

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Phillips Petroleum Company's Wild Horse well No. 1 drilled in C SE1/4SE1/4
(660 feet N/S 660 feet W/E) of sec. 13, T. 14 S., R. 17 E., Uintah County, Utah

Spudded just above Horse Ranch SS.

0' - 2438
0' - 2438
0' - 2438

Sample number		Run No.	Yield of product				Specific gravity of oil at 60°/60° F.		Properties of spent shale	Remarks
Laramie	Their		Weight percent		Spent shale	Gas + loss	Gal. per ton		Tendency to coke	
			Oil	Water			Oil 1/2	Water		
SBR63-13499-502	100-140						c			
SBR63-13503	140-150						Trace			
SBR63-13504	150-160						c			
SBR63-13505	160-170						b			
SBR63-13506	170-180						No oil			
SBR63-13507	180-190						Trace			
SBR63-13508	190-200						c			
SBR63-13509- 14	400-460						c			
SBR63-13515	460-470						Trace			
SBR63-13516	470-480	92264	1.2	0.7	97.7	0.4	3.2a	1.6	None	
SBR63-13517	480-490	92265	1.3	1.0	97.1	.6	3.5a	2.3	None	
SBR63-13518	490-500	92266	1.7	1.2	96.3	.8	4.4a	2.9	None	
SBR63-13519	500-510	92267	1.3	1.2	96.7	.8	3.4a	2.9	None	
SBR63-13520	510-520	92268	.7	1.8	96.9	.6	1.9a	4.3	None	
SBR63-13521	520-530	92269	.8	1.7	97.0	.5	2.1a	4.1	None	
SBR63-13522	530-540						No oil			
SBR63-13523- 32	540-640						c			
SBR63-13533	640-650	92270	.7	1.3	97.6	.4	1.9a	3.0	None	
SBR63-13534	650-660	92271	.6	1.3	97.6	.5	1.5a	3.2	None	
SBR63-13535	660-670	92272	.7	1.0	97.7	.6	1.7a	2.4	None	
SBR63-13536- 41	670-730						c			
SBR63-13542	730-740	92273	.4	.9	98.2	.5	1.1a	2.2	None	
SBR63-13543	740-750	92274	.2	1.1	98.3	.4	.6a	2.5	None	
SBR63-13544	750-760	92275	.3	1.2	98.2	.3	.7a	2.9	None	
SBR63-13545	760-770	92276	.2	.6	98.6	.6	.5a	1.6	None	
SBR63-13546	770-780						b			
SBR63-13547	780-790						c			
SBR63-13548	790-800						Trace			
SBR63-13549	800-810						c			
SBR63-13550	810-820						b			

See footnotes at end of table.

Drill cutting samples received August 5, 1963; assays made on air-dried samples

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Samples from Phillips Petroleum Company's Wild Horse well No. 1 (con.)

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					
Laramie	Their		Oil	Water					Oil	Water	
SBR63-13551	820- 830						c				
SBR63-13552	830- 840						No oil				
SBR63-13553	840- 850						c				
SBR63-13554- 62	850- 940						No oil				
SBR63-13563- 67	950-1000						c				
SBR63-13568	1000-1010						Trace				
SBR63-13569	1010-1020						b				
SBR63-13570	1020-1030						Trace				
SBR63-13571- 72	1030-1050						No oil				
SBR63-13573	1050-1060						Trace				
SBR63-13574- 87	1060-1200						No oil				
SBR63-13588- 95	1300-1560						No oil				
SBR63-13596	1560-1570						b				
SBR63-13597	1570-1580						c				
SBR63-13598	1580-1590						Trace				
SBR63-13599-600	1590-1610						c				
SBR63-13601- 08	1610-1690						No oil				
SBR63-13609	1690-1700						Trace				
SBR63-13610- 29	1700-1900						No oil				
SBR63-13630- 37	1910-1990						No oil				
SBR63-13638	1990-2000						Trace				
SBR63-13639- 46	2000-2080						No oil				
SBR63-13647	2080-2090						Trace				
SBR63-13648	2090-2100						b				
SBR63-13649- 51	2100-2130						No oil				
SBR63-13652	2130-2140						b				
SBR63-13653	2140-2150						Trace				
SBR63-13654- 57	2150-2190						No oil				
SBR63-13658	2190-2200						c				
SBR63-13659- 63	2200-2250						No oil				

See footnotes at end of table.

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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		Spent shale	Gas + loss		Gal. per ton		
Laramie	Their	Oil	Water	Oil ^{1/}			Water			
SBR63-13664-66	2250-2280						c			
SBR63-13667	2280-2290						Trace			
SBR63-13668	2290-2300						c			
SBR63-13669-73	2300-2350						No oil			
SBR63-13674	2350-2360						b			
SBR63-13675	2360-2370						No oil			
SBR63-13676	2370-2380						c			
SBR63-13677	2380-2390						No oil			
SBR63-13678	2390-2400						Trace			
SBR63-13679-82	2400-2440						No oil			
SBR63-13683	2450-2460						No oil			
SBR63-13684	2460-2470						c			
SBR63-13685	2470-2480						Trace			
SBR63-13686-87	2480-2500						c			
SBR63-13688	2500-2510						Trace			
SBR63-13689	2510-2520						b			
SBR63-13690-91	2520-2540						No oil			
SBR63-13692	2540-2550						c			
SBR63-13693-98	2550-2610						No oil			
SBR63-13699	2610-2620						c			
SBR63-13700-10	2620-2730						No oil			
SBR63-13711	2730-2740						c			
SBR63-13712	2740-2750	92277	0.3	1.2	97.8	0.7	0.8a	2.9	None	
SBR63-13713	2750-2760	92278	.2	.8	98.2	.8	.6a	1.9	None	
SBR63-13714	2760-2770	92279	.5	1.4	98.1	.0	1.2a	3.4	None	
SBR63-13715	2770-2780						c			
SBR63-13716	2780-2790						Trace			
SBR63-13717	2790-2800						b			

^{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.

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