

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Mountain Fuel Supply Company's Crooked Wash Unit well No. 2 drilled in, NW1/4SW1/4 (1650 feet N/S 330 feet E/W) of sec 20, T 13 N, R 99 W, Sweetwater County, Wyoming

Surface elevation 7,370 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		
Laramie	Their		Oil	Water	Spent shale	Gas + loss	Oil <sup>1/</sup>	Water	coke	
SBR70-3697	70- 80	50288	2.1	1.0	94.0	2.9	5.4	2.4	None	
SBR70-3698	80- 90	50289	1.8	1.3	94.5	2.4	4.8a	3.1	None	
SBR70-3699	90- 100	50290	1.6	2.0	95.0	1.4	4.3a	4.8	None	
SBR70-3700	100- 110	50291	1.2	2.3	95.1	1.4	3.2a	5.5	None	
SBR70-3701	110- 120	50292	1.0	1.3	96.6	1.1	2.6a	3.1	None	
SBR70-3702	120- 130	50293	.7	1.7	96.2	1.4	1.8a	4.1	None	
SBR70-3703	130- 140	50294	1.0	4.2	91.6	3.2	2.5a	10.1	None	
SBR70-3704	140- 150	50295	1.1	2.5	94.8	1.6	2.8a	6.0	None	
SBR70-3705	150- 160	60296	1.0	1.3	95.8	1.9	2.5a	3.1	None	
SBR70-3706	160- 170	50297	.9	2.9	94.5	1.7	2.4a	7.0	None	
SBR70-3707	170- 180	50298	.9	2.9	94.4	1.8	2.4a	7.0	None	
SBR70-3708	180- 190	50299	1.0	2.9	94.5	1.6	2.7a	7.0	None	
SBR70-3709	190- 200	50300	.8	2.0	95.4	1.8	2.1a	4.8	None	
SBR70-3710	200- 210	50301	1.5	1.9	95.0	1.6	3.9a	4.6	None	
SBR70-3711	210- 220	50302	.5	2.2	95.9	1.4	1.4a	5.3	None	
SBR70-3712	220- 230						b			
SBR70-3713	230- 240	50303	9.0	8.4	73.1	9.5	23.5a	20.1	None	Coal
SBR70-3714-16	240- 270						Trace			
SBR70-3717	270- 280	50304	9.0	4.9	78.8	7.3	23.4a	11.8		Coal
SBR70-3718	280- 290						Trace			
SBR70-3719-20	290- 310						No Oil			
SBR70-3721	510- 540						No Oil			
SBR70-3722	540- 570						Trace			
SBR70-3723	570- 600						b			
SBR70-3724-25	600- 660						Trace			
SBR70-3726	660- 690						No Oil			
SBR70-3727-29	690- 780						Trace			
SBR70-3730	780- 810						b			
SBR70-3731	810- 840						Trace			
SBR70-3732-56	840-1590						No Oil			

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.

Drill cutting samples received September 22, 1969; Assays made on air-dried samples