

HARVARD PETROLEUM CORPORATION

P.O. Box 936 * Roswell, New Mexico 88202 * (505)-623-1581

AUTHORITY FOR EXPENDITURE

PROSPECT: Bluitt West	WELL:
DEPTH: 4600'	OBJECTIVE: San Andres
COUNTY: Roosevelt	STATE: New Mexico
LOCATION: SW/4 Sec. 5-T8S-R37E	

TANGIBLE DRILLING COST TO CASING POINT

310-3140	Cond. Casing	' OF	" @	/FT.		\$0.00
310-3141	Surf. Casing	340 ' OF	8 5/8" "	@	\$7.00 /FT.	\$2,380.00
310-3142	Inter. Casing	' OF	" @	/FT.		\$0.00
310-3143	Liner	' OF	" @	/FT.		\$0.00
310-3153	Casing head					\$357.00
TOTAL TANGIBLE DRILLING COSTS						\$2,737.00

INTANGIBLE DRILLING COST TO CASING POINT

920-1110	Survey & Permits					\$3,500.00
920-1115	Roads, Locations, Damages					\$6,500.00
920-1125	Rig Move					
920-1130	Footage	4600 FEET @	\$12.50 /FT			\$57,500.00
920-1135	Daywork	1.5 DAYS	\$4,200 /DAY			\$6,300.00
920-1140	Fuel & Power					
920-1145	Bits					
920-1150	Water					\$5,000.00
920-1155	Mud & Additives					\$2,500.00
920-1160	Float, Centralizers, etc.					
920-1165	Casing Crews & Rent Equip.					
920-1170	Cement & Services					\$3,500.00
920-1175	Mud Logging	3 DAYS	\$500 /DAY			\$1,500.00
920-1180	Drill Stem Test					
920-1185	Electric Logging					\$6,500.00
920-1190	Trucking					\$2,000.00
920-1195	Supervision					\$3,550.00
920-1198	Overhead					\$1,250.00
920-1199	Misc & Contingencies					\$14,940.00
TOTAL INTANGIBLE DRILLING COSTS						\$114,540.00
TOTAL DRILLING COSTS TO CASING POINT						\$117,277.00

TANGIBLE COMPLETION COSTS

310-3250	Prod. Casing	4,600 ' OF	4 1/2" "	@	\$2.85 /FT.	\$13,110.00
310-3251	Tubing	4,600 ' OF	2 3/8" "	@	\$1.50 /FT.	\$6,900.00
310-3253	Wellhead Assembly					\$550.00
310-3255	Subsurface Equipment					
310-3254	Pumping Unit w/ Prime Mover					
310-3256	Tanks					\$6,600.00
310-3257	Separators					\$5,400.00
310-3258	Flowlines, Valves and Fittings					\$600.00
310-3261	Electrical Equipment					
TOTAL TANGIBLE COMPLETION COSTS						\$33,160.00

INTANGIBLE COMPLETION COSTS

920-2160	Float, Centralizers, etc.					\$1,500.00
920-2165	Casing Crew					\$3,000.00
920-2170	Cement & Cement Service					\$5,500.00
920-2136	Completion Unit	5 DAYS	\$1,100 /DAY			\$1,200.00
920-2150	Water & Chemicals					\$2,400.00
920-2186	Wireline Service					\$27,000.00
920-2171	Stimulation					\$900.00
920-2175	Rental Equipment					\$3,500.00
920-2181	Installation & Labor					\$2,500.00
920-2191	Trucking					\$1,500.00
920-2195	Supervision					\$500.00
920-2198	Overhead					\$10,294.00
920-2199	Misc & Contingencies					\$59,794.00
TOTAL INTANGIBLE COMPLETION COSTS						\$59,794.00
TOTAL COMPLETION COSTS						\$92,954.00

TOTAL DRILLING AND COMPLETION COSTS

\$210,231.00

HARVARD PETROLEUM CORPORATION	WORKING INTEREST OWNER APPROVAL
BY _____	COMPANY _____
TITLE _____	BY _____
DATE _____	DATE _____

This AFE is an estimate only, and the working interest owner, by execution proportionate share of the actual costs incurred, even if such costs e
27-Oct-98

**BEFORE THE
OIL CONSERVATION DIVISION**
Santa Fe, New Mexico

Case No. 12104 Exhibit No. 3
Submitted by: Harvard Petroleum Corporation
Hearing Date: May 13, 1999