

**SANTA FE ENERGY OPERATING PARTNERS, L.P.**

GENERALIZED WELL COST ESTIMATE

NAME: Thistle Unit "33" No.1

LOC: 1780' FWL & 790' FNL Sec.33-23S-33E, Lea County, New Mexico

DESC: Drill and Complete A 9,200' Delaware/Brushy Canyon Oil Well



ACCOUNT	DESCRIPTION OF COSTS		DRY HOLE	PRODUCER
501-000	<b>TANGIBLE WELL COSTS</b>			
-41	CONDUCTOR CSG			
-41	SURFACE CSG	13 3/8" 48.0 ppf H-40 ST&C @ 600'	10,800	10,800
-41	PROTECTION CSG	8 5/8" 32.0 ppf K-55 ST&C @ 5,100'	47,175	47,175
-41	INTERMEDIATE CSG			
-41	PROD CSG	5 1/2" 15.50 & 17.0 K-55 LT&C @ 9,200'		46,000
-41	PROD LINER			
-42	TUBING	2-7/8" 6.5 ppf K-55 8-rd EUE @ 9,200'		23,000
-43	WELLHEAD		2,000	6,000
-44	PMPG UNIT			30,000
-45	PRIME MOVER	Ajax engine		12,000
-50	OTHER DWN HOLE EQUIP			3,500
-50	RODS			20,000
-50	SUBSURFACE PMPS			2,100
-55	CSG EQUIP		1,500	5,000
-55	ELECTRICAL			
-55	MISC. TANGIBLES			1,000
-55	ROD EQUIP			
-55	TUBING EQUIP			2,000
	<b>TOTAL TANGIBLE COSTS</b>		<b>61,475</b>	<b>208,575</b>
541-000	<b>LEASE FACILITY COSTS</b>			
-50	FLOW LINES			6,000
-50	LABOR			10,000
-50	OTHER PROD EQUIP			10,000
-50	TANK FACILITIES			20,000
	<b>TOTAL LEASE FACILITY COSTS</b>		<b>0</b>	<b>46,000</b>
511-000	<b>INTANGIBLE WELL COSTS</b>			
-21	LOCATION		20,000	20,000
-22	FENCING		1,000	1,000
-26	WTR & FUEL FOR RIG		20,000	20,000
-31	CONTRACTOR MOVING EXP			
-32	CONT FOOTAGE OR TURNKEY	\$14/ft X 9200'	128,800	128,800
-32	CONTRACTOR DAY WORK	2 days X \$4700/day	9,400	9,400
-33	DRLG FLUID & ADDITIVES		10,000	10,000
-34	BITS & REAMERS			
-36	CORING & CORE ANALYSES	Rotary Sidewall Cores (25)	15,000	15,000
-37	CEMENT		25,000	50,000
-39	INSPECTION & TSTG OF TANG		3,000	8,000
-41	DIRECTIONAL DRLG SURVEYS			
-42	DRILLING EQUIP RENTAL		6,000	6,000
-43	OPEN HOLE LOGGING	CNL/LDT/ARRAY INDUCTION	18,000	18,000
-44	DRILL STEM TSTG			
-45	MUD LOGGING		6,000	6,000
-51	TRANSPORTATION		3,000	8,000
-52	COMPLETION UNIT	\$1200/day X 10 days		12,000
-53	COMPLETION TOOL RENTAL			4,000
-54	CASED HOLE LOGS & PERFING			12,000
-55	STIMULATION			30,000
-56	RIG SITE SUPERVISION	20+10 X \$400/day	8,000	12,000
-72	ADMINISTRATIVE OVERHEAD		3,000	5,000
-99	FSHG TOOLS & EXPENSES			
-99	TESTING: BHP,GOR,4 PT.POT			4,252
	ABANDONMENT COST		5,252	
	OTHER INTANGIBLES			
0	CONTINGENCY (5%)		14,073	18,973
	<b>TOTAL INTANGIBLES</b>		<b>295,525</b>	<b>398,425</b>
	<b>TOTAL COSTS</b>		<b>357,000</b>	<b>653,000</b>

Drilling Dept: Darrell Roberts Date: 6/30/93  
 Operations Dept: M. R. Bunting Date: 6/30/93  
 SFER Approval By: Paul A. Baker Date: 6/30/93  
 Non Operator Approval By: \_\_\_\_\_ Date: \_\_\_\_\_

NEW MEXICO  
OIL CONSERVATION DIVISION

Santa Fe EXHIBIT 9

CASE NO. 10774