375
Elliott Abo	↘ 8-21-38	55,380
Scharb Bone Springs	↘ 5-19-35	30,601
EK Queen	↘ 13-18-34	41,890
East EK Queen	↘ 22-18-34	179,630
Maljamar Grayburg San Andres	↘ 22-17-32	46,079
Maljamar Paddock	↘ 27-17-32	115,375
Maljamar Devonian	↘ 22-17-32	25,418
Salt Lake Yates	↘ 7-20-33	6,781 (Reef)
Teas Yates Seven Rivers	↘ 11-20-33	22,152 (Reef?)

SWD-827



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Betty Rivera
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

2/14/02

Oil Conservation Division
1220 S. Francis Drive
Santa Fe, NM 87505

RE: Proposed:

MC	_____
DHC	_____
NSL	_____
NSP	_____
SWD	<u> X </u>
WFX	_____
PMX	_____

Gentlemen:

I have examined the application for the:

HRC Inc Goodwin State #1-D 6-19s-37e
 Operator Lease & Well No. Unit S-T-R API# 30-025-34593

and my recommendations are as follows:

OK

Yours very truly,

Chris Williams (Signature)
 Chris Williams
 Supervisor, District 1