

OIL SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from El Paso Natural Gas Company's Jack Canyon Unit, No. 4 Well, located in the center of the NW 1/4, SE 1/4, Sec. 33, T. 12 S., R. 16 E., Carbon County, Utah

Starting (ground) elevation 7,228 feet

Mahogany Marker		6713'		Yield of product				Specific gravity		Properties of spent shale		Remarks
Sample number		Run No.	Weight percent		Spent shale	Gas + loss	Gal. per ton		of oil at 60°/60° F.	Tendency to coke		
Laramie	Their		Oil	Water			Oil	Water				
SBF55-1825	165-172	37086	2.8	2.1	94.3	0.3	7.2	5.0	0.922	None		
SBF55-1826	172-180	37087	2.6	2.1	94.6	.7	6.6	5.0	.924	None		
SBF55-1827	180-187	37088	2.2	2.1	95.0	.7	5.8	5.0	.922	None		
SBF55-1828	187-195	37089	2.2	1.8	95.1	.9	5.7	4.3	.924	None		
SBF55-1829	195-205	37090	2.5	1.7	94.9	.9	6.4	4.1	.929	None		
SBF55-1830	205-215	37091	2.3	2.2	94.5	1.0	5.9	5.3	.931	None		
SBF55-1831	215-223	37092	2.2	2.5	94.1	1.2	5.8	6.0	.926	None		
SBF55-1832	223-230	37093	2.4	2.3	94.2	1.1	6.2	5.5	.916	None		
SBF55-1833	230-240	37094	3.6	2.0	93.0	1.4	9.4	4.8	.919	None		
SBF55-1834	240-245	37095	3.5	2.0	93.2	1.3	9.3	4.8	.917	None		
SBF55-1835	245-252	37096	2.7	2.0	94.4	.9	7.0	4.8	.918	None		
SBF55-1836	252-260	37097	1.5	1.8	96.0	.7	3.8a	4.3		None		
SBF55-1837	260-265	37098	1.5	1.5	96.3	.7	3.8a	3.6		None		
SBF55-1838	265-272	37099	1.4	2.0	96.2	.4	3.5a	4.8		None		
SBF55-1839	272-277	37100	.6	1.2	97.9	.3	1.5a	3.0		None		
SBF55-1840	277-282	37101	.3	2.1	97.2	.4	.8a	5.0		None		
SBF55-1841	282-290	37102	2.7	2.1	94.1	1.1	7.0	5.0	.929	None		
SBF55-1842	290-300	37103	1.5	2.3	95.5	.7	3.8a	5.5		None		
SBF55-1843	300-310	37104	2.4	2.3	94.3	1.0	6.3	5.5	.920	None		
SBF55-1844	310-320	37105	.5	1.7	97.2	.6	1.3a	4.1		None		
SBF55-1845	320-330	37106	1.8	2.6	94.7	.9	4.4a	6.4		None		
SBF55-1846	330-335	37107	2.1	2.0	95.3	.6	5.6	4.8	.917	None		
SBF55-1847	340-345	37108	.6	2.4	96.7	.3	1.5a	5.9		None		
SBF55-1848	345-350	37109	.7	2.4	96.5	.4	1.7a	5.8		None		
SBF55-1849	350-355	37110	2.8	2.2	94.4	.6	7.3	5.2	.914	None		
SBF55-1850	355-360	37111	2.7	2.0	94.6	.7	7.0	4.8	.922	None		
SBF55-1851	360-365	37112	.6	1.8	97.3	.3	1.5a	4.2		None		
SBF55-1852	365-370	37113	.7	1.8	97.1	.4	1.7a	4.3		None		
SBF55-1853	370-375	37114	.8	1.8	96.8	.6	2.1a	4.2		None		
SBF55-1854	375-380	37115	1.2	1.4	97.0	.4	3.1a	3.4		None		

a - Estimated

Drill cuttings received April 11, 1955; assays made on air-dried samples.

Petroleum and Oil-Shale Experiment Station, Laramie, Wyoming, Illustration No. SBR-1511P April 26, 1955

OIL SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from El Paso Natural Gas Company's Jack Canyon Unit, No. 4 Well, located in the center of the NW 1/4,
SE 1/4, Sec. 33, T. 12 S., R. 16 E., Carbon County, Utah

