

~~254~~ 93
u 93

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Western Oil Shale Corporation's Core Test 1-2 drilled in NE1/4SE1/4SW1/4
(2140 feet E/W 750 feet N/S) of sec 2, T 12 S, R 19 E Uintah County, Utah

Surface elevation 5,420 feet

Surface elevation 5,420 feet		Yield of product						Specific gravity of oil at 60°/60° F	Properties of spent shale Tendency to coke	Remarks	
Sample number Laramie Their		Run No.	Weight percent		Spent shale	Gas + loss	Gal per ton				
			Oil	Water			Oil ^{1/}				Water
SBR67-1898	0- 5						b				
SBR67-1899-1908	50- 55						c				
SBR67-1909-11	55- 70						b				
SBR67-1912	70- 75						No oil				
SBR67-1913-21	75-120						c				
SBR67-1922	120-125	21184	1.0	1.6	96.0	1.4	2.7a	3.7		None	
SBR67-1923	125-130	21185	1.8	2.1	94.9	1.2	4.8a	5.0		None	
SBR67-1924	130-135	21186	1.0	1.5	96.7	.8	2.5a	3.6		None	
SBR67-1925-29	135-160						c				
SBR67-1930-32	160-175						b				
SBR67-1933-41	175-220						c				
SBR67-1942	220-225	21187	.8	1.6	96.9	.7	2.1a	3.7		None	
SBR67-1943	225-230	21188	1.4	1.4	96.1	1.1	3.7a	3.2		None	
SBR67-1944	230-235	21189	1.4	1.2	96.7	.7	3.6a	3.0		None	
SBR67-1945-46	235-245						c				
SBR67-1947	245-250	21190	1.5	1.5	96.3	.7	4.0a	3.6		None	
SBR67-1948	250-255	21191	3.2	1.3	94.9	.6	8.2	3.1	0.921	None	
SBR67-1949	255-260	21192	1.5	1.1	96.8	.6	3.8a	2.8		None	
SBR67-1950-52	260-275						c				
SBR67-1953	275-280	21193	2.2	1.0	95.8	1.0	5.7	2.5	.926	None	
SBR67-1954	280-285	21194	2.4	1.4	95.4	.8	6.3	3.4	.923	None	
SBR67-1955	285-290	21195	2.1	1.1	96.4	.4	5.4	2.6	.925	None	
SBR67-1956	290-295	21196	3.2	.9	95.1	.8	8.1	2.3	.932	None	
SBR67-1957	295-300	21197	1.9	1.1	96.2	.8	5.1a	2.5	.927	None	
SBR67-1958	300-305	21198	2.6	1.0	95.3	1.1	6.6	2.4	.928	None	
SBR67-1959	305-310	21199	2.6	1.0	95.2	1.2	6.6	2.4	.926	None	
SBR67-1960	310-315	21200	2.7	1.0	95.1	1.2	7.0	2.4	.929	None	
SBR67-1961	315-320	21201	3.8	1.0	94.2	1.0	9.7	2.5	.928	None	
SBR67-1962	320-325	21202	3.8	1.1	94.1	1.0	9.7	2.8	.928	None	
SBR67-1963	325-330	21205	3.7	1.2	93.8	1.3	9.6	2.9	.917	None	

See footnotes at end of table.

Core and drill cutting samples received December 2, 1966; assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-4055P Sheet No. 1 of 10 sheets April 17, 1967

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Western Oil Shale Corporation's Core Test 1-2 (Con.)

