

Status of Execution of AFE's By Working Interest Percentage  
As of 4/6/95

SW/4 (PC), W/2 (FC)-Section 12-T29N-R13W  
San Juan County, NM  
Pictured Cliffs / Fruitland Coal (Downhole Commingled)

<u>Richardson AFE: \$193,979</u>	<u>PC</u>	<u>FC</u>
Richardson Production Company	30.208%	20.124%
Rosalind Redfern	3.125%	2.082%
Roderick Allen Markham	3.125%	2.082%
Christmann Mineral Company	6.250%	4.164%
Manon Markham McMullen	<u>3.125%</u>	<u>2.082%</u>
	45.833%	30.534%

<u>Amoco AFE: \$260,760</u>	<u>PC</u>	<u>FC</u>
Amoco Production Company	50.000%	66.690%

<u>Uncommitted</u>	<u>PC</u>	<u>FC</u>
Kerr-McGee Corporation	4.167%	2.776%

BEFORE THE  
OIL CONSERVATION DIVISION

Case No. 11247 Exhibit No. 9

Submitted By:

**Richardson Operating Company**

Hearing Date: April 20, 1995

Well Name: ROPCO Fee 12-3 (A) PC, (B) FC SECTION 12 PC SW/4, FC W/2

Location: T29N R13W

Date: 3/6/95

Proposed Depth: 1600'

Objective Formation: Commingled Pictured Cliffs and  
Fruitland Coal

## I. Drilling Costs (Included Run Casing)

	Tangible	Intangible	Total	Actual
Survey and Permits -----		1,500		
Title Opinion & Land Costs -----		1,500		
Damages -----		1,500		
Drilling (Incl. water and mud) 1600' @ 10.00/ft. ---		16,000		
BOP Rental -----		750		
Dirt Work -----		3,000		
Pit Lining -----		1,500		
Surface Casing 200' @ 6.00/ft. ---	1,200			
Casing Head -----	750			
Cement Surface -----		1,500		
Power Tongs -----		1,000		
Casing 1600' @ 5.00/ft. ---	8,000			
Trucking -----		2,000		
Logs -----		4,000		
Engineering -----		1,500		
Cement Longstring -----		4,000		
Total Cost to Run Casing -----	9,950	39,750	49,700	
7% Contingency -----			3,479	
Grand Total to Run Casing -----			53,179	

## II. Completion Costs

Rig Anchors -----		600		
Logs -----		2,000		
Perf -----		4,000		
Wellhead & Fittings -----	4,000			
Tubing 1600' @ 1.50/ft. ---	2,400			
Stimulation -----		48,000		
Tool Rental -----		2,000		
Trucking -----		3,000		
Battery Installation -----		4,000		
Restore Location -----		1,500		
Engineering -----		5,500		
Treater -----	5,000			
Flowline -----	5,000			
Tank & Fittings -----	4,000			
Gravel -----		1,000		
Workover Rig -----		15,000		
Completion Fluids -----		2,000		
El Paso Hookup -----		13,000		
Division Order -----		1,000		
Frac Tank Rental -----		1,000		
Flowback -----		2,000		
Fence Location -----	2,000			
Total Completion Costs -----	22,400	105,600	128,000	
10% Contingency -----			12,800	
Drilling Costs -----			53,179	
Grand Total Well Costs -----			193,979	

## ROPCO 12-3 (A) PC, SW/4

30.208% RICHARDSON PRODUCTION COMPANY

50.000% AMOCO PRODUCTION COMPANY

6.250% CHRISTMANN MINERAL COMPANY

3.125% RODERICK ALLEN MARKHAM

3.125% MANON MARKHAM MCMULLEN

3.125% ROSALIND REDFERN

4.167% KERR-MCGEE CORPORATION

APPROVED \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED *Rosalind Redfern* *6 March 1995* \_\_\_\_\_

APPROVED \_\_\_\_\_ DATE \_\_\_\_\_

**RICHARDSON OPERATING COMPANY  
AUTHORITY FOR EXPEDITURES**

Well Name: ROPCO Fee 12-3 (A) PC, (B) FC SECTION 12 PC SW/4, FC W/2

Location: T29N R13W

Proposed Depth: 1600'

Date: 3/6/95

Objective Formation: Commingled Pictured Cliffs and  
Fruitland Coal

I. Drilling Costs (Included Run Casing)	Tangible	Intangible	Total	Actual
Survey and Permits -----		1,500		
Title Opinion & Land Costs-----		1,500		
Damages-----		1,500		
Drilling (Incl. water and mud) 1600' @ 10.00/ft.---		16,000		
BOP Rental-----		750		
Dirt Work-----		3,000		
Pit Lining-----		1,500		
Surface Casing 200' @ 6.00/ft.-----	1,200			
Casing Head-----	750			
Cement Surface-----		1,500		
Power Tongs-----		1,000		
Casing 1600' @ 5.00/ft.-----	8,000			
Trucking-----		2,000		
Logs-----		4,000		
Engineering-----		1,500		
Cement Longstring-----		4,000		
Total Cost to Run Casing-----	9,950	39,750	49,700	
7% Contingency-----			3,479	
Grand Total to Run Casing-----			53,179	
II. Completion Costs				
Rlg Anchors-----		600		
Logs-----		2,000		
Perf-----		4,000		
Wellhead & Fittings-----	4,000			
Tubing 1600' @ 1.50/ft.-----	2,400			
Stimulation-----		48,000		
Tool Rental-----		2,000		
Trucking-----		3,000		
Battery Installation-----		4,000		
Restore Location-----		1,500		
Engineering-----		5,500		
Treater-----	5,000			
Flowline-----	5,000			
Tank & Fittings-----	4,000			
Gravel-----		1,000		
Workover Rlg-----		15,000		
Completion Fluids-----		2,000		
El Paso Hookup-----		13,000		
Division Order-----		1,000		
Frac Tank Rental-----		1,000		
Flowback-----		2,000		
Fence Location-----	2,000			
Total Completion Costs-----	22,400	105,600	128,000	
10% Contingency-----			12,800	
Drilling Costs-----			53,179	
Grand Total Well Costs			193,979	

