

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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M. M. OIL & GAS COMMISSION  
P. O. BOX 1980  
HOBBS, NEW MEXICO

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. 8824 NM-56263
2. Name of Operator Manzano Oil Corporation	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. P.O. Box 2107, Roswell, NM 88202-2107 (505) 623-1996	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1650 FSL & 1650 FEL Section 28, T19S, R34E	8. Well Name and No. Sun Pearl Federal No. 1
	9. API Well No. 30-025-38409
	10. Field and Pool, or Exploratory Area Pearl Queen
	11. County or Parish, State Lea County, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other NTL-2B Information
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

- (a) Pearl Queen
- (b) 161 BWPD
- (c) Attached
- (d) 200 bbl storage tank
- (e) Pressured in flow line
- (f) Strata Production Company, Stivason Federal #3, NWNE, Section 33, T19S, R34E
- (g) SWD-420, Stivason Federal #3, NWNE, Section 33, T19S, R34E

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MAY 17 9 41 AM '93  
CADD AREA

14. I hereby certify that the foregoing is true and correct

Signed Allison Roney Title Engineering Technician Date April 29, 1993

(This space for Federal or State office use)

Approved by (ORIG. SGN) JOE G. LARA Title PETROLEUM ENGINEER Date JUN 15 1993

Conditions of approval, if any:

see attached

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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AND ROBBS " " "  
OFFICE

05-04-93 11:07AM FROM WES...RN CO HOBBS NM

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# THE WESTERN COMPANY OF NORTH AMERICA WATER ANALYSIS

HOBBS, NEW MEXICO LAB

ANALYSIS #: HB010201

## GENERAL INFORMATION

OPERATOR: MANZANO OIL CORP.  
WELL: SUN PEARL FEDERAL.  
FIELD:  
FORMATION:  
COUNTY:  
STATE:

DEPTH: 0  
DATE SAMPLED: 5-3-93  
DATE RECEIVED: 5-3-93  
SUBMITTED BY: DONNIE BROWN  
WORKED BY: MIKE HILL  
PHONE #: 505-392-5556

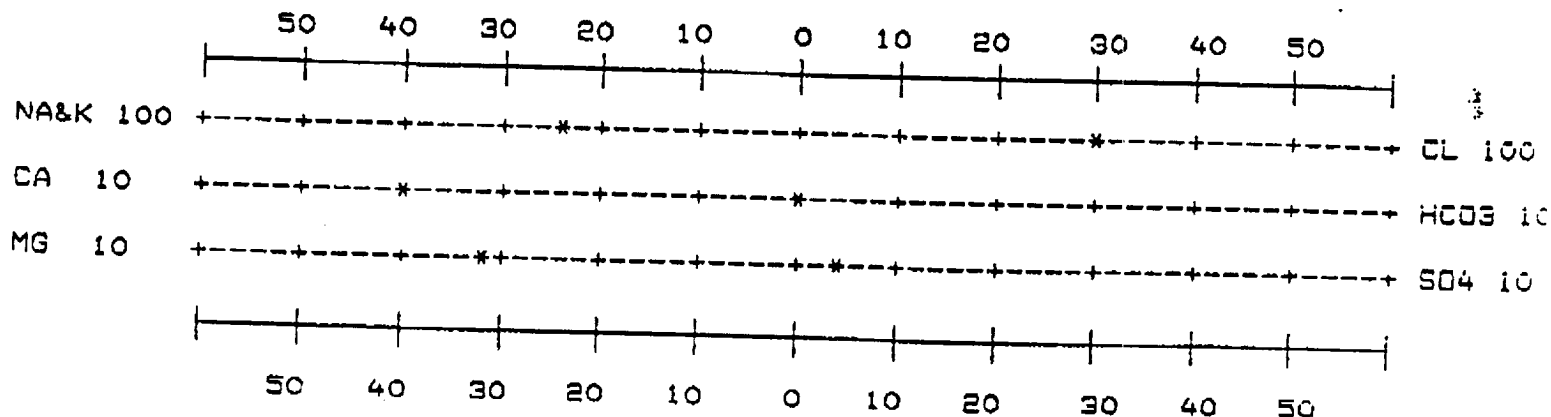
## SAMPLE DESCRIPTION:

## PHYSICAL AND CHEMICAL DETERMINATIONS

SPECIFIC GRAVITY:	1.130 @ 74 °F	PH:	5.6
RESISTIVITY (CALC. ):	.045 OHMS @ 75 °F		
IRON (FE++):	10 PPM	SULFATE:	1593 PPM
CALCIUM:	7929 PPM	TOTAL HARDNESS:	35398 PPM
MAGNESIUM:	3785 PPM	BICARBONATE:	324 PPM
CHLORIDE:	106171 PPM	SODIUM CHLORIDE (CALC)	174631 PPM
SODIUM+POTASS:	53491 PPM	TOT. DISSOLVED SOLIDS:	196977 PPM
KCL	:NONE DETECTED	OIL	INONE

## REMARKS:

## STIFF TYPE PLOT (IN MEQ/L)



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OFFICE

Disposal of Produced Water From Federal Wells  
Conditions of Approval

Approval of the produced water disposal methodology is subject to the following conditions of approval:

1. That this agency be notified of any change in your method or location of disposal.
2. Compliance with all provisions of NTL-2B.
3. This agency shall be notified of any spill or discharge as required by NTL-3A.
4. This agency reserves the right to modify or rescind approval whenever it determines continued use of the approved method may adversely affect the surface or subsurface environments.
5. All aboveground structures on the lease shall be painted sandstone brown, Federal Std. 595-20318, or 30318, within 90 days if you have not already done so.
6. Any on lease open top storage tanks shall be covered with a wire screen to prevent entry by birds and other wildlife.
7. This approval should not constitute the granting of any right-of-way or construction rights not granted by the lease instrument.
8. If water is transported via a pipeline that extends beyond the lease boundary, then you need to submit within 30 days an application for right-of-way approval to the Realty Section in this office if you have not already done so.

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