

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ASC 10-11-79
OIL CONS. COMMISSION
P.O. BOX 1990
ROSWELL, NEW MEXICO 88202

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

5. Lease Designation and Serial No.
LC-065580

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

891018042B

8. Well Name and No.
YOUNG DEEP UNIT # 34

9. API Well No.
30-025-31467

10. Field and Pool, or Exploratory Area
YOUNG DELAWARE, N.

11. County or Parish, State
LEA COUNTY, NM

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 O, 330' FSL & 1915' FEL
SEC. 9, T-18S, R-32E

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change in Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> 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 some pertinent to this work.)

- FORMATION: DELAWARE
- BWPD: APPROX 35
- WTR ANALYSIS: SEE ATTACHED.
- LEASE STORAGE: STOCK TANKS FOR EMERGENCY & TESTING.
- WATER TRANSPORTED: BY FASTLINE TO YDU # 31 & THEN TRANSFERRED TO YDU PRESS. MAINT. OR IN EMERGENCY TRUCKED TO DISPOSAL FACILITIES LISTED IN # 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

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

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

Signed Ray F. Nokes RAY F. NOKES Title PROD. MGR/ ENG. Date 9/27/94

(This space for Federal or State office use)

Approved by _____ Title _____ Date 9/27/94

Conditions of approval, if any:



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

PHONE: (505) 393-7726

W A T E R A N A L Y S I S R E P O R T

Report for: Ray Nokes	Date sampled: 08/15/94
CC:	Date reported: 08/26/94
CC:	Lease or well # : Young Deep Unit34
CC:	County: State:
Company: Heyco	Formation:
Address:	Depth:
Service Engineer: Mike Edwards	Submitted by: Mike Edwards

CHEMICAL COMPOSITION :	mg/L	meq/L
Chloride (Cl)	152000	4288
Iron (Fe) (total)	0.0	
Total hardness	68100	
Calcium (Ca)	17483	872
Magnesium (Mg)	5953	478
Bicarbonates (HCO3)	195	3
Carbonates (CO3)	0	
Sulfates (SO4)	792	17
Hydrogen sulfide (H2S)	0	
Carbon dioxide (CO2)	439	
Sodium (Na)	68011	2957
Total dissolved solids	244436	
Barium (Ba)	n/a	
Strontium (Sr)	n/a	
Specific Gravity	1.174	
Density (#/gal.)	9.784	
pH	6.260	
IONIC STRENGTH	4.99	

Stiff-Davis (CaCO3) Stability Index :
 $SI = pH - pCa - pAlk - K$

SI @ 86 F = +1.29
 104 F = +1.52
 122 F = +1.78
 140 F = +2.07
 158 F = +2.39

This water is 95 mg/l (-7.80%) under ITS CALCULATED
 CaSO4 saturation value at 82 F.
 SATURATION= 1218 mg/L PRESENT= 1123 mg/L

REPORTED BY JOY DUNCAN
 LAB TECHNICIAN