**ROPCO 12-3 (A) PC, SW/4**

30.208% RICHARDSON PRODUCTION COMPANY  
50.000% AMOCO PRODUCTION COMPANY  
6.250% CHRISTMANN MINERAL COMPANY  
3.125% RODERICK ALLEN MARKHAM  
3.125% MANON MARKHAM MCMULLEN  
3.125% ROSALIND REDFERN  
4.167% KERR-MCGEE CORPORATION

APPROVED	DATE
APPROVED	DATE
APPROVED	DATE
APPROVED <i>Roderick Allen Markham</i>	DATE 3/14/95
APPROVED	DATE
APPROVED	DATE
APPROVED	DATE

**ROPCO 12-3 (B) FC, W/2**

20.124% RICHARDSON PRODUCTION COMPANY  
66.690% AMOCO PRODUCTION COMPANY  
4.164% CHRISTMANN MINERAL COMPANY  
2.082% RODERICK ALLEN MARKHAM  
2.082% MANON MARKHAM MCMULLEN  
2.082% ROSALIND REDFERN  
2.776% KERR-MCGEE CORPORATION

RICHARDSON OPERATING COMPANY  
AUTHORITY FOR EXPEDITURES

Well Name: ROPCO Fee 12-3 (A) PC, (B) FC SECTION 12 PC SW/4, FC W/2

Location: T29N R13W

Proposed Depth: 1600'

Date: 3/6/95

Objective Formation: Commingled Pictured Cliffs and  
Fruitland Coal

**I. Drilling Costs (Included Run Casing)**

Survey and Permits -----  
Title Opinion & Land Costs-----  
Damages-----  
Drilling (incl. water and mud) 1600' @ 10.00/ft.---  
BOP Rental-----  
Dirt Work-----  
Pit Unlmg-----  
Surface Casing 200' @ 6.00/ft.-----  
Casing Head-----  
Cement Surface-----  
Power Tongs-----  
Casing 1600' @ 5.00/ft.-----  
Trucking-----  
Logs-----  
Engineering-----  
Cement Longstring-----  
Total Cost to Run Casing-----  
7% Contingency-----  
Grand Total to Run Casing-----

Tangible	Intangible	Total	Actual
	1,500		
	1,500		
	1,500		
	16,000		
	750		
	3,000		
	1,500		
1,200			
750			
	1,500		
	1,000		
8,000			
	2,000		
	4,000		
	1,500		
	4,000		
9,950	39,750	49,700	
		3,479	
		<u>53,179</u>	

**II. Completion Costs**

Rlg Anchors-----  
Logs-----  
Perf-----  
Wellhead & Fittings-----  
Tubing 1600' @ 1.50/ft.-----  
Stimulation-----  
Tool Rental-----  
Trucking-----  
Battery Installation-----  
Restore Location-----  
Engineering-----  
Treater-----  
Flowline-----  
Tank & Fittings-----  
Gravel-----  
Workover Rlg-----  
Completion Fluids-----  
El Paso Hookup-----  
Division Order-----  
Frac Tank Rental-----  
Flowback-----  
Fence Location-----  
Total Completion Costs-----  
10% Contingency-----  
Drilling Costs-----  
Grand Total Well Costs-----

	600		
	2,000		
	4,000		
4,000			
2,400			
	48,000		
	2,000		
	3,000		
	4,000		
	1,500		
	5,500		
5,000			
5,000			
4,000			
	1,000		
	15,000		
	2,000		
	13,000		
	1,000		
	1,000		
	2,000		
2,000			
22,400	105,600	128,000	
		12,800	
		<u>53,179</u>	
		<u><u>193,979</u></u>	

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3.125% ROSALIND REDFERN  
4.167% KERR-MCGEE CORPORATION

APPROVED	DATE
APPROVED	DATE
APPROVED <i>G. E. Christmann</i>	DATE <i>3/15/95</i>
APPROVED	DATE
APPROVED	DATE
APPROVED	DATE
APPROVED	DATE

**ROPCO 12-3 (B) FC, W/2**

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**RICHARDSON OPERATING COMPANY  
AUTHORITY FOR EXPEDITURES**

RECEIVED MAR 24 1995

Well Name: ROPCO Fee 12-3 (A) PC, (B) FC SECTION 12 PC SW/4, FC W/2

Location: T29N R13W

Proposed Depth: 1600'

Date: 3/6/95

Objective Formation: Commingled Pictured Cliffs and  
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Drilling Costs -----			53,179	
Grand Total Well Costs			193,979	

**ROPCO 12-3 (A) PC, SW/4**

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3.125% ROSALIND REDFERN  
4.167% KERR-MCGEE CORPORATION

APPROVED	DATE
APPROVED	DATE
APPROVED	DATE
APPROVED	DATE
APPROVED <i>Manon Mc Mullen</i>	DATE 3-18-95
APPROVED	DATE
APPROVED	DATE

**ROPCO 12-3 (B) FC, W/2**

20.124% RICHARDSON PRODUCTION COMPANY  
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LARGE FORMAT  
EXHIBIT HAS  
BEEN REMOVED  
AND IS LOCATED  
IN THE NEXT FILE