

U-24

SW 1/4 NE 1/4

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's core hole No. 1, located 2800 feet N., 1500 feet W. of SE corner,
Sec. 2, T. 10 S., R. 24 E., Uintah County, Utah

Surface elevation 5,035 feet

Mahogany marker not reached ^{b/}

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	Their		Oil	Water					Oil	Water	
SBR56-1862	75- 76	43978	1.5	1.1	97.0	0.4	3.9a	2.6		None	
SBR56-1863	76- 77	43979	1.4	.9	97.4	.3	3.4a	2.2		None	
SBR56-1864	77- 78	43980	1.3	.8	97.6	.3	3.2a	1.9		None	
SBR56-1865	78- 79	43985	.9	.9	97.9	.3	2.1a	2.2		None	
SBR56-1866	79- 80	43986	.6	1.1	97.9	.4	1.5a	2.6		None	
SBR56-1867	80- 81	43987	.6	.5	98.5	.4	1.4a	1.3		None	
SBR56-1868	81- 82	43988	.1	.9	98.6	.4	.3a	2.2		None	
SBR56-1869	92- 93	43989	.4	.4	99.0	.2	1.1a	.8		None	
SBR56-1870	93- 94	43990	.0	.3	99.5	.2	None	.7		None	
SBR56-1871	94- 95	43991	.4	.7	98.5	.4	.9a	1.8		None	
SBR56-1872	95- 96	43992	.6	1.3	97.8	.3	1.6a	3.0		None	
SBR56-1873	96- 97	43993	.6	1.8	97.3	.3	1.5a	4.3		None	
SBR56-1874	97- 98	43994	1.0	1.3	97.0	.7	2.4a	3.1		None	
SBR56-1875	98- 99	43995	.9	1.6	97.0	.5	2.2a	3.8		None	
SBR56-1876	99-100	43996	.7	1.0	97.8	.5	1.7a	2.4		None	
SBR56-1877	100-101	43997	.1	1.1	98.0	.8	.1a	2.6		None	
SBR56-1878	101-102	43998	.1	.6	98.9	.4	.3a	1.4		None	
SBR56-1879	102-103	43999	.1	.6	98.8	.5	.2a	1.4		None	
SBR56-1880	103-104	44000	.2	.4	99.2	.2	.4a	1.0		None	
SBR56-1881	104-105	43001	.3	.5	99.1	.1	.8a	1.2		None	
SBR56-1882	105-106	43002	.3	.8	98.5	.4	.6a	1.9		None	
SBR56-1883	106-107	43003	.3	1.2	98.2	.3	.7a	2.9		None	
SBR56-1884	107-108	43004	.0	1.4	98.5	.1	Trace	3.4		None	
SBR56-1885	108-109	43005	.0	1.6	98.2	.2	Trace	3.7		None	
SBR56-1886	109-110	43006	.0	1.3	98.6	.1	Trace	3.1		None	
SBR56-1887	110-111	43007	.0	1.9	97.7	.4	None	4.6		None	
SBR56-1888	111-112	43008	.0	1.7	97.7	.6	None	4.1		None	
SBR56-1889	112-113	43009	.0	1.7	98.1	.2	Trace	4.1		None	
SBR56-1890	113-114	43010	.9	1.7	97.2	.2	2.2a	4.1		None	
SBR56-1891	114-115	43011	.7	1.5	97.7	.1	1.8a	3.5		None	

a - Estimated.

b/ According to Mr. H. D. Curry, the Mahogany marker is about 6 feet below bottom of hole.

Core samples received December 12, 1955; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's core hole No. 1, located 2800 feet N., 1500 feet W. of SE corner,
Sec. 2, T. 10 S., R. 24 E., Uintah County, Utah

Surface elevation 5,035 feet

Mahogany marker not reached

			Yield of product						Specific gravity of oil at 60°/60°F.	Properties of	Remarks
Sample number		Run No.	Weight percent			Gas + loss	Gal. per ton			Tendency to coke	
			Oil	Water	Spent shale		Oil	Water			
Laramie	Their										
SBR56-1892	115-116	44.012	0.4	1.7	97.3	0.6	1.1a	4.1		None	
SBR56-1893	116-117	44.013	.0	1.7	97.8	.5	Trace	4.1		None	
SBR56-1894	117-118	44.014	.0	1.6	98.0	.4	Trace	3.8		None	
SBR56-1895	118-119	44.015	.1	1.5	97.9	.5	.2a	3.7		None	
SBR56-1896	119-120	44.016	.2	1.7	97.6	.5	.4a	4.1		None	
SBR56-1897	120-121	44.017	.9	1.5	97.2	.4	2.3a	3.6		None	
SBR56-1898	121-122	44.018	.5	1.7	97.4	.4	1.1a	4.1		None	
SBR56-1899	122-123	44.019	.7	1.6	97.1	.6	1.8a	3.8		None	
SBR56-1900	123-124	44.020	1.1	2.1	96.3	.5	2.7a	5.0		None	
SBR56-1901	124-125	44.021	1.2	2.2	95.9	.7	3.0a	5.3		None	
SBR56-1902	125-126	44.022	1.2	2.2	95.8	.8	3.1a	5.3		None	
SBR56-1903	126-127	44.023	1.4	2.0	96.1	.5	3.5a	4.8		None	
SBR56-1904	127-128	44.024	1.1	2.2	96.0	.7	2.3a	5.3		None	
SBR56-1905	128-129	44.025	1.3	1.5	96.3	.4	4.4a	3.6		None	
SBR56-1906	129-130	44.026	1.1	1.2	97.4	.3	2.8a	2.9		None	
SBR56-1907	130-131	44.027	.8	.6	98.3	.3	1.9a	1.6		None	
SBR56-1908	131-132	44.028	1.3	1.2	97.0	.5	3.2a	3.0		None	
SBR56-1909	132-133	44.029	.2	.4	99.3	.1	.6a	.8		None	
SBR56-1910	133-134	44.030	.5	.8	98.4	.3	1.2a	.2		None	
SBR56-1911	134-135	44.031	.5	1.2	97.9	.4	1.4a	2.9		None	
SBR56-1912	135-136	44.032	.3	1.7	97.6	.4	.7a	4.1		None	
SBR56-1913	136-137	44.033	.6	1.7	97.5	.2	1.4a	4.1		None	
SBR56-1914	137-138	44.034	.3	1.0	98.4	.3	.8a	2.4		None	
SBR56-1915	138-139	44.035	.4	.6	89.9	.1	1.0a	1.4		None	
SBR56-1916	139-140	44.036	.6	1.1	98.0	.3	1.4a	2.8		None	
SBR56-1917	140-141	44.037	.1	1.5	98.0	.4	.3a	3.6		None	
SBR56-1918	141-142	44.038	.3	1.4	97.9	.4	.7a	3.4		None	
SBR56-1919	142-143	44.039	.3	1.4	97.8	.5	.7a	3.4		None	
SBR56-1920	143-144	44.040	1.4	1.5	96.6	.5	3.5a	3.6		None	
SBR56-1921	144-145	44.041	2.6	1.2	95.3	.9	6.6	2.9	0.948	None	

a - Estimated

Core samples received December 12, 1955; assays made on air-dried samples.

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Samples from Shell Oil Company's core hole No. 1, located 2800 feet N., 1500 feet W. of SE corner,
Sec. 2, T. 10 S., R. 24 E., Uintah County, Utah

Surface elevation 5,035 feet

Mahogany marker not reached

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				Tendency to		
Laramie	Their			Oil	Water					Oil	Water		coke
SBR56-1922	145	-146	44042	2.2	1.5	95.3	1.0	5.6	3.6	0.945	None		
SBR56-1923	146	-147	44043	2.1	1.4	95.8	.7	5.4	3.4	.943	None		
SBR56-1924	147	-148	44044	2.3	1.4	95.6	.7	5.7	3.4	.947	None		
SBR56-1925	148	-149	44045	2.2	1.4	95.7	.7	5.6	3.4	.944	None		
SBR56-1926	149	-150	44046	1.5	1.6	96.2	.7	3.7a	3.8		None		
SBR56-1927	150	-151	44047	1.9	1.4	95.8	.9	4.7a	3.4		None		
SBR56-1928	151	-152	44048	1.8	1.4	95.8	1.0	4.4a	3.4		None		
SBR56-1929	152	-153	44049	1.5	1.5	96.2	.8	3.8a	3.6		None		
SBR56-1930	153	-154	44050	.9	1.7	96.9	.5	2.4a	4.1		None		
SBR56-1931	154	-155	44051	.8	1.3	97.5	.4	2.1a	3.0		None		
SBR56-1932	155	-156	44052	.1	.6	99.1	.2	.2a	1.4		None		
SBR56-1933	156	-157	44053	.5	.8	97.6	1.1	1.2a	2.0		None		
SBR56-1934	157	-158	44054	1.8	2.1	95.1	1.0	4.6a	5.0		None		
SBR56-1935	158	-159	44055	1.8	2.0	95.3	.9	4.4a	4.8		None		
SBR56-1936	159	-160	44056	1.4	2.0	95.9	.7	3.6a	4.7		None		
SBR56-1937	160	-161	44065	1.6	1.6	96.2	.6	4.1a	3.7		None		
SBR56-1938	161	-162	44066	1.4	1.7	96.4	.5	3.4a	4.1		None		
SBR56-1939	162	-163	44067	1.5	2.1	95.7	.7	3.7a	5.0		None		
SBR56-1940	163	-164	44068	1.5	1.9	96.2	.4	3.7a	4.6		None		
SBR56-1941	164	-165	44069	1.4	1.9	96.5	.2	3.6a	4.6		None		
SBR56-1942	165	-166	44070	2.2	1.3	96.0	.5	5.5	3.1	.937	None		
SBR56-1943	166	-167	44071	2.7	1.0	95.8	.5	6.8	2.4	.937	None		
SBR56-1944	167	-168	44072	2.3	1.3	96.0	.4	6.0	3.1	.934	None		
SBR56-1945	168	-168.5	44057	2.2	1.2	96.2	.4	5.6	2.9	.936	None		
SBR56-1946	168.5	-169	44058	2.2	1.2	96.2	.4	5.8	2.9	.934	None		
SBR56-1947	169	-170	44059	2.4	1.1	96.0	.5	6.2	2.6	.937	None		
SBR56-1948	170	-171	44060	1.9	1.6	96.0	.5	4.9	3.8	.942	None		
SBR56-1949	171	-172	44061	1.8	1.5	96.3	.4	4.4a	3.6		None		
SBR56-1950	172	-173	44062	1.5	1.7	96.4	.4	3.7a	4.1		None		
SBR56-1951	173	-174	44063	1.5	1.7	96.2	.6	3.8a	4.1		None		

