

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONS COMMISSION
Drawer DD
Artesia, NM 88210 *clsf*

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.
NM-2537

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
SOUTH TAYLOR 13 FED. # 4

9. API Well No.
30-015-26150

10. Field and Pool, or Exploratory Area
SHUGART, Y, 7-R, Q, GRBG

11. County or Parish, State
EDDY CO., NM

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 I, 1650' FSL & 660' FEL
SEC. 13, R-18S, R-31E

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 zones pertinent to this work.)

1. FORMATION: GRAYBURG

2. BWPD: 37.5

3. WTR ANALYSIS: SEE ATTACHED

4. LEASE STORAGE: BY FASTLINE TO ONSITE PIT ON # 1 PAD; FOR BACKUP PW TRUCKED TO DISPOSAL

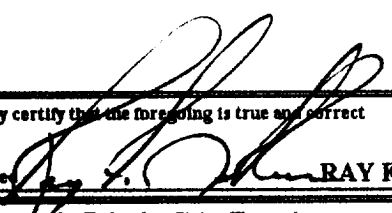
5. WATER TRANSPORTED: BY TRUCK TO DISPOSAL

6. OPERATOR: RAY WESTALL
TENNESSEE FEDERAL WELL # 1
UNIT I, SEC. 21, T-19S, R-31E
EDDY COUNTY, NM
R-8173

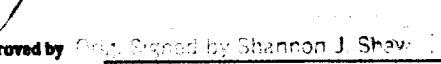
OR LOCO HILLS WATER DISPOSAL COMPANY
SEC. 10
EDDY COUNTY, NM
R-6811-B

RECEIVED
AUG 31 1995
OIL CON. DIV.
DIST. 2

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

Sign:  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. Shaw Title: PETROLEUM ENGINEER Date: 8/29/95

Conditions of approval, if any:

This 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.



Water Analysis Report

Analysis Number : 000003423

Company.....: **Heyco**
 Location.....: **Roswell, New Mexico**
 Field.....: **South Taylor**
 Lease.....: **Wellhead**

Date of Sampling.....: **02/03/95**
 Date of Analysis.....: **02/03/95**
 Baker Representative.: **Steven Stroud**
 Well#.....: **13-4**
 Analysis by.....: **Williams**

DISSOLVED SOLIDS

CATIONS:

	mg/l	me/l
Ca++	12400.00	620.00
Mg++	4392.00	360.00
Fe+++	15.00	0.81
Ba++	0.00	0.00
Na+	61221.86	2661.82
Mn++	0.00	0.00

ANIONS:

Cl-	128000.00	3605.63
SO4--	1680.00	35.00
HCO3-	122.00	2.00
CO3--	0.00	0.00
OH-	0.00	0.00
S-	0.00	0.00

TOTAL HARDNESS.....: 980.00
 TOTAL SOLIDS (quantitative).....: 207830.90
 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

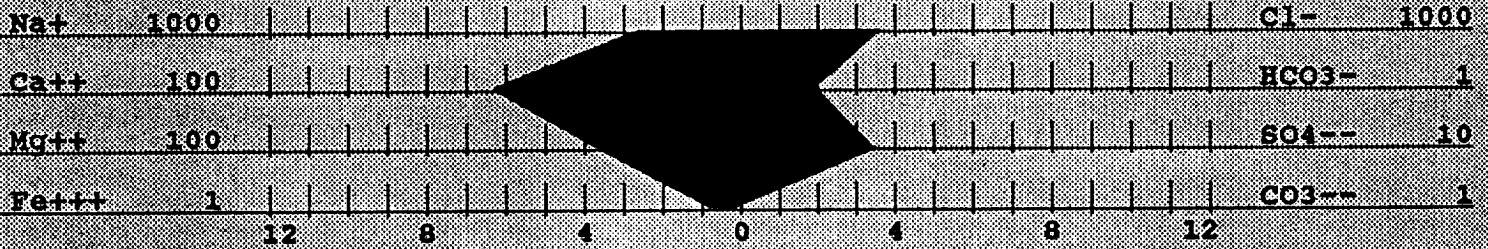
pH.....: 5.8
 Specific Gravity.....: 1.115
 TDS (calculated) ppm.....: 207830.9
 TIS (calculated): 4.2

SCALE STABILITIES

Temp.	°C	°F	CaCO3	CaSO4	BaSO4
	20	68	-6.46	1657	1
	30	86	-6.79	1829	1
	40	104	-6.86	2287	1
			Max entity, (calculated):	2539	0

WATER ANALYSIS PATTERN

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



NOTES: