

ORGANIC YIELD ANALYSIS

of ditch samples, Amoco Production Co.  
Cathedral River Unit #1, Sec. 29-T51S-R83W(SM),  
Bristol Bay Basin, Alaska

Relative abundance of organic debris measured in millilitres per  
10 gram of sample

Chevron U.S.A. Inc.  
Western Region Exploration Laboratory  
Richmond, California

February 14, 1980

C. A. DATA REPORT NO. 2

**Chevron U.S.A. Inc.**  
**Western Region, Exploration Laboratory**  
 Platform 103, Richmond, California  
**PALY - MOA Preparation**

R18M

Well Name <u>Amoco "Cathedral River"</u>			Comp. Date <u>2-14-80</u>			Project No. <u>WAE 7569</u>		
S. T. R. <u>29-51s-83w</u>			Requested By <u>PRW</u>			Processed By <u>R. J. Nelson</u>		
Acc. No. <u>P203134</u>			Sent To <u>"</u>			Sample Ct. <u>3</u> PALY, <u>12</u> MOA		

  

Bkr No.	Tube No.	Depth or Loc. No.	Type	Lith	Sample Processing										Sieve Size	Remarks	Wt. grms.	Org. Yield 10 grms
					HCl	HF	HCl	HNO <sub>3</sub>	NaOH	Bleach								
	1	50-250	M	Sh	W	M	✓									20	.1	
	2	250-450		"	W	M	✓									"	Trace	
	3	450-650		"	W	M	✓									25	"	
	4	650-850		"	W	M	✓									20	"	
	5	850-1050		"	W	M	✓									25	"	
	6	1050-1250		"	W	M	✓	✓	✓					L	Paly	20	.2	
	7	1250-1450		"	W	M	✓	✓	✓					L	Paly	"	.1	
	8	1450-1650		"	W	M	✓								Paly	"	.25	
	9	1650-1850		"	W	M	✓									25	Trace	
	10	1850-2050		"	W	M	✓									"	Trace	
	11	2050-2250		"	W	M	✓									"	"	
	12	2250-2450		Sh	W	M	✓									30	"	

  

Type: A = Auger, O = Outcrop, D = Ditch, M = Mud-L., C = Core, W = Washed Acid Descriptions: V = Vigorous M = Moderate W = Weak N = None Oxidation: H = Heavy M = Moderate L = Light	Slide, PALY <u>μ</u> Unsieved PALY <u>μ</u> MOA <u>μ</u>
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**Western Region, Exploration Laboratory**  
Platform 103, Richmond, California

R 18 M

Well Name			Comp. Date			Project No.		
S. T. R.			Requested By			Processed By		
Acc. No.			Sent To			Sample Ct.		
Amoco "Cathedral River" #1						WAE 7369		
29-516-83W			PRW			P. J. Nelson		
P 203134						5 PALY, 12 MOA		

  

Bkr No.	Tube No.	Depth or Loc. No.	Type	Lith	Sample Processing										Org. Yield 10 grms	
					HCl	HF	HCl	HNO <sub>3</sub>	NaOH	Bleach	Sieve Size	Remarks	Wt. grms.			
	13	2450-2650'	M	Shd	W	M	✓								30	Trace
	14	2650-2850'	"	"	W	M	✓							Much Muscovite	"	"
	15	2850-3050'	"	"	W	M	✓							" "	"	"
	16	3050-3250'	"	"	W	M	✓							" "	"	"
	17	3250-3450'	"	"	W	M	✓							Much Muscovite	"	"
	18	3450-3630'	"	"	W	M	✓							"	25	"
	19	3640-3840'	"	St	W	M	✓							" "	"	"
	20	3840-4040'	"	"	W	M	✓	✓	✓				L		20	.25
	21	4050-4240'	"	"	W	M	✓	✓	✓				L		20	.2
	22	4250-4440'	"	"	W	M	✓	✓	✓				L		"	.9
	23	4450-4640'	"	"	W	M	✓	✓	✓				L		"	.2
	24	4650-4840'	"	"	W	M	✓		✓				M		"	.2

Types: A = Auger, O = Outcrop, D = Ditch, M = Mud-L., C = Core, W = Washed  
Acid Descriptions: V = Vigorous M = Moderate W = Weak N = None  
Oxidation: H = Heavy M = Moderate L = Light