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Surface elevation 5,035 feet

Mahogany marker not reached

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				Tendency to coke	
Laramie	Thier			Oil	Water					Oil		Water
SER56-1952	174	-175	44064	1.9	1.3	96.3	0.5	4.9a	3.1	0.936	None	
SER56-1953	175	-176	44073	2.1	1.1	96.0	.8	5.4	2.6		None	
SER56-1954	176	-177	44074	2.1	1.1	96.0	.8	5.4	2.6		None	
SER56-1955	177	-178	44075	1.1	1.3	97.5	.1	2.8a	3.1	.936	None	
SER56-1956	178	-178.5	44076	1.2	1.4	97.0	.4	3.1a	3.4		None	
SER56-1957	178.5	-179	44077	1.4	1.8	96.2	.6	3.6a	4.3		None	
SER56-1958	179	-180	44078	2.1	1.2	96.1	.6	5.3	2.9	.938	None	
SER56-1959	180	-181	44079	2.9	1.4	94.5	1.2	7.4	3.4	.944	None	
SER56-1960	181	-182	44080	3.3	1.5	94.0	1.2	8.3	3.6	.946	None	
SER56-1961	182	-183	44081	3.0	1.4	95.0	.6	7.6	3.4	.944	None	
SER56-1962	183	-184	44082	2.4	1.5	95.7	.4	6.1	3.6	.939	None	
SER56-1963	184	-185	44083	2.2	.8	96.4	.6	5.6	2.0	.918	None	
SER56-1964	185	-186	44084	2.3	1.4	95.6	.7	5.8	3.4	.940	None	
SER56-1965	186	-187	44085	2.1	1.3	96.2	.4	5.3	3.1	.933	None	
SER56-1966	187	-188	44086	2.0	1.8	95.5	.7	5.0	4.3	.932	None	
SER56-1967	188	-189	44087	2.3	1.4	95.8	.5	5.9	3.4	.933	None	
SER56-1968	189	-190	44088	2.4	1.7	95.3	.6	6.0	4.1	.945	None	
SER56-1969	190	-191	44089	2.5	1.4	96.0	.1	6.2	3.4	.948	None	
SER56-1970	191	-192	44090	2.8	1.5	95.2	.5	7.0	3.7	.949	None	
SER56-1971	192	-193	44091	2.3	1.4	95.8	.5	5.8	3.5	.941	None	
SER56-1972	193	-194	44092	2.4	1.6	95.6	.4	6.1	3.7	.946	None	
SER56-1973	194	-195	44093	2.1	1.6	95.6	.7	5.4	3.8	.945	None	
SER56-1974	195	-196	44094	2.3	1.7	95.3	.7	5.8	4.1	.948	None	
SER56-1975	196	-197	44095	2.0	1.8	95.8	.4	5.1	4.3	.952	None	
SER56-1976	197	-198	44096	2.2	1.7	95.2	.9	5.6	4.1	.948	None	
SER56-1977	198	-199	44097	2.1	1.8	95.1	1.0	5.4	4.2	.948	None	
SER56-1978	199	-200	44098	2.1	1.8	95.2	.9	5.3	4.3	.946	None	
SER56-1979	200	-201	44099	2.5	1.8	94.5	1.2	6.4	4.2	.948	None	
SER56-1980	201	-202	44100	2.8	1.7	94.7	.8	6.9	4.1	.956	None	
SER56-1981	202	-203	44101	2.5	1.7	94.7	1.1	6.3	4.2	.947	None	

a - Estimated.

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Mahogany marker not reached

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			Weight percent		Gas + loss	Gal. per ton			Tendency to		
Laramie	Their		Oil	Water		Spent shale		Oil	Water		coke
SER56-1982	203-204	44102	2.3	1.8	94.8	1.1	5.7	4.4	.949	None	
SER56-1983	204-205	44103	2.3	1.9	94.9	.9	5.9	4.6	.948	None	
SER56-1984	205-206	44104	2.2	1.2	95.6	1.0	5.5	2.9	.947	None	
SER56-1985	206-207	44105	2.9	1.1	95.2	.8	7.3	2.6	.950	None	
SER56-1986	207-208	44106	3.0	1.6	95.0	.4	7.4	3.8	.951	None	
SER56-1987	208-209	44107	3.0	1.6	94.9	.5	7.5	3.8	.951	None	
SER56-1988	209-210	44108	2.1	1.6	95.9	.4	5.4	3.8	.941	None	
SER56-1989	210-211	44109	1.8	1.6	96.2	.4	4.6a	3.8		None	
SER56-1990	211-212	44110	1.7	1.5	96.3	.5	4.3a	3.5		None	
SER56-1991	212-213	44111	1.6	1.4	96.7	.3	4.0a	3.4		None	
SER56-1992	213-214	44112	1.4	1.6	96.3	.7	3.6a	3.8		None	
SER56-1993	214-215	44113	1.1	1.0	97.4	.5	2.8a	2.4		None	
SER56-1994	215-216	44114	4.1	1.1	93.5	1.3	10.5	2.6	.924	None	
SER56-1995	216-217	44115	8.1	1.4	89.5	1.0	20.9	3.4	.928	None	
SER56-1996	217-218	44116	8.3	1.4	88.6	1.7	21.4	3.4	.926	None	
SER56-1997	218-219	44117	3.1	1.1	95.0	.8	7.9	2.6	.949	None	
SER56-1998	219-220	44118	2.8	1.5	95.1	.6	7.0	3.6	.949	None	
SER56-1999	220-221	44119	2.2	1.7	95.2	.9	5.6	4.0	.949	None	
SER56-2000	221-222	44120	2.2	1.8	95.3	.7	5.5	4.3	.943	None	
SER56-2001	222-223	44121	2.0	1.7	95.6	.7	5.0	4.1	.934	None	
SER56-2002	223-224	44122	1.9	1.8	95.8	.5	4.7a	4.3		None	
SER56-2003	224-225	44123	1.9	1.8	95.8	.5	4.7a	4.3		None	
SER56-2004	225-226	44124	6.1	.8	92.0	1.1	16.0	1.8	.921	None	
SER56-2005	226-227	44125	7.7	.6	90.4	1.3	20.3	1.3	.913	None	
SER56-2006	227-228	44126	10.3	.6	87.6	1.5	27.0	1.6	.914	None	
SER56-2007	228-229	44127	11.6	.7	86.1	1.6	30.4	1.7	.915	None	
SER56-2008	229-230	44128	6.8	.5	91.2	1.5	17.7	1.2	.923	None	
SER56-2009	230-231	44129	4.0	.2	95.0	.8	10.4	.4	.929	None	
SER56-2010	231-232	44130	3.5	.2	95.6	.7	9.1	.4	.925	None	
SER56-2011	232-233	44131	3.1	.2	96.2	.5	8.0	.5	.926	None	

a - Estimated.

