

0' of 309 UR 239 ✓
40' of 259
200' of 159.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Delhi-Taylor's Government well 1-13 drilled in SW1/4NE1/4 1,820 feet S/N
1,853 feet W/E of sec. 13, T. 12 S., R. 21 E., Uintah County, Utah

Derrick Floor elevation 6,026 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			Water	Oil ^{1/}	Water	Tendency to coke		
SBR63-5765-66	240-260					c						
SBR63-5767-68	260-280					b						
SBR63-5769-74	280-340					c						
SBR63-5775	340-350	87224	1.6	1.8	96.0	0.6	4.1a	4.3		None		
SBR63-5776	350-360	87225	1.6	1.6	95.7	1.1	4.1a	4.0		None		
SBR63-5777	360-370	87226	1.5	1.6	95.3	1.6	4.0a	3.8		None		
SBR63-5778	370-380	87227	1.7	1.5	95.8	1.0	4.4a	3.7		None		
SBR63-5779	380-390	87228	1.7	1.6	95.5	1.2	4.4a	4.0		None		
SBR63-5780	390-400	87229	1.6	1.7	95.7	1.0	4.2a	4.1		None		
SBR63-5781	400-410	87230	1.8	1.6	95.6	1.0	4.6a	4.0		None		
SBR63-5782	430-440	87231	1.7	1.6	95.7	1.0	4.5a	3.8		None		
SBR63-5783	440-450	87232	1.8	3.3	94.0	.9	4.7a	7.9		None		
SBR63-5784-88	450-500						c					
SBR63-5789	500-510	87233	1.8	4.3	92.8	1.1	4.6a	10.3		None		
SBR63-5790	510-520	87234	2.9	2.2	93.6	1.3	7.5	5.3	0.925	None		
SBR63-5791	520-530	87235	2.5	2.6	93.5	1.4	6.6	6.2	.925	None		
SBR63-5792	530-540	87236	2.6	2.7	93.6	1.1	6.8	6.4	.925	None		
SBR63-5793	540-550	87237	2.4	2.0	94.0	1.6	6.3	4.7	.924	None		
SBR63-5794	550-560	87238	2.7	2.1	93.6	1.6	7.0	5.0	.928	None		
SBR63-5795	560-570	87239	1.5	2.2	95.0	1.3	4.0a	5.3		None		
SBR63-5796	570-580	87240	1.7	2.4	94.8	1.1	4.5a	5.8		None		
SBR63-5797	580-590	87241	1.4	2.0	95.1	1.5	3.7a	4.7		None		
SBR63-5798	590-600	87242	1.7	2.3	94.9	1.1	4.4a	5.5		None		
SBR63-5799	600-610	87243	1.8	2.4	94.6	1.2	4.6a	5.8		None		
SBR63-5800	610-620	87244	1.4	1.9	95.4	1.3	3.7a	4.6		None		
SBR63-5801	620-630	87245	1.8	2.1	95.1	1.0	4.8a	5.0		None		
SBR63-5802	630-640	87246	1.6	2.2	95.3	.9	4.2a	5.2		None		
SBR63-5803	640-650	87247	1.6	2.0	95.5	.9	4.2a	4.8		None		
SBR63-5804	650-660	87248	1.5	2.1	95.3	1.1	3.9a	5.0		None		
SBR63-5805	660-670	87249	1.4	1.6	96.0	1.0	3.8a	3.8		None		

See footnotes at end of table.

Drill cutting samples received August 9, 1962; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Delhi-Taylor's Government well 1-13 (con.)