Surface elevation 5,420 feet

Surface elevation 5,420 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 ^{1/}	Water				
SBR67-1964	330-335	21206	5.3	1.0	92.1	1.6	13.9	2.3	0.916	None		
SBR67-1965	335-340	21207	5.6	1.3	91.9	1.2	14.8	3.1	.913	None		
SBR67-1966	340-345	21208	3.1	1.5	94.0	1.4	8.0	3.6	.922	None		
SBR67-1967	345-350	21209	2.2	1.6	95.1	1.1	5.9	3.8	.912	None		
SBR67-1968	350-355	21210	2.3	1.4	94.7	1.6	6.1	3.4	.919	None		
SBR67-1969	355-360	21211	1.9	1.2	95.7	1.2	5.0a	2.9		None		
SBR67-1970	360-365	21212	2.1	1.9	95.2	.8	5.5	4.4	.921	None		
SBR67-1971	365-370	21213	2.1	1.2	95.7	1.0	5.4a	2.9		None		
SBR67-1972	370-375	21214	2.3	1.3	95.3	1.1	6.0	3.2	.918	None		
SBR67-1973	375-380	21218	2.2	1.9	95.1	.8	5.9	4.6	.918	None		
SBR67-1974	380-385	21219	3.0	1.9	94.0	1.1	7.9	4.6	.918	None		
SBR67-1975	385-390	21220	1.6	1.9	96.0	.5	4.1a	4.6		None		
SBR67-1976	390-395	21221	.4	1.6	97.3	.7	1.0a	3.8		None		
SBR67-1977	395-400	21222	.2	1.4	98.1	.3	.5a	3.4		None		
SBR67-1978	400-401	21230	.4	.5	98.6	.5	1.2a	1.2		None	Start Core	
SBR67-1979	401-402	21231	.3	.8	98.5	.4	.8a	1.9		None		
SBR67-1980	402-403	21232	.6	1.3	97.5	.6	1.5a	3.2		None		
SBR67-1981	403-404	21233	.4	.9	98.3	.4	1.1a	2.2		None		
SBR67-1982	404-405	21234	.2	.9	98.2	.7	.5a	2.3		None		
SBR67-1983	405-406	21235	.1	.9	98.7	.3	.3a	2.2		None		
SBR67-1984	406-407	21236	.4	2.4	96.7	.5	1.1a	5.6		None		
SBR67-1985	407-408	21237	.3	1.3	97.9	.5	.8a	3.1		None		
SBR67-1986	408-409	21238	.3	1.1	98.2	.4	.8a	2.6		None		
SBR67-1987	409-410	21239	.4	.8	98.3	.5	.9a	1.9		None		
SBR67-1988	410-411	21240	.5	.6	98.4	.5	1.2a	1.4		None		
SBR67-1989	411-412	21241	.5	.8	97.8	.9	1.3a	1.8		None		
SBR67-1990	412-413	21242	.3	.8	98.0	.9	.7a	2.0		None		
SBR67-1991	413-414	21243	.3	1.1	98.1	.5	.8a	2.6		None		
SBR67-1992	414-415	21244	.5	1.5	97.4	.6	1.2a	3.6		None		
SBR67-1993	415-416	21245	.3	1.7	97.3	.7	.8a	4.1		None		

See footnotes at end of table.

Core and drill cutting samples received December 2, 1966; assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-4055P Sheet No. 2 of 10 sheets April 17, 1967

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Western Oil Shale Corporation's Core Test 1-2 (Con.)