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			Yield of product						Specific gravity of oil at 60°/60° F.	Properties of spent shale		Remarks
Sample number		Run No.	Weight percent			Gas + loss	Gal. per ton			Tendency to coke		
			Oil	Water	Spent shale		Oil	Water				
Laramie	Their											
SER56-2012	233-234	44132	2.4	0.1	97.0	0.5	6.2	0.4	0.923	None		
SER56-2013	234-235	44133	2.9	.2	96.3	.6	7.5	.6	.923	None		
SER56-2014	235-236	44134	1.3	.2	98.0	.5	3.3a	.4		None		
SER56-2015	236-237	44135	.9	.2	98.4	.5	2.3a	.5		None		
SER56-2016	237-238	44136	3.1	.3	96.0	.6	7.9	.7	.934	None		
SER56-2017	238-239	44137	1.9	.3	97.2	.6	4.8a	.8		None		
SER56-2018	239-240	44138	1.6	.2	97.4	.8	4.1a	.5		None		
SER56-2019	240-241	44139	1.4	.1	98.4	.1	3.3a	.2		None		
SER56-2020	241-242	44140	1.0	.5	98.0	.5	2.6a	1.2		None		
SER56-2021	242-243	44141	1.6	.1	98.0	.3	4.1a	.2		None		
SER56-2022	243-244	44142	2.1	.3	97.1	.5	5.4	.7	.937	None		
SER56-2023	244-245	44143	1.8	.6	96.7	.9	4.6a	1.4		None		
SER56-2024	245-246	44144	2.2	.3	97.0	.5	5.5	.8	.935	None		
SER56-2025	246-247	44145	2.8	.2	96.1	.9	7.1	.5	.949	None		
SER56-2026	247-248	44146	.7	.1	98.6	.6	1.6a	.2		None		
SER56-2027	248-249	44147	.2	.1	99.4	.3	.6a	.2		None		
SER56-2028	249-250	44148	1.0	.1	98.7	.2	2.4a	.2		None		
SER56-2029	250-251	44149	1.3	.1	97.9	.7	3.3a	.2		None		
SER56-2030	251-252	44150	.9	.1	98.5	.5	2.2a	.2		None		
SER56-2031	252-253	44151	Trace	.2	99.4	.4	Trace	.4		None		
SER56-2032	253-254	44152	.2	.1	99.5	.2	.6a	.1		None		
SER56-2033	254-255	44153	.1	.0	99.5	.4	.3a	.0		None		
SER56-2034	255-256	44154	.1	.1	99.7	.1	.2a	.2		None		
SER56-2035	272-273	44155	2.6	.5	96.3	.6	6.7	1.1	.944	None		
SER56-2036	273-274	44156	3.4	.4	96.0	.2	8.7	.8	.944	None		
SER56-2037	274-275	44157	3.0	.1	96.4	.5	7.7	.2	.925	None		
SER56-2038	275-276	44158	2.3	.3	96.7	.7	5.8	.7	.940	None		
SER56-2039	276-277	44159	2.1	.4	96.7	.8	5.4	1.0	.943	None		
SER56-2040	277-278	44160	2.2	.5	96.7	.6	5.5	1.2	.940	None		
SER56-2041	278-279	44161	2.8	.2	96.4	.6	7.2	.4	.942	None		

a - Estimated.

Core samples received December 12, 1955; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's core hole No. 1, located 2800 feet N., 1500 feet W. of SE corner,
Sec. 2, T. 10 S., R. 24 E., Uintah County, Utah

Surface elevation 5,035 feet

Surface elevation 5,035 feet			Yield of product						Mahogany marker not reached		Remarks
Sample number Laramie Their		Run No.	Weight percent				Gal. per ton		Specific gravity of oil at 60°/60° F.	Properties of spent shale Tendency to coke	
			Oil	Water	Spent shale	Gas + loss	Oil	Water			
SER56-2042	279-280	44162	7.3	0.4	91.1	1.2	18.9	1.0	0.930	None	
SER56-2043	280-281	44163	7.1	.4	91.2	1.3	18.4	1.0	.930	None	
SER56-2044	281-282	44164	4.6	.4	94.0	1.0	11.8	.8	.934	None	
SER56-2045	282-283	44165	3.2	.2	95.8	.8	8.1	.5	.942	None	
SER56-2046	283-284	44166	3.3	.3	96.0	.4	8.4	.6	.946	None	
SER56-2047	284-285	44167	2.8	.2	96.5	.5	7.1	.5	.947	None	
SER56-2048	285-286	44168	2.4	.2	97.2	.2	6.1	.4	.940	None	
SER56-2049	286-287	44169	2.5	.1	97.1	.3	6.3	.2	.944	None	
SER56-2050	287-288	44170	2.3	.2	97.1	.4	5.9	.5	.944	None	
SER56-2051	288-289	44171	1.5	.1	98.2	.2	3.8a	.1		None	
SER56-2052	289-290	44172	2.1	.1	97.4	.4	5.3	.4	.936	None	
SER56-2053	290-291	44173	4.8	.1	94.3	.8	12.3	.4	.926	None	
SER56-2054	291-292	44174	6.5	.3	92.0	1.2	16.8	.8	.925	None	
SER56-2055	292-293	44175	5.5	.3	93.2	1.0	14.2	.8	.926	None	
SER56-2056	293-294	44176	6.0	.3	92.0	1.7	15.4	.8	.927	None	
SER56-2057	294-295	44177	5.3	.2	93.6	.9	13.7	.6	.925	None	
SER56-2058	295-296	44178	5.7	.3	92.9	1.1	14.8	.7	.925	None	
SER56-2059	296-297	44179	7.2	.5	91.0	1.3	18.7	1.1	.925	None	
SER56-2060	297-298	44180	3.3	.2	96.0	.5	8.5	.5	.930	None	
SER56-2061	298-299	44181	2.7	.2	96.4	.7	6.8	.6	.948	None	
SER56-2062	299-300	44182	2.4	.2	96.8	.6	6.1	.5	.948	None	
SER56-2063	300-301	44183	1.8	.2	97.2	.8	4.5a	.6		None	
SER56-2064	301-302	44184	1.7	.2	97.8	.3	4.4a	.4		None	
SER56-2065	302-303	44185	1.7	.1	97.5	.7	4.4a	.2		None	
SER56-2066	303-304	44186	1.8	.2	97.3	.7	4.4a	.5		None	
SER56-2067	304-305	44187	1.3	.1	98.1	.5	3.2a	.1		None	
SER56-2068	305-306	44188	1.5	.1	97.8	.6	3.7a	.2		None	
SER56-2069	306-307	44189	1.4	.1	97.8	.7	3.6a	.2		None	
SER56-2070	307-308	44190	1.5	.1	98.0	.4	3.9a	.2		None	
SER56-2071	308-309	44191	1.6	.2	97.7	.5	4.1a	.4		None	

a - Estimated.

Core samples received December 12, 1955; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's core hole No. 1, located 2800 feet N., 1500 feet W. of SE corner,
Sec. 2, T. 10 S., R. 24 E., Uintah County, Utah

Surface elevation 5,035 feet

Surface elevation 5,035 feet			Yield of product							Mahogany marker not reached		Remarks
Sample number		Run No.	Weight percent			Gas + loss	Gal. per ton		Specific gravity of oil at 60°/60° F.	Properties of spent shale		
Laramie	Their		Oil	Water	Spent shale		Oil	Water		Tendency to coke		
SER56-2072	309-310	44192	1.6	0.1	97.8	0.5	4.0a	0.4	0.925 .923 .932 .938	None		
SER56-2073	310-311	44193	1.7	.1	97.9	.3	4.3a	.1		None		
SER56-2074	311-312	44194	2.5	.2	96.9	.4	6.5	.4		None		
SER56-2075	312-313	44195	11.7	.6	85.8	1.9	30.4	1.4		None		
SER56-2076	313-314	44196	5.9	.3	92.6	1.2	15.1	.8	.930 .943 .940 .931 .932 .930 .930 .916 .911 .917 .932 .930 .932	None		
SER56-2077	314-315	44197	3.2	.2	95.9	.7	8.2	.5		None		
SER56-2078	315-316	44198	1.8	.2	97.4	.6	4.4a	.6		None		
SER56-2079	316-317	44199	1.5	.1	98.0	.4	3.9a	.2		None		
SER56-2080	317-318	44200	1.4	.1	98.3	.2	3.5a	.2		None		
SER56-2081	318-319	44201	1.5	.1	97.8	.6	3.8a	.2		None		
SER56-2082	319-320	44202	1.4	.2	97.7	.7	3.6a	.4		None		
SER56-2083	320-321	44203	1.4	.2	97.9	.5	3.6a	.5		None		
SER56-2084	321-322	44204	1.8	.3	97.3	.6	4.4a	.7		None		
SER56-2085	322-323	44205	1.6	.1	97.6	.7	4.0a	.4		None		
SER56-2086	323-324	44206	1.9	.2	97.2	.7	4.6a	.6		None		
SER56-2087	324-325	44207	1.4	.2	98.1	.3	3.5a	.6		None		
SER56-2088	325-326	44208	2.5	.2	96.6	.7	6.4	.6		None		
SER56-2089	328-329	44209	3.8	.1	94.8	1.3	9.6	.4		None		
SER56-2090	329-330	44210	2.3	.2	96.5	1.0	6.0	.5		None		
SER56-2091	330-331	44211	2.3	.2	96.7	.8	5.9	.4		None		
SER56-2092	331-332	44212	2.4	.2	96.8	.6	6.2	.5		None		
SER56-2093	332-333	44213	2.7	.1	96.0	1.2	6.9	.4		None		
SER56-2094	333-334	44214	2.1	.2	96.8	.9	5.4	.5		None		
SER56-2095	334-335	44215	2.2	.1	96.7	1.0	5.6	.4		None		
SER56-2096	335-336	44216	4.9	.2	93.4	1.5	12.7	.5		None		
SER56-2097	336-337	44217	9.2	.3	88.4	2.1	24.2	.7		None		
SER56-2098	337-338	44218	12.3	.5	84.6	2.6	32.2	1.1		None		
SER56-2099	338-339	44219	3.9	.1	94.9	1.1	9.9	.2		None		
SER56-2100	339-340	44220	3.1	.2	96.0	.7	8.0	.4		None		
SER56-2101	340-341	44221	2.8	.1	96.4	.7	7.2	.2		None		

a - Estimated.