Slide PALY \_\_\_\_\_ H \_\_\_\_\_  
Unsieved PALY \_\_\_\_\_  
MOA \_\_\_\_\_ u \_\_\_\_\_

**Chevron U.S.A. Inc.**  
**Western Region, Exploration Laboratory**  
Platform 103, Richmond, California  
**PALY - MOA Preparation**

Well Name <u>Amoco Cathedral River #1</u>		Comp. Date <u>3-7-80</u>		Project No. <u>WAE 7569</u>	
S. T. R. <u>29-515-834</u>		Requested By <u>PKW</u>		Processed By <u>J. J. Nelson</u>	
Acc. No. <u>P203134</u>		Sent To _____		Sample Ct. <u>10</u> PALY, <u>12</u> MOA	

  

Bkr No.	Tube No.	Depth or Loc. No.	Type	Lith	Sample Processing										Sieve Size	Remarks	Wt. grms.	Org. Yield 10 grms
					HCl	HF	HCl	HNO <sub>3</sub>	NaOH	Bleach								
	25	4850-5040'	M	sh ST	✓	M	✓								MoA Only	20	.2	
	26	5050-5240'		"	✓	M	✓				✓			L	"	1.1		
	27	5250-5440'		"	✓	M	✓				✓			L	"	.3		
	28	5450-5640'		"	✓	M	✓				✓			L	"	.35		
	29	5650-5840'		"	✓	M	✓				✓			M	"	.5		
	30	5850-6040'		"	✓	M	✓				✓			M	"	.45		
	31	6050-6240'		"	✓	M	✓								17	.1		
	32	6250-6440'		"	✓	M	✓	✓	✓					L	20	.7		
	33	6450-6640'		"	✓	M	✓	✓	✓	✓				M	17	.45		
	34	6650-6840'		"	✓	M	✓				✓			M	11	.3		
	35	6850-7040'		"	✓	M	✓							MoA Only	15	.2		
	36	7050-7240'		"	✓	M	✓				✓			M	20	.2		

  

Type: A = Auger, O = Outcrop, D = Ditch, M = Mud-L., C = Core, W = Washed

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Oxidation: H = Heavy M = Moderate L = Light

Slide, PALY \_\_\_\_\_  $\mu$

Unsieved PALY \_\_\_\_\_

MOA \_\_\_\_\_  $\mu$

**Chevron U.S.A. Inc.**  
**Western Region, Exploration Laboratory**  
Platform 103, Richmond, California  
**PALY - MOA Preparation**

R23B

Well Name <u>Amoco Cathedral River #1</u>			Comp. Date <u>5-12-80</u>			Project No. <u>WAE 7569</u>		
S. T. R. <u>29-515-83W</u>			Requested By <u>PRW</u>			Processed By <u>RJ Nelson</u>		
Acc. No. <u>9203134</u>			Sent To _____			Sample Ct. <u>12</u> PALY, <u>12</u> MOA		

  

Bkr No.	Tube No.	Depth or Loc. No.	Type	Lith	Sample Processing										Sieve Size	Remarks	Wt. grms.	Org. Yield 10 grms
					HCl	HF	HCl	HNO <sub>3</sub>	NaOH	Bleach								
	37	7250-7440	M	Sh st	W	M	✓			✓					L	20	.25	
	38	7450-7640		"	M	M	✓	✓	✓					Much Circ. Material	L	20	1.2	
	39	7650-7840		"	M	M	✓	✓	✓					Some Circ. Material	L	"	1.1	
	40	7850-8040		"	M	M	✓	✓	✓						L	"	.9	
	41	8050-8240		"	M	M	✓	✓	✓						L	"	.7	
	42	8250-8440		"	M	M	✓	✓	✓						L	"	.35	
	43	8450-8640		"	M	M	✓	✓	✓						L	25	.1	
	44	8650-8840		"	M	M	✓			✓					M	20	.15	
	45	8850-9040		"	M	M	✓	✓	✓	✓					M	17	.6	
	46	9050-9240		"	M	M	✓	✓	✓						M	18	.45	
	47	9250-9440		"	M	M	✓	✓	✓						M	20	.9	
	48	9450-9640		"	M	M	✓			✓					M	"	.1	

  

Type: A = Auger, O = Outcrop, D = Ditch, M = Mud-L., C = Core, W = Washed Acid Descriptions: V = Vigorous M = Moderate W = Weak N = None Oxidation: H = Heavy M = Moderate L = Light	Slide, PALY _____ $\mu$ _____ Unsieved PALY _____ MOA _____ $\mu$ _____
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**Chevron U.S.A. Inc.**  
**Western Region, Exploration Laboratory**  
Platform 103, Richmond, California

