

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Sinclair Oil and Gas Company's No. 1 Uintah-Federal 178 well drilled in SW1/4SW1/4 723 feet N/S 530 feet E/W of sec. 24, T. 12 S., R. 22 E., Uintah County, Utah

UR242

probably sampled
below Mzhigany

Surface elevation 6,194 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				
SBR63-4254	630-640	86760	4.6	1.7	91.9	1.8	12.0	4.1	0.924	None		
SBR63-4255	640-650	86761	4.6	1.6	92.2	1.6	11.9	4.0	.924	None		
SBR63-4256	650-660	86762	4.7	1.7	92.0	1.6	12.1	4.1	.925	None		
SBR63-4257	660-670	86763	4.6	1.3	92.5	1.6	11.8	3.1	.925	None		
SBR63-4258	670-680	86764	4.5	1.4	92.6	1.5	11.8	3.4	.924	None		
SBR63-4259	680-690	86765	4.3	1.4	92.7	1.6	11.0	3.5	.924	None		
SBR63-4260	690-700	86766	4.5	1.6	92.4	1.5	11.7	3.8	.924	None		
SBR63-4261	700-710	86767	3.4	1.9	93.3	1.4	8.8	4.6	.921	None		
SBR63-4262	710-720	86768	3.9	2.0	92.8	1.3	10.3	4.7	.911	None		
SBR63-4263	720-730	86769	3.2	1.4	93.2	2.2	8.3	3.2	.924	None		
SBR63-4264	730-740	86770	3.2	1.6	93.6	1.6	8.2	4.0	.921	None		
SBR63-4265	740-750	86771	2.6	1.1	94.9	1.4	6.7	2.6	.921	None		
SBR63-4266	750-760	86772	3.0	1.5	94.6	.9	7.9	3.6	.924	None		
SBR63-4267	760-770	86773	2.3	1.4	94.7	1.6	6.0	3.2	.925	None		
SBR63-4268	770-780	86774	2.5	1.6	94.8	1.1	6.6	3.7	.923	None		
SBR63-4269	780-790	86775	3.0	1.3	94.6	1.1	7.9	3.1	.925	None		
SBR63-4270	790-800	86776	1.8	1.2	95.5	1.5	4.6a	2.9		None		
SBR63-4271	800-810	86777	1.8	1.3	95.6	1.3	4.7a	3.1		None		
SBR63-4272	810-820	86778	1.3	1.2	95.9	1.0	4.8a	2.9		None		
SBR63-4273	820-830	86779	1.8	1.3	95.8	1.1	4.6a	3.2		None		
SBR63-4274	830-840	86780	1.9	1.4	96.0	.7	5.1a	3.2		None		
SBR63-4275	840-850	86781	1.8	1.1	96.5	.6	4.6a	2.8		None		
SBR63-4276	850-860	86782	5.0	1.1	92.8	1.1	13.1	2.6	.911	None		
SBR63-4277	860-870	86783	4.9	1.1	92.9	1.1	13.0	2.5	.910	None		
SBR63-4278	880-890	86784	4.6	1.0	93.2	1.2	11.9	2.4	.914	None		
SBR63-4279	890-900	86785	4.1	.8	93.9	1.2	10.8	1.8	.914	None		
SBR63-4280	900-910	86786	2.7	.4	95.8	1.1	7.1	1.0	.914	None		
SBR63-4281	910-920	86787	4.4	.7	93.7	1.2	11.6	1.7	.915	None		
SBR63-4282	920-930	86788	3.1	1.0	95.2	.7	8.2	2.3	.914	None		
SBR63-4283	930-940	86789	2.7	.8	95.4	1.1	7.0	2.0	.916	None		

See footnotes at end of table.

Drill cutting samples received June 25, 1962; assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-3695P, Sheet No. 1 of 4 sheets

May 14, 1963

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Sinclair Oil and Gas Company's No. 1 Uintah-Federal 178 well (con.)