Core samples received December 12, 1955; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's core hole No. 1, located 2800 feet N., 1500 feet W. of SE corner,
Sec. 2, T. 10 S., R. 24 E., Uintah County, Utah

Surface elevation 5,035 feet

Mahogany marker not reached

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
			Weight percent		Spent shale	Gas + loss					
Laramie	Their		Oil	Water					Oil	Water	
SER56-2102	341-342	44222	2.6	0.2	96.7	0.5	6.7	0.5	0.927	None	
SER56-2103	342-343	44223	2.7	.3	96.2	.8	7.0	.6	.930	None	
SER56-2104	343-344	44224	3.2	.2	95.5	1.1	8.4	.4	.929	None	
SER56-2105	344-345	44225	3.1	.1	96.5	.3	7.9	.2	.937	None	
SER56-2106	345-346	44226	3.2	.2	96.3	.3	8.2	.4	.940	None	
SER56-2107	346-347	44227	3.6	.2	95.8	.4	9.3	.4	.939	None	
SER56-2108	347-348	44228	3.0	.2	96.5	.3	7.7	.4	.936	None	
SER56-2109	348-349	44229	3.0	.1	96.7	.2	7.7	.2	.937	None	
SER56-2110	349-350	44230	3.4	.2	96.1	.3	8.8	.4	.938	None	
SER56-2111	350-351	44231	4.3	.1	94.6	1.0	10.9	.4	.937	None	
SER56-2112	351-352	44232	4.4	.2	94.8	.6	11.1	.5	.944	None	
SER56-2113	352-353	44233	4.0	.1	95.6	.3	10.3	.2	.936	None	
SER56-2114	353-354	44234	4.1	.2	95.1	.6	10.5	.4	.938	None	
SER56-2115	354-355	44235	4.2	.1	95.1	.6	10.9	.2	.934	None	
SER56-2116	355-356	44236	3.7	.1	95.6	.6	9.4	.4	.940	None	
SER56-2117	356-357	44237	4.4	.2	94.6	.8	11.4	.4	.924	None	
SER56-2118	357-358	44238	4.5	.2	94.6	.7	11.5	.4	.937	None	
SER56-2119	358-359	44239	5.4	.2	93.5	.9	13.8	.5	.934	None	
SER56-2120	359-360	44240	6.0	.2	92.8	1.0	15.5	.5	.930	None	
SER56-2121	360-361	44241	3.6	.1	95.8	.5	9.3	.2	.931	None	
SER56-2122	361-362	44242	3.3	.1	95.9	.7	8.4	.2	.924	None	
SER56-2123	362-363	44243	3.1	.1	96.1	.7	8.0	.2	.923	None	
SER56-2124	363-364	44244	2.8	.1	96.0	1.1	7.3	.2	.924	None	
SER56-2125	364-365	44245	2.8	.1	96.2	.9	7.2	.2	.932	None	
SER56-2126	365-366	44246	3.3	.1	95.7	.9	8.4	.4	.940	None	
SER56-2127	366-367	44247	3.9	.2	94.9	1.0	10.0	.5	.947	None	
SER56-2128	367-368	44248	5.8	.3	92.4	1.5	14.8	.6	.937	None	
SER56-2129	368-369	44249	5.7	.2	92.8	1.3	14.5	.5	.938	None	
SER56-2130	369-370	44250	4.5	.2	94.4	.9	11.6	.5	.930	None	
SER56-2131	370-371	44251	3.8	.2	95.2	.8	9.9	.4	.933	None	

Core samples received December 12, 1955; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's core hole No. 1, located 2800 feet N., 1500 feet W. of SE corner,
Sec. 2, T. 10 S., R. 24 E., Uintah County, Utah

Surface elevation 5,035 feet

Mahogany marker not reached

Sample number		Run No.	Yield of product					Specific gravity of oil at 60°/60° F.	Properties of spent shale		Remarks
			Weight percent		Gas + loss	Gal. per ton			Tendency to coke		
Laramie	Their		Oil	Water		Spent shale		Oil		Water	
SER56-2132	371-372	44252	2.3	0.1	97.1	0.5	5.8	0.2	0.932	None	
SER56-2133	372-373	44253	2.0	.1	97.0	.9	5.2	.2	.934	None	
SER56-2134	373-374	44254	2.8	.2	96.0	1.0	7.2	.5	.932	None	
SER56-2135	374-375	44255	3.3	.2	95.2	1.4	8.4	.5	.936	None	
SER56-2136	375-376	44256	3.6	.2	95.3	.9	9.0	.5	.946	None	
SER56-2137	376-377	44257	3.3	.1	95.7	.9	8.5	.2	.938	None	
SER56-2138	377-378	44258	4.1	.2	94.4	1.3	10.4	.5	.937	None	
SER56-2139	378-379	44259	4.7	.1	94.3	.9	11.9	.2	.937	None	
SER56-2140	379-380	44260	4.5	.1	94.5	.9	11.5	.4	.932	None	
SER56-2141	380-381	44261	4.6	.1	94.3	1.0	11.7	.2	.937	None	
SER56-2142	381-382	44262	4.1	.1	95.1	.7	10.4	.2	.932	None	
SER56-2143	382-383	44263	4.0	.2	94.9	.9	10.3	.4	.933	None	
SER56-2144	383-384	44264	3.4	.2	95.4	1.0	8.7	.4	.934	None	
SER56-2145	384-385	44265	3.4	.1	96.1	.4	8.8	.2	.933	None	
SER56-2146	385-386	44266	3.6	.1	96.0	.3	9.2	.4	.931	None	
SER56-2147	386-387	44267	3.4	.1	96.0	.5	8.8	.2	.934	None	
SER56-2148	387-388	44268	3.6	.1	95.9	.4	9.2	.4	.936	None	
SER56-2149	388-389	44269	3.2	.1	96.4	.3	8.1	.2	.941	None	
SER56-2150	389-390	44270	3.3	.1	96.3	.3	8.6	.2	.930	None	
SER56-2151	390-391	44271	3.6	.2	95.7	.5	9.3	.5	.940	None	
SER56-2152	391-392	44272	4.0	.2	95.3	.5	10.4	.4	.935	None	
SER56-2153	392-393	44273	4.1	.1	94.9	.9	10.4	.2	.942	None	
SER56-2154	393-394	44274	3.3	.1	96.0	.6	8.4	.2	.937	None	
SER56-2155	394-395	44275	3.1	.1	96.0	.8	8.0	.2	.931	None	
SER56-2156	395-396	44276	3.6	.1	95.9	.4	9.3	.2	.939	None	
SER56-2157	396-397	44277	3.7	.1	95.6	.6	9.4	.2	.937	None	
SER56-2158	397-398	44278	3.0	.2	95.9	.9	7.6	.5	.942	None	
SER56-2159	398-399	44279	3.3	.1	95.6	1.0	8.3	.4	.937	None	
SER56-2160	399-400	44280	7.4	.3	90.3	2.0	19.1	.6	.933	None	
SER56-2161	400-401	44281	3.5	.1	95.8	.6	8.9	.2	.928	None	

Core samples received December 12, 1955; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's core hole No. 1, located 2800 feet N., 1500 feet W. of SE corner,
Sec. 2, T. 10 S., R. 24 E., Uintah County, Utah

Surface elevation 5,035 feet

Mahogany marker not reached

			Yield of product						Specific gravity of oil at 60°/60° F.	Properties of spent shale Tendency to coke	Remarks
			Weight percent			Gal. per ton					
Sample number		Run No.	Oil	Water	Spent shale	Gas + loss	Oil	Water			
Laramie	Their										
SER56-2162	401-402	44282	2.9	0.2	96.1	0.8	7.5	0.5	0.930	None	
SER56-2163	402-403	44283	1.8	.1	97.3	.8	4.5a	.2		None	
SER56-2164	403-404	44284	2.8	.1	96.3	.8	7.2	.4	.926	None	
SER56-2165	404-405	44285	3.7	.2	95.2	.9	9.6	.4	.928	None	
SER56-2166	405-406	44286	4.0	.3	94.8	.9	10.4	.6	.933	None	
SER56-2167	406-407	44287	4.1	.2	94.8	.9	10.5	.6	.932	None	
SER56-2168	407-408	44288	4.1	.2	94.7	1.0	10.6	.4	.933	None	
SER56-2169	408-409	44289	3.7	.1	95.4	.8	9.4	.4	.932	None	
SER56-2170	409-410	44290	3.0	.1	95.8	1.1	7.6	.4	.931	None	
SER56-2171	410-411	44291	2.6	.2	96.2	1.0	6.7	.4	.926	None	
SER56-2172	411-412	44292	3.0	.1	96.1	.8	7.6	.4	.930	None	
SER56-2173	412-413	44293	3.0	.1	95.6	1.3	7.8	.2	.930	None	
SER56-2174	413-414	44294	3.0	.2	95.7	1.1	7.7	.5	.935	None	
SER56-2175	414-415	44295	2.6	.2	96.1	1.1	6.6	.5	.935	None	
SER56-2176	415-416	44296	8.9	.4	88.6	2.1	22.9	1.1	.930	None	
SER56-2177	416-417	44297	7.9	.3	90.3	1.5	20.5	.7	.924	None	
SER56-2178	417-418	44298	3.1	.2	96.1	.6	8.1	.5	.930	None	
SER56-2179	418-419	44299	3.1	.1	96.5	.3	7.9	.2	.929	None	
SER56-2180	419-420	44300	2.8	.2	96.7	.3	7.2	.4	.928	None	
SER56-2181	420-421	44301	2.6	.1	97.0	.3	6.6	.2	.926	None	
SER56-2182	421-422	44302	2.7	.2	96.5	.6	6.9	.6	.927	None	
SER56-2183	422-423	44303	2.4	.2	97.0	.4	6.1	.6	.926	None	
SER56-2184	423-424	44304	2.6	.2	96.8	.4	6.7	.5	.924	None	
SER56-2185	424-425	44305	2.7	.1	96.9	.3	6.8	.2	.931	None	
SER56-2186	425-426	44306	2.4	.1	96.9	.6	6.1	.4	.931	None	
SER56-2187	426-427	44307	2.5	.2	97.0	.3	6.5	.5	.929	None	
SER56-2188	427-428	44308	2.6	.2	96.8	.4	6.6	.5	.928	None	
SER56-2189	428-429	44309	2.7	.1	96.9	.3	6.9	.4	.932	None	
SER56-2190	429-430	44310	2.7	.2	96.7	.4	6.9	.5	.935	None	
SER56-2191	430-431	44311	2.9	.2	96.4	.5	7.4	.5	.935	None	

a - Estimated.

Core samples received December 12, 1955; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's core hole No. 1, located 2800 feet N., 1500 feet W. of SE corner,
Sec. 2, T. 10 S., R. 24 E., Uintah County, Utah

Surface elevation 5,035 feet

Surface elevation 5,035 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			
Laramie	Their		Oil	Water			Oil	Water					
SER56-2192	431-432	44312	2.6	0.2	96.9	0.3	6.7	0.5	0.930	None			
SER56-2193	432-433	44313	2.2	.1	97.5	.2	5.6	.4	.927	None			
SER56-2194	433-434	44314	1.6	.3	97.7	.4	4.1a	.7		None			
SER56-2195	434-435	44315	3.0	.2	96.3	.5	7.8	.4	.927	None			
SER56-2196	435-436	44316	3.3	.2	95.8	.7	8.4	.5	.931	None			
SER56-2197	436-437	44317	8.1	.3	90.3	1.3	20.9	.7	.927	None			
SER56-2198	437-438	44318	7.4	.4	90.8	1.4	19.0	.8	.936	None			
SER56-2199	438-439	44319	2.7	.4	96.5	.4	7.0	.8	.931	None			
SER56-2200	439-440	44320	2.7	.3	96.3	.7	7.0	.7	.924	None			
SER56-2201	440-441	44321	2.7	.2	96.9	.2	7.1	.4	.916	None			
SER56-2202	441-442	44322	2.3	.2	97.0	.5	5.9	.6	.927	None			
SER56-2203	442-443	44323	2.0	.3	96.9	.8	5.3	.7	.924	None			
SER56-2204	443-444	44324	8.4	.5	89.4	1.7	21.9	1.2	.920	None			
SER56-2205	444-445	44325	5.3	.3	93.1	1.3	13.5	.7	.935	None			
SER56-2206	445-446	44326	3.7	.3	94.9	1.1	9.6	.7	.935	None			
SER56-2207	446-447	44327	3.5	.4	94.9	1.2	8.9	.8	.941	None			
SER56-2208	447-448	44328	3.1	.3	95.5	1.1	7.8	.7	.937	None			
SER56-2209	448-449	44329	3.1	.1	95.8	1.0	7.9	.4	.935	None			
SER56-2210	449-450	44330	3.0	.2	96.5	.3	7.6	.6	.934	None			
SER56-2211	450-451	44331	4.1	.2	95.1	.6	10.6	.4	.929	None			
SER56-2212	451-452	44332	4.4	.2	94.6	.8	11.2	.6	.937	None			
SER56-2213	452-453	44333	4.1	.3	94.8	.8	10.6	.6	.935	None			
SER56-2214	453-454	44334	3.7	.3	95.2	.8	9.5	.7	.933	None			
SER56-2215	454-455	44335	2.4	.4	96.8	.4	6.0	1.0	.935	None			
SER56-2216	455-456	44336	2.2	.4	96.7	.7	5.5	1.0	.933	None			
SER56-2217	456-457	44337	2.2	.2	97.0	.6	5.7	.5	.925	None			
SER56-2218	457-458	44338	5.1	.2	93.8	.9	13.0	.6	.934	None			
SER56-2219	458-459	44339	5.1	.2	94.0	.7	13.0	.6	.932	None			
SER56-2220	459-460	44340	5.1	.4	93.2	1.1	13.7	1.0	.927	None			
SER56-2221	460-461	44341	7.0	.6	90.8	1.6	18.3	1.4	.921	None			

a - Estimated.

Core samples received December 12, 1955; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's core hole No. 1, located 2800 feet N., 1500 feet W. of SE corner,
Sec. 2, T. 10 S., R. 24 E., Uintah County, Utah

Surface elevation 5,035 feet

Mahogany marker not reached

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		Gas + loss	Gal. per ton					
Laramie	Their		Oil	Water		Spent shale		Oil	Water		
SER56-2222	461-462	44342	6.5	0.5	91.6	1.4	16.8	1.3	0.926	None	
SER56-2223	462-463	44343	4.8	.3	94.0	.9	12.3	.8	.930	None	
SER56-2224	463-464	44344	5.4	.3	93.5	.8	13.9	.6	.934	None	
SER56-2225	464-465	44345	5.8	.2	93.3	.7	14.8	.6	.938	None	
SER56-2226	465-466	44346	5.4	.3	93.7	.6	13.7	.7	.939	None	
SER56-2227	466-467	44347	5.1	.2	94.4	.3	12.9	.5	.937	None	
SER56-2228	467-468	44348	4.4	.4	94.8	.4	11.4	.8	.933	None	
SER56-2229	468-469	44349	4.0	.3	95.3	.4	10.4	.6	.932	None	
SER56-2230	469-470	44350	2.9	.3	96.6	.2	9.8	.8	.934	None	
SER56-2231	470-471	44351	5.5	.6	93.2	.7	14.4	1.3	.919	None	
SER56-2232	471-472	44352	5.6	.5	92.8	1.1	14.5	1.3	.925	None	
SER56-2233	472-473	44353	4.4	.3	93.9	1.4	11.6	.7	.922	None	
SER56-2234	473-474	44354	3.8	.4	94.6	1.2	9.8	1.0	.926	None	
SER56-2235	474-475	44355	3.1	.6	95.0	1.3	8.0	1.4	.925	None	
SER56-2236	475-476	44356	1.9	.6	96.7	.8	4.9a	1.3		None	
SER56-2237	476-477	44357	5.7	.6	92.0	1.7	15.0	1.3	.917	None	
SER56-2238	477-478	44358	3.7	.4	94.7	1.2	9.6	1.0	.925	None	
SER56-2239	478-479	44359	4.9	.4	93.2	1.5	12.6	1.0	.934	None	
SER56-2240	479-480	44360	9.6	.6	87.5	2.3	24.7	1.6	.926	None	
SER56-2241	480-481	44361	2.5	.3	96.4	.8	6.5	.6	.934	None	
SER56-2242	481-482	44362	2.5	.4	96.2	.9	6.4	1.0	.935	None	
SER56-2243	482-483	44363	2.7	.4	96.2	.7	7.0	1.0	.930	None	
SER56-2244	483-484	44364	3.2	.4	95.7	.7	8.4	.8	.925	None	
SER56-2245	484-485	44365	4.7	.3	94.0	1.0	12.2	.6	.925	None	
SER56-2246	485-486	44366	9.2	.5	88.7	1.6	23.6	1.3	.928	None	
SER56-2247	486-487	44367	3.7	.4	94.6	1.1	10.0	1.0	.931	None	
SER56-2248	487-488	44368	3.7	.5	94.8	1.0	9.6	1.1	.923	None	
SER56-2249	488-489	44369	3.4	.2	95.6	.8	8.7	.5	.925	None	
SER56-2250	489-490	44370	3.7	.4	95.0	.9	9.6	1.0	.926	None	
SER56-2251	490-491	44371	4.5	.3	94.1	1.1	11.8	.7	.924	None	

a - Estimated.

