

UR 238
0'-309
0'-259
50±-159 ✓

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shamrock Oil and Gas Corporation's Government 1-1 well drilled in NW1/4SE1/4
1,848 feet N/S 2,006 feet W/E of sec. 1, T. 12 S., R. 21 E., Uintah County, Utah

Surface elevation 5,935 feet

Sample number		Run No.	Yield of product				Gal. per ton		Specific gravity of oil at 60°/60°F.	Properties of spent shale		Remarks
			Weight percent		Spent shale	Gas + loss						
Laramie	Their		Oil	Water					Oil ^{1/}	Water		Tendency to coke
SBR63-5548-50	0- 30						No Oil					
SBR63-5551	30- 40						Trace					
SBR63-5552-53	40- 60						No Oil					
SBR63-5554-56	60- 90						Trace					
SBR63-5557-67	90-200						No Oil					
SBR63-5568	230-240						b					
SBR63-5569	240-250						Trace					
SBR63-5570-78	250-340						b					
SBR63-5579-5607	340-630						c					
SBR63-5608	630-640						b					
SBR63-5609-13	640-700						c					
SBR63-5614	700-710	87102	1.0	2.1	95.6	1.3	2.7a	5.0		None		
SBR63-5615	710-720	87103	1.2	1.6	95.4	1.8	3.2a	3.8		None		
SBR63-5616	720-730	87104	1.3	2.2	95.3	1.2	3.3a	5.3		None		
SBR63-5617	730-740						c					
SBR63-5618	740-750	87105	.2	1.8	97.2	.8	.4a	4.3		None		
SBR63-5619	750-760	87106	.8	1.6	97.1	.5	2.1a	3.8		None		
SBR63-5620	760-770	87107	.8	1.9	96.6	.7	2.1a	4.6		None		
SBR63-5621	770-780	87108	1.7	.8	96.4	1.1	4.4a	1.9		None		
SBR63-5622	780-790	87109	1.2	1.1	96.5	1.2	3.1a	2.6		None		
SBR63-5623	790-800	87110	1.3	.9	96.6	1.2	3.3a	2.3		None		
SBR63-5624	800-810	87111	1.9	.8	96.4	.9	4.9a	1.9		None		
SBR63-5625-27	810-840						c					
SBR63-5628	840-850	87112	2.2	1.0	95.9	.9	5.8	2.4	0.925	None		
SBR63-5629	850-860	87113	2.2	.8	96.0	1.0	5.6	2.0	.925	None		
SBR63-5630	860-870	87114	2.2	1.0	95.7	1.1	5.8a	2.4		None		
SBR63-5631	870-880	87115	1.9	.7	96.5	.9	5.0a	1.8		None		
SBR63-5632	880-890	87116	2.1	1.0	96.0	.9	5.5	2.4	.927	None		
SBR63-5633	890-900	87117	2.3	1.0	95.9	.8	6.0	2.4	.926	None		
SBR63-5634	900-910	87118	2.6	1.1	95.4	.9	6.6	2.6	.929	None		

See footnotes at end of table.

Drill cutting samples received July 17, 1962; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shamrock Oil and Gas Corporation's Government 1-1 well (con.)

Surface elevation 5,935 feet

Sample number			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			Tendency to coke		
			Oil	Water			Oil ^{1/}	Water				
Laramie	Their	Run No.	Oil	Water	Spent shale	Gas + loss	Oil ^{1/}	Water				
SBR63-5635	910- 920	87119	2.6	1.0	95.6	0.8	6.6	2.4	0.927	None		
SBR63-5636	920- 930	87120	3.3	1.0	94.5	1.2	8.5	2.4	.930	None		
SBR63-5637	930- 940	87121	3.2	1.1	94.6	1.1	8.3	2.6	.929	None		
SBR63-5638	940- 950	87122	3.2	1.0	94.7	1.1	8.3	2.4	.927	None		
SBR63-5639	950- 960	87123	4.9	.9	92.6	1.6	12.8	2.2	.922	None		
SBR63-5640	960- 970	87124	5.0	1.0	92.6	1.4	13.1	2.4	.921	None		
SBR63-5641	970- 980	87125	4.7	1.1	92.9	1.3	12.2	2.6	.921	None		
SBR63-5642	980- 990	87126	3.6	1.2	94.2	1.0	9.4	2.9	.921	None		
SBR63-5643	990-1000	87127	3.6	1.0	93.6	1.8	9.3a	2.4		None		
SBR63-5644	1060-1070	87128	3.2	1.5	93.9	1.4	8.4a	3.7		None		
SBR63-5645	1070-1080	87129	2.2	.4	94.7	2.7	5.7a	1.1		None		
SBR63-5646	1080-1090	87130	2.7	1.0	94.1	2.2	7.1a	2.4		None		
SBR63-5647	1090-1100	87131	2.0	.5	95.4	2.1	5.3a	1.1		None		
SBR63-5648	1100-1110	87132	3.6	.7	95.1	.6	9.3	1.8	.918	None		
SBR63-5649	1110-1120	87133	3.2	.6	95.1	1.1	8.4	1.3	.918	None		
SBR63-5650	1120-1130	87134	5.3	.6	92.4	1.7	13.9	1.5	.913	None		
SBR63-5651	1130-1140	87135	6.1	.3	91.6	2.0	16.0a	.6		None		
SBR63-5652	1140-1150	87136	3.9	.4	94.3	1.4	10.2a	.8		None		
SBR63-5653	1150-1160	87137	4.0	.6	94.3	1.1	10.4a	1.4		None		
SBR63-5654	1160-1170	87138	4.0	.6	93.8	1.6	10.5a	1.5		None		
SBR63-5655	1170-1180	87139	2.8	.7	95.6	.9	7.4	1.7	.915	None		
SBR63-5656	1180-1190	87140	2.6	.7	95.9	.8	6.7	1.8	.915	None		
SBR63-5657	1190-1200	87141	2.1	.5	96.2	1.2	5.4a	1.2		None		
SBR63-5658	1200-1210	87142	2.3	.9	95.8	1.0	6.2	2.0	.907	None		
SBR63-5659	1210-1220	87143	2.2	.8	96.1	.9	5.7a	1.9		None		
SBR63-5660	1220-1230	87144	2.1	.9	96.0	1.0	5.4a	2.1		None		
SBR63-5661	1230-1240	87145	1.8	.6	96.5	1.1	4.6a	1.5		None		
SBR63-5662	1240-1250	87146	1.7	.2	96.6	1.5	4.4a	.6		None		
SBR63-5663	1250-1260	87147	.8	1.0	97.4	.8	2.1a	2.4		None		
SBR63-5664-67	1260-1300						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 cutting samples received July 17, 1962; assays made on air-dried samples