

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

March 6, 1995

Transmitted via Fax (806) 747-4544

Christmann Mineral Company 1500 Broadway, Suite 800 Lubbock, TX 79401

Re: West Gallegos Prospect

ROPCO Fee 12-4 PC Well NW/4-Section 12-T29N-R13W San Juan County, New Mexico

Dear Mr. Christmann:

Richardson Operating Company proposes the drilling of a well to a depth sufficient to adequately test the Pictured Cliffs formation, anticipated total depth being 1,600 feet. The NW/4 of Section 12, Township 29 North, Range 13 West, NMPM will be dedicated as the proration unit for the well.

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Upon receipt of your executed AFE, or by prior written request, we will forward our Joint Operating Agreement for your review and execution.

Christmann Mineral Company March 6, 1995 Page 2

- 1. Sell all of your leasehold interest for \$300.00 per net acre, with no additional overriding royalty reservations.
- 2. Sell all of your leasehold interest for \$150.00 per net acre, reserving a proportionate overriding royalty interest equal to the difference between existing burdens and 18%.
- 3. Enter into a farmout agreement covering all of your interest, giving Richardson 180 days in which to drill a well, reserving a proportionate nonconvertible overriding royalty interest equal to the difference between existing burdens and 20%.

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Should you have any questions, please do not hesitate to call.

RICHARDSON OPERATING COMPANY

Cathleen Colly
Cathleen Colby
Land Manager



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March 6, 1995

Transmitted via Fax (806) 747-4544

Christmann Mineral Company 1500 Broadway, Suite 800 Lubbock, TX 79401

Re:

West Gallegos Prospect

ROPCO Fee 12-3 (A) PC, (B) FC Well

SW/4-Section 12-T29N-R13W San Juan County, New Mexico

Dear Mr. Christmann:

Richardson Operating Company proposes the drilling of a well to a depth sufficient to adequately test the Pictured Cliffs and Fruitland Coal formations, anticipated total depth being 1,600 feet. The SW/4 of Section 12, Township 29 North, Range 13 West, NMPM will be dedicated as the proration unit for the Pictured Cliffs formation of the well. The W/2 of said Section 12 will be dedicated as the proration unit for the Fruitland Coal formation.

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Cathleen Colly Cathleen Colby Land Manager



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

March 6, 1995

Transmitted via Fax (806) 763-8017

Mr. Rod Markham Mrs. Manon Markham McMullen 1500 Broadway, Suite 1212 Lubbock, TX 79401

Re: West Gallegos Prospect

ROPCO Fee 12-4 PC Well NW/4-Section 12-T29N-R13W San Juan County, New Mexico

Dear Mr. Markham and Mrs. McMullen:

Richardson Operating Company proposes the drilling of a well to a depth sufficient to adequately test the Pictured Cliffs formation, anticipated total depth being 1,600 feet. The NW/4 of Section 12, Township 29 North, Range 13 West, NMPM will be dedicated as the proration unit for the well.

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Mr. Markham and Mrs. McMullen March 6, 1995 Page 2

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Cothleen Colly



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March 6, 1995

Transmitted via Fax (405) 270-2248

Mr. John J. O'Brien, Jr. Kerr-McGee Corporation P.O. Box 25861 Oklahoma City, OK 73125

Re:

West Gallegos Prospect ROPCO Fee 12-4 PC Well NW/4-Section 12-T29N-R13W San Juan County, New Mexico

#### Gentlemen:

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Mr. John J. O'Brien, Jr. Kerr-McGee Corporation P.O. Box 25861 Oklahoma City, OK 73125

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SW/4-Section 12-T29N-R13W San Juan County, New Mexico

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Kerr-McGee Corporation March 6, 1995 Page 2

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

March 6, 1995

Transmitted via Fax (915) 682-5639

Mrs. Rosalind Redfern P.O. Box 2127 Midland, TX 79702

Re: West Gallegos Prospect

ROPCO Fee 12-4 PC Well NW/4-Section 12-T29N-R13W San Juan County, New Mexico

Dear Mrs. Redfern:

Richardson Operating Company proposes the drilling of a well to a depth sufficient to adequately test the Pictured Cliffs formation, anticipated total depth being 1,600 feet. The NW/4 of Section 12, Township 29 North, Range 13 West, NMPM will be dedicated as the proration unit for the well.

