

Attachment No. 3
 Dos Hermanos (Morrow)
 Eddy County, New Mexico

LEASE_NAME & Well No.	OPERATOR	LOCATION	STATUS	FPDATE	LPDATE	Cum. Prod. as of 10/2000		Est. Ult. Recovery		Net Pay Ft (1)	Drainage Area Acres (2)	Porosity Average	1-Sw Average
						GAS_CUM MCF	OIL_CUM BO	GAS MCF	OIL BO				
HALE FEDERAL COM # 2	V-F PETROLEUM INC.	20S30E22K	ACTIVE	197302	200010	1,186,555	8,476	1,205,000	8,500	40	54	7.00%	0.75
FEDERAL G GAS COM # 1	AMOCO PRODUCTION	20S30E21J	INACT.	197501	198602	1,940,834	14,572	1,940,834	14,572	78	31	10.00%	0.75
EMPEROR OIL FEDERAL # 1	AMOCO PRODUCTION	20S30E28F	INACT.	197001	198104	9,437,250	52,825	9,437,250	52,825	39	417	7.30%	0.75

Note 1 Net pay estimated from open hole logs with general cutoffs of Porosity>6%, Sw<48%, GR<45-60 API units
 The Amoco Emperor Fed # 1 net pay and perfed interval of 40' was reduced to 39' because of microlog indicated permeability.

Note 2 Calculation results of Volumetric formula assuming 80% recovery, Zfac= .95, T=636 deg R, Pi=5,200 psi.

$$OGIP_{mcf} = (1540.23 * Porosity * (1 - Sw) * Acres * NetPay * Pressure_{initial}) / (Z_{fac} * T * Temperature \text{ Deg R})$$