



RICHARDSON PRODUCTION COMPANY

1700 Lincoln, Suite 1700
Denver, Colorado 80203 (303) 830-8000
Fax (303) 830-8009

June 14, 2001

RECEIVED
JUN 18 2001

Ms. Lori Wrotenbery, Director
Oil Conservation Division
New Mexico Energy, Mineral &
Natural Resources Department
1220 South St. Francis Drive
Santa Fe, New Mexico 87504

ms.

Re: Case No. 12644. Order No. R-11578
ROPCO 8-4 Well
SE/4-Section 8-T29N-R14W
San Juan County, New Mexico

Dear Ms. Wrotenbery:

In accordance with the captioned Order, enclosed are copies of estimated costs to drill and complete the captioned well, which have been sent to all non-consenting working interest owners.

Please let us know if you need anything further in this regard.

Sincerely,

RICHARDSON PRODUCTION COMPANY

Cathleen Colby

Cathleen Colby
Land Manager



RICHARDSON PRODUCTION COMPANY

1700 Lincoln, Suite 1700
Denver, Colorado 80203 (303) 830-8000
Fax (303) 830-8009

June 14, 2001

Ms. Julia Clah
P.O. Box 762
Shiprock, New Mexico 87420

Re: Pictured Cliffs Well Proposal
ROPCO #8-4 Well
SE/4-Section 8-T29N-R14W
San Juan County, New Mexico

Dear Ms. Clah:

Enclosed is copy of New Mexico Oil Conservation Division Case No. 12644, Order No. R-11578, pertaining to your interest in the captioned well. Also enclosed for your review, is an AFE itemizing the estimated costs for drilling and completing said well.

In the event you elect to participate as a working interest owner in the drilling and completion attempt, please forward your share of the estimated well costs within 30 days from the date hereof. In the alternative, you may be designated as a non-consenting working interest owner as provided for in the Order.

Should you have any questions, feel free to write or call.

RICHARDSON PRODUCTION COMPANY

Cathleen Colby
Land Manager

**RICHARDSON OPERATING COMPANY
AUTHORITY FOR EXPEDITURES**

Well Name: ROPCO 8-4 SECTION 8-SE/4
Location: T29N R14W, San Juan County, NM
Proposed Depth: 1200'

Date: 01/15/2001
Objective Formation: Pictured Cliffs

I. Drilling Costs (Included Run Casing)

Survey and Permits
Title Opinion
Drilling (incl. water and mud) 1200' @ 15.00/ft.
BOP Rental
Dirt Work
Pit Lining
Surface Casing 200' @ 7.18/ft.
Casing Head
Cement Surface
Power Tongs
Casing 1200' @ 5.50/ft.
Trucking
Logs
Engineering
Cement Longstring
Total Cost to Run Casing
5.9375% Farmington, NM Tax
10% Contingency
Grand Total to Run Casing

II. Completion Costs

Rig Anchors
Logs
Perf.
Wellhead & Fittings
Tubing 1200' @ 2.50/ft.
Stimulation
Tool Rental
Trucking
Battery Installation
Restore Location
Engineering
Treater, Separator
Flowline
Tank & Fittings
Gravel
Workover Rig
Completion Fluids
Division Order Opinion
Pipeline Hookup
Frac Tank Rental
Flowback
Fence Location
Total Completion Costs
5.9375% Farmington, NM Tax
10% Contingency
Drilling Costs
Grand Total Well Costs

Tangible	Intangible	Total	Actual
	3,000		
	1,500		
	18,000		
	750		
	4,000		
	2,800		
1,436			
1,500			
	2,300		
	1,000		
6,600			
	3,000		
	3,500		
	3,000		
	4,000		
9,536	46,850	56,386	
		3,348	
		5,973	
		65,707	
	750		
	2,500		
	2,000		
4,000			
3,000			
	22,000		
	2,300		
	3,000		
	6,000		
	3,500		
	3,250		
5,300			
4,000			
4,500			
3,000			
	5,000		
	1,000		
	1,000		
	13,000		
	1,250		
	1,000		
3,300			
27,100	67,550	94,650	
		5,620	
		10,027	
		65,707	
		176,004	

