

4-33
OIL-SHALE ASSAYS BY MODIFIED FISCHER METHOD
(Watson 2 @ 0104M 25 6420)

Samples from Skyline Oil Company's Skyline-Robertson corehole No. 2, drilled 264 feet East of West line,
2,366.7 feet North of South line, sec. 16, T. 11 S., R. 26 E., Uintah County, Utah

239' of 15917
63' of 25917
39' of 30917

Surface elevation 5,904.8 feet

Mahogany marker 371.8 feet

Mahogany marker 5522.1

Sample number		Run No.	Yield of product				Specific gravity of oil at 60°/60° F.		Properties of spent shale		Remarks
			Weight percent		Gal. per ton				Tendency to		
Laramie	Ther		Oil	Water	Spent shale	Gas + loss	Oil	Water	coke		
SBR60-2041	35 - 35.8	65402	6.3	0.6	91.4	1.7	16.5	1.4	0.923	None	
SBR60-2042	35.8 - 37	65403	2.0	.3	96.6	1.1	5.2	.6	.937	None	
SBR60-2043	37 - 38.5	65404	1.7	.3	97.0	1.0	4.5a	.6		None	
SBR60-2044	38.5 - 40.5	65405	2.0	.4	97.2	.4	5.2a	1.0		None	
SBR60-2045	40.5 - 42.5	65406	1.5	.3	98.0	.2	4.0a	.6		None	
SBR60-2046	42.5 - 44.3	65407	1.3	.2	98.2	.3	3.3a	.6		None	
SBR60-2047	44.3 - 46.3	65408	1.2	.3	98.2	.3	3.1a	.7		None	
SBR60-2048	46.3 - 48.1	65409	.9	.4	98.6	.1	2.2a	1.1		None	
SBR60-2049	48.1 - 49.4	65410	.2	.1	99.6	.1	.6a	.2		None	
SBR60-2050	49.4 - 50.4	65411	1.0	.3	98.3	.4	2.7a	.7		None	
SBR60-2051	50.4 - 51.8	65412	2.6	.4	96.4	.6	6.7	.8	.932	None	
SBR60-2052	51.8 - 62	65413	1.2	.1	98.3	.4	3.0a	.4		None	
SBR60-2053	62 - 63	65414	.2	.1	99.6	.1	.5a	.4		None	
SBR60-2054	63 - 65	65415	1.9	.2	97.7	.2	4.9a	.6		None	
SBR60-2055	65 - 67	65416	1.2	.2	98.0	.6	3.2a	.5		None	
SBR60-2056	67 - 68.7	65417	1.6	.2	97.8	.4	4.2a	.6		None	
SBR60-2057	68.7 - 70.6	65418	1.2	.4	98.0	.4	3.3a	1.0		None	
SBR60-2058	70.6 - 71.8	65419	2.0	.4	97.1	.5	5.1a	1.0		None	
SBR60-2059	71.8 - 73	65420	2.3	.4	96.7	.6	5.8	1.1	.933	None	
SBR60-2060	73 - 75	65421	2.4	.5	96.2	.9	6.3	1.1	.933	None	
SBR60-2061	75 - 76.9	65422	2.2	.4	96.4	1.0	5.7	1.0	.933	None	
SBR60-2062	76.9 - 78.5	65423	2.7	.2	96.3	.8	7.0	.6	.926	None	
SBR60-2063	78.5 - 80.5	65424	11.8	.6	85.2	2.4	30.7	1.4	.923	Slight	
SBR60-2064	80.5 - 82.5	65425	3.6	.3	95.1	1.0	9.2	.6	.934	None	
SBR60-2065	82.5 - 84	65426	2.6	.3	96.2	.9	6.7	.7	.930	None	
SBR60-2066	84 - 85	65427	2.2	.3	96.5	1.0	5.7	.6	.935	None	
SBR60-2067	85 - 86.6	65428	4.2	.4	94.5	.9	10.7	.8	.943	None	
SBR60-2068	86.6 - 87.6	65429	3.9	.3	94.9	.9	9.9	.8	.942	None	
SBR60-2069	87.6 - 89.6	65430	6.4	.3	92.8	.5	17.3	.6	.890	None	
SBR60-2070	89.6 - 91	65431	2.8	.2	96.2	.8	7.3	.5	.932	None	

a - Specific gravity estimated due to insufficient oil.

Core samples received October 21, 1959; assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-3158P March 28, 1960

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Skyline Oil Company's Skyline-Robertson corehole No. 2, drilled 264 feet East of West line,
2,366.7 feet North of South line, sec. 16, T. 11 S., R. 25 E., Uintah County, Utah