Starting (ground) elevation 7,228 feet

			Yield of product					Specific gravity of oil at 60°/60° F.	Properties of spent shale		Remarks
Sample number		Run No.	Weight percent		Spent shale	Gas + LOSS	Gal. per ton		Tendency to coke		
			Oil	Water			Oil			Water	
Laramie	Their										
SBR55-1855	380-385	37116	2.9	1.8	94.8	0.5	7.5	4.3	0.920	None	
SBR55-1856	385-390	37117	3.1	2.1	94.0	.8	8.2	5.0	.922	None	
SBR55-1857	390-395	37118	4.7	2.0	92.3	1.0	12.2	4.8	.915	None	
SBR55-1858	395-400	37119	4.0	2.1	92.9	1.0	10.4	5.0	.917	None	
SBR55-1859	400-405	37120	.3	.7	98.9	.1	.9a	1.6		None	
SBR55-1860	405-410	37121	.4	.5	98.9	.2	.9a	1.3		None	
SBR55-1861	410-415	37122	1.2	1.9	96.5	.4	2.9a	4.6		None	
SBR55-1862	415-420	37123	1.2	1.6	96.8	.4	3.0a	3.8		None	
SBR55-1863	420-425	37124	1.2	1.5	97.1	.2	2.9a	3.6		None	
SBR55-1864	425-430	37125	3.5	.7	95.2	.6	9.2	1.7	.916	None	
SBR55-1865	430-435	37210	.2	1.9	97.3	.6	.6a	4.6		None	
SBR55-1866	435-440	37211	.1	2.1	97.6	.2	.2a	5.0		None	
SBR55-1867	440-445	37212	.6	.7	98.6	.1	1.6a	1.6		None	
SBR55-1868	445-450	37213	.7	.7	98.5	.1	1.8a	1.6		None	
SBR55-1869	450-455	37214	.5	1.1	98.2	.2	1.2a	2.6		None	
SBR55-1870	455-460	37215	.6	1.1	98.3	.0	1.4a	2.6		None	
SBR55-1871	460-465	37216	.2	.9	98.4	.5	.5a	2.3		None	
SBR55-1872	465-470	37217	.2	1.0	98.4	.4	.6a	2.2		None	
SBR55-1873	470-475	37218	.3	.8	98.7	.2	.7a	2.0		None	
SBR55-1874	475-480	37219	.3	.9	98.4	.4	.7a	2.3		None	
SBR55-1875	480-485	37220	.0	2.2	97.4	.4	None	5.3		None	
SBR55-1876	485-490	37221	.0	2.2	97.4	.4	None	5.2		None	
SBR55-1877	490-495	37222	2.2	1.3	95.6	.9	5.7	3.2	.916	None	
SBR55-1878	495-500	37223	2.4	1.3	95.4	.9	6.3	3.0	.919	None	
SBR55-1879	500-505	37224	3.2	1.0	95.1	.7	8.6	2.3	.903	None	
SBR55-1880	505-510	37225	4.2	1.5	93.6	.7	8.6	3.6	.907	None	
SBR55-1881	510-515	37226	3.9	1.4	94.0	.7	7.9	3.4	.906	None	
SBR55-1882	515-520	37227	8.2	1.2	88.9	1.7	21.6	2.9	.911	None	
SBR55-1883	520-525	37228	7.7	1.4	89.1	1.3	20.3	3.4	.911	None	
SBR55-1884	525-530	37229	6.1	1.2	91.6	1.1	16.2	2.9	.900	None	

a - Estimated

Drill cuttings received April 11, 1955; assays made on air-dried samples.

Petroleum and Oil-Shale Experiment Station, Laramie, Wyoming, Illustration No. SBR-1542P April 26, 1955

OIL SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from El Paso Natural Gas Company's Jack Canyon Unit, No. 4 Well, located in the center of the NW 1/4, SE 1/4, Sec. 33, T. 12 S., R. 16 E., Carbon County, Utah

Starting (ground) elevation 7,228 feet

Sample number		Run No.	Yield of product				Cal. per ton		Specific gravity of oil at 60°/60° F.	Properties of spent shale		Remarks
			Weight percent		Spent shale	Gas + loss				Tendency to	coke	
Laramie	Their	Oil	Water	Oil			Water					
SBR55-1885	530-535	37230	3.6	1.3	94.2	.9	9.5	3.1	.904	None		
SBR55-1886	535-540	37231	3.0	1.4	95.0	.6	7.8	3.4	.909	None		
SBR55-1887	540-545	37232	3.2	1.2	94.9	.7	8.4	2.9	.904	None		
SBR55-1888	545-550	37233	3.1	1.3	94.9	.7	8.2	3.1	.904	None		
SBR55-1889	550-555	37234	2.7	1.4	95.3	.6	7.2	3.4	.901	None		
SBR55-1890	555-560	37235	1.2	1.0	97.4	.4	3.0a	2.3		None		
SBR55-1891	560-565	37236	.3	1.8	97.9	.0	.7a	4.3		None		
SBR55-1892	565-570	37237	.3	2.0	97.5	.2	.7a	4.9		None		
SBR55-1893	570-575	37238	.1	2.4	97.1	.4	.3a	5.6		None		
SBR55-1894	575-580	37239	.3	2.3	97.2	.2	.8a	5.5		None		
SBR55-1895	580-585	37240	2.4	1.1	95.8	.7	6.3	2.6	.914	None		
SBR55-1896	585-590	37241	2.5	1.2	95.8	.5	6.4	2.9	.915	None		
SBR55-1897	590-595	37242	.7	1.4	97.6	.3	1.6a	3.4		None		
SBR55-1898	595-600	37243	.3	1.5	97.9	.3	.7a	3.6		None		
SBR55-1899	600-605	37244	.1	1.2	98.3	.4	.3a	2.9		None		
SBR55-1900	605-610	37245	.0	1.1	98.6	.3	None	2.6		None		
SBR55-1901	610-615	37246	.0	1.7	98.2	.1	None	4.1		None		
SBR55-1902	615-620	37247	.0	1.7	97.9	.4	None	4.1		None		
SBR55-1903	620-625	37248	.0	1.1	98.9	.0	None	2.5		None		
SBR55-1904	625-630	37249	.0	1.2	98.7	.1	None	2.9		None		
SBR55-1905	630-635	37250	.0	1.4	98.6	.0	None	3.4		None		
SBR55-1906	635-640	37251	.0	.9	99.1	.0	None	2.0		None		
SBR55-1907	640-645	37252	.0	.9	99.1	.0	None	2.0		None		
SBR55-1908	645-650	37253	.9	.9	97.8	.4	2.3a	2.3		None		
SBR55-1909	650-655	37254	1.0	1.1	97.6	.3	2.4a	2.6		None		
SBR55-1910	655-660	37255	.7	.8	98.2	.3	1.8a	1.9		None		
SBR55-1911	660-665	37256	1.5	1.1	97.0	.4	3.7a	2.6		None		
SBR55-1912	665-670	37257	1.3	1.4	96.7	.6	3.9a	3.2		None		
SBR55-1913	670-675	37258	2.5	2.0	94.7	.8	6.0	4.8	.893	None		
SBR55-1914	675-680	37259	2.2	1.9	95.1	.8	5.9	4.6	.890	None		

