

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N.M. OILGASONS. COMMISSION  
P.O. BOX 1980  
ROSWELL, NEW MEXICO 88240

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

☒ 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 C., 330' FNL & 1980' FWL  
SEC. 12, T-18S, R-32E

5. Lease Designation and Serial No.

NM-40456

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

CHEVRON 12 FED. # 1

9. API Well No.

30-025-29747

10. Field and Pool, or Exploratory Area

YOUNG BONE SPRING, N.

11. County or Parish, State

LEA CO., NM.

12. CHECK APPROPRIATE BOX(es) 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: APPROX. 31BW FROM #1 & 0 BW FROM #2 (BATTERY TOTAL 31 BW CURRENTLY.)
3. WTR ANALYSIS: SEE ATTACHED.
4. LEASE STORAGE: STOCK TANKS FOR BACKUP & TESTING
5. WATER TRANSPORTED: BY FASTLINE TO "HEYCO'S" ESWS; FOR BACKUP PW TRUCKED TO DISPOSAL
6. OPERATOR: TENNESSEE WATER DISPOSAL 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

NOTE: WATER TRANSFERRED TO E.S.W.S. GATHERING SYSTEM LOCATED ON TANK 1 FED. # 2 PAD  
UT. M, SEC. 1, T-18S, R-32E. WATER THEN TRANSFERRED TO 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 9/27/94

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:



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

PHONE: (505) 393-7726

## WATER ANALYSIS REPORT

Report for: Ray Nokes

cc:

cc:

cc:

Company: Heyco

Address:

Service Engineer: Mike Edwards

Date sampled: 08/16/94

Date reported: 08/26/94

Lease or well # : Chevron 12-Fed #16

County: State:

Formation:

Depth:

Submitted by: Mike Edwards

*Battery Total  
Sample.*

### CHEMICAL COMPOSITION :

	mg/L	meq/L
Chloride (Cl)	118000	3329
Iron (Fe) (total)	2.0	
Total hardness	17700	
Calcium (Ca)	5413	270
Magnesium (Mg)	1020	82
Bicarbonates (HCO <sub>3</sub> )	451	7
Carbonates (CO <sub>3</sub> )	0	
Sulfates (SO <sub>4</sub> )	2646	55
Hydrogen sulfide (H <sub>2</sub> S)	17	
Carbon dioxide (CO <sub>2</sub> )	680	
Sodium (Na)	69898	3039
Total dissolved solids	197430	
Barium (Ba)	n/a	
Strontium (Sr)	n/a	

Specific Gravity 1.141

Density (#/gal.) 9.509

pH 6.070

IONIC STRENGTH 3.59

Stiff-Davis (CaCO<sub>3</sub>) Stability Index :

$$SI = pH - pCa - pAlk - K$$

SI @ 86 F = +0.31

104 F = +0.54

122 F = +0.80

140 F = +1.09

158 F = +1.41

This water is 658 mg/l ( 21.28%) over ITS CALCULATED  
CaSO<sub>4</sub> saturation value at 82 F.

SATURATION= 3092 mg/L

PRESENT= 3750 mg/L

REPORTED BY JOY DUNCAN  
LAB TECHNICIAN