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Mrs. Rosalind Redfern March 6, 1995 Page 2

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March 6, 1995

Transmitted via Fax (915) 682-5639

Mrs. Rosalind Redfern P.O. Box 2127 Midland, TX 79702

Re: West Gallegos Prospect

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SW/4-Section 12-T29N-R13W San Juan County, New Mexico

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Cathleen Colby Land Manager

Cathleen Colly



1700 Uncoin, Suite 1700 Denver, Colorado 80203 (303) 830-8000 FAX (303) 830-8009

March 6, 1995

Transmitted via Fax 830-4275

Ms. Julie Talbot Jenkins Amoco Production Company P.O. Box 800 Denver, CO 80201

Re: West Gallegos Prospect

ROPCO Fee 12-3 (A) PC, (B) FC Well

SW/4-Section 12-T29N-R13W San Juan County, New Mexico

Dear Ms. Jenkins:

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Amoco Production Company March 6, 1995 Page 2

- 1. Sell all of your leasehold interest for \$300.00 per net acre, with no additional overriding royalty reservations.
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Cathleen Colly

Cathleen Colby Land Manager

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

March 6, 1995

4777

Transmitted via Fax 830-4275

Ms. Julie Talbot Jenkins Amoco Production Company P.O. Box 800 Denver, CO 80201

Re:

West Gallegos Prospect ROPCO Fee 12-4 PC Well NW/4-Section 12-T29N-R13W San Juan County, New Mexico

Dear Ms. Jenkins:

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#### 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

Date:

3/6/95

Proposed Depth: 1600'

Objective Formation: Commingled Pictured Cliffs and

Frullland Coal

I.	Drilling Costs (Included Run Casing)	Tangible	Infangible	Total	Actual
	Survey and Permits		1,500		
	Title Opinion & Land Costs		1,500	ſ	
	Damages		1,500		
	Drilling (Incl. water and mud) 1600' @ 10.00/fl		16,000		
	BOP Rental		750	1	
	Dirt Work		3,000		
	Plt Uning		3		
		1,200	1,500	1	
	Surface Casing 200' @ 6.00/ft,				
	Casing Head	750	1 500		
	Cement Surface		1,500		
	Power Tongs	2.000	1,000		
	Casing 1600' @ 5.00/ft	8,000		1	
	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 & Flttlngs	4,000		İ	
	Tubing 1600' @ 1.50/ft	2,400		i	
	Stlmulation		48,000		
	Tool Rental		2,000		
	Trucking		3.000		
	Battery Installation		4,000		
	Restore Location		1,500	i	
	Engineering		5,500		
	Treator	5.000			
	Flowline	5,000			
	Tank & Fittings	4,000			
	Gravel		1,000		
	Workover Rig		15.000	1	
	Completion Fluids		2,000		
	El Paso Hookup		13,000		
	Division Order		1,000	İ	
	Frac Tank Rental		1,000		
	Flowback		2,000		
	Fence Location	2,000	2,000		
	Total Completion Costs	22,400	105,600	128,000	
	10% Confingency	22,400	100,0001	12,800	
	Drilling Costs			53,179	
	Grand Total Well Costs		-	193,979	
	Grand Total Well Costs			173,777	
	POPOO 10 2 (A) PO 201//				
20.0000	ROPCO 12-3 (A) PC, SW/4	ADDDOLLED			_
	RICHARDSON PRODUCTION COMPANY	APPROVED			
	AMOCO PRODUCTION COMPANY	APPROVED			
	CHRISTMANN MINERAL COMPANY	APPROVED		DAII	
	RODERICK ALLEN MARKHAM	4 DDD 01 /FD			
	MANON MARKHAM MCMULLEN				
	ROSALIND REDFERN	APPROVED			
4.10/76	KERR-MCGEE CORPORATION	APPROVED		DATI	