Derrick Floor elevation 6,026 feet

Sample number			Yield of product						Specific gravity of oil at 60°/60°F.	Properties of spent shale		Remarks
			Weight percent			Gal. per ton				Tendency to coke		
			Oil	Water	Spent shale	Gas + loss	Oil ^{1/}	Water				
Laramie	Their	Run No.	Oil	Water	Spent shale	Gas + loss	Oil ^{1/}	Water				
SBR63-5806	670-680	87250	1.6	2.0	95.9	0.5	4.2a	4.8		None		
SBR63-5807	680-690	87251	1.7	1.8	95.5	1.0	4.3a	4.3		None		
SBR63-5808	690-700	87252	1.6	1.9	95.5	1.0	4.2a	4.6		None		
SBR63-5809	700-710	87253	1.1	4.0	93.3	1.6	2.9a	9.6		None		
SBR63-5810-11	710-730						c					
SBR63-5812	730-740	87254	1.1	4.1	93.5	1.3	2.8a	9.8		None		
SBR63-5813	740-750	87255	5.6	1.0	91.7	1.7	14.7	2.4	0.916	None		
SBR63-5814	750-760	87256	5.4	1.2	91.8	1.6	14.0	2.9	.920	None		
SBR63-5815	760-770	87257	5.4	1.0	91.9	1.7	14.1	2.4	.920	None		
SBR63-5816	770-780	87258	5.4	1.2	91.8	1.6	14.2	2.9	.918	None		
SBR63-5817	780-790	87259	2.6	1.2	95.0	1.2	6.7	2.9	.925	None		
SBR63-5818	790-800	87260	2.6	1.3	95.0	1.1	6.7	3.1	.925	None		
SBR63-5819	800-810	87261	2.6	1.5	95.2	.7	6.9	3.6	.919	None		
SBR63-5820	810-820	87262	2.6	1.5	95.2	.7	6.7	3.7	.918	None		
SBR63-5821	820-830	87263	2.6	1.4	95.1	.9	6.6	3.5	.923	None		
SBR63-5822	830-840	87264	2.6	1.4	95.3	.7	6.9	3.4	.920	None		
SBR63-5823	840-850	87265	2.6	1.5	95.5	.4	6.7	3.7	.923	None		
SBR63-5824	850-860	87266	2.6	2.0	94.5	.9	6.8	4.8	.922	None		
SBR63-5825	860-870	87267	2.8	1.8	94.5	.9	7.4	4.3	.919	None		
SBR63-5826	870-880	87268	3.6	1.3	94.1	1.0	9.4	3.0	.923	None		
SBR63-5827	880-890	87269	2.4	1.2	95.8	.6	6.1	2.9	.926	None		
SBR63-5828	890-900	87270	4.8	1.1	92.7	1.4	12.5	2.8	.919	None		
SBR63-5829	900-910	87271	4.7	1.0	92.7	1.6	12.2	2.5	.921	None		
SBR63-5830	910-920	87272	.6	.8	98.0	.6	1.6a	1.9		None		
SBR63-5831	920-930	87273	6.0	.9	91.0	2.1	15.6	2.3	.918	None		
SBR63-5832	930-940	87274	4.3	.6	93.7	1.4	11.2	1.4	.923	None		
SBR63-5833	940-950	87275	3.1	.7	95.1	1.1	8.1	1.6	.921	None		
SBR63-5834	950-960	87276	12.0	1.0	84.6	2.4	31.5	2.4	.910	Slight		
SBR63-5835	960-970	87277	8.7	.4	88.8	2.1	22.8	.8	.917	None		
SBR63-5836	970-980	87278	7.8	.8	89.2	2.2	20.3	2.0	.921	None		

6026
950
E 576

See footnotes at end of table.

Drill cutting samples received August 9, 1962; assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-3740P, Sheet No. 2 of 5 sheets

April 5, 1963

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Delhi-Taylor's Government well 1-13 (con.)

