

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Amoco Production Company's Champlin 269 Amoco-A Well 1 drilled in the NW1/4SW1/4 (1348 feet FSL, 1313 feet FWL) of sec. 1, T 16 N, R 98 W, Sweetwater County, Wyoming

Surface elevation: 6,900 feet

Sample number		Run No.	Yield of product				Specific gravity of oil at 60°/60° F	Properties of spent shale		Remarks
			Weight percent		Gal per ton	Tendency to coke				
Laramie	Their		Oil	Water			Spent shale	Gas + loss	Oil ^{1/}	Water
SBR76	1500-1590				Loss circulation material					
SBR76-9456-71	1590-2070						No Oil			
SBR76-9472	2070-2100						Trace			
SBR76-9473-76	2100-2220						No Oil			
SBR76-9477-93	2250-2760						No Oil			
SBR76-9494-95	2760-2820						Trace			
SBR76-9496	2820-2850						No Oil			
SBR76-9497-99	2850-2940						b			
SBR76-9500-01	2940-3000						c			
SBR76-9502-03	3000-3060						No Oil			
SBR76-9504	3060-3090						Trace			
SBR76-9505	3090-3120	23277	1.0	4.7	93.0	1.3	2.7a	11.3	None	
SBR76-9506	3120-3150	23278	2.6	4.2	91.1	2.1	7.0	10.2	0.896	
SBR76-9507	3150-3180	23279	2.9	5.0	90.8	1.3	8.0	12.0	.889	
SBR76-9508	3180-3210	23280	1.1	4.6	93.3	1.0	2.9a	11.0	None	
SBR76-9509	3210-3240	23281	1.2	5.4	92.3	1.1	3.0a	12.9	None	
SBR76-9510	3240-3270	23283	1.3	5.0	91.7	2.0	3.3a	12.0	None	
SBR76-9511	3270-3300	23284	1.9	5.0	91.7	1.4	5.0a	12.0	None	
SBR76-9512	3300-3330	23285	.6	5.8	93.0	.6	1.6a	13.9	None	
SBR76-9513	3330-3360	23286	.7	5.1	93.0	1.2	1.9a	12.2	None	
SBR76-9514	3360-3390	23287	1.0	5.0	93.0	1.0	2.5a	12.0	None	
SBR76-9515	3390-3420	23288	.5	7.2	91.1	1.2	1.2a	17.2	None	
SBR76-9516	3420-3450	23289	.0	6.6	92.7	.7	Trace	15.9	None	
SBR76-9517	3450-3480						b			
SBR76-9518	3480-3510						c			

^{1/} "a"--indicates specific gravity estimated as 0.92. Oil yields were estimated by a rapid test-tube method: "No Oil," "Trace," "b"--less than 1 gal oil/ton, "c"--1 to 3 gal oil/ton.

Drill cuttings received April 19, 1976; assays made on air-dried samples