MARTIN WATER LABORATO	RIES,	INC.
-----------------------	-------	------

Copy to Rogers. Filr

P.O. Box	1468 Phone Monahans, Te	943-3234 or 56 exas 79756		T OF WATER					and, Texas 7	ne 683-4521 79701
TO: <u>Mr. Jim Blount</u> <u>400 W. Illinois, Suite</u>		1000, Midland, TX		LABORATORY NO			<u>    692162</u> <u>    6-16-92</u>			
				RESULTS REPORTED			9-22-92			
			API WAT	ER ANALYS	IS REPO	RT F	ORM			
	Company Mitchell	Energy			· · · · _	Sam	ple No.	Date	Sampled	
	Field Ton to, S. North Pearl		Legal 1	Legal Description		County or Lea		sh	State   NM	
	Lease or Unit Geronimo	;	Well #7	Depth		F	ormation Yates even Rivers	Wa	ter, B/D	
		er (Produced, S		Sampling F	Point			· · · · · · · · · · · · · · · · · · ·	npled By	
DISSOLV	ED SOLIDS					OTE	IER PROPERT	IES		
CATIONS Sodium, Na (calc.) Calcium, Ca Magnesium, Mg Barium, Ba		mg/l 6,527 1,350 443	me/l 283.8 67.5 36.5	pH 7.5   Specific Gravity, 60/60 F. 1.0199   Resistivity (ohm-meters)_77°F. 0.3   Total Hardness, as CaCO3 5,200						
ANIONS							WATER	PATT	ERNS — me	e/l
Chloride, ( Sulfate, S Carbonate, Bicarbonat	04 , CO3	<u>11,008</u> <u>3,151</u> <u>0</u> 720	310.4 65.5 0.0 11.8		x 1 x 1	0co+				20 11111 1111 1111 1111 1111 1111 1111 1111 1111 1111 1111 1
Total Dissolved Solids (calc.) 23,199			LOGARITHMIC Nopu <del>nit Fundit Fundit Fridin Fr</del>							
Iron, Fe (t Sulfide, as		<u>    0.2</u> 0 <u>    32.0</u>	0.0			₩g Fe <sup>00000</sup>				

REMARKS & RECOMMENDATIONS: We have no records of either Yates or Seven Rivers waters sufficiently near this field for use in comparing with the above. Our more distant records show wide variations in the characteristics of both Yates and Seven Rivers; therefore, we would not feel confident in using them to draw a conclusion regarding the origin of this water. However, we would basically consider the characteristics to be that of a natural subsurface water. We do note that the water from this well is similar to the water from well #10 except for a substantial difference in the sulfate level.

Waylan C. Martin, M.A.