PICTURED CLIFFS

99.9094% RICHARDSON OPERATING COMPANY DATE _____
0.0906% JULIA CLAH DATE _____

APPROVED _____
APPROVED _____

\$175,845
\$160
\$176,004



RICHARDSON PRODUCTION COMPANY

1700 Lincoln, Suite 1700
Denver, Colorado 80203 (303) 830-8000
Fax (303) 830-8009

June 14, 2001

Mrs. Callie P. Renfro
#2 County Road 6212
Kirtland, New Mexico 87417

Re: Pictured Cliffs Well Proposal
ROPCO #8-4 Well
SE/4-Section 8-T29N-R14W
San Juan County, New Mexico

Dear Mrs. Renfro:

Enclosed is copy of New Mexico Oil Conservation Division Case No. 12644, Order No. R-11578, pertaining to your interest in the captioned well. Also enclosed for your review, is an AFE itemizing the estimated costs for drilling and completing said well.

In the event you elect to participate as a working interest owner in the drilling and completion attempt, please forward your share of the estimated well costs within 30 days from the date hereof. In the alternative, you may be designated as a non-consenting working interest owner as provided for in the Order.

Should you have any questions, feel free to write or call.

RICHARDSON PRODUCTION COMPANY

Cathleen Colby
Land Manager

**RICHARDSON OPERATING COMPANY
AUTHORITY FOR EXPEDITURES**

Well Name: ROPCO 8-4 SECTION 8-SE/4
Location: T29N R14W, San Juan County, NM
Proposed Depth: 1200'

Date: 01/15/2001
Objective Formation: Pictured Cliffs

I. Drilling Costs (Included Run Casing)

Survey and Permits
Title Opinion
Drilling (incl. water and mud) 1200' @ 15.00/ft.
BOP Rental
Dirt Work
Pit Lining
Surface Casing 200' @ 7.18/ft.
Casing Head
Cement Surface
Power Tongs
Casing 1200' @ 5.50/ft.
Trucking
Logs
Engineering
Cement Longstring
Total Cost to Run Casing
5.9375% Farmington, NM Tax
10% Contingency
Grand Total to Run Casing

Tangible	Intangible	Total	Actual
	3,000		
	1,500		
	18,000		
	750		
	4,000		
	2,800		
1,436			
1,500			
	2,300		
	1,000		
6,600			
	3,000		
	3,500		
	3,000		
	4,000		
9,536	46,850	56,386	
		3,348	
		5,973	
		65,707	

II. Completion Costs

Rig Anchors
Logs
Perf
Wellhead & Fittings
Tubing 1200' @ 2.50/ft.
Stimulation
Tool Rental
Trucking
Battery Installation
Restore Location
Engineering
Treater, Separator
Flowline
Tank & Fittings
Gravel
Workover Rig
Completion Fluids
Division Order Opinion
Pipeline Hookup
Frac Tank Rental
Flowback
Fence Location
Total Completion Costs
5.9375% Farmington, NM Tax
10% Contingency
Drilling Costs
Grand Total Well Costs

	750		
	2,500		
	2,000		
4,000			
3,000			
	22,000		
	2,300		
	3,000		
	6,000		
	3,500		
	3,250		
5,300			
4,000			
4,500			
3,000			
	5,000		
	1,000		
	1,000		
	13,000		
	1,250		
	1,000		
3,300			
27,100	67,550	94,650	
		5,620	
		10,027	
		65,707	
		176,004	

PICTURED CLIFFS

99.7656% RICHARDSON OPERATING COMPANY DATE _____
0.2344% LOWELL E. RENFRO DATE _____
CALLIE P. RENFRO DATE _____

APPROVED _____
APPROVED _____
APPROVED _____

\$175,592
\$413
\$176,004



RICHARDSON PRODUCTION COMPANY

1700 Lincoln, Suite 1700
Denver, Colorado 80203 (303) 830-8000
Fax (303) 830-8009

June 14, 2001

Mr. and Mrs. Joe G. Singleton
P.O. Box 1665
Kirtland, New Mexico 87417

Re: Pictured Cliffs Well Proposal
ROPCO #8-4 Well
SE/4-Section 8-T29N-R14W
San Juan County, New Mexico

Dear Mr. and Mrs. Singleton:

Enclosed is copy of New Mexico Oil Conservation Division Case No. 12644, Order No. R-11578, pertaining to your interest in the captioned well. Also enclosed for your review, is an AFE itemizing the estimated costs for drilling and completing said well.

In the event you elect to participate as a working interest owner in the drilling and completion attempt, please forward your share of the estimated well costs within 30 days from the date hereof. In the alternative, you may be designated as a non-consenting working interest owner as provided for in the Order.

