

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N.M. OIL CONS. COMMISSION  
P.O. BOX 1980  
HOBBS, NEW MEXICO 88240

FORM APPROVED

Order 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

☒ 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)

I, 1980' FSL & 660' FEL  
SEC. 3, T-18S, R-32E

5. Lease Designation and Serial No.

NM-036852

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

YOUNG DEEP 3 FED. # 5

9. API Well No.

30-025-28718

10. Field and Pool, or Exploratory Area

YOUNG BONE SPRING, NORTH

11. County or Parish, State

LEA, NM

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

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment

TYPE OF ACTION

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

- ☐ 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 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.)

1. FORMATION: BONE SPRING  
2. BWPD: . 5  
3. WTR ANALYSIS: SEE ATTACHED  
4. LEASE STORAGE: NONE  
5. WATER TRANSPORTED BY FASTLINE FROM YD 3 FED. BATTERY TO YDU PRESS. MAINT.  
OR IN EMERGENCY TRUCKED TO DISPOSAL FACILITIES LISTED IN # 6  
6. OPERATOR: RAY WESTALL OR LOCO HILLS WATER DISPOSAL COMPANY  
TENNESSEE FEDERAL WELL # 1 SEC. 16, T-17S, R-30E  
UNIT I, SEC. 21, T-19S, R-31E EDDY COUNTY, NM  
EDDY COUNTY, NM R-6811-B  
R-8173

NOTE:

YOUNG DEEP UNIT (PRESSURE MAINT. ) 'STORAGE FACILITY LOCATED SOUTH OF YOUNG DEEP UNIT # 1 PAD, UT.  
D, SEC. 10, T-18S, R-32E.

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

Signed

RAY F. NOKES

Title

PROD. MGR./ ENG.

Date 8/8/95

(This space for Federal or State office use)

Approved by

and Signed by Shannon J. Shaw

Title

PETROLEUM ENGINEER

Date

9/5/95

Conditions of approval, if any:



# Water Analysis Report

Analysis Number : 000003415

Company.....: **Heyco**  
Location.....: **Roswell, New Mexico**  
Field.....:   
Lease.....: **Young Deep**  
Sample Source....: **Wellhead**

Date of Sampling.....: **02/03/95**  
Date of Analysis.....: **02/03/95**  
Baker Representative.: **Steven Stroud**  
Well#.....: **3-4, 3-3, 3-2, 3-5**  
Analysis by.....: **Williams**

## DISSOLVED SOLIDS

### CATIONS:

|       | mg/l     | me/l    |
|-------|----------|---------|
| Ca++  | 8000.00  | 400.00  |
| Mg++  | 2928.00  | 240.00  |
| Fe+++ | 50.03    | 2.69    |
| Ba++  | 0.00     | 0.00    |
| Na+   | 49613.76 | 2157.12 |
| Mn++  | 0.00     | 0.00    |

### ANIONS:

|       |          |         |
|-------|----------|---------|
| Cl-   | 97999.88 | 2760.56 |
| SO4-- | 1500.00  | 31.25   |
| HCO3- | 488.00   | 8.00    |
| CO3-- | 0.00     | 0.00    |
| OH-   | 0.00     | 0.00    |
| S-    | 0.00     | 0.00    |

TOTAL HARDNESS.....: 640.00  
TOTAL SOLIDS (quantitative).....: 160579.70  
RESIDUAL HYDROCARBONS(ppm).....: 0.00

ø = not determined

## DISSOLVED GASES

|                             |      |
|-----------------------------|------|
| Hydrogen Sulfide, H2S.....: | 0.0  |
| Carbon Dioxide, CO2.....:   | 79.2 |
| Oxygen, O2.....:            | 0.0  |

## PHYSICAL PROPERTIES

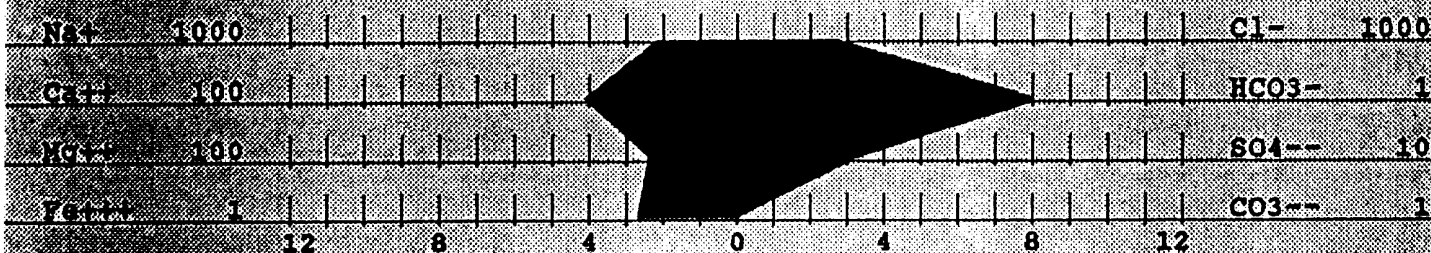
|                            |          |
|----------------------------|----------|
| pH.....:                   | 5.8      |
| Specific Gravity.....:     | 1.100    |
| TDS (calculated) ppm.....: | 160579.7 |
| TIS (calculated) .....     | 3.1      |

## SCALE STABILITIES

| Temp.                     | °C | °F  | CaCO3 | CaSO4 | BaSO4 |
|---------------------------|----|-----|-------|-------|-------|
|                           | 20 | 68  | 0.02  | 2492  | 1     |
|                           | 30 | 86  | 0.24  | 2680  | 1     |
|                           | 40 | 104 | 0.49  | 3160  | 1     |
| Max entity, (calculated): |    |     | 2233  | 0     |       |

## WATER ANALYSIS PATTERN

(number beside ion symbol indicates me/l scale unit)



NOTES: