GRUY PETROLEUM MANAGEMENT CO.

AUTHORITY FOR EXPENDITURE

LEASE WELL	RHODES FEDERAL UNIT #4-3	DATE:	3/4/98
LOCATION	2310' fsl, 990 frw, Unit L, Sec. 4, T26S-R37E	PREPARED BY:	H. Miller
COUNTY,STAT	LEA NEW MEXICO	AFE NUMBER:	0
PROJECT	Perforate Yates and stimulate.		

ACCT	WORKOVER EXPENSE				AMOUNT
800.05	LEASE ACQUISITION COST				
870.10	DAMAGES				
870.12	DIRTWORK, ROADS, CLEANUP				
870.24	RIG / WELL SERVICE UNIT	4 DAYS @	$1,250	/ DAY	5,000.00
870.25	MISCELLANEOUS SUPPLIES				
870.30	FUEL, POWER, LUBE OILS				
870.31	WATER & WATER HAULING				500.00
870.32	TRANSPORTATION				
870.40	CHEMICALS				
870.52	WIRELINE SERVICES (Perforating)				
870.60	CEMENT & CEMENTING				
870.61	CASING CREW & EQUIPMENT				
870.70	EQUIPMENT RENTAL				2,500.00
870.74	ACIDIZING / FRACTURING				59,000.00
870.75	PERFORATING				5,600.00
870.77	FRAC OIL				
870.78	ROUSTABOUTS				
870.80	CONTRACT LABOR - WELDING				
870.81	SUPERVISION - COMPANY				1,000.00
870.82	SUPERVISION - CONTRACT				
870.84	ENGINEERING / GEOLOGICAL				
870.85	OVERHEAD				
870.95	MISCELLANEOUS & CONTINGENCIES (10%)				7,360.00
				TOTAL EXPENSE	80,960.00

	EQUIPMENT					
840.10	CASING	FT	@		$/FT	
840.11	CASING	FT	@		$/FT	
840.12	CASING	FT	@		$/FT	
840.13	TUBING	3000 FT	@	$ 2.30	$/FT	6,900.00
840.24	RODS	3000 FT	@	$ 1.00	$/FT	3,000.00
840.50	FLOW LINE	FT	@		$/FT	
840.20	WELLHEAD EQUIPMENT					
840.23	SUBSURFACE EQUIPMENT (BH PUMP ETC.)					1,500.00
840.60	TANKS					
840.30	TREATER					
840.31	SEPARATOR					
	GAS PROCESSING UNIT/SWEETENERS					
840.21	PUMPING UNIT AND POWER					5,500.00
	OTHER MISCELLANEOUS EQUIPMENT (FENCES,CULVERTS,TOOLS)					
840.80	CONSTRUCTION / INSTALLATION					
840.95	MISCELLANEOUS & CONTINGENCY (10%)					1,690.00
					TOTAL EQUIPMENT	18,590.00
					TOTAL WELL COST	99,550.00

OIL CONSERVATION DIVISION
HARTMAN EXHIBIT NO. 23
CASE NOS. 12015 & 12017