**PALY - MOA Preparation**

23C

Well Name <u>Amoco "Cathedral River" #1</u>			Comp. Date <u>3-20-82</u>			Project No. <u>WAE 7569</u>		
S. T. R. <u>29-515-83w</u>			Requested By <u>PHW</u>			Processed By <u>R. J. Nielsen</u>		
Acc. No. <u>P 203134</u>			Sent To <u>"</u>			Sample Ct. <u>10</u> PALY, <u>12</u> MOA		

  

Bkr No.	Tube No.	Depth or Loc. No.	Type	Lith	Sample Processing										Wt. grms.	Org. Yield 10 grms	
					HCl	HF	HCl	HNO <sub>3</sub>	NaOH	Bleach				Sieve Size			Remarks
	49	9650-9840	M	Sh St	M	M	✓	✓	✓								.8
	50	9850-10040	"	"	M	M	✓	✓	✓								13 .65
	51	10050-10240	"	"	M	M	✓	✓	✓								20 .6
	52	10250-10440	"	"	M	M	✓	✓	✓								" .25
	53	10450-10640	"	"	M	A	✓							MoA Only			" Trace
	54	10650-10840	"	"	M	M	✓	✓	✓								" .3
	55	10850-11040	"	"	M	M	✓	✓	✓								" .15
	56	11050-11240	"	"	M	M	✓		✓								" .1
	57	11250-11440	"	"	M	M	✓		✓								17 .35
	58	11450-11640	"	"	M	M	✓		✓								20 .25
	59	11650-11840	"	"	M	M	✓							MoA Only			18 .1
	60	11850-12040	"	"	M	M	✓		✓								17 .35

  

Type: A = Auger, O = Outcrop, D = Ditch, M = Mud-L, C = Core, W = Washed Acid Descriptions: V = Vigorous M = Moderate W = Weak N = None Oxidation: H = Heavy M = Moderate L = Light	Slide, PALY _____ $\mu$ _____ Unsieved PALY _____ MOA _____ $\mu$ _____
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**Chevron U.S.A. Inc.**  
**Western Region, Exploration Laboratory**  
 Platform 103, Richmond, California  
**PALY - MOA Preparation**

R230

Well Name <u>Amoco "Cathedral River" #1</u>	Comp. Date _____	Project No. <u>WAE 7549</u>
S. T. R. <u>29-515-53w</u>	Requested By <u>PRW</u>	Processed By <u>R. J. Tiekman</u>
Acc. No. <u>P 203134</u>	Sent To _____	Sample Ct. <u>11</u> PALY, <u>11</u> MOA

Bkr No.	Tube No.	Depth or Loc. No.	Type	Lith	Sample Processing										Remarks	Wt. grms.	Org. Yield 10 grms
					HCl	HF	HCl	HNO <sub>3</sub>	NaOH	Bleach			Sieve Size				
	61	12050-12240	M	Sh	M	M	✓	✓	✓						15	1.5	
	62	12250-12440		"	M	M	✓	✓	✓						20	1.3	
	63	12450-12640		"	M	M	✓	✓	✓	✓					"	.9	
	64	12650-12840		"	M	M	✓	✓	✓	✓					"	1.1	
	65	12850-13040		"	M	M	✓	✓	✓	✓					"	.55	
	66	13050-13240		"	M	M	✓	✓	✓	✓					17	.65	
	67	13250-13440		"	M	M	✓	✓	✓	✓					20	.45	
	68	13450-13640		"	M	M	✓	✓	✓	✓					"	.65	
	69	13650-13840		"	M	M	✓	✓	✓	✓					"	.55	
	70	13850-14040		"	M	M	✓	✓	✓	✓					"	.55	
	71	14050-14300		"	M	M	✓	✓	✓	✓					19	.4	
	72																

Type: A = Auger, O = Outcrop, D = Ditch, M = Mud-L., C = Core, W = Washed  
 Acid Descriptions: V = Vigorous M = Moderate W = Weak N = None  
 Oxidation: H = Heavy M = Moderate L = Light

Slide, PALY \_\_\_\_\_ μ  
 Unsieved PALY \_\_\_\_\_  
 MOA \_\_\_\_\_ μ