Surface elevation 5,904.8 feet

Mahogany marker 371.8 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				
				Laramie	Thier			Oil	Water		
SBR60-2071	91 -93	65432	3.4	0.4	95.6	0.6	8.7	0.8	.938	None	
SBR60-2072	93 -95	65433	3.1	.3	95.8	.8	7.8	.7	.939	None	
SBR60-2073	95 -96	65434	4.1	.2	94.8	.9	10.4	.6	.936	None	
SBR60-2074	96 -98	65435	3.3	.4	95.2	1.1	8.5	.8	.940	None	
SBR60-2075	98 -99.5	65436	4.5	.3	94.1	1.1	11.6	.7	.936	None	
SBR60-2076	99.5-101	65437	4.1	.3	94.8	.8	10.3	.7	.944	None	
SBR60-2077	101 -103	65438	2.7	.2	96.5	.6	7.0	.5	.930	None	
SBR60-2078	103 -105	65439	3.0	.1	96.5	.4	7.6	.4	.926	None	
SBR60-2079	105 -107.1	65440	4.0	.3	94.9	.8	10.3	.7	.934	None	
SBR60-2080	107.1-108.8	65441	5.1	.3	93.8	.8	13.0	.7	.934	None	
SBR60-2081	108.8-110.4	65442	1.9	.2	97.6	.3	5.1a	.5		None	
SBR60-2082	110.4-112	65443	2.8	.2	96.2	.8	7.3	.4	.932	None	
SBR60-2083	112 -113	65444	3.6	.3	95.3	.8	9.2	.8	.934	None	
SBR60-2084	113 -114	65445	3.8	.2	95.0	1.0	9.6	.6	.942	None	
SBR60-2085	114 -115	65446	4.2	.3	94.4	1.1	10.6	.8	.944	None	
SBR60-2086	115 -117	65447	4.6	.2	94.3	.9	11.6	.6	.941	None	
SBR60-2087	117 -119	65448	3.6	.2	95.2	1.0	9.3	.5	.938	None	
SBR60-2088	119 -121	65449	3.7	.2	95.2	.9	9.4	.6	.933	None	
SBR60-2089	121 -123	65450	4.0	.3	94.6	.9	10.1	.8	.941	None	
SBR60-2090	123 -125	65451	3.6	.4	95.0	1.0	9.3	.8	.936	None	
SBR60-2091	125 -127	65452	3.9	.3	95.0	.8	9.9	.7	.935	None	
SBR60-2092	127 -128.3	65453	2.7	.3	96.2	.8	6.8	.7	.933	None	
SBR60-2093	128.3-129.8	65454	6.0	.4	92.4	1.2	15.3	1.0	.933	None	
SBR60-2094	129.8-131	65455	3.4	.3	95.4	.9	8.7	.7	.929	None	
SBR60-2095	131 -132.1	65456	3.6	.3	95.2	.9	9.3	.7	.930	None	
SBR60-2096	132.1-133.5	65457	3.6	.2	95.1	1.1	9.3	.5	.930	None	
SBR60-2097	133.5-135	65458	3.1	.3	95.8	.8	7.9	.7	.928	None	
SBR60-2098	135 -135.8	65459	4.1	.2	94.5	1.2	10.5	.5	.936	None	
SBR60-2099	135.8-137	65460	1.8	.2	97.2	.8	4.7a	.5		None	
SBR60-2100	137 -139	65461	3.6	.3	95.3	.8	9.1	.7	.933	None	

a - Specific gravity estimated due to insufficient oil.

Core samples received October 21, 1959; assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-3159P

March 28, 1960

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Skyline Oil Company's Skyline-Robertson corehole No. 2, drilled 264 feet East of West line,
2,366.7 feet North of South line, sec. 16, T. 11 S., R. 25 E., Uintah County, Utah

Surface elevation 5,904.8 feet

Mahogany marker 371.8 feet

Sample number		Run No.	Yield of product				Specific gravity of oil at 60°/60° F.		Properties of spent shale	Remarks
Laramie	Ther		Weight percent		Gas + loss	Gal. per ton		Tendency to		
			Oil	Water		Spent shale	Oil		Water	Coke
SBR60-2101	139 -141	65462	4.2	0.3	94.4	1.1	10.7	0.8	.938	None
SBR60-2102	141 -142	65463	3.3	.4	95.5	.8	8.4	1.0	.934	None
SBR60-2103	142 -143.5	65464	2.4	.3	96.6	.7	6.2	.7	.929	None
SBR60-2104	143.5-145.5	65465	2.8	.4	96.0	.8	7.3	.8	.935	None
SBR60-2105	145.5-146.5	65466	2.6	.3	96.4	.7	6.6	.7	.933	None
SBR60-2106	146.5-147.5	65467	7.6	.4	90.3	1.7	19.6	1.0	.927	None
SBR60-2107	147.5-149.5	65468	3.0	.4	95.9	.7	7.8	1.0	.936	None
SBR60-2108	149.5-151.5	65469	2.5	.4	96.3	.8	6.3	1.0	.936	None
SBR60-2109	151.5-153.5	65470	2.4	.4	96.2	1.0	6.0	1.1	.939	None
SBR60-2110	153.5-155.5	65471	2.4	.4	96.3	.9	6.2	.8	.932	None
SBR60-2111	155.5-157.5	65472	2.4	.4	96.5	.7	6.1	1.0	.932	None
SBR60-2112	157.5-159.5	65473	2.4	.5	96.2	.9	6.2	1.2	.933	None
SBR60-2113	159.5-161.5	65474	2.6	.5	95.8	1.1	6.7	1.2	.936	None
SBR60-2114	161.5-163.5	65475	1.7	.5	97.0	.8	4.5a	1.2		None
SBR60-2115	163.5-164.5	65476	2.8	.4	95.4	1.4	7.2	1.1	.932	None
SBR60-2116	164.5-166.5	65477	7.7	.4	90.1	1.8	19.7	1.0	.933	None
SBR60-2117	166.5-167.5	65478	2.7	.5	95.8	1.0	7.0	1.2	.934	None
SBR60-2118	167.5-168.9	65479	2.3	.5	96.1	1.1	6.0	1.2	.931	None
SBR60-2119	168.9-170.4	65480	2.2	.4	96.6	.8	5.6	1.0	.925	None
SBR60-2120	170.4-172	65481	6.9	.5	90.8	1.8	17.7	1.2	.932	None
SBR60-2121	172 -174	65482	3.8	.7	94.3	1.2	9.5	1.8	.944	None
SBR60-2122	174 -175	65483	2.7	1.1	95.2	1.0	6.9	2.6	.942	None
SBR60-2123	175 -177	65484	2.9	1.1	94.8	1.2	7.2	2.6	.943	None
SBR60-2124	177 -179	65485	4.2	.7	94.0	1.1	10.6	1.7	.941	None
SBR60-2125	179 -181	65486	2.7	1.2	95.2	.9	7.0	2.8	.937	None
SBR60-2126	181 -183	65487	2.1	1.1	95.9	.9	5.3	2.6	.929	None
SBR60-2127	183 -184.3	65488	3.5	1.0	91.4	4.1	8.8	2.4	.935	None
SBR60-2128	184.3-185.3	65489	3.5	.7	94.8	1.0	8.9	1.8	.935	None
SBR60-2129	185.3-187	65490	6.3	.7	91.5	1.5	16.2	1.6	.936	None
SBR60-2130	187 -189	65491	2.8	.6	95.6	1.0	7.1	1.4	.943	None

