

RICHARDSON OPERATING COMPANY
AUTHORITY FOR EXPEDITURES

Well Name: Eaton White #2 (PC) & (FC) well
Location: T29N R13W Section 20 NE/4
Spacing: Pictured Cliffs NE/4; Fruitland CL N/2
Proposed Depth: 1100' Fruitland CL; 1200' Pictured Cliffs

Date: 11/16/01
Objective Formation:
Commingle Pictured Cliffs and Fruitland Coal

I.	Drilling Costs (Included Run Casing)	Tangible	Intangible	Total	Fruitland Coal	Pictured Cliffs
	Survey and Permits - - - - -		10,000		5,000	5,000
	Title Opinion - - - - -		11,000		5,500	5,500
	Damages- - - - -		9,000		4,500	4,500
*	Drilling (incl. water & mud) 1200' @ 15.00/ft.-		18,000		8,250	9,750
	BOP Rental- - - - -		750		375	375
	Dirt Work- - - - -		8,000		4,000	4,000
	Pit Lining- - - - -		2,000		1,000	1,000
	Surface Casing 200' @ 7.65/ft.- - - - -	1,530			765	765
	Casing Head- - - - -	2,000			1,000	1,000
	Cement Surface- - - - -		1,500		750	750
	Power Tongs- - - - -		1,000		500	500
	Casing 1200' @ 5.00/ft.- - - - -	6,000			2,750	3,250
	Trucking- - - - -		3,000		1,500	1,500
	Logs- - - - -		5,000		2,500	2,500
	Engineering- - - - -		5,500		2,750	2,750
	Cement Longstring- - - - -		5,000		2,300	2,700
	Total Cost to Run Casing- - - - -	9,530	79,750	89,280	43,440	45,840
	10% Contingency- - - - -			8,928	4,344	4,584
	Grand Total to Run Casing- - - - -			98,208	47,784	50,424
II.	Completion Costs					
	Rig Anchors- - - - -		750		375	375
	Logs- - - - -		2,500		1,250	1,250
	Perf- - - - -		3,000		1,500	1,500
	Wellhead & Fittings- - - - -	3,000			1,500	1,500
	Tubing 1200' @ 2.10/ft.- - - - -	2,520			1,155	1,365
	Stimulation- - - - -		50,000		25,000	25,000
	Tool Rental- - - - -		2,000		1,000	1,000
	Trucking- - - - -		3,000		1,500	1,500
	Battery Installation- - - - -		4,000		2,000	2,000
	Restore Location- - - - -		9,000		4,500	4,500
	Engineering- - - - -		5,000		2,500	2,500
	Treater, Separator - - - - -	6,000			3,000	3,000
	Flowline- - - - -	4,000			2,000	2,000
	Tank & Fittings- - - - -	5,000			2,500	2,500
	Gravel- - - - -	3,000			1,500	1,500
	Workover Rig- - - - -		12,000		6,000	6,000
	Completion Fluids- - - - -		2,000		1,000	1,000
	Pipeline Hookup- - - - -		13,000		6,500	6,500
	Division Order Opinion - - - - -		3,000		1,500	1,500
	Frac Tank Rental- - - - -		2,000		1,000	1,000
	Flowback - - - - -		2,000		1,000	1,000
	Fence Location- - - - -	5,000			2,500	2,500
	Total Completion Costs- - - - -	28,520	113,250	141,770	70,780	70,990
	10% Contingency- - - - -			14,177	7,078	7,099
	Drilling Costs- - - - -			98,208	47,784	50,424
	Grand Total Well Costs			254,155	125,642	128,513

				Costs: WI %
FRUITLAND COAL	DATE:	Approved BY:		
1.5600% Unleased Mineral Interest Owner				\$1,960.02
98.4400% Richardson Operating Company et als				\$123,681.98
			Total FC Costs	\$125,642.00
PICTURED CLIFFS				
2.7300% Unleased Mineral Interest Owner				\$3,508.40
97.2700% Richardson Operating Company et als				\$125,004.60
			Total PC Costs	\$128,513.00

BEFORE THE
OIL CONSERVATION DIVISION
Case No. 12835 Exhibit No. 5
Submitted By:
Richardson Operating Company
Hearing Date: March 21, 2002

Total Costs of Commingled PC/FC Well:	
Unleased Mineral Interest Owner	\$5,468.42
Richardson Operating Company et als	\$248,686.58
	\$254,155.00