Core samples received December 12, 1955; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's core hole No. 1, located 2800 feet N., 1500 feet W. of SE corner,
Sec. 2, T. 10 S., R. 24 E., Uintah County, Utah

Surface elevation 5,035 feet

Mahogany marker not reached

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	Water		
SER56-2252	491 -492	44372	11.4	0.8	85.1	2.7	29.8	1.9	.918	None		
SER56-2253	492 -493	44373	6.0	.3	92.3	1.4	15.2	.8	.937	None		
SER56-2254	493 -494	44374	3.8	.4	94.7	1.1	9.8	.8	.932	None		
SER56-2255	494 -495	44375	3.8	.3	94.4	1.5	9.8	.7	.934	None		
SER56-2256	495 -496	44376	3.9	.3	94.6	1.2	10.0	.7	.935	None		
SER56-2257	496 -497	44377	4.6	.2	94.0	1.2	11.6	.5	.943	None		
SER56-2258	497 -498	44378	2.6	.3	96.3	.8	6.6	.8	.935	None		
SER56-2259	498 -499	44379	3.0	.4	95.6	1.0	7.7	.8	.936	None		
SER56-2260	499 -500	44380	3.4	.3	95.4	.9	8.6	.8	.938	None		
SER56-2261	500 -501	44381	3.4	.3	95.4	.9	8.8	.7	.936	None		
SER56-2262	501 -502	44382	5.2	.4	93.2	1.2	13.2	1.0	.936	None		
SER56-2263	502 -503	44400	6.8	.4	91.7	1.1	17.5	1.0	.931	None		
SER56-2264	503 -504	44384	3.5	.3	95.2	1.0	8.8	.7	.940	None		
SER56-2265	504 -505	44385	3.1	.2	95.8	.9	8.0	.4	.940	None		
SER56-2266	505 -506	44386	2.3	.3	96.2	1.2	5.8	.8	.934	None		
SER56-2267	506 -507	44387	2.3	.3	96.8	.6	5.9	.7	.931	None		
SER56-2268	507A -507.2	44388	4.4	.3	94.2	1.1	11.4	.6	.930	None	1/	
SER56-2269	507B -507.4	44389	5.3	.2	93.5	1.0	13.7	.5	.930	None	1/	
SER56-2270	507C -507.6	44390	5.9	.3	92.8	1.0	15.2	.6	.929	None	1/	
SER56-2271	507D -507.8	44391	5.2	.3	93.6	.9	13.5	.7	.930	None	1/	
SER56-2272	507E -508.0	44392	5.3	.3	93.2	1.2	13.7	.6	.927	None		
SER56-2273	508.0 -509	44393	4.9	.3	93.7	1.1	12.7	.7	.920	None		
SER56-2274	509 -510	44394	5.1	.5	93.3	1.1	13.5	1.2	.913	None		
SER56-2275	510A -510.2	44395	5.2	.5	93.4	.9	13.7	1.1	.914	None	1/	
SER56-2276	510B -510.4	44396	5.7	.5	92.8	1.0	15.1	1.1	.912	None	1/	
SER56-2277	510C -510.5	44397	5.6	.5	92.7	1.2	14.8	1.1	.915	None	1/	
SER56-2278	510.5-511.5	44398	4.9	.4	93.6	1.1	12.8	1.1	.914	None		
SER56-2279	511.5-512.5	44399	5.0	.5	93.4	1.1	13.1	1.3	.911	None		
SER56-2280	512.5-513.5	44401	5.3	.2	93.3	1.2	13.9	.6	.915	None		
SER56-2281	513.5-514.5	44402	4.7	.3	93.7	1.3	12.2	.8	.916	None		

1/ Core barrel was 3½ inches less than 20 feet. Hence, at depth of 500 feet there was an accumulated average of 6½ feet which are represented by their samples No. 507A, 507B, 507D, 510A, 510B, and 510C-510.5.

Core samples received December 12, 1955; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's core hole No. 1, located 2800 feet N., 1500 feet W. of SE corner,
Sec. 2, T. 10 S., R. 24 E., Uintah County, Utah

Surface elevation 5,035 feet

Mahogany marker not reached

Sample number		Run No.	Yield of product				Specific gravity of oil at 60°/60° F.		Properties of spent shale Tendency to		Remarks
			Weight percent		Gal. per ton						
Laramie	Their		Oil	Water	Spent shale	Gas + loss	Oil	Water		coke	
SBR56-2282	514.5-515.5	44403	5.7	0.5	92.3	1.5	14.8	1.2	.917	None	
SBR56-2283	515.5-516.5	44404	6.4	.6	91.4	1.6	16.6	1.4	.918	None	
SBR56-2284	516.5-517.5	44405	6.6	.5	91.2	1.7	17.2	1.3	.912	None	
SBR56-2285	517.5-518.5	44406	5.2	.6	92.5	1.7	13.7	1.3	.916	None	
SBR56-2286	518.5-519.5	44407	7.0	.4	91.3	1.3	18.2	1.1	.918	None	
SBR56-2287	519.5-520.5	44408	11.4	.7	84.9	3.0	29.8	1.7	.917	None	
SBR56-2288	520.5-521.5	44409	7.8	.5	90.2	1.5	20.4	1.1	.917	None	
SBR56-2289	521.5-522.5	44410	8.6	.7	88.7	2.0	22.6	1.6	.912	None	
SBR56-2290	522.5-523.5	44411	9.2	.6	88.2	2.0	24.3	1.4	.912	None	
SBR56-2291	523.5-524.5	44412	7.5	.7	90.2	1.6	19.7	1.6	.912	None	
SBR56-2292	524.5-525.5	44413	6.3	.5	91.6	1.6	16.5	1.1	.916	None	
SBR56-2293	525.5-526.5	44414	5.2	.6	92.6	1.6	13.6	1.3	.921	None	
SBR56-2294	526.5-527.5	44415	4.0	.7	94.2	1.1	10.4	1.7	.924	None	
SBR56-2295	527.5-528.5	44416	4.0	.5	94.4	1.1	10.3	1.1	.926	None	
SBR56-2296	528.5-529.5	44417	5.3	.3	93.5	.9	13.9	.8	.912	None	
SBR56-2297	529.5-530.5	44418	6.2	.7	91.9	1.2	16.1	1.8	.915	None	
SBR56-2298	530.5-531.5	44419	3.6	.8	95.0	.6	9.5	1.9	.918	None	
SBR56-2299	531.5-532.5	44420	3.0	.9	95.8	.3	7.9	2.0	.920	None	
SBR56-2300	532.5-533.5	44421	3.1	.4	95.8	.7	8.0	1.0	.925	None	
SBR56-2301	533.5-534.5	44422	4.1	.5	95.0	.4	10.6	1.2	.917	None	
SBR56-2302	534.5-535.5	44423	10.0	.8	87.5	1.7	26.0	1.9	.920	None	
SBR56-2303	535.5-536.5	44424	7.0	.7	91.0	1.3	18.1	1.7	.918	None	
SBR56-2304	536.5-537.5	44425	4.1	.5	94.5	.9	10.7	1.1	.916	None	
SBR56-2305	537.5-538.5	44426	3.8	.9	94.5	.8	9.9	2.2	.921	None	
SBR56-2306	538.5-539.5	44427	3.0	.6	96.1	.3	7.8	1.4	.926	None	
SBR56-2307	539.5-540.5	44428	3.2	.7	95.7	.4	8.2	1.7	.927	None	
SBR56-2308	540.5-541.5	44429	4.6	.4	94.4	.6	9.5	1.1	.924	None	
SBR56-2309	541.5-542.5	44430	5.2	.5	93.6	.7	11.1	1.3	.917	None	
SBR56-2310	542.5-543.5	44431	3.6	.8	94.7	.9	9.3	1.9	.915	None	
SBR56-2311	543.5-544.5	44432	1.9	1.6	95.8	.7	4.8a	4.0		None	

a - Estimated.