a - Specific gravity estimated due to insufficient oil.

Core samples received October 21, 1959; assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-3160P

March 28, 1960

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Skyline Oil Company's Skyline-Robertson corehole No. 2, drilled 264 feet East of West line,
2,366.7 feet North of South line, sec. 16, T. 11 S., R. 25 E., Uintah County, Utah

Surface elevation 5,904.8 feet

Mahogany marker 371.8 feet

Sample number	Run No.	Yield of product				Specific gravity		Properties of spent shale		Tendency to	F. & S. coke	BX 50	BX 50	BX 50
		Oil	Water	Spent shale	Gas + loss	Oil	Water	of oil at 50°/60° F.	of oil at 50°/60° F.					
Laramie	Thair													
SBR60-2131	189 -191	65498	7.8	0.7	95.3	1.2	7.1	1.8	0.935	None				
SBR60-2132	191 -193	65493	3.5	.4	94.1	2.0	9.0	1.0	.932	None				
SBR60-2133	193 -195	65494	4.7	.6	93.4	1.3	12.2	2.0	1.4	2.44	.936	4.88	None	59.54
SBR60-2134	195 -196.7	65495	3.5	.7	94.8	1.0	9.0	1.7	1.8	2.50	.927	4.25	None	38.25
SBR60-2135	196.7-197.7	65496	2.9	.9	95.4	.8	7.4	1.0	2.2	2.54	.923	2.54	None	18.80
SBR60-2136	197.7-199	65497	10.0	1.0	88.7	.3	25.9	1.3	2.3	2.20	.927	2.86	None	74.07
SBR60-2137	199 -201	65498	3.4	.7	94.2	1.7	8.6	2.0	1.7	2.51	.937	5.02	None	43.17
SBR60-2138	201 -203	65499	2.5	.7	95.7	1.1	6.3	2.0	1.7	2.56	.935	5.12	None	32.26
SBR60-2139	203 -205	65500	3.7	.8	94.6	.9	9.4	2.0	2.0	2.48	.934	4.96	None	46.62
SBR60-2140	205 -206.5	65501	3.4	.8	94.9	.9	8.8	1.5	1.8	2.51	.929	3.76	None	33.09
SBR60-2141	206.5-207.5	65502	3.7	.8	94.7	.8	9.5	1.0	1.9	2.48	.928	2.48	None	23.56
SBR60-2142	207.5-208.5	65503	7.6	.8	90.0	1.6	19.7	1.0	1.8	2.30	.926	2.30	None	45.31
SBR60-2143	208.5-210.5	65504	9.8	.8	87.2	2.2	25.5	2.0	1.8	2.21	.921	4.42	None	112.71
SBR60-2144	210.5-212.5	65505	2.7	.6	94.7	2.0	6.9	2.0	1.6	2.54	.935	5.08	None	35.05
SBR60-2145	212.5-214.5	65506	4.2	.6	94.0	1.2	10.7	2.0	1.3	2.46	.942	4.92	None	52.64
SBR60-2146	214.5-216.5	65507	5.0	.4	93.3	1.3	12.7	2.0	1.0	2.42	.937	4.84	None	61.47
SBR60-2147	216.5-218.5	65508	5.4	.8	92.2	1.6	13.9	2.0	1.8	2.40	.931	4.80	None	66.72
SBR60-2148	218.5-220.5	65509	5.2	.4	93.1	1.3	13.4	2.0	1.0	2.41	.937	4.82	None	64.59
SBR60-2149	220.5-221.7	65510	4.6	.6	93.5	1.3	11.9	1.2	1.3	2.44	.935	2.93	None	34.87
SBR60-2150	221.7-223	65511	5.3	.4	93.3	1.0	13.7	1.3	1.0	2.40	.934	3.12	None	42.74
SBR60-2151	223 -225	65512	5.0	.5	93.2	1.3	12.9	2.0	1.2	2.42	.929	4.84	None	62.44
SBR60-2152	225 -227	65513	4.9	.7	92.9	1.5	12.8	2.0	1.7	2.42	.919	4.84	None	61.95
SBR60-2153	227 -229	65514	4.6	1.2	92.7	1.5	11.9	2.0	3.0	2.44	.919	4.88	None	58.07
SBR60-2154	229 -231	65515	4.7	.8	93.2	1.3	12.1	2.0	2.0	2.44	.923	4.88	None	59.05
SBR60-2155	231 -232.8	65516	5.8	.8	92.0	1.4	15.0	1.8	2.0	2.38	.920	4.28	None	64.20
SBR60-2156	232.8-234	65517	5.4	.8	92.0	1.8	14.1	1.2	1.9	2.40	.920	2.88	None	40.61
SBR60-2157	234 -235.8	65518	9.5	.8	87.5	2.2	24.6	1.8	1.8	2.22	.921	4.00	None	99.20
SBR60-2158	235.8-237	65519	7.9	.8	89.2	2.1	20.5	1.2	2.0	2.29	.916	2.75	None	51.37
SBR60-2159	237 -239	65520	6.9	1.2	90.0	1.9	18.1	2.0	2.9	2.33	.915	4.66	None	84.35
SBR60-2160	239 -240	65521	2.7	1.4	93.0	2.9	7.0	7.0	3.4	2.54	.920	2.54	None	17.78