a - Estimated

Drill cuttings received April 11, 1955; assays made on air-dried samples.

Petroleum and Oil-Shale Experiment Station, Laramie, Wyoming, Illustration No. SBR-1543P April 26, 1955

OIL SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from El Paso Natural Gas Company's Jack Canyon Unit, No. 4 Well, located in the center of the NW 1/4,
SE 1/4, Sec. 33, T. 12 S., R. 16 E., Carbon County, Utah

Starting (ground) elevation 7,228 feet

Sample number			Run No.	Yield of product				Gal. per ton		Specific gravity of oil at 60°/60° F.	Properties of spent shale Tendency to coke	Remarks
Laramie	Their	Weight percent		Spent shale	Gas + loss							
SBR55-1915	680-685	37260	3.2	1.6	94.3	0.9	8.1	3.8	0.904	None		
SBR55-1916	685-690	37261	3.5	1.4	94.1	1.0	9.2	3.5	.906	None		
SBR55-1917	690-695	37262	1.8	1.3	96.2	.7	4.6a	3.0		None		
SBR55-1918	695-700	37263	1.7	1.1	96.4	.8	4.4a	2.6		None		
SBR55-1919	700-705	37264	2.2	.9	96.2	.7	5.6	2.2	.925	None		
SBR55-1920	705-710	37265	1.0	1.0	97.6	.4	2.5a	2.4		None		
SBR55-1921	710-715	37266	1.0	1.1	97.4	.5	2.6a	2.6		None		
SBR55-1922	715-720	37267	1.0	1.1	97.2	.7	2.5a	2.6		None		
SBR55-1923	720-725	37268	1.1	.8	97.6	.5	2.9a	1.8		None		
SBR55-1924	725-730	37269	1.1	.7	97.8	.4	2.7a	1.7		None		
SBR55-1925	730-735	37270	.3	1.3	98.0	.4	.7a	3.1		None		
SBR55-1926	735-740	37271	.3	1.3	97.8	.6	.8a	3.1		None		
SBR55-1927	740-745	37272	.0	1.6	98.0	.4	None	3.8		None		
SBR55-1928	745-750	37273	.0	1.3	98.4	.3	None	3.1		None		
SBR55-1929	750-755	37274	.0	2.5	97.4	.1	None	6.0		None		
SBR55-1930	755-760	37275	.0	2.5	96.8	.7	None	5.9		None		
SBR55-1931	760-765	37276	.0	1.8	98.1	.1	None	4.2		None		
SBR55-1932	765-770	37277	.0	1.7	98.1	.2	None	4.1		None		
SBR55-1933	770-775	37278	.3	.6	98.9	.2	.9a	1.4		None		
SBR55-1934	775-780	37279	.4	.6	98.7	.3	.9a	1.6		None		
SBR55-1935	780-785	37280	.0	2.1	97.6	.3	None	5.0		None		
SBR55-1936	785-790	37281	.0	2.0	97.9	.1	None	4.7		None		
SBR55-1937	790-795	37282	.0	1.8	98.1	.1	None	4.3		None		
SBR55-1938	795-800	37283	.0	1.8	98.0	.2	None	4.3		None		

a - Estimated

Drill cuttings received April 11, 1955; assays made on air-dried samples.

Petroleum and Oil-Shale Experiment Station, Laramie, Wyoming, Illustration No. SBR-1544P April 26, 1955