Core samples received December 12, 1955; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's core hole No. 1, located 2800 feet N., 1500 feet W. of SE corner,
Sec. 2, T. 10 S., R. 24 E., Uintah County, Utah

Surface elevation 5,035 feet

Mahogany marker not reached

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	Their			Oil	Water			
SER56-2312	544.5-545.5	44433	2.6	1.1	95.7	0.6	6.8	2.6	0.926	None	
SER56-2313	545.5-546.5	44434	3.8	.8	94.2	1.2	9.8	1.9	.922	None	
SER56-2314	546.5-547.5	44435	3.4	.8	94.8	1.0	8.8	1.9	.920	None	
SER56-2315	547.5-548.5	44436	2.7	.5	96.1	.7	7.0	1.3	.921	None	
SER56-2316	548.5-549.5	44437	2.8	.4	95.9	.9	7.1	1.0	.923	None	
SER56-2317	549.5-550.5	44438	11.3	.9	85.6	2.2	29.4	2.3	.920	None	
SER56-2318	550.5-551.5	44439	4.3	.6	94.2	.9	11.0	1.6	.923	None	
SER56-2319	551.5-552.5	44440	3.1	.6	95.5	.8	7.9	1.4	.925	None	
SER56-2320	552.5-553.5	44441	3.4	.8	95.1	.7	8.9	1.8	.923	None	
SER56-2321	553.5-554.5	44442	3.4	.8	95.0	.8	8.8	1.9	.922	None	
SER56-2322	554.5-555.5	44443	3.7	.8	94.7	.8	9.6	1.9	.923	None	
SER56-2323	555.5-556.5	44444	2.7	.8	96.1	.4	7.0	1.9	.917	None	
SER56-2324	556.5-557.5	44445	2.9	.6	95.7	.8	7.4	1.4	.925	None	
SER56-2325	557.5-558.5	44446	8.6	.8	88.8	1.8	22.4	1.9	.921	None	
SER56-2326	558.5-559.5	44447	6.6	.7	91.3	1.4	17.0	1.7	.926	None	
SER56-2327	559.5-560.5	44448	3.4	.6	95.2	.8	8.8	1.3	.930	None	
SER56-2328	560.5-561.5	44449	3.5	.4	94.4	1.7	9.0	.8	.932	None	
SER56-2329	561.5-562.5	44450	3.1	.5	94.9	1.5	7.9	1.2	.932	None	
SER56-2330	562.5-563.5	44451	2.4	.6	95.5	1.5	6.2	1.4	.932	None	
SER56-2331	563.5-564.5	44452	3.8	.5	94.2	1.5	9.9	1.2	.926	None	
SER56-2332	564.5-565.5	44453	11.1	1.0	84.8	3.1	28.9	2.3	.924	None	
SER56-2333	565.5-566.5	44454	6.8	.5	90.5	2.2	17.4	1.3	.933	None	
SER56-2334	566.5-567.5	44455	3.5	.6	94.1	1.8	9.2	1.3	.926	None	
SER56-2335	567.5-568.5	44456	3.4	.6	94.3	1.7	8.9	1.4	.923	None	
SER56-2336	568.5-569.5	44457	3.6	.5	95.0	.9	9.3	1.2	.923	None	
SER56-2337	569.5-570.5	44458	4.3	.9	93.6	1.2	11.2	2.0	.921	None	
SER56-2338	570.5-571.5	44459	5.8	.6	92.4	1.2	15.1	1.4	.917	None	
SER56-2339	571.5-572.5	44460	14.7	1.3	81.6	2.4	38.6	3.1	.915	None	
SER56-2340	572.5-573.5	44461	10.4	1.0	86.8	1.8	27.1	2.4	.925	None	
SER56-2341	573.5-574.5	44462	3.7	.7	95.1	.5	9.6	1.6	.930	None	

Core samples received December 12, 1955; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's core hole No. 1, located 2800 feet N., 1500 feet W. of SE corner,
Sec. 2, T. 10 S., R. 24 E., Uintah County, Utah

Surface elevation 5,035 feet

Mahogany marker not reached

			Yield of product						Specific gravity of oil at 60°/60° F.	Properties of spent shale Tendency to coke	Remarks
Sample number		Run No.	Weight percent		Spent shale	Gas + loss	Gal. per ton				
			Oil	Water			Oil	Water			
Laramie	Their										
SER56-2342	574.5-575.5	44463	3.3	0.6	95.3	0.8	8.5	1.6	0.929	None	
SER56-2343	575.5-576.5	44464	3.2	.5	95.4	.9	8.4	1.2	.917	None	
SER56-2344	576.5-577.5	44465	3.1	.4	95.8	.7	8.0	1.0	.928	None	
SER56-2345	577.5-578.5	44466	3.1	.7	95.3	.7	8.0	1.6	.926	None	
SER56-2346	578.5-579.5	44467	3.6	.5	93.6	2.3	9.3	1.3	.925	None	
SER56-2347	579.5-580.5	44468	5.5	.5	93.1	.9	14.4	1.2	.922	None	
SER56-2348	580.5-581	44469	4.9	.6	93.7	.8	12.9	1.3	.918	None	
SER56-2349	581 -582	44470	5.8	.5	92.6	1.1	15.0	1.2	.923	None	
SER56-2350	582 -583	44471	4.3	.4	94.2	1.1	11.3	.8	.913	None	
SER56-2351	583 -584	44472	4.8	.6	93.4	1.2	12.4	1.6	.923	None	
SER56-2352	584 -585	44473	5.0	.3	93.7	1.0	13.0	.7	.921	None	
SER56-2353	585 -586	44474	5.5	.5	92.7	1.3	14.5	1.2	.917	None	
SER56-2354	586 -587	44475	12.6	.8	84.3	2.3	33.1	1.9	.914	None	
SER56-2355	587 -588	44476	4.0	.4	94.5	1.1	10.5	1.0	.917	None	
SER56-2356	588 -589	44477	1.1	.3	97.8	.8	2.9a	.6		None	
SER56-2357	589 -590	44478	1.3	.4	97.5	.8	3.4a	1.0		None	
SER56-2358	590 -591	44479	4.1	.4	94.3	1.2	10.5	1.0	.926	None	
SER56-2359	591 -592	44480	10.5	.6	96.8	2.1	27.4	1.4	.921	None	
SER56-2360	592 -593	44481	5.2	.3	93.9	.6	13.4	.8	.925	None	
SER56-2361	593 -594	44482	4.1	.5	94.6	.8	10.7	1.1	.926	None	
SER56-2362	594 -595	44483	4.9	.4	94.4	.3	12.7	1.0	.927	None	
SER56-2363	595 -596	44484	4.8	.5	94.1	.6	12.5	1.2	.922	None	
SER56-2364	596 -597	44485	5.8	.7	92.6	.9	14.9	1.7	.924	None	
SER56-2365	597 -598	44486	6.8	1.5	91.0	.7	17.6	3.7	.923	None	
SER56-2366	598 -599	44487	5.5	.3	93.2	1.0	14.1	.7	.929	None	
SER56-2367	590 -600	44488	4.6	.3	94.6	.5	11.9	.6	.932	None	
SER56-2368	600 -601	44489	5.1	.4	93.4	1.1	13.4	1.0	.914	None	
SER56-2369	601 -602	44490	3.9	.3	94.9	.9	10.0	.8	.931	None	
SER56-2370	602 -603	44491	4.4	.3	94.5	.8	11.6	.7	.924	None	
SER56-2371	603 -604	44492	4.0	.4	94.9	.7	10.4	1.0	.923	None	

a - Estimated.

Core samples received December 12, 1955; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's core hole No. 1, located 2800 feet N., 1500 feet W. of SE corner,
Sec. 2, T. 10 S., R. 24 E., Uintah County, Utah

Surface elevation 5,035 feet

Mahogany marker not reached

Sample number			Run No.	Yield of product				Specific gravity of oil at 60°/60° F.	Properties of spent shale		Remarks
				Weight percent		Gas + loss	Gal. per ton		Tendency to coke		
Laramie	Their		Oil	Water	Spent shale			Oil		Water	
SER56-2372	604-605	44493	5.0	0.3	93.9	0.8	13.0	0.6	0.925	None	
SER56-2373	605-606	44494	6.2	.5	92.1	1.2	16.0	1.2	.923	None	
SER56-2374	606-607	44495	6.6	1.4	91.0	1.0	17.1	3.4	.921	None	
SER56-2375	607-608	44496	5.0	.4	93.8	.8	13.1	.8	.921	None	
SER56-2376	608-609	44497	4.7	.2	94.4	.7	12.2	.4	.925	None	
SER56-2377	609-610	44498	4.9	.2	93.8	1.1	12.6	.6	.927	None	
SER56-2378	610-611	44499	4.5	.3	94.6	.6	11.6	.6	.932	None	
SER56-2379	611-612	44500	5.4	.2	93.6	.8	13.9	.6	.926	None	
SER56-2380	612-613	44501	4.5	.3	94.2	1.0	11.5	.7	.934	None	
SER56-2381	613-614	44502	4.4	.3	94.9	.4	11.4	.7	.929	None	
SER56-2382	614-615	44503	5.0	.3	93.1	1.6	13.0	.6	.923	None	
SER56-2383	615-616	44504	5.0	1.1	92.7	1.2	13.0	2.5	.924	None	
SER56-2384	616-617	44505	4.8	.3	94.1	.8	12.4	.7	.925	None	
SER56-2385	617-618	44506	5.4	.6	93.0	1.0	13.9	1.4	.929	None	
SER56-2386	618-619	44507	5.9	.3	92.7	1.1	15.4	.6	.925	None	
SER56-2387	619-620	44508	5.3	.4	93.3	1.0	13.8	.8	.925	None	
SER56-2388	620-621	44509	5.0	.2	93.6	1.2	12.9	.6	.917	None	
SER56-2389	621-622	44510	4.1	.2	94.7	1.0	10.5	.6	.923	None	
SER56-2390	622-623	44511	6.7	.4	91.6	1.3	17.3	1.0	.922	None	
SER56-2391	623-624	44512	6.5	.3	91.8	1.4	16.8	.7	.920	None	
SER56-2392	624-625	44513	4.3	.2	94.7	.8	11.1	.4	.925	None	
SER56-2393	625-626	44514	4.2	.5	94.5	.8	11.0	1.1	.924	None	
SER56-2394	626-627	44515	4.5	.3	94.4	.8	11.8	.7	.925	None	
SER56-2395	627-628	44516	4.3	.3	94.5	.9	11.1	.8	.925	None	
SER56-2396	628-629	44517	3.5	.1	95.6	.8	9.1	.2	.913	None	
SER56-2397	629-630	44518	3.7	.3	94.8	1.2	9.7	.6	.925	None	
SER56-2398	630-631	44519	7.0	.4	91.0	1.6	18.1	1.0	.922	None	
SER56-2399	631-632	44520	4.9	.2	93.6	1.3	12.6	.6	.924	None	
SER56-2400	632-633	44521	4.8	.1	94.4	.7	12.4	.4	.925	None	
SER56-2401	633-634	44522	4.2	.2	95.1	.5	10.8	.5	.925	None	