#### 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-MCGEF CORPORATION

# RICHARDSON OPERATING COMPANY **AUTHORITY FOR EXPEDITURES**

Well Name: ROPCO Fee 12-4 PC SECTION 12 NW/4

Location: T29N R13W

Dale: 3/6/95

Proposed Depth: 1600'

Objective Formation: Pictured Cilis

1.	Drilling Costs (Included Run Casing)	Tangible	inlangible	Tolal	Aclual
	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	İ	
•	Dirt Work		3,000	Į	
	Plt Uning		1,500	İ	
	Surface Casing 200' @ 6.00/ft	1,200			
	Casing Head	750			
	Cement Surface		1,500	}	
	Power Tongs		1,000		
	Casing 1600' @ 4.00/ft	6,400	1 1		
	Trucking	0, .00	2.000	-	
	Logs		4,000		
	Engineering		1,500		
	Cement Longstring		4,000		
	Total Cost to Run Casing	8,350		48,100	
	7% Confingency	0,000	07,700	3,367	
	Grand Total to Run Casing			51,467	
11.	Completion Costs			01,407	
	Rig Anchors		600	1	
	Logs		2,000	1	
	Perf		1,500	1	
	Wellhead & Flittings	4,000	1,000		
	Tubing 1600' @ 1.50/fl,	2,400			
	Stimulation	2,400	24.000	1	
	Tool Rental		2,000	1	
	Trucking		3.000	Į.	
	Battery Installation		4,000	1	
	Restore Location		1,500		
	Engineering		3,000		
	Treator	5,000	0,000		
	Flowline	5,000		1	
	Tank & Fittings	4,000		İ	
	Gravel	4,000	1,000	i	
	Workover Rig		7,500		
	Completion Fluids		2.000		
	El Paso Hookup		13.000	İ	
	Division Order		1,000		
	Frac Tank Rental		1,000	ŀ	
	Flowback		2,000	I	
	Fence Location	2,000		i	
	Total Completion Costs	22,400	69,100	91,500	
	10% Contingency	22.0, 100	0,,,,,,,,,,,	9,150	
	Drilling Costs			51,467	
	Grand Total Well Costs			152,117	
			<b>Jenney</b>		
	POPCO 12 A PC NW/A				
ነበ በልነው	ROPCO 12-4 PC, NW/4  RICHARDSON PRODUCTION COMPANY	APPROVED		DATI	r.
	AMOCO PRODUCTION COMPANY	APPROVED			E
	CHRISTMANN MINERAL COMPANY	APPROVED		DATI	-
	RODERICK ALLEN MARKHAM	APPROVED			
	MANON MARKHAM MCMULLEN	APPROVED		DATE	-
	ROSALIND REDFERN	APPROVED		DAT	
	KERR-MCGEE CORPORATION	APPROVED		DAT	
1.00470	NEW MODEL COM OWNION	ALLICOVED			