Should you have any questions, feel free to write or call.

RICHARDSON PRODUCTION COMPANY

Cathleen Colby
Land Manager

**RICHARDSON OPERATING COMPANY
AUTHORITY FOR EXPEDITURES**

Well Name: ROPCO 8-4 SECTION 8-SE/4
Location: T29N R14W, San Juan County, NM
Proposed Depth: 1200'

Date: 01/15/2001
Objective Formation: Pictured Cliffs

I. Drilling Costs (Included Run Casing)

Survey and Permits
Title Opinion
Drilling (incl. water and mud) 1200' @ 15.00/ft.
BOP Rental
Dirt Work
Pit Lining
Surface Casing 200' @ 7.18/ft.
Casing Head
Cement Surface
Power Tongs
Casing 1200' @ 5.50/ft.
Trucking
Logs
Engineering
Cement Longstring
Total Cost to Run Casing
5.9375% Farmington, NM Tax
10% Contingency
Grand Total to Run Casing

Tangible	Intangible	Total	Actual
	3,000		
	1,500		
	18,000		
	750		
	4,000		
	2,800		
1,436			
1,500			
	2,300		
	1,000		
6,600			
	3,000		
	3,500		
	3,000		
	4,000		
9,536	46,850	56,386	
		3,348	
		5,973	
		65,707	

II. Completion Costs

Rig Anchors
Logs
Perf
Wellhead & Fittings
Tubing 1200' @ 2.50/ft.
Stimulation
Tool Rental
Trucking
Battery Installation
Restore Location
Engineering
Treater, Separator
Flowline
Tank & Fittings
Gravel
Workover Rig
Completion Fluids
Division Order Opinion
Pipeline Hookup
Frac Tank Rental
Flowback
Fence Location
Total Completion Costs
5.9375% Farmington, NM Tax
10% Contingency
Drilling Costs

	750		
	2,500		
	2,000		
4,000			
3,000			
	22,000		
	2,300		
	3,000		
	6,000		
	3,500		
	3,250		
5,300			
4,000			
4,500			
3,000			
	5,000		
	1,000		
	1,000		
	13,000		
	1,250		
	1,000		
3,300			
27,100	67,550	94,650	
		5,620	
		10,027	
		65,707	
		176,004	

Grand Total Well Costs

PICTURED CLIFFS

99.4375% RICHARDSON OPERATING COMPANY DATE _____
0.5625% JOE G. SINGLETON DATE _____
PATRICIA B. SINGLETON DATE _____

APPROVED _____
APPROVED _____
APPROVED _____

\$175,014
\$990
\$176,004



RICHARDSON PRODUCTION COMPANY

1700 Lincoln, Suite 1700
Denver, Colorado 80203 (303) 830-8000
Fax (303) 830-8009

June 14, 2001

Mr. Ronald J. Johnson and Ms. Leona R. Begay
P.O. Box 3517
Shiprock, New Mexico 87420-3517

Re: Pictured Cliffs Well Proposal
ROPCO #8-4 Well
SE/4-Section 8-T29N-R14W
San Juan County, New Mexico

Dear Mr. Johnson and Ms. Begay:

Enclosed is copy of New Mexico Oil Conservation Division Case No. 12644, Order No. R-11578, pertaining to your interest in the captioned well. Also enclosed for your review, is an AFE itemizing the estimated costs for drilling and completing said well.

In the event you elect to participate as a working interest owner in the drilling and completion attempt, please forward your share of the estimated well costs within 30 days from the date hereof. In the alternative, you may be designated as a non-consenting working interest owner as provided for in the Order.

Should you have any questions, feel free to write or call.

RICHARDSON PRODUCTION COMPANY

Cathleen Colby
Land Manager

**RICHARDSON OPERATING COMPANY
AUTHORITY FOR EXPEDITURES**

Well Name: ROPCO 8-4 SECTION 8-SE/4
Location: T29N R14W, San Juan County, NM
Proposed Depth: 1200'

Date: 01/15/2001
Objective Formation: Pictured Cliffs

I. Drilling Costs (Included Run Casing)

Survey and Permits
Title Opinion
Drilling (incl. water and mud) 1200' @ 15.00/ft.
BOP Rental
Dirt Work
Pit Lining
Surface Casing 200' @ 7.18/ft.
Casing Head
Cement Surface
Power Tongs
Casing 1200' @ 5.50/ft.
Trucking
Logs
Engineering
Cement Longstring
Total Cost to Run Casing
5.9375% Farmington, NM Tax
10% Contingency
Grand Total to Run Casing

