# LIMARK CORPORATION

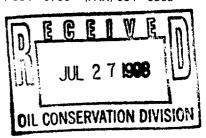
Mark A. Philpy, President

P.O. Box 10708 Midland, Texas 79702-7708 915 / 684 - 5765 (FAX) 684 - 5959

July 24, 1998

State of New Mexico
Oil Conservation Division
Attention: David Catnac
2040 Pacheco St.
Santa Fe. New Mexico 87505

(Del)



via Federal Express

Re:

Form C-108

Application for Authorization to Inject

Federal 27-1 well 1395' FSL & 1575' FEL

Section 27, T-20N, R-4-W

Sandoval County, New Mexico

# Gentlemen:

Please find enclosed your form C-108 "Application for Authorization to Inject" for disposal of produced water into the lower Entrada interval in the above subject well. Please be advised that we have requested publication of a legal notice regarding this application in the Monday, July 27, 1998 edition of the Albuquerque Journal.

Should you need further information, please advise.

Yours sincerely

Mark A. Philpy

President

CC:

New Mexico Oil Conservation Division

1000 Rio Brazos Rd.

Aztec, New Mexico 87410

United States Department of the Interior Bureau of Land Management Rio Puerco Resource Area

435 Montano NE

Albuquerque, New Mexico 87107-4935

011 Conservation Div. 2040 Pacheco St. Santa Fe, NM 87505

FORM C-108 Revised 7-1-81

# APPLICATION FOR AUTHORIZATION TO INJECT

I.	PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage Application qualifies for administrative approval? XYes No
II.	OPERATOR: Limark Corporation
	ADDRESS: P.O. Box 10708, Midland, Texas 79702-7708
	CONTACT PARTY: Mark A. Philpy, President PHONE: 915/684-576
III.	WELL DATA: Complete the data required on the reverse side of this form for each well processed for injection. Additional aheets 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
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.
VĮ.	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>
rvisi.	Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/1 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 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: Mark A. Philpy TITLE: President
	SIGNATURE:
•	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 circumstance 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 scal 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, PO Box 2088, Santa Fe, NM 87504-2088 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.

# APPLICATION FOR AUTHORIZATION TO INJECT

FEDERAL 27-1 WELL 1395' FSL & 1575' FEL SECTION 27, T-20-N, R-4-W SANDOVAL COUNTY, NEW MEXICO

I. PURPOSE: DISPOSAL

Application qualifies for administrative approval? X Yes

II. OPERATOR:

LIMARK CORPORATION

ADDRESS: CONTACT PARTY:

P.O. BOX 10708, MIDLAND, TEXAS 79702-7708

MARK A. PHILPY

PHONE: 915/684-5765

III. WELL DATA: ATTACHED - Exhibit A

IV. Is this an expansion of an existing project: X No

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. ATTACHED – Exhibit B

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. ATTACHED – Exhibit C

VII. Attach data on the proposed operation including:

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

ATTACHED - Exhibit D

VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness and depth. Give the geologic name and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval. ATTACHED — Exhibit E

- IX. Describe the proposed stimulation program, if any. NONE PROPOSED
- X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted.) ENCLOSED (One set to Santa Fe, one set to Aztec)
- XI. Attach chemical analysis of fresh water from two of more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and date samples were taken. ATTACHED Exhibit F
- XII. Applicants for disposal well 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. <u>ATTACHED Exhibit G</u>

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form. ATTACHED – Exhibit H

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: Mark A. Philpy //

TITLE: President

SIGNATURE:

DATE: <u>07/24/98</u>

1	}	
	4 W	RANGE
27	20 N	TOWNSHIP
LEASE Federal 27	27	SECTION
Limark Corporation	#1 1395' FSL & 1575' FEL	FOOTAGE LOCATION
OPERATOR -	WELL NO.	

Schematic

Well Construction Data

SEE ATTACHED

ĸ ä 225 feet determined by visual feet determined by Cemented with Cemeraed with Hole Size 12 1/4" @ 326' Intermediate Casing surface 9 5/8" Surface Casing Ste None Hale Size 5 500

EXHIBIT "A" Page 1 of 3

Long String

Size 7" Cemented with 900\* sx.