Core samples received October 21, 1959; assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-3161P

March 26, 1960

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Skyline Oil Company's Skyline-Robertson corehole No. 2, drilled 264 feet East of West line,
2,366.7 feet North of South line, sec. 16, T. 11 S., R. 25 E., Uintah County, Utah

Surface elevation 5,904.8 feet

Mahogany marker 371.8 feet

Sample number			Run No.	Yield of product				Specific gravity				Properties of spent shale		Tendency to	f+xsg	f+xsg	
				Weight percent		Gas + loss	Gal. per ton		of oil at		Tendency to						
Laramie	Thier			Oil	Water		Spent shale		Oil	ft. Water	Spent shale	60°/60°	ft. Water	Spent shale			
SBR60-2161	240 -241	65522		8.0	1.1	93.7	0.2	13.0	1.0	2.6	2.42	.924	2.42	None	31.46	80.20	1151.58
SBR60-2162	241 -243	65523		3.9	1.2	92.3	2.6	10.0	2.0	2.9	2.63	.922	5.26	None	52.60		
SBR60-2163	243 -244.3	65524		3.2	1.5	94.5	.8	8.4	1.3	3.4	2.51	.925	3.26	None	27.38		
SBR60-2164	244.3-245.3	65525		3.6	1.0	94.4	1.0	9.2	2.0	2.4	2.49	.924	4.98	None	45.82		
SBR60-2165	245.3-247	65526		8.5	1.2	88.2	2.1	22.0	1.7	2.9	2.26	.924	3.84	None	84.48		
SBR60-2166	247 -248.7	65527		4.0	1.5	93.2	1.3	10.2	1.7	3.6	2.47	.925	4.20	None	42.84		
SBR60-2167	248.7-250	65528		3.0	.8	95.0	1.2	7.7	1.3	2.0	2.52	.931	3.28	None	25.26		
SBR60-2168	250 -252	65529		5.4	1.0	92.0	1.6	14.2	2.0	2.4	2.40	.918	4.80	None	68.16		
SBR60-2169	252 -254	65530		2.3	1.8	94.8	1.1	5.9	2.0	4.3	2.56	.923	5.12	None	30.21		
SBR60-2170	254 -255	65531		3.2	1.6	93.8	1.4	8.3	1.0	3.8	2.52	.925	2.52	None	20.92		
SBR60-2171	255 -256.4	65532		2.5	1.2	95.1	1.2	6.3	1.4	2.9	2.56	.927	3.58	None	22.55		
SBR60-2172	256.4-258.4	65533		5.6	1.2	92.9	.3	14.5	2.0	3.9	2.39	.924	4.78	None	69.31		
SBR60-2173	258.4-260.4	65534		3.2	1.7	94.5	.6	8.2	2.0	4.1	2.51	.933	5.02	None	41.16		
SBR60-2174	260.4-262.4	65535		3.3	1.5	94.6	.6	8.4	2.0	3.6	2.51	.928	5.02	None	42.17		
SBR60-2175	262.4-263.4	65536		3.0	1.6	94.8	.6	7.9	1.0	3.8	2.52	.925	2.52	None	19.91		
SBR60-2176	263.4-265.4	65537		6.9	1.2	90.7	1.2	17.8	2.0	2.9	2.33	.925	4.66	None	82.95		
SBR60-2177	265.4-267	65538		2.7	1.5	95.3	.5	6.8	1.6	3.6	2.54	.934	4.06	None	27.61		
SBR60-2178	267 -268	65539		3.3	1.3	94.5	.9	8.5	1.0	3.1	2.51	.939	2.51	None	21.33		
SBR60-2179	268 -269	65540		8.2	1.3	88.8	1.7	21.3	1.0	3.1	2.27	.927	2.27	None	48.35		
SBR60-2180	269 -270.3	65541		3.5	.8	94.4	1.3	9.1	1.3	1.8	2.49	.927	3.24	None	29.48		
SBR60-2181	270.3-272.3	65542		3.2	1.3	94.4	1.1	8.4	2.0	3.1	2.51	.925	5.02	None	42.17		
SBR60-2182	272.3-273.3	65543		4.4	1.5	92.8	1.3	11.5	1.0	3.6	2.45	.925	2.45	None	28.17		
SBR60-2183	273.3-275	65544		11.7	1.8	84.2	2.3	30.2	1.7	1.3	2.14	.926	3.64	None	109.93		
SBR60-2184	275 -277	65545		2.8	1.3	95.0	.9	7.2	2.0	3.1	2.52	.932	5.04	None	36.79		
SBR60-2185	277 -279	65546		2.4	1.4	95.3	.9	6.2	2.0	3.4	2.56	.930	5.12	None	32.26		
SBR60-2186	279 -281	65547		4.0	1.2	93.6	1.2	10.4	2.0	2.9	2.47	.929	4.94	None	51.38		
SBR60-2187	281 -282.5	65548		4.4	1.3	93.3	1.0	11.4	1.5	3.1	2.45	.923	3.67	None	41.84		
SBR60-2188	282.5-283.3	65549		4.2	1.2	93.8	.8	11.0	0.8	2.8	2.46	.922	1.97	None	21.67		
SBR60-2189	283.3-285	65550		10.9	1.6	85.4	2.1	28.2	1.7	3.8	2.17	.924	3.69	None	104.43		
SBR60-2190	285 -287	65551		3.8	1.1	94.2	.9	9.8	2.0	3.6	2.63	.917	5.26	None	52.07	195.92	2474.78