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OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's core hole No. 1, located 2800 feet N., 1500 feet W. of SE corner,
Sec. 2, T. 10 S., R. 24 E., Uintah County, Utah

Surface elevation 5,035 feet

Mahogany marker not reached

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	Their		Oil	Water					Oil	Water	
SBR56-2402	634-635	44523	4.3	0.4	95.1	0.2	11.1	0.8	0.930	None	
SBR56-2403	635-636	44524	3.8	.5	95.6	.1	9.9	1.1	.930	None	
SBR56-2404	636-637	44525	7.5	.8	90.7	1.0	19.5	1.8	.925	None	
SBR56-2405	637-638	44526	5.4	1.5	92.6	.5	14.0	3.6	.923	None	
SBR56-2406	638-639	44527	6.2	2.2	91.2	.4	16.2	5.3	.925	None	
SBR56-2407	639-640	44528	5.9	2.0	91.6	.5	15.4	4.8	.922	None	
SBR56-2408	640-641	44529	5.0	.5	93.6	.9	12.9	1.3	.926	None	
SBR56-2409	641-642	44530	5.1	.4	93.4	1.1	13.2	1.0	.925	None	
SBR56-2410	642-643	44531	5.0	.5	93.5	1.0	13.0	1.2	.923	None	
SBR56-2411	643-644	44532	6.6	.5	91.9	1.0	17.0	1.3	.924	None	
SBR56-2412	644-645	44533	6.2	.4	91.8	1.6	16.1	.8	.924	None	
SBR56-2413	645-646	44534	6.8	.4	91.5	1.3	17.7	.8	.923	None	
SBR56-2414	646-647	44535	7.6	.3	90.6	1.5	19.6	.8	.923	None	
SBR56-2415	647-648	44536	4.6	.2	94.1	1.1	11.8	.6	.928	None	
SBR56-2416	648-649	44537	4.3	.2	94.7	.8	11.3	.4	.925	None	
SBR56-2417	649-650	44538	3.4	.3	95.8	.5	8.9	.6	.927	None	
SBR56-2418	650-651	44539	3.0	.2	96.3	.5	7.8	.4	.926	None	
SBR56-2419	651-652	44540	4.1	.2	95.0	.7	10.7	.4	.919	None	
SBR56-2420	652-653	44541	5.3	.2	93.5	1.0	13.8	.5	.925	None	
SBR56-2421	653-654	44542	5.8	.3	93.1	.8	15.0	.7	.925	None	
SBR56-2422	654-655	44543	3.0	.5	95.4	1.1	7.7	1.3	.923	None	
SBR56-2423	655-656	44544	3.2	.3	95.7	.8	8.3	.6	.928	None	
SBR56-2424	656-657	44545	3.7	.1	95.5	.7	9.6	.2	.926	None	
SBR56-2425	657-658	44546	3.2	.2	95.7	.9	8.3	.5	.930	None	
SBR56-2426	658-659	44547	2.0	.2	97.3	.5	5.2	.4	.931	None	
SBR56-2427	659-660	44548	6.0	.2	92.9	.9	15.6	.6	.920	None	
SBR56-2428	660-661	44549	6.2	.2	92.5	1.1	16.2	.5	.922	None	
SBR56-2429	661-662	44550	4.7	.2	93.9	1.2	12.2	.5	.927	None	
SBR56-2430	662-663	44551	3.5	.2	95.3	1.0	9.1	.5	.930	None	
SBR56-2431	663-664	44552	4.0	.2	94.9	.9	10.2	.5	.925	None	

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			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		
			Oil	Water			Oil	Water			coke	
Laramie	Their											
SER56-2432	664-665	44553	4.0	0.1	94.4	1.5	10.5	0.2	.921	None		
SER56-2433	665-666	44554	15.1	.5	81.5	2.9	39.0	1.2	.925	None		
SER56-2434	666-667	44555	9.2	.3	88.2	2.3	24.0	.6	.921	None		
SER56-2435	667-668	44556	4.1	.1	94.9	.9	10.6	.4	.921	None		
SER56-2436	668-669	44557	5.8	.1	92.5	1.6	15.0	.2	.925	None		
SER56-2437	669-670	44558	5.0	.2	93.3	1.5	13.0	.5	.923	None		
SER56-2438	670-671	44559	6.0	.3	92.3	1.4	15.6	.7	.923	None		
SER56-2439	671-672	44560	5.5	.2	92.8	1.5	14.4	.5	.921	None		
SER56-2440	672-673	44561	9.1	.3	88.8	1.8	23.7	.6	.924	None		
SER56-2441	673-674	44562	8.8	.4	88.9	1.9	23.0	1.0	.916	None		
SER56-2442	674-675	44563	5.7	.2	92.8	1.3	14.9	.5	.915	None		
SER56-2443	675-676	44564	6.2	.3	92.2	1.3	16.3	.6	.911	None		
SER56-2444	676-677	44565	12.2	.6	84.1	3.1	32.0	1.6	.910	Slight		
SER56-2445	677-678	44566	9.0	.6	88.3	2.1	23.7	1.3	.917	Slight		
SER56-2446	678-679	44567	3.6	.2	94.9	1.3	9.4	.5	.928	None		
SER56-2447	679-680	44568	2.3	.2	96.4	1.1	5.9	.5	.930	None		
SER56-2448	680-681	44569	2.2	.1	96.7	1.0	5.7	.4	.926	None		
SER56-2449	681-682	44570	1.4	.1	98.2	.3	3.5a	.4		None		
SER56-2450	682-683	44571	1.9	.1	97.8	.2	4.7a	.2		None		
SER56-2451	683-684	44572	3.3	.2	95.4	1.1	8.7	.5	.925	None		
SER56-2452	684-685	44573	1.8	.1	97.9	.2	4.6a	.2		None		
SER56-2453	685-686	44574	2.0	.2	97.7	.1	5.0	.5	.923	None		
SER56-2454	686-687	44575	1.8	.3	97.2	.7	4.5a	.8		None		
SER56-2455	687-688	44576	1.1	.2	98.4	.3	2.8a	.4		None		
SER56-2456	688-689	44577	1.3	.1	98.4	.2	3.3a	.2		None		
SER56-2457	689-690	44578	11.4	1.2	85.3	2.1	29.1	2.9	.940	Heavy		
SER56-2458	690-691	44579	4.8	.4	94.3	.5	12.5	1.1	.918	None		
SER56-2459	691-692	44580	6.1	.3	92.8	.8	16.0	.7	.909	None		
SER56-2460	692-693	44581	7.1	.5	91.3	1.1	18.6	1.2	.910	None		
SER56-2461	693-694	44582	16.6	1.0	79.6	2.8	44.0	2.4	.903	Moderate		

a - Estimated.

Core samples received December 12, 1955; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's core hole No. 1, located 2800 feet N., 1500 feet W. of SE corner,
Sec. 2, T. 10 S., R. 24 E., Uintah County, Utah

Surface elevation 5,035 feet

Mahogany marker not reached

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 coke		
			Oil	Water	Spent shale	Gas + loss	Oil	Water				
Laramie	Their											
SBR56-2462	694-695	44583	7.0	0.6	91.1	1.3	18.5	1.3	0.915		None	
SBR56-2463	695-696	44584	6.7	.7	90.9	1.7	17.6	1.6	.914		None	
SBR56-2464	696-697	44585	6.1	.6	92.1	1.2	16.1	1.4	.912		None	
SBR56-2465	697-698	44586	4.9	1.1	93.2	.8	12.7	2.6	.915		None	
SBR56-2466	698-699	44587	7.8	1.2	90.0	1.0	20.3	3.0	.917		None	
SBR56-2467	699-700	44588	1.8	.2	97.9	.1	4.6 ^a	.5			None	
SBR56-2468	700-701	44589	12.5	1.0	84.2	2.3	32.6	2.3	.921		None	
SBR56-2469	701-702	44590	10.0	.6	87.5	1.9	26.0	1.4	.916		None	
SBR56-2470	702-703	44591	7.5	1.2	90.0	1.3	19.5	2.9	.920		None	
SBR56-2471	703-704	44592	12.9	.6	84.4	2.1	34.1	1.6	.905		None	

^a - Estimated.

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Petroleum and Oil-Shale Experiment Station, Laramie, (Mining, Illustration No. SBR-1814P April 25, 1956