

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Petroleum Incorporated's No. 1 Government Resources Exploration well drilled in NE1/4 NE1/4 (662 feet S/N 657 feet W/E) of sec 4, T 15 N, R 94 W, Sweetwater County, Wyoming

Surface elevation 6,846 feet

Sample number		Run No.	Yield of product				Specific gravity of oil at 60°/60° F		Properties of spent shale Tendency to coke		Remarks
			Weight percent		Gal per ton						
Laramie	Their		Oil	Water	Spent shale	Gas + loss	Oil ^{1/}	Water			
SBR68-8842-44	135-190						No oil				
SBR68-8845	190-200						Trace				
SBR68-8846	200-210						b				
SBR68-8847-49	210-240						c				
SBR68-8850-51	240-260						Trace				
SBR68-8852-54	260-290						b				
SBR68-8855	290-300	33313	2.3	3.2	92.9	1.6	6.1	7.7	0.896	None	
SBR68-8856	300-310	33314	2.4	2.9	92.7	2.0	6.4	7.0	.895	None	
SBR68-8857	310-320	33315	2.7	3.0	92.2	2.1	7.3	7.2	.898	None	
SBR68-8858	320-330	33316	3.0	3.1	92.2	1.7	8.1	7.5	.894	None	
SBR68-8859	330-340	33317	2.9	2.7	92.4	2.0	7.8	6.4	.901	None	
SBR68-8860	340-350	33318	3.0	2.6	92.2	2.2	7.9	6.1	.898	None	
SBR68-8861	350-360	33319	.3	8.5	90.6	.6	.8a	20.4		None	
SBR68-8862	360-370	33320	.1	7.8	91.2	.9	.2a	18.8		None	
SBR68-8863	370-380	33321	.6	6.5	92.1	.8	1.6a	15.6		None	
SBR68-8864	380-390	33322	2.8	4.4	90.3	2.5	7.3	10.5	.916	None	
SBR68-8865	390-400	33323	2.6	3.8	92.1	1.5	6.9	9.1	.911	None	
SBR68-8866	400-410	33324	2.3	3.8	92.3	1.6	5.9	9.1	.913	None	
SBR68-8867	410-420	33325	1.9	2.8	92.6	2.7	4.9a	6.7		None	
SBR68-8868	420-430	33326	2.4	4.2	91.8	1.6	6.2	10.1	.913	None	
SBR68-8869	430-440	33327	2.4	3.8	91.6	2.2	6.3	9.1	.912	None	
SBR68-8870	440-450	33328	2.8	3.2	91.9	2.1	7.2	7.7	.919	None	
SBR68-8871	450-460	33329	2.8	4.0	91.4	1.8	7.3	9.6	.919	None	
SBR68-8872	460-470	33330	2.4	3.4	91.3	2.9	6.1	8.1	.928	None	
SBR68-8873	470-480	33331	1.8	7.5	89.4	1.3	4.6a	18.0		None	
SBR68-8874	480-490	33332	2.0	7.0	89.4	1.6	5.1a	16.8		None	
SBR68-8875	490-500	33333	3.2	3.8	92.4	.6	8.4	9.1	.909	None	
SBR68-8876	500-510	33334	2.6	4.2	91.3	1.9	6.8	10.1	.925	None	
SBR68-8877	510-520	33335	3.2	4.2	90.4	2.2	8.3	10.1	.918	None	
SBR68-8878	520-530	33336	2.5	2.9	92.8	1.8	6.4	7.0	.928	None	

See footnote at end of table.

Drill cutting samples received July 30, 1968; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Petroleum Incorporated's No. 1 Government Resources Explorations well (con.)

Surface elevation 6,846 feet

Sample number		Run No.	Yield of product				Specific gravity of oil at 60°/60° F	Properties of spent shale		Remarks
			Weight percent		Spent shale	Gas + loss		Gal per ton		
Laramie	Their		Oil	Water				Oil ^{1/}	Water	
SBR68-8879	530- 540	33337	1.6	3.2	94.5	0.7	4.2a	7.7	None	
SBR68-8880	540- 550	33338	2.0	3.5	93.2	1.3	5.3a	8.4	None	
SBR68-8881	550- 560	33339	1.9	3.6	93.2	1.3	4.8a	8.6	None	
SBR68-8882	560- 570	33340	.4	4.4	95.0	.2	1.0a	10.5	None	
SBR68-8883	570- 580						No oil			
SBR68-8884	580- 590						c			
SBR68-8885-89	590- 640						b			
SBR68-8890-91	640- 660						Trace			
SBR68-8892-93	660- 680						No oil			
SBR68-8894	680- 690						c			
SBR68-8895	690- 700						b			
SBR68-8896-99	700- 740						No oil			
SBR68-8900-03	740- 780						b			
SBR68-8904-06	780- 810						No oil			
SBR68-8907-08	810- 830						Trace			
SBR68-8909	830- 840						b			
SBR68-8910	840- 850						Trace			
SBR68-8911	850- 860						b			
SBR68-8912	860- 870						Trace			
SBR68-8913	870- 880						No oil			
SBR68-8914-15	880- 900						b			
SBR68-8916	2750-2780						b			
SBR68-8917	2780-2810						c			
SBR68-8918	2810-2840						Trace			
SBR68-8919-37	2840-3130						No oil			
SBR68-8938-41	3130-3170						Trace			
SBR68-8942-52	3170-3280						No oil			
SBR68-8953	3280-3290						Trace			
SBR68-8954-57	3290-3330						No oil			
SBR68-8958-63	3340-3400						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, "c"--1 to 3 gal oil/ton.

Drill cutting samples received July 30, 1968; Assays made on air-dried samples