II. Completion Costs

Rig Anchors
Logs
Perf.
Wellhead & Fittings
Tubing 1200' @ 2.50/ft.
Stimulation
Tool Rental
Trucking
Battery Installation
Restore Location
Engineering
Treater, Separator
Flowline
Tank & Fittings
Gravel
Workover Rig
Completion Fluids
Division Order Opinion
Pipeline Hookup
Frac Tank Rental
Flowback
Fence Location
Total Completion Costs
5.9375% Farmington, NM Tax
10% Contingency
Drilling Costs
Grand Total Well Costs

Tangible	Intangible	Total	Actual
	3,000		
	1,500		
	18,000		
	750		
	4,000		
	2,800		
1,436			
1,500			
	2,300		
	1,000		
6,600			
	3,000		
	3,500		
	3,000		
	4,000		
9,536	46,850	56,386	
		3,348	
		5,973	
		65,707	
	750		
	2,500		
	2,000		
4,000			
3,000			
	22,000		
	2,300		
	3,000		
	6,000		
	3,500		
	3,250		
5,300			
4,000			
4,500			
3,000			
	5,000		
	1,000		
	1,000		
	13,000		
	1,250		
	1,000		
3,300			
27,100	67,550	94,650	
		5,620	
		10,027	
		65,707	
		176,004	

PICTURED CLIFFS

99.9094% RICHARDSON OPERATING COMPANY DATE _____
0.0906% RONALD J. JOHNSON DATE _____
LEONA R. BEGAY DATE _____

APPROVED _____
APPROVED _____
APPROVED _____

\$175,845

\$160

\$176,004



RICHARDSON PRODUCTION COMPANY

1700 Lincoln, Suite 1700
Denver, Colorado 80203 (303) 830-8000
Fax (303) 830-8009

June 14, 2001

Mr. Myron E. Shorty and Ms. Vangie Randall
#1 County Road 6212
Kirtland, New Mexico 87417

Re: Pictured Cliffs Well Proposal
ROPCO #8-4 Well
SE/4-Section 8-T29N-R14W
San Juan County, New Mexico

Dear Mr. Shorty and Ms. Randall:

Enclosed is copy of New Mexico Oil Conservation Division Case No. 12644, Order No. R-11578, pertaining to your interest in the captioned well. Also enclosed for your review, is an AFE itemizing the estimated costs for drilling and completing said well.

In the event you elect to participate as a working interest owner in the drilling and completion attempt, please forward your share of the estimated well costs within 30 days from the date hereof. In the alternative, you may be designated as a non-consenting working interest owner as provided for in the Order.

Should you have any questions, feel free to write or call.

RICHARDSON PRODUCTION COMPANY

Cathleen Colby
Land Manager

**RICHARDSON OPERATING COMPANY
AUTHORITY FOR EXPEDITURES**

Well Name: ROPCO 8-4 SECTION 8-SE/4
Location: T29N R14W, San Juan County, NM
Proposed Depth: 1200'

Date: 01/15/2001
Objective Formation: Pictured Cliffs

I. Drilling Costs (Included Run Casing)

Survey and Permits
Title Opinion
Drilling (incl. water and mud) 1200' @ 15.00/ft.
BOP Rental
Dirt Work
Pit Lining
Surface Casing 200' @ 7.18/ft.
Casing Head
Cement Surface
Power Tongs
Casing 1200' @ 5.50/ft.
Trucking
Logs
Engineering
Cement Longstring
Total Cost to Run Casing
5.9375% Farmington, NM Tax
10% Contingency
Grand Total to Run Casing

II. Completion Costs

Rig Anchors
Logs
Perf.
Wellhead & Fittings
Tubing 1200' @ 2.50/ft.
Stimulation
Tool Rental
Trucking
Battery Installation
Restore Location
Engineering
Treater, Separator
Flowline
Tank & Fittings
Gravel
Workover Rig
Completion Fluids
Division Order Opinion
Pipeline Hookup
Frac Tank Rental
Flowback
Fence Location
Total Completion Costs
5.9375% Farmington, NM Tax
10% Contingency
Drilling Costs
Grand Total Well Costs