Core samples received October 21, 1959; assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-3162P

March 28, 1960

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Skyline Oil Company's Skyline-Robertson corehole No. 2, drilled 264 feet East of West line,
2,366.7 feet North of South line, sec. 16, T. 11 S., R. 25 E., Uintah County, Utah

Surface elevation 5,904.8 feet

Mahogany marker 371.8 feet

Sample number			Run No.	Yield of product				Specific gravity				Properties of spent shale		Remarks	HxSg	fxSxg
				Weight percent		Spent shale	Gas + loss	Gal. per ton		of oil at 60°/60° F.	Tendency to					
Laramie	Thier		Oil	Water					Oil			Water				
SBR60-2191	287 -289	65552	1.2	1.2	97.0	0.6	8.2	2.0	2.9	2.63	5.26	None	16.83	201.18	2491.61	
SBR60-2192	289 -291	65553	5.6	1.1	92.1	1.2	14.7	2.0	2.6	2.390	.922	4.78	None	70.27		
SBR60-2193	291 -293	65554	3.8	1.3	94.2	.7	9.8	2.0	3.1	2.48	.922	4.96	None	48.61		
SBR60-2194	293 -294.5	65555	4.7	1.5	92.9	.9	12.2	1.5	3.6	2.44	.923	3.66	None	44.65		
SBR60-2195	294.5-296.5	65556	4.6	.7	93.8	.9	11.7	2.0	1.8	2.44	.931	4.88	None	57.10		
SBR60-2196	296.5-298.5	65557	3.6	1.1	94.6	.7	9.3	2.0	2.6	2.50	.928	5.00	None	46.50		
SBR60-2197	298.5-299.5	65558	4.4	1.1	93.5	1.0	11.2	1.0	2.6	2.46	.932	2.46	None	27.55		
SBR60-2198	299.5-301.5	65559	5.9	1.2	92.1	.8	15.4	2.0	2.9	2.37	.921	4.74	None	72.99		
SBR60-2199	301.5-303.5	65560	4.4	1.0	93.6	1.0	11.2	2.0	2.4	2.46	.933	4.92	None	35.10		
SBR60-2200	303.5-305.5	65561	4.2	1.0	93.9	.9	10.9	2.0	2.4	2.46	.932	4.92	None	53.63		
SBR60-2201	305.5-307.5	65562	4.0	.9	94.2	.9	10.2	2.0	2.3	2.48	.931	4.96	None	50.59		
SBR60-2202	307.5-309.5	65563	4.0	1.3	93.7	1.0	10.2	2.0	3.1	2.48	.930	4.96	None	50.59		
SBR60-2203	309.5-311.5	65564	4.2	1.2	93.5	1.1	10.6	2.0	2.9	2.48	.937	4.96	None	52.58		
SBR60-2204	311.5-313.5	65565	4.2	.9	93.6	1.3	10.9	2.0	2.0	2.46	.931	4.96	None	54.06		
SBR60-2205	313.5-315.5	65566	2.6	1.0	95.5	.9	6.6	2.0	2.5	2.55	.932	5.10	None	33.66		
SBR60-2206	315.5-317.5	65567	3.8	.8	94.5	.9	9.7	2.0	1.9	2.48	.926	4.96	None	48.11		
SBR60-2207	317.5-319.5	65568	3.9	.8	94.4	.9	10.0	2.1	1.9	2.48	.927	5.21	None	52.10		
SBR60-2208	319.5-321.5	65569	4.6	1.3	92.8	1.3	11.8	2.0	3.1	2.44	.930	4.88	None	57.58		
SBR60-2209	321.5-323.5	65570	.3	3.4	96.0	.3	.9	2.0	8.1	2.69		5.38	None	4.84		
SBR60-2210	323.5-325	65571	4.5	.5	93.7	1.3	11.7	1.4	1.2	2.44	.927	3.42	None	40.01		
SBR60-2211	325 -327	65572	5.8	.4	92.6	1.2	15.1	2.0	.8	2.38	.929	4.76	None	71.88		
SBR60-2212	327 -329	65573	4.6	.6	93.8	1.0	11.8	2.0	1.4	2.44	.931	4.88	None	57.58		
SBR60-2213	329 -331	65574	3.3	.8	95.0	.9	8.4	2.0	1.9	2.52	.933	5.04	None	42.34		
SBR60-2214	331 -333	65575	4.4	.7	93.8	1.1	11.4	2.0	1.6	2.45	.929	4.90	None	53.90		
SBR60-2215	333 -335	65576	3.1	.8	95.2	.9	8.0	2.0	1.9	2.52	.932	5.04	None	40.32		
SBR60-2216	335 -336.1	65577	4.1	.6	94.0	1.3	10.4	1.1	1.4	2.46	.929	2.71	None	28.18		
SBR60-2217	336.1-337.7	65578	4.7	.7	93.4	1.2	12.0	1.6	1.7	2.44	.927	3.90	None	46.80		
SBR60-2218	337.7-338.8	65579	3.7	.7	94.2	1.4	9.7	1.1	1.6	2.48	.927	2.73	None	26.48		
SBR60-2219	338.8-340.3	65580	11.5	.8	85.0	2.7	29.7	1.5	1.9	2.15	.926	3.23	None	95.93		
SBR60-2220	340.3-342.3	65581	5.0	.4	93.1	1.5	13.0	2.0	1.0	2.42	.928	4.84	None	62.92	332.32	3938.46

