

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. SILCONS COMMISSION
P.O. BOX 1980
ROPER NEW MEXICO 88240
FORM 3160-5 REVISED
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 LETTER K, 1650' FSL AND 2310' FWL
SEC. 24, T-19S, R-34E

5. Lease Designation and Serial No.

NM-0381550 (c)

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

MOBIL 24 FEDERAL # 1

9. API Well No.

30-025-30839

10. Field and Pool, or Exploratory Area

LEA BONE SPRINGS

11. County or Parish, State

LEA CO., 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: 4.47
3. WTR ANALYSIS: SEE ATTACHED
4. LEASE STORAGE: IN FIBERGLASS TANK
5. WATER TRANSPORTED: BY TRUCK TO DISPOSAL
6. OPERATOR: RAY WESTALL
TENNESSEE FEDERAL WELL # 1
UNIT I, SEC. 21, T-19S, R-31E
EDDY COUNTY, NM
R-8173

OR LOCO HILLS WATER DISPOSAL COMPANY
SEC. 16, T-17S, R-30E
EDDY COUNTY, NM
R-6811-B

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

Signed RAY F. NOKES

Title PROD. MGR./ ENG.

Date 8/7/95

(This space for Federal or State office use)

Approved by Shannon J. Shaw

Title PETROLEUM ENGINEER

Date 9/5/95

Conditions of approval, if any:



Water Analysis Report

Analysis Number : 000003424

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

Date of Sampling.....: **02/03/95**
Date of Analysis.....: **02/03/95**
Baker Representative.: **Steven Stroud**
Well#.....: **# 24**
Analysis by.....: **Williams**

DISSOLVED SOLIDS

CATIONS:

	mg/l	me/l
Ca++	4400.00	220.00
Mg++	2928.00	240.00
Fe+++	50.00	2.69
Ba++	0.00	0.00
Na+	64667.49	2811.63
Mn++	0.00	0.00

ANIONS:

Cl-	115000.00	3239.44
SO4--	1290.00	26.88
HCO3-	488.00	8.00
CO3--	0.00	0.00
OH-	0.00	0.00
S-	0.00	0.00
TOTAL HARDNESS.....		460.00
TOTAL SOLIDS (quantitative).....		188823.50
RESIDUAL HYDROCARBONS(ppm).....		0.00

Ø = not determined

DISSOLVED GASES

Hydrogen Sulfide, H2S.....	0.0
Carbon Dioxide, CO2.....	39.6
Oxygen, O2.....	0.0

PHYSICAL PROPERTIES

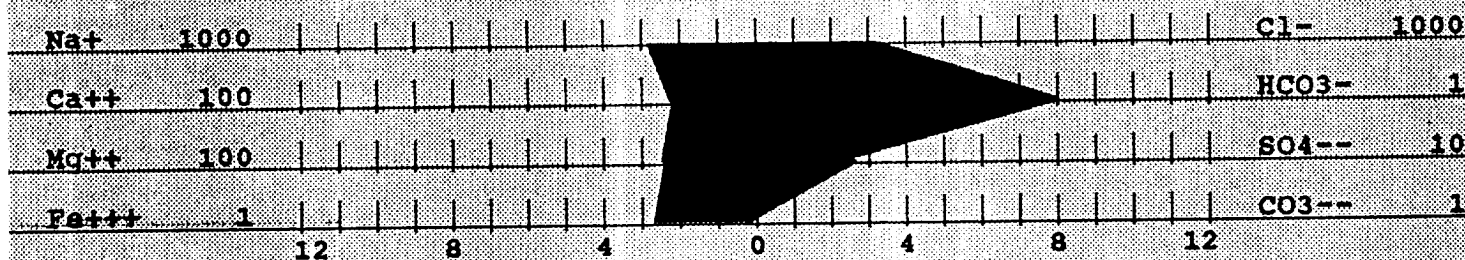
pH.....	6.3
Specific Gravity.....	1.100
TDS (calculated) ppm.....	188823.5
TIS (calculated)	3.5

SCALE STABILITIES

Temp.	°C	°F	CaCO3	CaSO4	BaSO4
	20	68	0.31	3909	1
	30	86	0.52	4194	1
	40	104	0.79	4956	1
Max entity, (calculated):				1938	0

WATER ANALYSIS PATTERN

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



NOTES: