RICHMOND PETROLEUM INC.

Authority For Expenditure (AFE) Cost Estimate

	ell No.		Field			
32-6-9 ocation	1 ounty		Basin State			
	•	n		New Mexico		
	San Jua	Septh .	1 HCW HC2			
Fruitland	2780'	ואוזרומט	NG WELL	I DRY HOLE		
UBULAR GCCOS		Sub.	Total	ONT HOLE		
Surface Casing - 240 Ft. 9 5/8 Inch a 14.00\$/	/Ft. \$3	,360		1 3,360		
Int. Casing - 2520 Ft. 7 Inch a 6.50 \$/		380		16,380		
Prod. Casing - Ft. Inch @ \$/						
Liner 350 Ft. $5\frac{1}{2}$ Inch a 8.00 \$/	/Ft2	.,800	,			
Tubing - Ft. Inch a \$/ 2760 Ft. 2 7/8 Inch a 2.00 \$/	/Ft.					
Tubing - 2760 Ft.2 7/8 Inch a 2.00 \$/	/Ft.	5,520	* 20 000			
WELL HEAD EQUIPMENT:	/Ft·		\$ <u>28,060</u>			
3000# Flanged	12	2,000	i,			
Surface Equipment		3,000	120,000			
OTHER EQUIPMENT:						
Liner Hangers and Production Packers		,000				
Machine Liner		,500	13,500	_		
CONTRACT COSTS:			į			
Footage - 2520 Ft. 11.25 \$/Ft.	1	3,350		28,350		
Daywork - 14 Day 4.000 \$/Day		000		56,000		
Daywork - 4 Day 4.000 \$/Day	10	5,000	100 250			
Daywork Day\$/Day CEMENTING: (Cement and Pump Trucks)			100,350			
Surface ·	1 ,	2,000		2,000		
Intermediate -		4,500	•	4,500		
Production -]	.,,,,,,	1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Liner -			·			
Liner ·						
•			-			
Sq. Job ·			6,500			
FORMATION TREATMENT:			1			
Acidizing -			۲ (
Fracturing Equipment Gal. Oil			-			
Gal. Water			-			
Sand - Lbs.			-			
Tank Rental -			_{			
	1					
SPECIAL SERVICES: (Surveys and Tests)		1 600		1 500		
Perforating •	[1,500	-	1,500		
Mud Logging			-]			
Drill Stem Tests -		77	-			
Cores ·						
MATERIAL C.			1,500	·		
MATERIALS: Drilling Mud and Chomicals			,			
Drilling Gas or Air	1	4,000	-1	14,000		
Water	1	2,000		2,000		
Bits		2,000	_	2,000		
Fuel		0,000		10,000		
Cement Equipment (shoes, collars, etc.)		2,000	_	2,000		
Bridge Plugs and Retainers			_			
Equipment Rental		0,000 *	50,000	10,000		
Miscellaneous (welding, hauling, rental of tongs, etc.)		0,000	15 000	10,000		
ACCESS AND LOCATION: Total Direct C		5,000 4,910	15,000	15,000 177,090		
Plus 15 % Continge		0,240		26,570		
ESTIMATED TOTAL C		5,150	3	\$203,660		
		······································	I ~			
WORKING INTEREST: 100%	prop	ortionate sha	NLI - Each partici re of actual well o	pating owner to pay cost subject to operat		
Others	agro	ement.		·		
REALIZADO SESSIONES	01.544	uc				
RICHMOND PETR						
Prepared By: DED Date: 8/28/89 Recommended: 3	<u> </u>	Date: <u>8/30/8</u> 9	Recommended:	Date:		
Prepared By: DED Date: 8/28/89 Recommended: J. Approved: formes & Codems Date: 8/30/89	Title:_E	UP				
			···- -			
PARIN	ER APPR	OVAL				
Company Name:						
Authorized By:			Date:			

Authority For Expenditure (AFE) Cost Estimates

		rationty to Expenditu	10 (711 12) 0001 110111			
Lease Name Cari	nes 32-6-11		Well No. #1	Field	Basin	
Location	<u> </u>	00 11 T29N BCW	County	State	State	
Formation	0' FSL, 230' FWL, S	ec 11, 132N, H6W	San Juan Est. Total Depth		New Mexico	
Frui	tland Coal		2,800		DAYHOLE	
TUBULAR GOOD	S :		Sub.	ING WELL Total		
Surface Casing	240 Ft.	8-5/8 Inch 8.00 s	/Fi. \$ 1,920		s 1,920	
Int. Casing	Ft.		/Ft.			
Prod. Casing	2800 Ft.		/Ft. 16,800	4	16,800	
	Ft Ft.	· · · · · · · · · · · · · · · · · · ·	/Ft.	4		
Tubing	2750 Ft.		/Ft. 6,875	-		
·	F1.		(F1.	\$ 25,595		
WELLHEAD EQUI	IPMENT: pendent		3,500	3,500		
OTHER EQUIPME	ENT:					
Liner Hangers and F	Production Packers					
Production Fa	cilities (PU,Sep,Deh	y,Tanks,Etc.)	65,000	65,000		
CONTRACT COS	TS:					
Footage	2800 Ft.	12.00 s/F1.	33,600		33,600	
Daywork	Ft	\$/Ft.		4		
Daywork Daywork	Ft	\$/Ft. \$/Ft.	, , , , , , , , , , , , , , , , , , , ,	33,600		
				1.		
	ement and Pump Trucks		5,000		5,000	
Surface Intermediate			5,000	-	3,000	
Production			9,000	7	9,000	
Liner				7		
Liner						
Sq. Job				14,000		
FORMATION TRE	EATMENT:			i		
Fracturing Eqpmnt	30 # XL		70,000		70,000	
Fluid	Gal, Oil			_		
Sand	73000 Gal, Wat 312000 Lbe.	ter			<u> </u>	
Tank Rental	6 Tanks		2,000	72,000	2,000	
	CES: (Surveys and Tests)	1	7.000	_	7,000	
Perforating Mud Logging		The state of the s	7,000 2,000	- '	7,000 2,000	
Electric & Madioacti	ve Legging		2,000		2,000	
Drill Stem Teets				-		
Cores				9,000		
MATERIALS:						
Drilling Mud and Ch	nemicale		8,000		8,000	
Drilling Gas or Air						
Water -		•	10,000	_	10,000	
Bite			2,000	-	2,000	
Fuel Cament Equipment	(ahosa sallara ses		2,000	-	1,000	
Bridge Plugs and R	(ehoes, collars, etc.) letainers		1,000	-	1,000	
	ding, hauting, rental of tonge,	, etc.)	8,000	31,000	8,000	
ACCESS AND LO	CATION:		20.000	20,000	20.000	
HORDS, LOCATION	n, Legal(Title,Land)	Total Direct Cost	30,000	30,000	30,000	
		Plus 15 % Contingency		283,695 42,554	208,320 31,248	
		ESTIMATED TOTAL COS		\$ 326249	\$ 239,568	
WORKING INTE	REST:	ESTIMATED TOTAL COS	\$	3 020245	jo 203,306	
Othere					wner to pay proportionate	
			share of actual cost sub	ject to operating agreeme	nti. Alama Maria di Alianda	
1 44 4 1 1 4 45 L		RICHMOND PETRO	LEUMING APPROVAL			

[27] [1] [1] [1] [2] [2] [2] [2]		RIC	HMOND P	ETROLEUM INC.	APPROVA	<u>L</u>		÷ ,
Prepared By: J.L.	Adams Da	te: <u>3/01/90</u>	Recomm	nended:		Date:		er trak
Approved: James I	Adams Da	te: 3/01/90	Title: E	xecutive Vice Pre	sident S	ignature:	Comes	L. Cidams
	· · · · · · · · · · · · · · · · · · ·				 	·		· · · · · · · · · · · · · · · · · · ·
			PAF	RTNER APPROVA	<u>L</u>			
Company Name:	Minato	me Corpor	cation	·····			1.86796	38
Authorized By:				Date	:			
Title:				Signature:				

Authority For Expenditure (AFE) Cost Estimates

						<u> </u>			-	
Lease Name Mille	er 32-6-11					Well No.	#1		Field	Basin
Location			D011			County		1	State	New Mexico
760' FWL, 1,130' FNL, Sec 11, T32N, R6W					San Juan New Me			INEM WEXICO		
Fruitland Coal						2,800				
TUBULAR GOODS	 S:						***************************************	ING WELL Total		DRYHOLE
Surface Casing	<u>240</u> Ft.	8-5/8	Inch	8.00	s/Ft.	\$	1,920	L CONTRACTOR I UNATE	<u></u>	\$ 1,920
int. Casing	Ft.		Inch @]		
Prod. Casing	2800 Ft.	5-1/2	Inch	6.00	S/Ft.		16,800			16,800
	Ft		Inch @		\$/Ft.			-		
Tubing	2750 Ft.	2-3/8	Inch @ Inch	2.50	_\$/Ft. _\$/Ft.		6,875			}
	Ft		Inch @					s 25,59	5	
WELLHEAD EQUI							3,500	3,50	0	
OTHER EQUIPME	·NT·									
Liner Hangers and P	roduction Packers						,			
Production Fa	cilities (PU,Sep,Deh	y,Tanks,Etc.))				65,000	65,00	00	
CONTRACT COST										
Footage	2800 Ft.	12.00	\$/Ft.				33,600			33,600
Daywork	Ft		\$/Ft. \$/Ft.					-		<u> </u>
Daywork Daywork	Ft Ft.		\$/Ft. \$/Ft.					33,60	00	
•			•					1		
CEMENTING: (Ce Surface	ment and Pump Trucks	ļ					5,000			5,000
Intermediate	•						J,000	1 `		3,000
Production							9,000] ,		9,000
Liner										
Liner								-		
Sq. Job								14,00	00	
								17,00		
FORMATION TRE	ATMENT:					1				
Acidizing Fracturing Eqpmnt	30 # XL					-	70,000	1		70,000
Fluid	Gal. Oil]		
	73000 Gal. Wat	o r								
Sand Tank Rental	312000 Lbs. 6 Tanks					}	2,000	72,00	n	2,000
							<u> </u>	12,00		2,000
	ES: (Surveys and Tests)						7.000			
Perforating Mud Logging				•			7,000 2,000	-		7,000 2,000
Electric & Radioactiv	e Loggina						۷,000	1		2,000
Orill Stem Teets							····]		
Cores								9,00	00	
MATERIALS:										
Drilling Mud and Che	emicale						8,000	_		8,000
Drilling Gas or Air							10.000	-		
Water Bits						}	10,000 2,000	4		10,000
Fuel						-	2,000	,		2,000
1	(ehoee, collare, etc.)			•		<u> </u>	1,000	1		1,000
Bridge Plugs and Re	etainers]		
Miscellaneous (weld	ing, hauling, rental of tonge,	etc.)					8,000	31,00	00	8,000
ACCESS AND LO Roads, Location	CATION: , Legal(Title,Land)						30,000	30,00		30,000
		DI		rect Cost				283,69		208,320
		Plus		Contingend	-			42,55	888000000000	31,248
WORKING INTER	IEST:	ES	IIMATED	TOTAL CO	ST	\$		\$ 32624	9	\$ 239,568
Others	·				_					ner to pay proportionate
L						share of	actual cost subje	ct to operating agr	eement.	
	Name of the second seco		RICHMO	ND PETF	OLF	UM INC	APPROVAL		·	
					=					* *

		4	BI	CHMOND	PETROLE	UM INC. APPRO	DVAL		
Prepared By:	.L. Adams	Date:	3/01/90	Recor	nmended:		Date:	177.	
Approved: Jame	s L. Adams	Date:	3/01/90	Title:	Executive	Vice President	Signature:	Came.	1 d Ciplams
Λi	eritrust N	Α	s Trust	ee of p	ADINED A	DDDOVAL		/	
Company Name	eritrust N ry Frances	Turi	ier,Jr.	Třušt-	ANTINEN A	FFHOVAL	n	4.7418	848
Authorized By: _						Date:			
Title:						Bignature:			

BEFORE EXAMINER

Oil Conservation Division

CONSOL Exhibit No. 6

Case No. 10955-56-57