Derrick Floor elevation 6,026 feet

Perforated floor elevation 0.020 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	
SBR63-5837	980- 990	87279	9.6	0.7	87.8	1.9	25.3	1.8	0.904	None	
SBR63-5838	990-1000	87280	5.0	.3	92.8	1.9	12.8	.8	.925	None	
SBR63-5839	1000-1010	87281	5.3	.8	92.7	1.2	13.6	2.0	.925	None	
SBR63-5840	1010-1020	87282	1.6	.9	96.7	.8	4.3a	2.2		None	
SBR63-5841	1020-1030	87283	1.6	.8	97.0	.6	4.0a	2.0		None	
SBR63-5842	1030-1040	87284	1.5	1.0	96.9	.6	3.9a	2.4		None	
SBR63-5843	1040-1050	87285	3.8	.6	95.0	.6	9.9	1.3	.916	None	
SBR63-5844	1050-1060	87286	4.4	.8	93.7	1.1	11.4	2.0	.915	None	
SBR63-5845	1060-1070	87287	9.6	1.2	87.4	1.8	25.2	2.9	.911	None	
SBR63-5846	1070-1080	87288	8.7	1.1	88.1	2.1	22.8	2.6	.916	None	
SBR63-5847	1080-1090	87289	8.4	1.0	88.5	2.1	22.1	2.3	.915	None	
SBR63-5848	1090-1100	87290	8.2	.8	89.0	2.0	21.4	2.0	.914	None	
SBR63-5849	1100-1110	87291	3.5	1.0	94.7	.8	9.0	2.4	.927	None	
SBR63-5850	1110-1120	87292	4.0	1.3	93.9	.8	10.3	3.1	.925	None	
SBR63-5851	1120-1130	87293	3.9	1.2	93.9	1.0	10.0	2.9	.924	None	
SBR63-5852	1130-1140	87294	3.8	1.4	94.0	.8	9.9	3.4	.923	None	
SBR63-5853	1140-1150	87295	2.3	1.4	95.7	.6	6.0	3.4	.923	None	
SBR63-5854	1150-1160	87296	2.3	1.5	95.9	.3	6.0	3.6	.921	None	
SBR63-5855	1160-1170	87297	1.8	2.0	95.9	.3	4.7a	4.8		None	
SBR63-5856	1170-1180	87298	2.4	1.4	95.3	.9	6.1	3.4	.928	None	
SBR63-5857	1180-1190	87299	2.0	1.6	96.2	.2	5.1a	3.8		None	
SBR63-5858	1190-1200	87300	1.8	1.4	96.6	.2	4.8a	3.4		None	
SBR63-5859	1200-1210	87301	1.9	1.5	96.4	.2	4.8a	3.6		None	
SBR63-5860	1210-1220	87302	1.8	1.6	96.2	.4	4.6a	3.8		None	
SBR63-5861	1220-1230	87303	1.9	1.6	96.4	.1	4.8a	3.8		None	
SBR63-5862	1230-1240	87304	1.8	1.5	96.2	.5	4.8a	3.6		None	
SBR63-5863	1240-1250	87305	1.7	1.4	96.4	.5	4.3a	3.4		None	
SBR63-5864	1260-1270	87306	1.7	1.4	96.5	.4	4.4a	3.4		None	
SBR63-5865	1270-1280	87307	1.7	1.4	96.8	.1	4.4a	3.4		None	
SBR63-5866	1280-1290	87308	1.7	1.5	96.5	.3	4.4a	3.6		None	

See footnotes at end of table.

Drill cutting samples received August 9, 1962; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Delhi-Taylor's Government well 1-13 (con.)

