

0' of 15 ✓

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Phillips Petroleum Company's Flat Rock well 5 drilled
in NE1/4NE1/4 of sec 30, T 14 S, R 20 E, Uinta County, Utah

Kelly Bushing elevation 7,342 feet

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Sample number		Run No.	Yield of product				Specific gravity of oil at 60°/60°F		Properties of spent shale		Remarks
			Weight percent		Gas + loss	Gal per ton			Tendency to coke		
Laramie	Their		Oil	Water		Spent shale		Oil ^{1/}		Water	
SBR64-6447	0- 10						No Oil				
SBR64-6448	10- 20						c				
SBR64-6449	20- 30						b				
SBR64-6450	30- 40						Trace				
SBR64-6451-52	40- 60						c				
SBR64-6453	60- 70	97945	0.8	1.6	96.8	0.8	2.0a	3.8		None	
SBR64-6454	70- 80	97946	1.3	1.8	95.7	1.2	3.5a	4.3		None	
SBR64-6455	80- 90	97947	1.5	2.3	95.7	.5	3.8a	5.5		None	
SBR64-6456	90-100	97948	1.3	2.0	95.8	.9	3.3a	4.8		None	
SBR64-6457	100-110	97949	1.9	2.1	95.2	.8	5.1a	5.0		None	
SBR64-6458	110-120	97950	.7	1.3	97.4	.6	1.9a	3.1		None	
SBR64-6459	120-130	97951	2.0	2.0	95.0	1.0	5.2	4.8	0.931	None	
SBR64-6460	130-140	97952	1.7	1.7	95.1	1.5	4.5a	4.1		None	
SBR64-6461	140-150	97953	1.9	2.1	95.1	.9	5.0a	5.0		None	
SBR64-6462	150-160	97954	1.9	1.3	95.2	1.6	4.8a	3.1		None	
SBR64-6463	160-170	97955	1.9	2.0	95.2	.9	5.0a	4.8		None	
SBR64-6464	170-180	97956	1.6	1.8	95.6	1.0	4.3a	4.3		None	
SBR64-6465	180-190						c				
SBR64-6466	190-200	97957	.8	.2	97.8	1.2	2.0a	.5		None	
SBR64-6467	200-210	97958	.5	.7	97.9	.9	1.4a	1.6		None	
SBR64-6468	210-220	97959	.8	1.2	97.8	.2	2.1a	2.9		None	
SBR64-6469-75	220-290						c				
SBR64-6476	290-300	97960	1.4	2.2	95.7	.7	3.5a	5.3		None	
SBR64-6477	300-310	97961	2.4	1.1	95.9	.6	6.2	2.6	.921	None	
SBR64-6478	310-320	97962	2.5	1.1	95.8	.6	6.6	2.6	.918	None	
SBR64-6479	320-330	97963	2.5	1.1	95.6	.8	6.5	2.6	.919	None	
SBR64-6480	330-340	97964	1.2	.8	97.6	.4	3.1a	1.9		None	
SBR64-6481	340-350	97965	1.3	.6	97.3	.8	3.5a	1.3		None	
SBR64-6482	350-360	97966	1.4	.6	97.3	.7	3.7a	1.3		None	
SBR64-6483	360-370	97967	.4	1.1	98.0	.5	1.0a	2.6		None	

See footnotes at end of table.

Drill cutting samples received October 25, 1963; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Phillips Petroleum Company's Flat Rock well 5 (con.)

Kelly Bushing elevation 7,342 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		Spent shale	Gas + loss	Gal per ton				
			Oil	Water			Oil ^{1/}	Water			
Laramie	Their										
SBR64-6484	370-380						c				
SBR64-6485-89	380-430						b				
SBR64-6490	430-440						c				
SBR64-6491	440-450	97968	0.8	1.2	97.1	0.9	2.2a	2.9		None	
SBR64-6492	450-460	97969	.9	1.1	97.0	1.0	2.3a	2.6		None	
SBR64-6493	460-470	97970	.8	1.3	97.2	.7	2.1a	3.1		None	
SBR64-6494-96	470-500						c				
SBR64-6497	500-510						b				
SBR64-6498-99	510-530						c				
SBR64-6500	530-540						No Oil				
SBR64-6501	540-550						Trace				
SBR64-6502-15	550-690						No Oil				
SBR64-6516	690-700						Trace				
SBR64-6517-18	700-720						No Oil				
SBR64-6519	720-730						Trace				
SBR64-6520-26	730-800						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 October 25, 1963; assays made on air-dried samples