

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. OIL CONS. COMMISSION
P.O. BOX 1980
HOBBS, NEW MEXICO 88240
FORM 3160-5
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	5. Lease Designation and Serial No. NM-036852
2. Name of Operator Harvey E. Yates Company	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. P.O. Box 1993, Roswell, NM 88202 1-505-623-6601	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) J, 1980' FSL & 1980' FEL SEC. 3, T-18S, R-32E	8. Well Name and No. YOUNG DEEP 3 FED. # 3
	9. API Well No. 30-025-27534
	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	TYPE OF ACTION
☐ Notice of Intent	☐ Abandonment
☒ Subsequent Report	☐ Recompletion
☐ Final Abandonment	☐ 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. BHPD: .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 Signed by Shannon J. Sha... 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

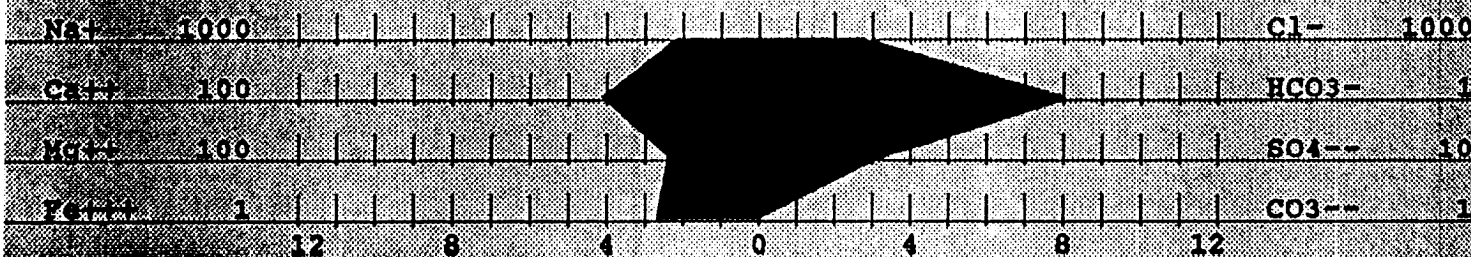
pH.....:	5.8
Specific Gravity.....:	1.100
TDS (calculated) ppm.....:	160579.7
TIS (calculated)	3.1

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: