RICHMOND PETROLEUM INC.

Authority For Expenditure (AFE) Cost Estimate

· · · · · · · · · · · · · · · · · · ·	Well No.		Field	
32-6-9 ocation	County	<u>1</u> r	Basin State	
	•	แลท	New Mex	ico
ormation .	San J Est. Tota 2780'		1 11011 11011	
Fruitland	2/80	PRODUCT	VG WELL	DRY HOLE
UBULAR GOODS		Sub.	Total	
Surface Casing - 240 Ft. 9 5/8 Inch a 14.00\$	5/Ft. \$	3,360		1 3,360
Int. Casing - 2520 Ft. 7 Inch a 6.50 s.		16,380		16,380
Prod. Casing • Ft. Inch \mathfrak{d} \$ t. Liner 350 Ft. \mathfrak{d} Inch \mathfrak{d} 8.00 \$	6/Ft.	2 200	1	
Liner 350 Ft. 5½ Inch a 8.00 \$	-	2,800	•	
Tubing - 2760 Ft.2 7/8 Inch a 2.00 \$	t/ft-	5,520		
Ft Inch a \$			\$ 28,060	
WELL HEAD EQUIPMENT:			- 20,000	
3000# Flanged	ŀ	12,000		
Surface Equipment		108,000	120,000	
THER EQUIPMENT:				
Liner Hangers and Production Packers		6,000		
Machine Liner		7,500	13,500	-
CONTRACT COSTS:		20 250		20 250
Footage - <u>2520</u> Ft. <u>11.25</u> \$/Ft. Daywork - <u>14</u> Day <u>4.000</u> \$/Day		28,350 56,000		28,350 56,000
Daywork - 4 Day 4.000 \$/Day	-	16,000		30,000
Daywork Day\$/Day			100,350	
CEMENTING: (Cement and Pump Trucks)				
Surface -		2,000		2,000
Intermediate •		4,500		4,500
Production •		***************************************		
Liner •				
Liner				
Sq. Job •	-		6,500	
FORMATION TREATMENT:	\- <u>-</u>		0,500	-
Acidizing -	<u> </u>			
Fracturing Equipment •			4	
fluid Gal. Oil		 		
Gal. Water Send - Lbs.			· ·	
Tank Rental •				
SPECIAL SERVICES: (Surveys and Tests)		1 500		
Perforating ·		1,500		1,500
Mud LoggingElectric and Radioactive Logging			·	**************************************
Drill Stem Tests •				
Cores •				
MATERIALS:	_		1,500	_
Prilling Mud and Chamicals				
Orilling Gas or Air		14,000		14,000
Water	_	2,000		2,000
Blts	_	2,000	-	2,000
Fuel	_	10,000	- ,	10,000
Cement Equipment (shoes, collars, etc.)		2,000	-[2,000
Bridge Plugs and Retainers	-	10,000	50 000	10,000
Equipment Rental Miscellaneous (welding, hauling, rental of tongs, etc.)	, -	10,000 * 10,000	50,000	10,000
ACCESS AND LOCATION:	1	15,000	15,000	15,000
Total Direct	1-	334,910		177,090
Plus <u>15</u> % Conting		50,240		26,570
ESTIMATED TOTAL	cost	385,150	\$	\$203,660
WORKING INTEREST:		STIMATED COSTS ON	LY - Each participa	ting owner to pay
Others	l c	proportionate shar agreement.	e of actual well co	st subject to operati
RICHMOND PETR				
Propared By: DED Date: 8/28/89 Recommended:	TLA	Date:8/30/89	Recommended:	Date:
Propared By: DED Date: 8/28/89 Recommended: J Approved: formes L. Codanes Date: 8/30/8	#7Title:	FILE	- , 	
PARTA	NER AP	PROVAL		
Company Name:				
			Datas	
Authorized By:			Date:_	

Authority For Expenditure (AFE) Cost Estimates

Lease Name Carr	nes 32-6-11		Well No.	<u>/</u> #1	1	Field	Basin
Location)' FSL, 230' FWL, Se	ec 11, T32N, R6W	County	San Juan		State	New Mexico
Formation	lland Coal		Est. Tota				
FIUN	nano coai				NG WELL		DRYHOLE
TUBULAR GOODS			43.57.0	Sub.	Total	Oziga elji işil	4 000
Surface Casing Int. Casing	240 Ft		F1. \$	1,920			\$ 1,920
Prod. Casing	2800 Ft.		Ft.	16,800			16,800
	Fl.		Ft.				
	Ft.		Ft.				
Tubing	2750 Ft.		Ft.	6,875	05.50		
	Ft.	Inch @\$	Ft.		\$ 25,59	-	
WELLHEAD EQUI 2000# Inde				3,500	3,50	00	
OTHER EQUIPME							
	cilities (PU,Sep,Deh)	y,Tanks,Etc.)		65,000	65,00	00	
CONTRACT COST		12.00 aug.		22 600			33,600
Footage Daywork	2800 Ft	12.00 s/Fi.		33,600			33,600
Daywork	FL.	\$/F1.	ļ 				
Daywork	Ft.	\$/F1.			33,60	00	
CEMENTING: (Ca	ment and Pump Trucks)				į.		
Surface Intermediate	mon and a sup proon,		-	5,000			5,000
Production			<u> </u>	9,000			9,000
Liner							
Liner							
Sq. Job					14,00	00	
FORMATION TRE	ATMENT:						
Fracturing Eqpmnt	30 # XL			70,000]		70,000
Fluid	Gai. Oil						
	73000 Gal. Wate 312000 Lbs.	97			1		·
	6 Tanks		ļ	2,000	72,00	00	2,000
	ES: (Surveys and Tests)						
Perforating				7,000	,	•	7,000
Mud Lögging	K k King and a		<u> </u>	2,000	-		2,000
Drill Stem Tests	o colling						
Cores					9,00) 0	
MATERIALS:							
Drilling Mud and Che	emicals			8,000	ł		8,000
Drilling Gas or Air]		
Water -		•		10,000	1		10,000
Bite			ļ	2,000	-		2,000
Fuel Cement Equipment	(shoes, collars, etc.)			2,000 1,000	1		2,000
Bridge Pluge and Re			1]		.,,,,,,
Miscellaneous (weld	ling, hauling, rental of tongs,	etc.)		8,000	, 31,00	00	8,000
ACCESS AND LO	CATION:			r			
Roads, Location	, Legal(Title,Land)			30,000	30,00		30,000
		Total Direct Cost			283,69		208,320
		Plus 15 % Contingency	-		42,5	******	31,248
WORKING INTER	PEST.	ESTIMATED TOTAL COST	\$		\$ 32624	y	\$ 239,568
Others	16-91.		ESTIM	ATED COSTS ON	LY – Each participa	iting owi	ner to pay proportionate
L			share	of actual cost subje	ct to operating agr	eement.	

		RIC	HMOND PETROLEUM IN	C. APPRO	OVAL		
Prepared By: J.L.	Adams Date:	3/01/90	Recommended:		Date:		e for a constant of the consta
Approved: James L.	Adams Date:	3/01/90	Title: Executive Vice F	resident	Signature:	Corner 2	adams
				·• • · · · · · · · · · · · · · · · · ·		/	
			PARTNER APPRO	VAL			
Company Name:	Minatome	Corpor	ation			1.867963%	
Authorized By:			D	ate:			
Title:			Signatu	re:			

Authority For Expenditure (AFE) Cost Estimates

Lease Name	.00.0.11					Well No.			Field	Basin	
Location	32-6-11				·	County	#1		State		
760' I Formation	FWL, 1,130' FNL,	Sec 11, T32N	I, R6W			Est. Total	San Juan		 	New M	exico
	and Coal						2,800				
TUBULAR GOO <u>DS:</u>							PRODUC Sub.	ING WELL Total		D)	HOLE
Surface Casing	240 Ft.	8-5/8	inch	8.00	s/Ft.	\$	1,920	, rassessant rotars	<u> </u>	\$	1,920
Int. Casing	Ft.	,	Inch @		S/Ft.						
Prod. Casing	2800 Ft.	5-1/2	Inch	6.00	\$/F1.		16,800				16,800
	F1,		Inch @		\$/F1.	ļ					
Tubing	2750 Ft.	2-3/8	_Inch @ Inch	2.50	_\$/FI. \$/FI.		6,875				
- Labing	F1.	2 0/0	Inch @	2.50	S/Ft.		0,070	\$ 25,59	95		
WELLHEAD EQUIP 2000# Indep			-				3,500	3,50	00		
OTHER EQUIPMEN	IT:							<u> </u>			
Liner Hangers and Pro	duction Packers	t									
Production Fac	ilities (PU,Sep,Deh	ny,Tanks,Etc.	.)				65,000	65,00)0	-	
CONTRACT COSTS								į.			00.000
Foolage	2800_ Ft	12.00	S/Ft.				33,600				33,600
Daywork Daywork	Ft Ft.		_\$/Ft. _\$/Ft.				<u></u>				<u></u>
Daywork	Ft.							33,60	00		
	ent and Pump Trucks	١	-								
Surface	on and rump fucks	1					5,000				5,000
Intermediate							-,,,,,	1			
Production							9,000]			9,000
Liner								-			
Liner								1		<u> </u>	
Sq. Job								14,00	00		
FORMATION TREA	THEFAIT.										
FORMATION TREA Acidizing	IMENI:					1		<u>}</u>			
Fracturing Eqpmet 3	0 # XL						70,000			ļ —	70,000
Fluid	Gal. Oil] .			
	3000 Gal. Wa	ter									
	Tanks						2,000	72,00	20		2,000
							2,000	/2,00	<i>.</i>	 	2,000
	S: (Surveys and Tests)					4 700]			9 000
Perforating Mud Logging				•			7,000 2,000	-			7,000 2,000
Electric & Radiosctive	Logging		<u>/</u>				2,000	1		ļ	2,000
Drill Stem Tests]			
Cares								9,00	00		
MATERIALS:										1	
Driffing Mud and Cher	nicale						8,000]			8,000
Drilling Gas or Air								1 ,			
Water							10,000	_		-	10,000
Bits						-	2,000	4		-	2,000
Fuel Cement Equipment (s	hoes, collars, sta.)						1,000	-			2,000 1,000
Bridge Pluge and Rete	•										.,
Miscellaneous (weldin	g, hauling, rental of tongs	, etc.)					8,000	31,0	00		8,000
ACCESS AND LOC	ATION:							,			
Roads, Location,	Legal(Title,Land)		_				30,000	30,0		ļ	30,000
		51		rect Cost				283,6			208,320
				Contingenc				42,5	**********		31,248
WORKING INTERE	:ST:	ES	IMATED	TOTAL CO	Sľ	2		\$ 32624	9	\$	239,568
Others					_			LY – Each particip			proportionate
L						share of	actual cost subje	et to operating agr	eement	·	
			BICHMO	OND PETE	OI F	UM INC	APPROVAL				
Propored By:	II Adame D	ate: 3/01/90	:	ocommon.		<u> </u>	VAL	Dates			

Prepared By: J.L. Adams Date: 3/01/90		ROVAL Date:
Approved: James L. Adams Date: 3/01/90	Title: Executive Vice President	t Signature: James & Cisias
Ameritrust N.A., as Tru Mary Frances Turner, Jr Company Name:	Stee of <u>Pariner approval</u>	4.74184%
Authorized By:	Date:	
Title:	Signature:	

DEFORE EXAMINER

Oil Conservation Etizialen

Consold Exhibition 6

Case No. 10955-54-57