	N.M. U D. BC	NEW MEXICO 88240	
(
Do not use this form for p	RY NOTICES AND REPORTS ON WELLS oposals to drill or to deepen or reentry to a different reservoir JICATION FOR PERMIT'' for such proposals	5. Lease Designation and Serial No. LC-40453 6. If Indian, Allotte or Tribe Name	
USC AFFI	SUBMIT IN TRIPLICATE	7. If Unit or CA, Agreement Designation	
1. Type of Well XOII Well Gas Well	Other	8910180420	
2. Nume of Operator Harvey E. Yates Com	pany	8. Well Name and No. YOUNG DEEP UNIT # 11 9. API Well No.	
3. Address and Telephone No. P.O. Box 1993, Ros	well, NM 88202 1-505-623-6601	30-025-28793 10. Field and Pool, or Exploratory Area YOUNG BONE SPRING, NORTH	
4. Location of Well (Footage, Sec., T., R., I UNIT LETTER F, 1650' H SEC. 9, T-18S, R-32E		11. County or Parish, State LEA CO., NM	
	TE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT. TYPE OF ACTION	OR OTHER DATA	
TYPE OF SUBMISSION	Abandonment Chang in	Plans 🔊	
Subsequent Report	Recompletion New Con. Plugging Back Non-Rout Casing Repair Water Sh Altering Casing Conversit	struction E The Fracturing The Fracturing The Fracturing The Fracturing The Fracturing The Fracturing The Fracture State	
	(Note: Report re Campletion or R	suits of multiple completion on Well ecompletion Report and Log Ferm.)	
	learly state all pertinent dotails, and give pertinent dates, including estimated date of starting any proposed wor ed and true vertical depths for all markers and zones pertinent to this work.)	k. If well is directionally drilled,	
 FORMATION: BWPD: WTR ANALYSIS: LEASE STORAGE: WATER TRANSPORTED: OPERATOR: 	TENNESSEE FEDERAL WELL # 1 SEC. 16, 7	S LISTED IN #6 ILLS WATER DISPOSAL COMPANY F-17S, R-30E DUNTY, NM	
D, SEC. 10, T-18S, R-32E.	SURE MAINT.) 'STORAGE FACILITY LOCATED SOUTH OF Y	OUNG DEEP UNIT #1 PAD, UT.	
14. I hereby certify plat the foreguing int	RAY F. NOKES TITLE PROD. MGR./ ENG.	Date 8/8/95	
(This space for Federal or State off			
Orig, Signed h	y Adam Sidamah mu Petroleum Engineer	Date 8/31/95	
Approved by Conditions of approval, if any:			
- SEE ATTAL	HE7_	an the state of the	
This 15 U.S.C. Sortism 1001, makes it a crime for or representations as to any matter within its juri	any person knowingly and willfully to make to any department or agency of the United States any fake, fictitiou ediction.	s or fraudulent statements	



Analysis Number : 000003416

Company: Heyco Location: Roswell, New Mexico Field Lease: Young Deep Sample Source: Wellhead	Date of Sampling Date of Analysis: Baker Representative.: Well# Analysis by	02/03/95
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	DISSOLVED	SOLIDS	
CATIONS:	mg/t		me/l
Ca++	14000.00		700.00
Mg++	5856.00		480.00
Fe+++	150.00		8.06
Ba++	0.00		0.00
Na+	45081.84		1960.08
Mn++	0.00		0.00
ANIONS:			
Cl-	111000.00		3126.76
so4	930.00		19.38
HC03-	122.00		2.00
CO3	0.00		0.00
OH-	0.00		0.00
S-	0.00		0.00
TOTAL HARDNESS.			1180.00
TOTAL SOLIDS (q	uantitative)		177139.80
	ARBONS(ppm)		
ø = not determin			

DISSOLVED GASES

Hydrogen Sulfide, H2S:	0.0
Carbon Dioxide, CO2:	39.6
Oxygen, 02	0.0

PHYSICAL PROPERTIES

рН:	5.9
Specific Gravity	1.105
TDS (calculated) ppm:	177139.8
TIS (calculated)	3.7

		SCAI	LE STABII	LITIES	
Temp.	°C	°F	CaCO3	CaSO4	BaSO4
	20	68	-0.67	1479	1
	30	86	-0.52	1617	1
	40	104	-0.28	1982	1
	Max ent	ity, (cal	culated):	1392	0

not determined

WATER ANALYSIS PATTERN (number beside ion symbol indicates me/l scale unit)								
<u>Na+</u>	1000					1.1.1.	<u> cl-</u>	1000
<u>Ca++</u>	100						НСОЗ-	1
Ma++	100					444	<u> </u>	- 10
Fe+++	1				11		<u> CO3-</u>	- 1

NOTES:

(rev. 3/10/94)

BUREAU OF LAND MANAGEMENT CARLSBAD RESOURCE AREA

Disposal of Produced Water From Federal Wells

Conditions of Approval

Approval of the produced water disposal methodology is subject to the following conditions of approval:

- 1. This agency be notified of any change in your method or location of disposal.
- 2. Compliance with all provisions of Onshore Oil and Gas Order No. 7.
- 3. This agency shall be notified of any spill or discharge as required by NTL-3A.
- 4. This agency reserves the right to modify or rescind approval whenever it determines continued use of the approved method may adversely affect the surface or subsurface environments.
- 5. All aboveground structures on the lease shall be painted sandstone brown, Federal Std. 595-20318, or 30318, within 90 days if you have not already done so.
- 6. Any on lease open top storage tanks or pits shall be covered with a wire screen or plastic/nylon netting to prevent entry by birds and other wildlife.

7. This approval does not constitute right-of-way approval for any off lease activities. If water is transported via a pipeline that extends beyond the lease boundary, then you need to submit within 30 days an application for right-of-way approval to the Realty Section in this office if you have not already done so.