Derrick Floor elevation 6,026 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
SBR63-5867	1290-1300	87309	1.4	1.0	95.8	1.8	3.6a	2.5		None
SBR63-5868-72	1320-1370						b			
SBR63-5873-76	1370-1410						Trace			
SBR63-5877	1410-1420						No Oil			
SBR63-5878	1420-1430						b			
SBR63-5879-84	1430-1490						Trace			
SBR63-5885	1490-1500						b			
SBR63-5886-95	1520-1620						b			
SBR63-5896	1790-1800	87310	2.9	1.8	92.2	3.1	7.5a	4.4		None
SBR63-5897	1800-1810	87311	2.2	1.9	95.4	.5	5.7a	4.5		None
SBR63-5898	1810-1820	87312	2.2	2.3	94.1	1.4	5.8	5.4	0.913	None
SBR63-5899	1820-1830	87313	2.1	1.9	93.6	2.4	5.5a	4.5		None
SBR63-5900	1830-1840	87314	2.1	2.1	94.4	1.4	5.6	4.9	.914	None
SBR63-5901	1840-1850	87315	2.2	1.6	94.7	1.5	5.7	3.8	.919	None
SBR63-5902	1850-1860	87316	2.5	1.3	93.8	2.4	6.6a	3.1		None
SBR63-5903	1860-1870	87317	1.5	2.9	94.1	1.5	3.9a	7.1		None
SBR63-5904	1870-1880	87318	2.2	2.6	93.4	1.8	5.7a	6.3		None
SBR63-5905	1880-1890	87319	1.9	1.9	94.8	1.4	4.9a	4.7		None
SBR63-5906	1890-1900	87320	1.8	2.2	94.8	1.2	4.6a	5.3		None
SBR63-5907	1900-1910	87321	5.8	1.6	90.6	2.0	15.1	4.0	.916	None
SBR63-5908	1910-1920	87322	6.6	2.1	89.6	1.7	17.4	5.0	.914	None
SBR63-5909	1920-1930	87323	3.6	1.8	93.3	1.3	9.5	4.3	.915	None
SBR63-5910	1930-1940						c			
SBR63-5911	1940-1950	87324	2.6	1.4	94.4	1.6	6.9	3.4	.921	None
SBR63-5912	1950-1960	87325	5.8	1.9	90.5	1.8	15.2	4.5	.918	None
SBR63-5913	1960-1970	87326	3.2	1.6	93.8	1.4	8.4	3.8	.915	None
SBR63-5914	1970-1980	87327	2.6	1.6	94.5	1.3	6.7	3.8	.917	None
SBR63-5915	1980-1990	87328	12.4	2.7	81.2	3.7	32.6	6.4	.913	None
SBR63-5916	1990-2000	87329	4.0	1.7	92.5	1.8	10.5	4.1	.916	None
SBR63-5917	2000-2010						No Oil			

See footnotes at end of table.

Drill cutting samples received August 9, 1962; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Delhi-Taylor's Government well 1-13 (con.)

Derrick Floor elevation 6,026 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
SBR63-5918-25	2020-2100						No Oil			
SBR63-5926-28	2100-2130						Trace			
SBR63-5929-30	2130-2150									
SBR63-5931-44	2160-2300									
SBR63-5945-50	2300-2360						b			
SBR63-5951	2400-2410						b			
SBR63-5952	2410-2420						c			
SBR63-5953	2420-2430						b			
SBR63-5954-55	2430-2450						c			
SBR63-5956-57	2550-2570						b			
SBR63-5958	2570-2580						c			
SBR63-5959-60	2580-2600						b			
SBR63-5961	2600-2610	87346	0.4	1.8	96.7	1.1	1.2a	4.4	None	
SBR63-5962	2610-2620	87347	1.2	1.3	96.5	1.0	3.2a	3.1	None	
SBR63-5963	2620-2630						c			
SBR63-5964	2630-2640	87348	1.2	1.1	94.4	3.3	3.2a	2.6	None	
SBR63-5965	2640-2650	87349	.8	.8	96.0	2.4	2.1a	1.9	None	
SBR63-5966	2650-2660	87350	1.1	2.2	95.6	1.1	2.8a	5.3	None	
SBR63-5967-68	2660-2680						c			
SBR63-5969	2680-2690	87351	1.2	.5	97.7	.6	3.0a	1.2	None	
SBR63-5970	2690-2700	87352	1.1	.3	96.6	2.0	3.0a	.8	None	
SBR63-5971	2700-2710	87353	1.2	.6	97.0	1.2	3.0a	1.3	None	
SBR63-5972-78	2710-2780						c			
SBR63-5979-80	2780-2800						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 August 9, 1962; assays made on air-dried samples