Surface elevation 6,194 feet

Surface elevation 0,194 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			Tendency to coke
Laramie	Their		Oil	Water					Oil ^{1/}	Water	
SBR63-4284	940- 950	86790	2.6	0.7	96.0	0.7	6.7	1.7	0.914	None	
SBR63-4285	950- 960	86791	2.5	.7	96.1	.7	6.5	1.7	.911	None	
SBR63-4286	960- 970	86792	2.8	.8	95.7	.7	7.3	1.9	.913	None	
SBR63-4287	970- 980	86793	1.8	.7	96.8	.7	4.7a	1.6		None	
SBR63-4288	980- 990						c				
SBR63-4289	990-1000	86794	1.4	.8	97.3	.5	3.5a	1.9		None	
SBR63-4290	1000-1010	86795	1.6	.8	96.9	.7	4.2a	1.8		None	
SBR63-4291	1010-1020	86796	1.6	.9	97.1	.4	4.3a	2.0		None	
SBR63-4292	1020-1030	86797	3.8	.7	94.5	1.0	9.9	1.8	.915	None	
SBR63-4293	1030-1040	86798	4.2	.7	93.9	1.2	11.2	1.7	.911	None	
SBR63-4294	1040-1050	86799	3.7	.6	94.4	1.3	9.6	1.6	.916	None	
SBR63-4295	1050-1060	86800	2.7	1.0	95.5	.8	7.0	2.4	.915	None	
SBR63-4296	1060-1070	86801	2.2	.8	95.8	1.2	5.7	1.9	.921	None	
SBR63-4297	1070-1080	86802	1.8	1.2	96.2	.8	4.7a	2.9		None	
SBR63-4298	1080-1090	86803	1.7	1.3	95.4	1.6	4.4a	3.1		None	
SBR63-4299	1090-1100	86804	1.7	1.3	96.2	.8	4.4a	3.2		None	
SBR63-4300	1110-1120	86805	1.5	.8	96.5	1.2	3.9a	1.9		None	
SBR63-4301	1120-1130	86806	1.6	1.0	96.4	1.0	4.3a	2.3		None	
SBR63-4302	1140-1150						b				
SBR63-4303	1150-1160						Trace				
SBR63-4304-09	1160-1220						c				
SBR63-4310-12	1220-1250						Trace				
SBR63-4313-15	1250-1280						No oil				
SBR63-4316	1280-1290						Trace				
SBR63-4317-18	1290-1310						No oil				
SBR63-4319	1320-1330						Trace				
SBR63-4320	1330-1340						No oil				
SBR63-4321	1340-1350						b				
SBR63-4322	1350-1360						Trace				
SBR63-4323	1360-1370						b				

See footnotes at end of table.

Drill cutting samples received June 25, 1962; assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-3695P, Sheet No. 2 of 4 sheets

March 14, 1963

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Sinclair Oil and Gas Company's No. 1 Uintah-Federal 178 well (con.)

Surface elevation 6,194 feet

Sample number		Run No.	Yield of product				Gal. per ton		Specific gravity of oil at 60°/60°	Properties of spent shale		Remarks
Laramie	Their		Weight percent		Spent shale	Gas + loss				Oil ^{1/}	Water	
			Oil	Water								
SBR63-4324-25	1370-1390						Trace					
SBR63-4326	1420-1430						Trace					
SBR63-4327-30	1430-1470						b					
SBR63-4331-49	1560-1750						No oil					
SBR63-4350	1750-1760						Trace					
SBR63-4351-54	1760-1800						b					
SBR63-4355-56	1800-1820						Trace					
SBR63-4357-63	1820-1890						b					
SBR63-4364-65	1890-1910						Trace					
SBR63-4366-74	1910-2000						No oil					
SBR63-4375-76	2000-2020						Trace					
SBR63-4377	2020-2030						b					
SBR63-4378-87	2030-2130						No oil					
SBR63-4388-91	2130-2170						b					
SBR63-4392-95	2170-2210						Trace					
SBR63-4396-97	2210-2230						b					
SBR63-4398	2230-2240						Trace					
SBR63-4399-4400	2240-2260						b					
SBR63-4401-02	2260-2280						c					
SBR63-4403	2280-2290						b					
SBR63-4404	2290-2300						No oil					
SBR63-4405	2300-2310						Trace					
SBR63-4406	2310-2320						No oil					
SBR63-4407-08	2320-2340						c					
SBR63-4409	2340-2350	86807	0.8	1.2	97.1	0.9	2.1a	2.8		None		
SBR63-4410	2350-2360	86808	2.0	1.8	95.1	1.1	5.3a	4.3		None		
SBR63-4411	2360-2370	86809	2.2	1.4	94.9	1.5	5.7	3.5	0.907	None		
SBR63-4412	2370-2380	86810	1.1	1.5	96.5	.9	2.8a	3.7		None		
SBR63-4413-17	2380-2430						c					
SBR63-4418	2430-2440						b					

See footnotes at end of table.

Drill cutting samples received June 25, 1962; assays made on air-dried samples

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Surface elevation 6,194 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						
			Oil	Water	Spent shale	Gas + loss					
Laramie	Their										
SBR63-4419	2440-2450						c				
SBR63-4420-21	2450-2470						Trace				
SBR63-4422-23	2480-2500						b				
SBR63-4424-26	2500-2530						c				
SBR63-4427	2530-2540						b				
SBR63-4428-30	2540-2570						Trace				
SBR63-4431	2570-2580						No oil				
SBR63-4432-33	2580-2600						Trace				
SBR63-4434-46	2600-2730						No oil				
SBR63-4447-48	2730-2750						Trace				
SBR63-4449-51	2750-2780						No oil				
SBR63-4452-54	2780-2810						Trace				
SBR63-4455-57	2810-2840						b				
SBR63-4458-63	2840-2900						No oil				
SBR63-4464	2900-2910						Trace				
SBR63-4465	2910-2920						No oil				
SBR63-4466-67	2920-2940						Trace				
SBR63-4468-73	2940-3000						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 June 25, 1962; assays made on air-dried samples