Surface elevation 5,420 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	
SBR67-1994	416-417	21246	0.4	1.7	96.9	1.0	1.2a	4.1		None	
SBR67-1995	417-418	21247	.7	2.0	96.3	1.0	1.8a	4.8		None	
SBR67-1996	418-419	21248	.5	2.8	96.1	.6	1.3a	6.7		None	
SBR67-1997	419-420	21249	1.5	2.5	95.1	.9	3.8a	6.0		None	
SBR67-1998	420-421	21250	1.4	3.5	94.0	1.1	3.7a	8.4		None	
SBR67-1999	421-422	21251	2.2	3.0	93.6	1.2	5.8	7.2	0.924	None	
SBR67-2000	422-423	21252	5.3	3.0	90.2	1.5	13.9	7.2	.914	None	
SBR67-2001	423-424	21253	2.5	2.9	93.4	1.2	6.6	7.0	.918	None	
SBR67-2002	424-425	21254	.8	1.9	97.0	.3	2.1a	4.6		None	
SBR67-2003	425-426	21255	2.5	2.2	94.2	1.1	6.5	5.3	.920	None	
SBR67-2004	426-427	21256	1.8	2.1	95.8	.3	4.6a	5.0		None	
SBR67-2005	427-428	21257	2.9	2.2	93.8	1.1	7.6	5.3	.917	None	
SBR67-2006	428-429	21258	2.9	2.0	94.5	.6	7.6	4.8	.911	None	
SBR67-2007	429-430	21259	5.1	2.0	91.9	1.0	13.3	4.8	.909	None	
SBR67-2008	430-431	21260	3.5	2.6	91.8	2.1	9.0	6.2	.924	None	
SBR67-2009	431-432	21261	2.4	2.1	94.6	.9	6.3	5.0	.925	None	
SBR67-2010	432-433	21262	1.9	2.2	95.6	.3	4.9a	5.3		None	
SBR67-2011	433-434	21263	2.1	1.5	95.5	.9	5.4	3.6	.921	None	
SBR67-2012	434-435	21264	2.2	1.3	95.4	1.1	5.7	3.1	.925	None	
SBR67-2013	435-436	21265	2.4	1.9	94.3	1.4	6.2	4.6	.922	None	
SBR67-2014	436-437	21266	2.7	2.2	93.0	2.1	7.1	5.3	.922	None	
SBR67-2015	437-438	21267	3.0	2.6	93.5	.9	7.7	6.4	.927	None	
SBR67-2016	438-439	21268	3.0	2.2	93.5	1.3	7.9	5.2	.919	None	
SBR67-2017	439-440	21269	3.7	3.2	92.0	1.1	9.7	7.7	.924	None	
SBR67-2018	440-441	21270	2.2	3.2	93.1	1.5	5.8	7.7	.923	None	
SBR67-2019	441-442	21271	3.7	2.8	92.5	1.0	9.7	6.6	.921	None	
SBR67-2020	442-443	21272	3.9	3.0	91.5	1.6	10.3	7.2	.918	None	
SBR67-2021	443-444	21273	3.1	2.4	93.3	1.2	8.1	5.8	.917	None	
SBR67-2022	444-445	21274	3.2	2.6	93.2	1.0	8.4	6.2	.918	None	
SBR67-2023	445-446	21275	2.9	2.7	92.7	1.7	7.6	6.5	.921	None	

See footnotes at end of table.

Core and drill cutting samples received December 2, 1966; assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-4055P Sheet No. 3 of 10 sheets April 17, 1967

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Western Oil Shale Corporation's Core Test 1-2 (Con.)