TOC surface\* feet determined by visual\*

Hole Size 8 3/4" @ 6040'

6100'\*

Total Depth

Injection interval

(perforated or open-hole; indicate which) fee

<sup>\*</sup> Final cement + open hole to be determined at completion

# INJECTION WELL DATA SHEET

Baker Other type of Other Data 1. Is this to pi	Other type of tubing / casing seal if applicable  Other type of tubing / casing seal if applicable  Other type of tubing / casing seal if applicable  Other type of tubing / casing seal if applicable  Other Data  1. Is this a new well drilled for injection?  If no, for what purpose was the well originally drilled? Entrada 0il but we would like to produce from the upper interval and dispose of produced water into the basal portion of the same formation.
ther to	of tubing / casing seal if applicated  his a new well drilled for injection?  O, for what purpose was the well originally drilled?  Entrada Oil but we would like produce from the upper interval and dispose of produced water to the basal portion of the same formation.
the	his a new well drilled for injection?  Ves X No  o, for what purpose was the well originally drilled? Entrada Oil but we would like produce from the upper interval and dispose of produced water to the basal portion of the same formation.
	bis a new well drilled for injection?  Ves X No  o, for what purpose was the well originally drilled? Entrada Oil but we would like produce from the upper interval and dispose of produced water to the basal portion of the same formation.
	o, for what purpose was the well originally drilled? Entrada Oil but we would like produce from the upper interval and dispose of produced water to the basal portion of the same formation.
	ne of the beleation frametics. Fortrada
3. Name	Name of Field or Pool (if applicable)
Has th	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.
286	5864 - 66' (12 - 0.42" holes) - producing interval
5. Give th	Give the names and depths of any over or underlying oil of gas zones (pools) in this area.
Mano	Mancos (San Ysidro field) - 4 miles north