# 03/07/63 Lates Localed Confidence Chika

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ACTY#	H	ODE	CONNECTION TEL	CONNECTION ID	START	TIME	USAGE T.	PAGES	RESULT
*1681	тx	G3	15058278177		03/06	13.48	00'40	1	OK
*1682	f .	ECM	Į.		03/06		03'40	8	OK
<b>*1683</b>	l .	ECM		Amoco	03/06		02'36	6	OK OK
*1684	i e	ECM		Redfern	03/06		02'31	5	OK.
*1685	i .	ECM	l .	Kerr- McGee	03/06		02'31	5	OK.
*1686		Lom	8067638017	19811	03/06		00'00	0	NG
<b>#1000</b>	IA		0007030017		03/00	14.00	00 00	"	0 STOP
*1687	тх	ECM	18067638017	Markham	03/06	14.34	02'45	6	OK
*1688		13.011	8067474542	Trickle - trickle	03/06		00'00	0	NG
+2000					00,00	14.01	00 00	"	0 STOP
*1689	TX		18067474542		03/06	14 - 38	00'00	0	NG
					00,00	11.00	00 00		0 STOP
*1690	тх	G3	18067474544	christmann	03/06	14:42	03'45	6	OK
	AUTO F		i e		03/06		08'53	6	OK
*1692	l	ECM	l .	Redfern	03/06		00'52	2	OK OK
*1693	l	ECM	l .	Amoco	03/06		02'35	6	OK
*1694	l	ECM	l .	RANDY PHARO		15:26	00'48	2	OK
*1695		G3	12143920456	I I I I I I I I I I I I I I I I I I I	1	15:34	00'39	1	OK
	AUTO F		1		1	15:38	02'31	5	OK
	AUTO F		303 660 9057			15:42	01'21	3	OK
	AUTO F		E .	į	1	15:59	04'37	12	OK
	AUTO F		303 660 9057		03/06		06'47	7	OK OK
*1700	1	ECM	•	RANDY PHARO	į	16:49	00'26	1	OK
*1701	AUTO F		i		03/06		02'39	5	OK
*1702	AUTO F		307 783 2982		03/06		03'13	4	ок
*1703	TX	ECM	1		03/06		02'42	5	ок
*1705	TX	ECM	2949878		03/06		02'46	5	ок
*1704	TX	G3	6900861		03/06		03'33	5	ок
1706	TX	ECM	5730813		03/06		09'55	12	ок
1707	AUTO F	ECM ECM	303 573 0813		03/06	18:04	01'18	4	ок
1708	TX	G3	19155413405		03/06	18:21	01'35	3	ок
1709	AUTO F	RX G3	3129230097		03/06	19:19	02'34	4	ок
	AUTO F				03/07	01:57	00'30	1	0 <b>K</b>
	AUTO F		406 272 1664		03/07	08:46	01'14	3	OK
	AUTO F				03/07	09:10	01'43	2	ок
	AUTO F		210 824 1488		03/07	09:14	00'53	2	ок
	AUTO F		8012981112		03/07	09:29	00'23	1	ок
	AUTO F				03/07		07'58	9	ок
	AUTO F				03/07		01'34	3	OK
	AUTO F				03/07		01'00	2	OK
	AUTO F				03/07		00'38	2	OK
1719		ECM	I .	LEON TOWELL	03/07		00'37	1	OK
1720	TX	G3	17018422850		03/07	11:09	01'21	2	OK

MAR 07 '95 03:47PM AMOCO 12TH FLOOR 3038304777

Facsimile Transmission

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CATHLEEN COLBY

RICHARDS UN EP. CO.

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FAX Number

9 30-8 009

JULIE JENICIUS AMOW DENVERL MAIIC

loice Telephone Number

Notes:



March 7, 1995

Southern Rockies

VIA FACSIMILE 830-8009

Cathleen Colby Richardson Operating Company 1700 Lincoln, Suite 1700 Denver, Colorado 80203

Sa

Re:

Pictured Cliffs/Fruitland Well Proposals, W/2 Section 12, T29N,R13W,

San Juan County, New Mexico -- Proposed Trade

Dear Cathy:

In further connection with the discussions which you and I have had and that you have had with Greg Grotke regarding Amoco and Richardson entering into some type of exchange of interests involving the above properties, please be advised that Amoco has no interest in any type of sale or exchange of its interests at the present time. If Amoco and Richardson have any discussions in the future regarding any such possible sale or exchange, any offer or acceptance by Amoco will only be effective if set forth in writing in a final definitive contract signed by an attorney-in fact with Amoco who has authority to bind the company (which neither Greg nor I have).

With respect to the parties' respective AFEs, Amoco will also advise Richardson in writing in the near future with regard to Amoco's position.

Sincerely,

CC:

Greg Grotke