Surface elevation 5,420 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	
SBR67-2024	446	-447	21276	3.6	2.6	92.5	1.3	9.3	6.2	0.923		None	
SBR67-2025	447	-448	21277	2.2	2.7	93.3	1.8	5.8	6.5	.922		None	
SBR67-2026	448	-449	21278	2.5	2.5	93.2	1.8	6.5	6.0	.924		None	
SBR67-2027	449	-450	21279	3.5	2.1	93.3	1.1	9.2	5.0	.919		None	
SBR67-2028	450	-451	21280	1.9	2.3	94.6	1.2	5.0a	5.5			None	
SBR67-2029	451	-452	21281	1.4	3.0	94.5	1.1	3.5a	7.2			None	
SBR67-2030	452	-453	21282	.6	2.8	95.2	1.4	1.5a	6.7			None	
SBR67-2031	453	-454	21283	.5	2.4	96.3	.8	1.2a	5.8			None	
SBR67-2032	454	-455	21284	.2	2.8	96.3	.7	.5a	6.7			None	
SBR67-2033	455	-456	21285	.4	2.6	95.7	1.3	1.1a	6.2			None	
SBR67-2034	456	-457	21286	.2	3.5	95.4	.9	.4a	8.4			None	
SBR67-2035	457	-458	21287	1.3	2.8	94.9	1.0	3.4a	6.7			None	
SBR67-2036	458	-459	21288	1.7	3.4	93.7	1.2	4.5a	8.1			None	
SBR67-2037	459	-460	21289	3.9	2.5	92.3	1.3	10.1	6.0	.918		None	
SBR67-2038	460	-461	21290	3.2	1.9	94.1	.8	8.3	4.6	.922		None	
SBR67-2039	461	-462	21291	3.0	3.0	92.8	1.2	7.6	7.2	.925		None	
SBR67-2040	462	-463	21292	2.5	4.2	90.8	2.5	6.5	10.1	.921		None	
SBR67-2041	463	-464	21293	3.0	3.4	92.1	1.5	7.7	8.1	.921		None	
SBR67-2042	464	-465	21294	3.1	3.2	93.4	.3	8.1	7.7	.924		None	
SBR67-2043	465	-466	21295	5.8	.3	92.7	1.2	15.7	.7	.887		None	
SBR67-2044	466	-467	21296	6.1	.1	93.4	.4	16.4	.1	.891		None	
SBR67-2045	467	-468	21297	4.5	1.0	93.2	1.3	12.0	2.4	.906		None	
SBR67-2046	468	-469	21298	4.6	1.6	92.9	.9	12.0	3.8	.920		None	
SBR67-2047	469	-470	21299	3.6	1.1	93.9	1.4	9.4	2.6	.925		None	
SBR67-2048	470.5-471.5		21300	2.7	1.2	94.9	1.2	7.0	2.9	.929		None	
SBR67-2049	471.5-472.5		21335	2.3	1.2	95.5	1.0	5.9	2.9	.928		None	
SBR67-2050	472.5-473.5		21301	1.6	1.0	96.5	.9	4.1a	2.4			None	
SBR67-2051	473.5-474.5		21302	1.6	.7	96.9	.8	4.2a	1.7			None	
SBR67-2052	474.5-475.5		21303	3.6	1.0	94.8	.6	9.3	2.4	.922		None	
SBR67-2053	475.5-476.5		21305	2.9	1.4	95.1	.6	7.4	3.4	.926		None	

See footnotes at end of table.

Core and drill cutting samples received December 2, 1966; assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-4055P Sheet No. 4 of 10 sheets April 17, 1967

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Western Oil Shale Corporation's Core Test 1-2 (Con.)

Surface elevation 5,420 feet

Sample number		Run No.	Yield of product				Specific gravity of oil at 60°/60° F		Properties of spent shale Tendency to coke		Remarks
			Weight percent		Gal per ton						
Laramie	Their		Oil	Water	Spent shale	Gas + loss	Oil ^{1/}	Water			
SBR67-2054	476.5-477.5	21306	1.4	1.2	96.4	1.0	3.7a	2.8		None	
SBR67-2055	477.5-478.5	21307	1.7	1.1	96.5	.7	4.4a	2.6		None	
SBR67-2056	478.5-479.5	21308	1.6	1.6	95.9	.9	4.2a	3.8		None	
SBR67-2057	479.5-480.5	21310	2.9	1.6	94.7	.8	7.6	3.8	0.921	None	
SBR67-2058	480.5-481.5	21311	2.8	1.3	94.9	1.0	7.3	3.1	.925	None	
SBR67-2059	481.5-482.5	21312	2.5	1.4	95.1	1.0	6.5	3.4	.930	None	
SBR67-2060	482.5-483.5	21313	2.5	1.4	94.6	1.5	6.4	3.4	.932	None	
SBR67-2061	483.5-484.5	21314	1.0	1.6	96.4	1.0	2.6a	3.8	.920	None	
SBR67-2062	484.5-485.5	21315	3.2	1.7	94.4	.7	8.2	4.1	.926	None	
SBR67-2063	485.5-486.5	21316	3.6	1.5	93.7	1.2	9.2	3.6	.927	None	
SBR67-2064	486.5-487.5	21317	2.2	1.5	95.4	.9	5.7	3.6	.926	None	
SBR67-2065	487.5-488.5	21318	4.3	1.5	92.4	1.8	11.1	3.6	.926	None	
SBR67-2066	488.5-489.5	21319	4.5	1.4	92.7	1.4	11.7	3.2	.920	None	
SBR67-2067	489.5-490.5	21320	5.0	.5	94.0	.5	13.1	1.2	.908	None	
SBR67-2068	490.5-491.5	21321	4.2	1.4	92.8	1.6	11.0	3.2	.926	None	
SBR67-2069	491.5-492.5	21322	1.8	1.2	96.2	.8	4.6a	3.0		None	
SBR67-2070	492.5-493.5	21323	1.2	1.0	97.4	.4	3.2a	2.4		None	
SBR67-2071	493.5-494.5	21324	1.1	1.1	97.1	.7	2.9a	2.5		None	
SBR67-2072	494.5-495.5	21325	.6	1.0	97.8	.6	1.5a	2.5		None	
SBR67-2073	495.5-496.5	21326	.7	.9	98.2	.2	1.7a	2.2		None	
SBR67-2074	496.5-497.5	21327	.4	1.1	98.3	.2	1.1a	2.5		None	
SBR67-2075	497.5-498.5	21328	.3	1.0	98.4	.3	.8a	2.4		None	
SBR67-2076	498.5-499.5	21329	.4	2.0	96.9	.7	1.2a	4.8		None	
SBR67-2077	499.5-500.5	21330	.7	2.0	96.8	.5	1.9a	4.8		None	
SBR67-2078	500.5-501.5	21331	1.3	2.0	96.0	.7	3.3a	4.8		None	
SBR67-2079	501.5-502.5	21332	.9	2.4	95.9	.8	2.3a	5.9		None	
SBR67-2080	502.5-503.5	21333	.6	1.3	97.5	.6	1.6a	3.1		None	
SBR67-2081	503.5-504.5	21334	.6	1.6	97.4	.4	1.7a	3.7		None	
SBR67-2082	504.5-505.5	21336	.4	1.0	97.9	.7	1.1a	2.3		None	
SBR67-2083	505.5-506.5	21337	.1	.9	98.3	.7	.3a	2.2		None	