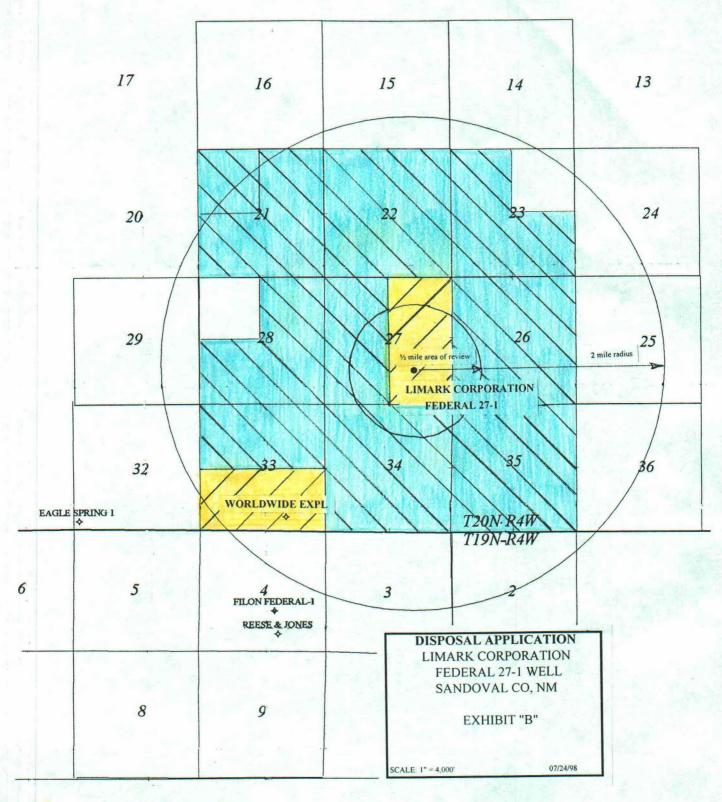
### LIMARK CORPORATION

EXHIBIT "A" Page 3 of 3

WELLBORE SCHEMATIC FEDERAL 27-1 WELL KB - 6864' 1395' FSL & 1575' FEL GL - 6847' SURFACE CEMENTING DETAIL **SECTION 27, T 20 N, R 4 W** 225 SX CLASS 'B' - CIRCULATED TO SURFACE SANDOVAL COUNTY, NEW MEXICO SURFACE CASING DETAIL 7 JTS - 9 5/8" 36.0#/FT ST&C SET @ 324.24" \_ SURFACE HOLE - 12 1/4" @ 326' N .1 0 E D С U PROPOSED UPPER INJECTION STRING Т С PROPOSED PRODUCTION TUBING 2,500' - 2 3/8" FLUSH JOINT (OD - 2.375") 2,500' - 2 7/8" TUBING (COLLAR OD - 3.6") 0 N O PROPOSED ROD STRING 2,500' - 1" RODS WITH ROD GUIDES PROPOSED PUMP 3.5" OD PROGRESSIVE CAVITY PUMP PERF SUB SET AT 2.500 PROPOSED ANCHOR BLANK BAKER - MODEL D PARALLEL STRING ANCHOR WITH J LATCH SUB PROPOSED FINAL CEMENTING DETAIL 450 SX CLASS 'H' (35/65 POZ) W/ 1% CaCl + 6% GEL + 50 SX POZ W/3% GEL PROPOSED LOWER INJECTION STRING LONG STRING CEMENTING DETAIL 3,500' - 2 7/8" TUBING 250 SX CLASS 'B' W/ 2% SODIUM METASILICATE + 150 SX CLASS 'H' W/ 2% GEL CEMENT TOP @ 4022' LONG STRING CASING DETAIL 1 JT - 7" 23#/FT J-55 LT&C (ID - 6.241" DRIFT) 70 JTS - 7" 23#/FT C-95 LT&C (ID - 6.241" DRIFT) 69 JTS - 7" 26#/FT C-95 LT&C (ID - 6.151" DRIFT) 7" FLOAT COLLAR @ 5945.65" 2 JTS - 7" 26#/FT LT&C 7" CEMENT SHOE @ 6033.37' **PERFORATIONS** 5864 - 66' (12 - 0.42" HOLES) PROPOSED INJECTION PACKER BAKER - MODEL A-3 LOK SET RETRIEVABLE CASING PACKER SET AT 6,000'

> PROPOSED OPEN HOLE 6 1/8" 6034' - 6100'

8 3/4" HOLE @ 6040'





ACREAGE LEASED BY LIMARK, ET AL



ACREAGE LEASED BY PENWELL, ET AL

#### **EXHIBIT "C"**

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.

There are no wells located within the ½ mile area of review. The closest well to this well that has penetrated the Entrada formation is the Worldwide Exploration well drilled in the south half of Section 33 approximately 1.75 miles from the proposed injection well.

# **EXHIBIT "D"**

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

Proposed average daily rate is 2,000 bbls of produced water per day. Maximum daily rate is 4,000 bbls.

2. Whether the system is open or closed;

This will be a closed system.

3. Proposed average and maximum injection pressure.

Proposed average injection pressure should be 700 psig and proposed maximum pressure will be 1,500 psig.

4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water;

Water will be reinjected produced water.

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 of inferred from existing literature, studies, nearby wells, etc.)

Not applicable. No wells within one mile of disposal well.

#### **EXHIBIT "E"**

Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness and depth. Give the geologic name and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentration 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.

The injection zone in this wellbore will be in the basal portion (or regional portion) of the Jurassic Entrada sandstone which we believe to be a wind-blown deposit of thinly laminated, cross-bedded material. The sand grains are made of largely fine-grained, subrounded, and highly frosted quartz. This portion of the Entrada shows signs of high porosity and good horizontal permeability. Vertical permeability in this basal portion will probably be relatively low.

The Entrada formation varies in thickness throughout the San Juan basin. The regional thickness is in general 100 feet, but because of the sand dune deposit in this wellbore, we believe the total Entrada dune thickness to be between 200 and 220' thick. The top of the Entrada formation is at 5,865' in this wellbore. The top of the basal portion (or regional portion) is between 5,950' and 6,000'. The formation is deposited on top of the Chinle formation made up of siltstone and shale. The formation is overlain by a limestone cap of the Todilto formation.

Although the Entrada produced water has total dissolved solids below 10,000 mg/l, the nearest formation containing drinking water appears at or near the surface in the Ojo Alamo sandstone (base at approximately 100'). Exhibit 'F' contains an analysis of water produced at a nearby surface windmill and from the Max Lopez spring (approximately 1 mile south). No known sources of drinking water are below the Entrada.