a - Specific gravity estimated due to insufficient oil.

Core samples received October 21, 1959; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Skyline Oil Company's Skyline-Robertson corehole No. 2, drilled 264 feet East of West line,
2,366.7 feet North of South line, sec. 16, T. 11 S., R. 25 E., Uintah County, Utah

Surface elevation 5,904.8 feet

Mahogany marker 371.8 feet

Sample number		Run No.	Yield of product				Specific gravity		Properties of spent shale				Remarks			
			Weight percent		Spent shale	Gas + loss	Gal. per ton		of oil at 60°/60° F.	Tendency to coke						
			Oil	Water			Oil	Water								
Laramie	Their															
SBR60-2221	342.3-343.3	65582	5.3	0.4	92.9	1.4	13.8	1.0	0.8	2.400	.926	2.40	None	33.17	334.72	3971.58
SBR60-2222	343.3-344.7	65583	10.4	.6	86.7	2.3	27.0	1.4	1.4	2.19	.923	3.07	None	82.89	337.79	4054.47
SBR60-2223	344.7-346.2	65584	6.2	.3	91.8	1.7	16.1	1.5	.8	2.36	.920	2.54	None	56.99	341.30	4111.46
SBR60-2224	346.2-348.1	65585	8.6	.6	88.8	2.3	22.6	1.9	1.4	2.25	.917	4.28	None	96.73	345.61	4208.19
SBR60-2225	348.1-350.1	65586	2.3	.7	95.8	1.2	5.9	2.0	1.7	2.56	.926	5.12	None	30.21	350.73	4238.40
SBR60-2226	350.1-352.1	65587	2.0	.4	96.5	1.1	5.2	2.0	1.0	2.58		5.16	None	26.83	355.89	4265.23
SBR60-2226A	352.1-354.1	65588	1.9	.6	96.3	1.2	4.9	2.0	1.4	2.59		5.18	None	25.38	361.07	4290.61
SBR60-2227	354.1-355.1	65589	1.1	.4	97.9	.6	2.8	1.0	1.0	2.63		2.63	None	7.36	363.70	4297.97
SBR60-2228	355.1-356	65590	1.2	.5	97.6	.7	3.1	0.9	1.1	2.63		2.37	None	7.35	366.07	4305.72
SBR60-2229	356 -356.8	65591	5.7	.3	92.6	1.4	15.0	0.8	.7	2.38	.916	1.90	None	28.50	367.97	4333.82
SBR60-2230	356.8-358.1	65592	14.6	.8	81.6	3.0	38.4	1.3	1.9	2.03	.911	2.64	Slight	101.38	370.61	4435.20
SBR60-2231	358.1-360.1	65593	5.9	.6	91.6	1.9	15.4	2.0	2.6	2.37	.915	4.74	None	73.00	375.35	4508.20
SBR60-2232	360.1-361.2	65594	4.8	1.0	92.7	1.8	12.6	1.1	2.4	2.43	.920	2.67	None	33.64	378.02	4541.84
SBR60-2233	361.2-362.2	65595	3.6	1.0	94.2	1.2	9.5	1.0	2.4	2.48	.921	2.48	None	23.56	380.50	4565.40
SBR60-2234	362.2-363.2	65596	8.1	1.5	88.8	1.6	21.1	1.0	3.6	2.28	.922	2.78	None	48.11	382.78	4613.51
SBR60-2235	363.2-364.5	65597	10.4	1.0	86.6	2.0	27.1	1.3	2.4	2.19	.922	2.85	None	77.24	385.63	4690.75
SBR60-2236	364.5-365.5	65598	9.3	.6	88.2	1.9	24.7	1.0	1.4	2.22	.906	2.22	None	54.83	387.85	4745.58
SBR60-2237	365.5-367	65599	16.3	1.1	79.9	2.7	43.2	1.5	2.8	1.97	.901	2.95	None	127.44	390.80	4813.02
SBR60-2238	367 -369	65600	7.3	.7	90.2	1.8	19.5	2.0	1.6	2.30	.904	4.60	None	89.70	395.40	4962.72
SBR60-2239	369 -371	65601	5.6	.5	92.7	1.2	14.5	2.0	1.2	2.39	.922	4.78	None	69.31	400.18	5032.03
SBR60-2240	371 -373	65602	5.2	.6	93.0	1.2	13.6	2.0	1.3	2.41	.921	4.82	None	65.55	405.00	5097.58
SBR60-2241	373 -374.7	65603	3.9	.6	94.5	1.0	10.2	1.7	1.3	2.46	.922	4.18	None	42.64	409.18	5140.22
SBR60-2242	374.7-375.6	65604	3.5	.5	94.9	1.1	9.2	0.9	1.1	2.50	.917	2.25	None	20.70	411.43	5160.92
SBR60-2243	375.6-376.6	65605	5.3	.4	93.2	1.1	13.9	1.0	.8	2.40	.912	2.40	None	33.36	413.83	5194.28
SBR60-2244	376.6-377.7	65606	14.0	1.0	82.3	2.7	36.5	1.1	2.4	2.06	.917	2.27	None	82.85	416.10	5277.13
SBR60-2245	377.7-379	65607	7.8	.3	90.3	1.6	20.7	1.3	1.7	2.28	.905	2.96	None	61.27	419.06	5338.40
SBR60-2246	379 -380.2	65608	6.4	.4	91.8	1.4	17.0	1.2	.8	2.35	.909	2.92	None	47.94	421.88	5386.34
SBR60-2247	380.2-381	65609	15.2	.8	81.6	2.4	39.7	0.8	1.9	2.01	.915	1.61	Slight	63.92	423.49	5450.26
SBR60-2248	381 -382.1	65610	11.1	.4	86.4	2.1	29.2	1.1	2.1	2.16	.908	2.38	None	69.50	425.87	5519.76
SBR60-2249	382.1-382.7	65611	19.1	1.0	75.9	4.0	50.6	1.6	2.4	1.88	.906	3.01	Medium	152.31	428.88	5672.07