Tangible	Intangible	Total	Actual
	3,000		
	1,500		
	18,000		
	750		
	4,000		
	2,800		
1,436			
1,500			
	2,300		
	1,000		
6,600			
	3,000		
	3,500		
	3,000		
	4,000		
9,536	46,850	56,386	
		3,348	
		5,973	
		65,707	
	750		
	2,500		
	2,000		
4,000			
3,000			
	22,000		
	2,300		
	3,000		
	6,000		
	3,500		
	3,250		
5,300			
4,000			
4,500			
3,000			
	5,000		
	1,000		
	1,000		
	13,000		
	1,250		
	1,000		
3,300			
27,100	67,550	94,650	
		5,620	
		10,027	
		65,707	
		176,004	

PICTURED CLIFFS

99.7578% RICHARDSON OPERATING COMPANY DATE _____
0.2422% MYRON E. SHORTY DATE _____
VANGIE RANDALL DATE _____

APPROVED _____
APPROVED _____
APPROVED _____

\$175,578
\$426
\$176,004



RICHARDSON PRODUCTION COMPANY

1700 Lincoln, Suite 1700
Denver, Colorado 80203 (303) 830-8000
Fax (303) 830-8009

June 14, 2001

Mr. and Mrs. William Crosby, Jr.
P.O. Box 686
Waterflow, New Mexico 87421

Re: Pictured Cliffs Well Proposal
ROPCO #8-4 Well
SE/4-Section 8-T29N-R14W
San Juan County, New Mexico

Dear Mr. and Mrs. Crosby:

Enclosed is copy of New Mexico Oil Conservation Division Case No. 12644, Order No. R-11578, pertaining to your interest in the captioned well. Also enclosed for your review, is an AFE itemizing the estimated costs for drilling and completing said well.

In the event you elect to participate as a working interest owner in the drilling and completion attempt, please forward your share of the estimated well costs within 30 days from the date hereof. In the alternative, you may be designated as a non-consenting working interest owner as provided for in the Order.

Should you have any questions, feel free to write or call.

RICHARDSON PRODUCTION COMPANY

Cathleen Colby
Land Manager

**RICHARDSON OPERATING COMPANY
AUTHORITY FOR EXPEDITURES**

Well Name: ROPCO 8-4 SECTION 8-SE/4
Location: T29N R14W, San Juan County, NM
Proposed Depth: 1200'

Date: 01/15/2001
Objective Formation: Pictured Cliffs

I. Drilling Costs (Included Run Casing)

Survey and Permits
Title Opinion
Drilling (incl. water and mud) 1200' @ 15.00/ft.
BOP Rental
Dirt Work
Pit Lining
Surface Casing 200' @ 7.18/ft.
Casing Head
Cement Surface
Power Tongs
Casing 1200' @ 5.50/ft.
Trucking
Logs
Engineering
Cement Longstring
Total Cost to Run Casing
5.9375% Farmington, NM Tax
10% Contingency
Grand Total to Run Casing

Tangible	Intangible	Total	Actual
	3,000		
	1,500		
	18,000		
	750		
	4,000		
	2,800		
1,436			
1,500			
	2,300		
	1,000		
6,600			
	3,000		
	3,500		
	3,000		
	4,000		
9,536	46,850	56,386	
		3,348	
		5,973	
		65,707	

II. Completion Costs

Rig Anchors
Logs
Perf.
Wellhead & Fittings
Tubing 1200' @ 2.50/ft.
Stimulation
Tool Rental
Trucking
Battery Installation
Restore Location
Engineering
Treater, Separator
Flowline
Tank & Fittings
Gravel
Workover Rig
Completion Fluids
Division Order Opinion
Pipeline Hookup
Frac Tank Rental
Flowback
Fence Location
Total Completion Costs
5.9375% Farmington, NM Tax
10% Contingency
Drilling Costs
Grand Total Well Costs

	750		
	2,500		
	2,000		
4,000			
3,000			
	22,000		
	2,300		
	3,000		
	6,000		
	3,500		
	3,250		
5,300			
4,000			
4,500			
3,000			
	5,000		
	1,000		
	1,000		
	13,000		
	1,250		
	1,000		
3,300			
27,100	67,550	94,650	
		5,620	
		10,027	
		65,707	
		176,004	

PICTURED CLIFFS

99.7653% RICHARDSON OPERATING COMPANY DATE _____
0.2347% WILLIAM CROSBY, JR. DATE _____
ROSINDA CROSBY DATE _____

APPROVED _____
APPROVED _____
APPROVED _____

\$175,591
\$413
\$176,004