# EXHIBIT "F" Page 1 of 3 Martin Water Laboratories, Inc.

P. O. BOX 1468 MONAHANS, TEXAS 79756 PH. 943-3234 OR 563-1040

709 W. INDIANA MIDLAND, TEXAS 79701 PHONE 683-4521

398128

# RESULT OF WATER ANALYSES

LABORATORY NO.

O: Mr. Mark Philpy		PLE RECEIVED	3-12-98	
P.O. Box 10708, Midland, TX 797	7 <b>/</b> 1/1	ULTS REPORTED_	2 16 00	
	TILO!	DETO REPORTED_		
COMPANY Limark Corp.		Federal	27 #1	
TIELD OR POOL	Wildcat			
ECTION BLOCK SURVEY		idoval STATI	= NM	
OURCE OF SAMPLE AND DATE TAKEN:		OTATI		
NO.1 Recovered water - taken	from Federal 27 #1	. 3-10-98		
		3 10 70		· ·····
NO. 2	od uston to be use			
NO.3^ Produc	ed water to be re	injectea		
NO. 4	,			
REMARKS:	<u>Entrada</u>	<del></del>		
	EMICAL AND PHYSICAL P	ROPERTIES		
	NO. 1	NO. 2	, NO. 3	NO. 4
Specific Gravity at 60° F.	1.0109			
pH When Sampled				
pH When Received	7.37			
Bicarbonate as HCO,	415			
Supersaturation as CaCO <sub>3</sub>				
Undersaturation as CaCO,				
Total Hardness as CaCO,	330			
Calcium as Ca	120			
Magnesium as Mg	7			
Sodium and/or Potassium	2,792			
Sulfate as SO <sub>4</sub>	4,826			
Chloride as CI	739			
Iron as Fe	27.5			`
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	8,899			
Temperature *F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen,				
Hydrogen Sulfide	0.0		•	
Resistivity, ohms/m at 77° F.	0.900			
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, mi				
				1
	Results Reported As Milligram			
Additional Determinations And Remarks The above	results reveal a	slight decl	ine in the ca	alcium and
sodium chloride levels of this	water as compare	d to that re	covered 2-7-9	and reported
on laboratory #29853. However	, the water still	has basical	ly the same	characteristics
as encountered previously. We	do note a signif	icantly lowe	r iron conte	nt at this
time.				
				<i>f</i>
Form No. 3				

# EXHIBIT "F" Page 2 of 3 Martin Water Laboratories, Inc.

P. O. BOX 1468 MONAHANS, TEXAS 79756 PH. 943-3234 OR 563-1040

709 W. INDIANA MIDLAND, TEXAS 79701 PHONE 683-4521

# RESULT OF WATER ANALYSES

v v 1 D1 (1		LABORATORY NO	398127	
TO: Mr. Mark Philpy		SAMPLE RECEIVED	3-12-98	
P.O. Box 10708, Midland, TX 79702		RESULTS REPORTED_	3-16-98	
COMPANY Limark Corp.		- LEASE		
FIELD OR POOL				ŧ.
SECTION BLOCK SURVEY	COUNTY	Sandoval STATE	NM	
SOURCE OF SAMPLE AND DATE TAKEN:	•			
NO.1 Raw water - taken from s	tock tank (sur	rface). 3-10-98		
NO.2				
NO.3 * 1/2 mile	NW from dispos	sal well		
		Jan Merr		
NO. 4				
REMARKS:				· <del></del>
CI	HEMICAL AND PHYS	SICAL PROPERTIES		
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0006			·
pH When Sampled				
pH When Received	7.1	8		
Bicarbonate as HCO,	54			
Supersaturation as CaCO <sub>3</sub>				
Undersaturation as CaCO,				
Total Hardness as CaCO,	24			
Calcium as Ca	6			
Magnesium as Mg .	2			
Sodium and/or Potassium	16			
Sulfate as SO,	10			
Chloride as CI	3			
Iron as Fe	17.2			
Barium as Ba	·			
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	91			
Temperature *F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen,			-	
Hydrogen Sulfide	0.0	)		
Resistivity, ohms/m at 77° F.	90.0	00		
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				
	Results Reported As	<del></del>		
Additional Determinations And Remarks The under	<u>ersigned certi</u>	ifies the above to	be true and	correct to
the best of his knowledge and	belief.			
		<del></del>		<del></del>
		<del></del>		
	<u> </u>		<i>F</i> }_	•
				7
			The same of the sa	acusett.