a - Specific gravity estimated due to insufficient oil.

Core samples received October 21, 1959; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Skyline Oil Company's Skyline-Robertson corehole No. 2, drilled 264 feet East of West line,
2,366.7 feet North of South line, sec. 16, T. 11 S., R. 25 E., Uintah County, Utah

Surface elevation 5,904.8 feet

Mahogany marker 371.8 feet

		Yield of product					Specific gravity			Properties of spent shale					
		Weight percent		Gal. per ton			of oil at			Tendency to					
Sample number	Run			Spent	Gas +				560°/60° F.						
Laramie	Thier	No.	Oil	Water	shale	loss	Oil	Water	560°/60° F.	FX54	FX54	FX54	FX54	FX54	
SBR60-2250	382.7-383.7	65637	36.1	0.7	55.3	7.9	98.1	1.0	1.7	1.43	Heavy	135.99	430.31	5808.06	
SBR60-2251	383.7-384.6	65613	29.7	1.3	63.2	5.8	78.8	0.9	3.2	1.59	Heavy	112.68	431.74	5920.74	
SBR60-2252	384.6-385.6	65614	22.2	1.0	72.3	4.8	58.6	1.0	2.4	1.79	Heavy	104.89	433.53	6025.63	
SBR60-2253	385.6-386.7	65615	17.8	.7	78.0	3.5	47.1	1.1	1.7	1.93	Medium	99.85	435.65	6125.49	
SBR60-2254	386.7-387.7	65616	21.8	1.1	73.0	4.1	57.0	1.0	2.6	1.81	Medium	103.17	437.46	6228.65	
SBR60-2255	387.7-388.8	65617	8.9	.7	88.5	1.9	23.1	1.0	1.7	2.25	Slight	51.97	439.71	6280.12	
SBR60-2256	388.8-389.8	65618	6.9	.6	90.6	1.9	17.9	1.0	1.4	2.33	Slight	41.71	442.04	6322.33	
SBR60-2257	389.8-390.8	65619	8.7	.4	88.9	2.0	22.8	1.0	1.1	2.25	Slight	51.30	444.29	6373.63	
SBR60-2258	390.8-392.0	65620	11.5	.4	85.8	2.3	30.0	1.2	1.1	2.14	Slight	77.10	446.86	6450.73	
SBR60-2259	392.0-393.0	65621	6.4	.2	92.0	1.4	16.6	1.0	.6	2.35	None	39.01	449.21	6489.74	
SBR60-2260	393.0-393.7	65622	6.9	.3	91.3	1.5	18.1	0.7	.7	2.33	None	29.50	450.84	6519.24	
SBR60-2261	393.7-394.9	65623	15.5	.7	81.2	2.6	40.7	1.2	1.6	2.00	Medium	97.68	453.24	6616.92	
SBR60-2262	394.9-395.9	65624	11.9	.7	85.2	2.2	31.8	1.0	2.6	2.11	Slight	67.10	455.35	6684.02	
SBR60-2263	395.9-396.5	65625	17.0	.9	79.4	2.7	44.4	0.6	2.2	1.96	Slight	52.39	456.53	6736.41	
SBR60-2264	396.5-397.3	65626	7.7	.5	90.4	1.4	20.8	0.8	1.8	2.28	None	37.86	459.35	6774.27	
SBR60-2265	397.3-399.5	65627	15.5	.8	81.0	2.7	41.0	2.2	1.9	2.00	Medium	180.40	462.75	6954.67	
SBR60-2266	399.5-400.7	65628	6.2	.4	91.9	1.5	16.2	1.2	2.0	2.36	None	45.85	465.58	7000.52	
SBR60-2267	400.7-403.0	65629	17.7	1.0	78.0	3.3	48.7	1.3	2.4	1.90	Medium	120.29	468.05	7120.81	
SBR60-2268	403.0-404.4	65630	4.3	.4	94.1	1.2	11.2	1.4	.8	2.46	None	38.53	471.49	7159.34	
SBR60-2269	404.4-405.4	65631	9.4	.4	88.8	1.4	25.0	1.0	.8	2.22	Slight	55.50	473.71	7214.94	
SBR60-2270	405.4-407.2	65632	14.1	.4	83.1	2.4	37.3	1.8	1.0	2.05	Slight	137.64	477.40	7352.48	
SBR60-2271	407.2-408.4	65633	6.9	.4	91.1	1.6	18.4	1.2	.8	2.33	None	51.52	480.20	7404.00	
SBR60-2272	408.4-409.9	65634	15.2	.7	81.4	2.7	40.2	1.5	2.7	2.01	Medium	121.00	483.21	7525.00	
SBR60-2273	409.9-410.9	65635	7.0	.5	90.9	1.6	18.5	1.0	1.1	2.32	None	42.92	485.53	7567.92	
SBR60-2274	410.9-412.5	65636	4.7	.4	93.3	1.6	12.2	1.6	.8	2.44	None	47.58	489.43	7615.50	
SBR60-2275	412.5-413.4	65638	4.7	.5	93.0	1.8	12.2	0.9	1.1	2.44	None	26.84	491.63	7642.34	
SBR60-2276	413.4-414.3	65639	9.1	.8	87.9	2.2	23.7	0.9	1.8	2.33	None	49.77	493.73	7692.11	
SBR60-2277	414.3-417.0	65640	3.6	.9	94.1	1.4	9.4	2.7	2.0	2.49	None	63.17	500.45	7755.28	
SBR60-2278	417.0-418.3	65641	2.2	.5	96.2	1.1	5.6	1.3	1.3	2.56	None	18.65	503.78	7773.93	
SBR60-2279	418.3-419.4	65642	4.6	.5	93.6	1.3	12.1	1.1	1.2	2.44	None	32.43	506.46	7806.36	

