

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONS COMMISSION
awer DD
Artesia, NM 88210

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

5. Lease Designation and Serial No.
NM-33437

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
PMS 8 FEDERAL # 3

9. API Well No.
30-015-26127

10. Field and Pool, or Exploratory Area
SHUGART BONE SPRING, N.

11. County or Parish, State
EDDY COUNTY, NM

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

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Harvey E. Yates Company

3. Address and Telephone No.

P.O. Box 1993, Roswell, NM 88202 1-505-623-6601

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

UNIT E, 660' FWL & 1980' FNL
SEC. 8, T-18S, R-31E

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

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

TYPE OF ACTION

☐ Change in Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☒ Dispose Water

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

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.)

1. FORMATION: BONE SPRING
2. BWPD: APPROX. 1 BW
3. WTR ANALYSIS: SEE ATTACHED
4. LEASE STORAGE: IN FIBERGLASS TANK
5. WATER TRANSPORTED: BY TRUCK TO DISPOSAL
6. OPERATOR: TENNESSEE WATER DISPOSAL
TENNESSEE FEDERAL WELL # 1
UNIT I, SEC. 21, T-19S, R-31E
EDDY COUNTY, NM

OR LOCO HILLS WATER DISPOSAL COMPANY
SEC. 16, T-17S, R-30E
EDDY COUNTY, NM

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

Signed RAY F. NOKES Title PROD. MGR./ ENG.

Date 9/27/94

(This space for Federal or State office use)

Approved by Petroleum Engineer Title Petroleum Engineer

Date 11/4/94

Conditions of approval, if any:

- SEE ATTACHED -



PHONE: (505) 393-7726

P.O. BOX 2187
HOBBS, N.M. 88240

WATER ANALYSIS REPORT

Report for: Ray Nokes

cc:

cc:

cc:

Company: Heyco

Address:

Service Engineer: Mike Edwards

Date sampled: 08/15/94

Date reported: 08/26/94

Lease or well # : PMS 8-3

County: ~~State~~ Fed.

Formation:

Depth:

Submitted by: Mike Edwards

CHEMICAL COMPOSITION :

	mg/L	meq/L
Chloride (Cl)	69000	1946
Iron (Fe) (total)	12.0	
Total hardness	19200	
Calcium (Ca)	5172	258
Magnesium (Mg)	1530	123
Bicarbonates (HCO ₃)	305	5
Carbonates (CO ₃)	0	
Sulfates (SO ₄)	1465	31
Hydrogen sulfide (H ₂ S)	23	
Carbon dioxide (CO ₂)	302	
Sodium (Na)	36820	1601
Total dissolved solids	114294	
Barium (Ba)	n/a	
Strontium (Sr)	n/a	

Specific Gravity

1.081

Density (#/gal.)

9.009

pH

6.650

IONIC STRENGTH

2.19

Stiff-Davis (CaCO₃) Stability Index :

SI = pH - pCa - pAlk - K

SI @ 86 F = +0.27

104 F = +0.50

122 F = +0.76

140 F = +1.05

158 F = +1.37

This water is 1166 mg/l (-35.95%) under ITS CALCULATED
CaSO₄ saturation value at 82 F.
SATURATION= 3243 mg/L PRESENT= 2077 mg/L

REPORTED BY JOY DUNCAN
LAB TECHNICIAN

(rev. 3/10/94)

BUREAU OF LAND MANAGEMENT
CARLSBAD RESOURCE AREA

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. This agency be notified of any change in your method or location of disposal.
2. Compliance with all provisions of Onshore Oil and Gas Order No. 7.
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 or pits shall be covered with a wire screen or plastic/nylon netting to prevent entry by birds and other wildlife.
7. This approval does not constitute right-of-way approval for any off lease activities. 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.