# EXHIBIT "F" Page 3 of 3

# Martin Water Laboratories, Inc.

P. O. BOX 1468 MONAHANS, TEXAS 79756 PH. 943-3234 OR 563-1040

709 W. INDIANA MIDLAND, TEXAS 79701 PHONE 683-4521

398126

# RESULT OF WATER ANALYSES

LABORATORY NO. \_\_

o: Mr. Mark Philipy		SAMPLE RECEIVED	<u>3-12-98</u>	
.O. Box 10708, Midland, TX 7	9702	RESULTS REPORTE	0 1 / 00	
Tri sala Como				
OMPANY Limark Corp.		LEASE		
IELD OR POOL		C 1 1	NTM (	
ECTION BLOCK SURVEY	COUNTY	Sandoval ST	ATE NM	······
OURCE OF SAMPLE AND DATE TAKEN:				
NO.1 Spring water. 3-10-98		<del></del>		
NO. 2				
	Lopez spring			
NO. 4 1 mi	le south from d	isposal well		
**************************************				
LIMANIO.	OUEWOAL AND DUVO			
	CHEMICAL AND PHYS	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0010	NO. 2	140.3	140. 4
	1.0010			
pH When Sampled pH When Received	7.7	7		
Bicarbonate as HCO,	137			<del> </del>
	137			
Supersaturation as CaCO <sub>1</sub>				
Undersaturation as CaCO <sub>3</sub>	60			
Total Hardness as CaCO,  Calcium as Ca	21			
	21 2			
Magnesium as Mg Sodium and/or Potassium	39			<u> </u>
Sulfate as SO.	26			
Chloride as Cl	4			<del> </del>
Iron as Fe	17.2			<u> </u>
Barium as Ba	11,2			
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	229			
Temperature *F.	227			
Carbon Dioxide, Calculated				-
Dissolved Oxygen,				
Hydrogen Sulfide	0.0	<u>,                                      </u>		
Resistivity, ohms/m at 77° F.	44.7			
Suspended Oil	44.7	_		
Filtrable Solids as mg/l				<del> </del>
Volume Filtered, mt				<del> </del>
				<u> </u>
	Results Reported As	Milligrams Per Liter		
Additional Determinations And Remarks The un	dersigned certif	fies the above	to be true and	correct to
the best of his knowledge an				
	54.5			
	J#1149		_	
			7)	
			110	
			1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	-

Form No. 3

Waylan C. Martin, M.A.

# **EXHIBIT "G"**

Applicants for disposal well 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.

Limark Corporation does hereby state that we have examined all available geologic and engineering data and find no evidence of open faults of any other hydrologic connection between the disposal zone and any underground sources of drinking water.

## **EXHIBIT "H"**

# Applicants must complete the "Proof of Notice" section on the reverse side of this form.

As of this 24<sup>th</sup> day of July, 1998, Limark Corporation has mailed by certified mail a copy of this application to the following:

### **SURFACE OWNER**

United States Department of the Interior Bureau of Land Management Rio Puerco Resource Area 435 Montano NE Albuquerque, New Mexico 87107-4935

### **OFFSET LEASEHOLD OPERATORS**

Penwell Energy, Inc. 600 N. Marienfeld, Suite 1100 Midland, Texas 79701

### PROOF OF PUBLICATION

As of this 24<sup>th</sup> day of July, 1998, Limark Corporation has sent a notice for publication (below) to the following:

<u>Albuquerque Journal</u> (to be published in the Monday, July 27, 1998 edition)

Cuba News (to be published in the Friday, August 21, 1998 edition)

Limark Corporation, Attn: Mark A. Philpy, P.O. Box 10708, Midland, TX 79702-7708, (915)684-5765, is making an application with the New Mexico Oil & Gas Conservation Commission, to dispose produced water into the Entrada Formation from 6,034'-6,100' in the Federal 27-1 well located 1395' FSL and 1575' FEL of Sec. 27, T-20-N, R-4-W, Sandoval County, NM. Maximum disposal rate will be 4,000 bbls per day and maximum disposal pressure will be 1,500 psig. Interested parties must file objections or requests for hearing with the Oil Conservation Division, P.O. Box 2088, Santa Fe, NM 87204-2088 within 15 days.