See footnotes at end of table.

Core and drill cutting samples received December 2, 1966; assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-4055P Sheet No. 5 of 10 sheets April 17, 1967

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Western Oil Shale Corporation's Core Test 1-2 (Con.)

Surface elevation 5,420 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
SBR67-2084	506.5-507.5	21338	0.2	0.6	98.3	0.9	0.4a	1.6		
SBR67-2085	507.5-508.5	21339	.8	.3	98.5	.4	2.2a	.7		
SBR67-2086	508.5-509.5	21340	1.2	.0	98.2	.6	3.2a	.0		
SBR67-2087	509.5-510.5	21341	.2	.5	98.8	.5	.4a	1.3		
SBR67-2088	510.5-511.5	21342	.3	.7	98.2	.8	.9a	1.7		
SBR67-2089	511.5-512.5	21343	.8	1.5	97.0	.7	2.0a	3.6		
SBR67-2090	512.5-513.5	21344	.8	1.1	97.4	.7	2.2a	2.6		
SBR67-2091	513.5-514.5	21345	.8	1.8	96.9	.5	2.0a	4.3		
SBR67-2092	514.5-515.5	21346	.5	1.0	98.1	.4	1.2a	2.4		
SBR67-2093	515.5-516.5	21347	.4	.7	98.4	.5	1.1a	1.7		
SBR67-2094	516.5-517.5	21348	.4	1.2	98.0	.4	1.1a	2.9		
SBR67-2095	517.5-518.5	21349	.5	.8	98.1	.6	1.4a	1.8		
SBR67-2096	518.5-519.5	21350	.9	.9	97.7	.5	2.4a	2.2		
SBR67-2097	519.5-520.5	21351	.7	1.4	97.8	.1	1.8a	3.4		
SBR67-2098	520.5-521.5	21352	.8	1.5	97.3	.4	2.0a	3.7		
SBR67-2099	521.5-522.5	21353	.6	1.4	97.8	.2	1.7a	3.2		
SBR67-2100	522.5-523.5	21354	.4	1.1	98.1	.4	.9a	2.6		
SBR67-2101	523.5-524.5	21355	.3	.9	98.5	.3	.8a	2.2		
SBR67-2102	524.5-525.5	21356	.5	1.4	98.0	.1	1.3a	3.4		
SBR67-2103	525.5-526.5	21357	.5	1.4	97.8	.3	1.2a	3.5		
SBR67-2104	526.5-527.5	21358	.4	.9	98.6	.1	1.0a	2.2		
SBR67-2105	527.5-528.5	21359	.4	1.3	98.0	.3	1.1a	3.1		
SBR67-2106	528.5-529.5	21360	.4	1.0	98.3	.3	.9a	2.4		
SBR67-2107	529.5-530.5	21361	.3	1.4	98.0	.3	.7a	3.4		
SBR67-2108	530.5-531.5	21362	.4	1.3	98.0	.3	1.2a	3.1		
SBR67-2109	531.5-532.5	21363	.5	1.6	97.7	.2	1.2a	3.8		
SBR67-2110	532.5-533.5	21364	.9	1.5	97.3	.3	2.2a	3.6		
SBR67-2111	533.5-534.5	21365	3.6	2.0	93.3	1.1	9.4	4.7	0.914	
SBR67-2112	534.5-535.5	21366	7.8	1.9	89.3	1.0	20.6	4.7	.907	
SBR67-2113	535.5-536.5	21367	3.3	2.0	93.9	.8	8.7	4.7	.915	