Core samples received October 21, 1959; assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-3168P

March 28, 1960

OIL-SHALE ASSAYS BY MODIFIED FISCHER REPORT METHOD

Samples from Skyline Oil Company's Skyline-Robertson corehole No. 2, drilled 264 feet East of West line,
2,366.7 feet North of South line, sec. 16, T. 11 S., R. 25 E., Uintah County, Utah

Surface elevation 5,904.8 feet

Mahogany marker 371.8 feet

Sample number	Run No.	Yield of product		Specific gravity of oil at 60°/60°	Properties of spent shale		Tendency to	Remarks	Cum.
		Weight percent	Gal. per ton		Oil	Water			
Laramie	Their	Oil	Water	Spent shale	Gas + loss	Oil	Water	Spent shale	Gas + loss
SBR60-2280	419.4-420.5	65643	5.1	2.0	91.5	1.4	13.1	1.1	4.8
SBR60-2281	420.5-421.9	65644	7.7	.6	89.6	2.1	19.9	1.4	1.6
SBR60-2282	421.9-423.4	65649	2.8	.6	95.7	.9	7.2	1.5	1.6
SBR60-2283	423.4-424.1	65650	5.7	.9	91.9	1.5	14.9	0.7	2.0
SBR60-2284	424.1-425.2	65651	11.5	.7	85.9	1.9	29.7	1.1	1.7
SBR60-2285	425.2-426.0	65652	1.4	.6	97.3	.7	3.8	0.8	1.4
SBR60-2286	426.0-426.8	65653	3.2	.4	95.3	1.1	8.2	0.8	1.0
SBR60-2287	426.8-427.5	65654	2.6	.8	95.9	.7	6.7	0.7	1.2
SBR60-2288	427.5-429.0	65655	7.2	1.4	89.9	1.5	18.8	1.5	3.4
SBR60-2289	429.0-429.9	65656	7.3	3.0	88.7	1.0	18.8	0.9	7.2
SBR60-2290	429.9-431.9	65657	7.1	1.1	90.1	1.7	18.5	2.0	2.6
SBR60-2291	431.9-433.9	65658	2.1	.8	96.2	.9	5.5	1.8	.931
SBR60-2292	433.9-435.4	65659	2.7	.7	95.4	1.2	7.0	1.7	.937
SBR60-2293	435.4-437.4	65660	2.4	1.1	95.3	1.2	6.1	2.6	.935
SBR60-2294	437.4-439.0	65661	1.6	1.1	95.5	1.8	4.0	2.6	.925
SBR60-2295	439.0-441.0	65662	2.1	1.5	95.7	.7	5.5	3.6	.913
SBR60-2296	441.0-443.0	65663	.7	1.5	97.5	.3	1.9	3.6	.913
SBR60-2297	443.0-445.0	65664	2.4	1.0	95.8	.8	6.3	2.4	.913
SBR60-2298	445.0-447.0	65665	1.0	.6	97.2	1.2	2.7	1.4	.913
SBR60-2299	447.0-449.0	65666	1.4	.3	97.7	.6	3.6	.7	.913
SBR60-2300	449.0-451.0	65667	.2	.6	98.6	.6	.6	1.3	.913
SBR60-2301	451.0-452.5	65668	.6	.4	98.4	.6	1.6	1.0	.913
SBR60-2302	452.5-455.0	65669	.3	.7	98.5	.5	.8	1.7	.913

a - Specific gravity estimated due to insufficient oil.

Core samples received October 21, 1959; assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-3166P

March 28, 1960