N.M. OIL CONS. COMMISSION

•		Y 185	SU .	
50	3 8 5,	NEW	MEXICO	88240 APPROVED

Form	3160-5
(June	1990)

UNITED STATES

Budget Burem No. 1004-0135	
Expires: March 31, 1993	

(PARTMENT OF THE INTERIOR			Buremi No. 1004-0135		
		BUREAU OF LAND MA	NAGEME	NI			res: March 31, 1993 Ition and Serial No.	
	SUN	IDRY NOTICES AND REP	ORTS ON	WELLS			NM-22642	
		r proposals to drill or to dec			rent reservoir	6. If Indian, Allo	tte or Tribe Name	
	Use "AF	PPLICATION FOR PERM	ff" for su	ch proposals				
-		SUBMIT IN TRIP	LICATE			7. If Unit or CA,	Agreement Designation	
1. Type o	orwell Oil WellGas Well	Other				8	3910180420	
2. Name	of Operator					8. Well Name an	d No.	
H	Iarvey E. Yates Com	ipany				YOUNG	DEEP UNIT #29	
						9. API Well No.	0.005.31200	
	es and Telephone No.						0-025-31299	
P	P.O. Box 1993 , Ros	swell, NM 88202 1-50	5-623-660	D1 		•	10. Field and Pool, or Exploratory Area YOUNG BONE SPRING, N.	
	ion of Well (Footage, Sec., T., R., I					11. County or P	ırish, State	
	NIT K, 2310' FSL & 165	50' FWL				164	COUNTY, NM	
S	EC. 10, T-18S, R-32E					LIEA	(. OON 1 1, INII	
12. C	HECK APPROPRIATION	TE BOX(s) TO INDICAT	E NATUE	RE OF NOTI	CE, REPORT, C	OR OTHER I)ATA	
	YPE OF SUBMISSION			TYPE	OF ACTION			
Г	Notice of Intent	Abandonment			Chang	ge in Plans		
l		Recompletion			New (Construction 🚊). 	
X	Subsequent Report	Plugging Back			i	Routine Fracturing	-	
		Casing Repair				r Shut-Off		
L	Final Abandoment	Altering Casing			X Dispo	ersion to Injection	()	
		Other			. اسسا	rt results of multiple of	male Ha on Well	
					-	or Recompletion Repor	-	
11 December	he Proposed of Completed Operations (C	learly state all pertinent details, and give per	rtinent dates, lock	aling estimated date of	starting any proposed work.	If well is directionally d	rilled, 🔾	
15. 15.		ed and true vertical depths for all markers an				Ser Project	94	
4	FORMATION:	BONE SPRING						
1. 2.	BWPD:	APPROX. 2						
3.	WTR ANALYSIS:	SEE ATTACHED.						
4.	LEASE STORAGE:	STOCK TANKS					CHAN	
5.	WATER TRANSPORT	FED: BY TRUCK TO YO	UNG DEEL	ONIT PRES	S. MAINT, SYSTE	IM (SEE BEL ET ISTEN IN	UW) #6	
		OR IN EMERGENC						
6.	OPERATOR:	TENNESSEE WATE			SEC. 16, T-178, I		SAL COMPANY	
		TENNESSEE FEDE UNIT I, SEC. 21, T-1		1, # 1	EDDY COUNTY			
		EDDY COUNTY, N				,		
		EMOT COUNTY, III						
NOTE	C:							
YOUN	NG DEEP UNIT (PRESS	SURE MAINT.) 'STORAGI	E FACILII	Y LOCATED	SOUTH OF YOU	JNG DEEP U	NIT # 1 PAD, UT.	
D, SE	C. 10, T-18S, R-32E.	, *						
	9/							
14. I ber	eby certify that the foregring is tr	ue and correct						
81	gned Luy F	RAY F. NOKES	Title	PROD. M	IGR./ ENG. Du	ate <u>9/27/94</u>		
T	his space for Federal or State offi	ce use)					الماسية ال	
_			Title		Da	ite	4 1974	
_	pproved by unditions of approval, if any:		11/16				N	
C	urantima or approver, n mij.							

This 18 U.S.C. Section 1801, makes it a crime for any person knowingly and willfully to make to any department or eigency of the United States ony false, fictitious or fraudulent statements



P.O.BOX 2187 HOBBS, N.M. 88240 PHONE: (505) 393-7726

State:

WATER ANALYSIS REPORT

Report for: Ray Nokes Date sampled: 08/18/94

cc: Date reported: 08/26/94
cc: Lease or well #: Young Deep Unit29

CC: County: Company: Heyco Formation:

Address: Depth:

Service Engineer: Mike Edwards Submitted by: Mike Edwards

CHEMICAL COMPOSITION:	mg/L	meg/L
Chloride (Cl)	135000	3808
<pre>Iron (Fe) (total)</pre>	30.0	
Total hardness	37600	
Calcium (Ca)	12230	610
Magnesium (Mg)	1725	139
Bicarbonates (HCO3)	183	3
Carbonates (CO3)	0	
Sulfates (SO4)	1054	22
Hydrogen sulfide (H2S)	0	
Carbon dioxide (CO2)	702	
Sodium (Na)	70939	3084
Total dissolved solids	221133	
Barium (Ba)	n/a	
Strontium (Sr)	n/a	
Specific Gravity	1.157	
Density (#/gal.)	9.642	
Н	6.260	
IONIC STRENGTH	4.22	
Stiff-Davis (CaCO3) Stability Inde	x :
· · · · · · · · · · · · · · · · · · ·	- pCa - pAlk - K	
SI (0.86 F = +0.73	
	104 F = +0.96	
	122 F = +1.22	
	140 F = +1.51	

This water is 8 mg/l (-0.53%) under ITS CALCULATED CaSO4 saturation value at 82 F. SATURATION= 1503 mg/L PRESENT= 1495 mg/L

158 F = +1.83