See footnotes at end of table.

Core and drill cutting samples received December 2, 1966; assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-4055P Sheet No. 6 of 10 sheets April 17, 1967

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Western Oil Shale Corporation's Core Test 1-2 (Con.)

Surface elevation 5,420 feet

Surface elevation 5,420 feet			Yield of product						Specific gravity of oil at 60°/60° F	Properties of	Remarks
Sample number		Run No.	Weight percent		Spent shale	Gas + loss	Gal per ton			spent shale	
			Oil	Water			Oil ^{1/}	Water		Tendency to coke	
Laramie	Their										
SBR67-2114	536.5-537.5	21368	5.5	2.0	90.7	1.8	14.5	4.8	0.912	None	
SBR67-2115	537.5-538.5	21369	12.1	1.8	83.5	2.6	31.7	4.3	.912	None	
SBR67-2116	538.5-539.5	21370	4.3	1.1	93.7	.9	11.1	2.6	.920	None	
SBR67-2117	539.5-540.5	21371	4.4	.8	92.8	2.0	11.4	1.8	.923	None	
SBR67-2118	540.5-541.5	21372	3.2	1.1	94.1	1.6	8.2	2.6	.924	None	
SBR67-2119	541.5-542.5	21373	6.9	.9	91.0	1.2	18.0a	2.2		None	
SBR67-2120	542.5-543.5	21374	8.0	.6	89.5	1.9	20.8	1.4	.917	None	
SBR67-2121	543.5-544.5	21375	8.4	1.5	88.5	1.6	21.9	3.6	.915	None	
SBR67-2122	544.5-545.5	21376	9.0	1.1	88.7	1.2	24.2	2.6	.891	None	
SBR67-2123	545.5-546.5	21377	7.2	1.0	90.4	1.4	19.1	2.5	.902	None	
SBR67-2124	546.5-547.5	21378	5.3	1.2	92.0	1.5	13.8	2.9	.916	None	
SBR67-2125	547.5-548.5	21379	3.9	1.2	94.1	.8	10.2	2.9	.917	None	
SBR67-2126	548.5-549.5	21380	2.5	1.1	95.5	.9	6.5	2.6	.921	None	
SBR67-2127	549.5-550.5	21381	5.8	1.2	91.9	1.1	15.0	2.9	.924	None	
SBR67-2128	550.5-551.5	21382	5.5	1.0	91.2	2.3	14.5	2.4	.913	None	
SBR67-2129	551.5-552.5	21383	2.2	.8	96.4	.6	5.9	1.8	.916	None	
SBR67-2130	552.5-553.5	21384	.9	.4	98.2	.5	2.3a	1.1		None	
SBR67-2131	553.5-554.5	21385	1.4	.3	97.2	1.1	3.6a	.8		None	
SBR67-2132	554.5-555.5	21386	1.7	.6	96.9	.8	4.5a	1.4		None	
SBR67-2133	555.5-556.5	21387	1.8	.8	97.1	.3	4.7a	1.8		None	
SBR67-2134	556.5-557.5	21388	2.6	.8	95.8	.8	6.6	1.9	.923	None	
SBR67-2135	557.5-558.5	21389	6.4	.7	92.8	.5	17.4	1.6	.882	None	
SBR67-2136	558.5-559.5	21390	2.3	.5	95.9	1.3	6.2	1.2	.911	None	
SBR67-2137	559.5-560.5	21391	1.5	.4	97.3	.8	3.9a	1.1		None	
SBR67-2138	560.5-561.5	21392	1.6	.6	97.4	.4	4.3a	1.4		None	
SBR67-2139	561.5-562.5	21393	1.8	.4	96.9	.9	4.7a	1.0		None	
SBR67-2140	562.5-563.5	21394	2.7	.8	95.9	.6	7.2	1.8	.905	None	
SBR67-2141	563.5-564.5	21395	4.2	.8	93.7	1.3	10.8	2.0	.928	None	
SBR67-2142	564.5-565.5	21396	6.0	.8	91.2	2.0	15.6	2.0	.916	None	
SBR67-2143	565.5-566.5	21397	9.5	.8	87.9	1.8	24.6	2.0	.920	None	

