

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FEB 17 1994

NM OIL CONS COMMISSION
Drawer DD

Artesia, NM 88210

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

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Harvey E. Yates Company

3. Address and Telephone No.

P.O. Box 1933, Roswell, NM 88201

(505) 623-6601

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

Unit J, 1980' FSL & 1980' FEL
Sec.08, T18S, R31E

5. Lease Designation and Serial No.

LC-029393-A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

ARCO 8-2

9. API Well No.

30-015-27130

10. Field and Pool, or Exploratory Area

North Shugart/Bone Spring

11. County or Parish, State

Eddy County, 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 Notice

TYPE OF ACTION

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

- ☐ Change of 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. BWP: 15
3. Wtr Analysis: See attached.
4. Lease storage: stock tanks.
5. Water transported by truck to disposal.
6. Operator: Tennessee Water Disposal
Tennessee Federal Well #1
Unit 1, Sec.21, T19S, R31E
Eddy County, NM

or Loco Hills Water Disposal Company
Sec.16, T17S, R30E
Eddy County, NM

ORIGINAL FILED IN
SPECIAL OFFICE
ATTACHED

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

Signed

Jim Green

Title

Eng. in Charge

Date

1/24/94

(This space for Federal or State office use)

Approved by

James R. Ames

Title

Supv. PET

Date

2/14/94

Conditions of approval, if any:

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.

*See Instruction on Reverse Side



**BAKER PERFORMANCE
CHEMICALS**
A Division of Baker Performance Chemicals, Inc.

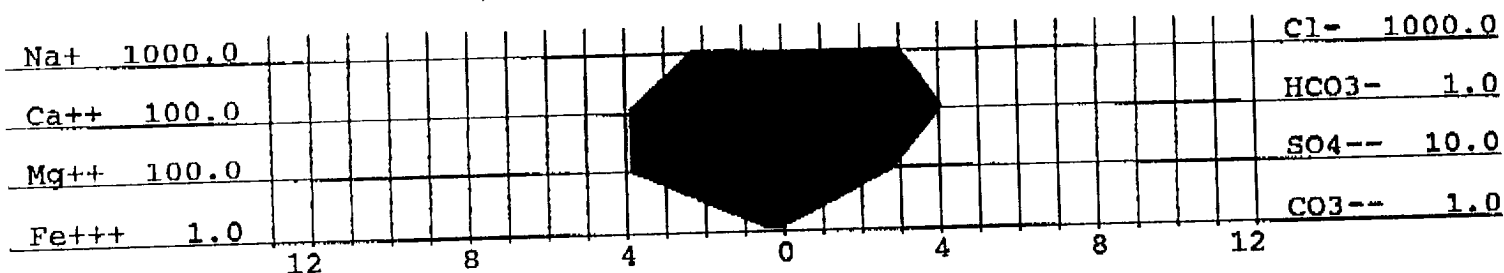
**WATER ANALYSIS
for
HEYCO**

Date of Analysis: JANUARY 12, 1994
Company: HEYCO
State: NEW MEXICO
Lease: ARCO 8-2 & 8-5
Oil (bbl/day): N/D
Type of Water: PRODUCED
Sample Source: HEATER TREATER
Representative: STEVE STROUD

Analysis #: 2549
Company Address: ROSWELL
Field: N/D
Well #: #2, #5
Water (bbl/day): N/D
Temp., C: 20
Date of Sampling: JANUARY 11, 1994
Analysis By: SUZANNE WILLIAMS

WATER ANALYSIS PATTERN

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



DISSOLVED SOLIDS

CATIONS	me/l	mg/l
Total Hardness	800.00	
Calcium, (Ca++)	400.00	8019.25
Magnesium, (Mg++)	400.00	4860.56
Iron, (Fe+++)	0.54	10.00
Barium, (Ba++)	N/D	N/D
Sodium, Na+(calc)	2360.39	54288.94
Manganese, (Mn++)	0.00	0.00

ANIONS

Chloride, Cl-	3126.76	110996.09
Sulfate, SO4--	29.97	1440.00
Carbonate, CO3--	0.00	0.00
Bicarbonate, HCO3-	4.20	256.25
Hydroxyl, OH-	0.00	0.00
Sulfide, S--	0.00	0.00
TOTAL SOLIDS (quant.)		179871.00

DISSOLVED GASES

Hydrogen sulfide:	0.00	mg/l
Carbon dioxide	43.30	mg/l
Oxygen	N/D	mg/l

PHYSICAL PROPERTIES

pH	6.80
Spec Grav.	1.115
TDS (calc.)	179875.30

SCALE STABILITIES

Temp., C	CaCO3	CaSO4	BaSO4
20.0	0.74	2453	0
30.0	0.94	2635	0
40.0	1.20	3009	1
Max entity, (calc.)	2157		0
RESIDUAL HYDROCARBONS:		N/D	

N/D = not determined

@20'C...CALCIUM SULFATE SCALING IS UNLIKELY.
@20'C...MODERATE CARBONATE SCALING.