See footnotes at end of table.

Core and drill cutting samples received December 2, 1966; assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-4055P Sheet No. 7 of 10 sheets April 17, 1967

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Western Oil Shale Corporation's Core Test 1-2 (Con.)

Surface elevation 5,420 feet

Sample number		Run No.	Yield of product				Specific gravity of oil at 60°/60° F		Properties of spent shale	Remarks
Laramie	Their		Weight percent		Spent shale	Gas + loss	Gal per ton		Tendency to coke	
			Oil	Water			Oil ^{1/}	Water		
SBR67-2144	566.5-567.5	21398	8.0	0.7	89.9	1.4	20.9	1.8	.912	None
SBR67-2145	567.5-568.5	21399	6.8	.8	90.6	1.8	18.1	1.8	.900	None
SBR67-2146	568.5-569.5	21400	6.7	.7	90.9	1.7	17.6	1.8	.905	None
SBR67-2147	569.5-570.5	21401	10.2	.7	85.8	3.3	26.6	1.7	.917	None
SBR67-2148	570.5-571.5	21402	15.5	1.0	81.2	2.3	40.9	2.4	.909	None
SBR67-2149	571.5-572.5	21403	9.8	.7	87.5	2.0	25.7	1.7	.910	None
SBR67-2150	572.5-573.5	21404	13.4	.8	82.5	3.3	35.4	1.9	.907	None
SBR67-2151	573.5-574.5	21405	14.8	.8	81.4	3.0	39.5	1.8	.901	None
SBR67-2152	574.5-575.5	21406	24.8	1.8	69.5	3.9	65.9	4.3	.903	Medium
SBR67-2153	576.5-577.5	21407	18.2	.8	77.3	3.7	48.3	2.0	.901	Medium
SBR67-2154	577.5-578.5	21408	21.4	1.3	70.5	6.8	56.8	3.1	.905	Medium
SBR67-2155	578.5-579.5	21409	9.6	.9	86.6	2.9	25.3	2.2	.911	None
SBR67-2156	579.5-580.5	21410	7.0	.7	90.0	2.3	18.3	1.6	.921	None
SBR67-2157	580.5-581.5	21411	7.6	.7	90.0	1.7	19.8	1.8	.914	None
SBR67-2158	581.5-582.5	21412	13.1	.8	81.2	4.9	34.4	2.0	.913	None
SBR67-2159	582.5-583.5	21413	6.3	.6	92.1	1.0	16.5	1.3	.918	None
SBR67-2160	583.5-584.5	21414	5.9	.5	91.4	2.2	15.4	1.2	.923	None
SBR67-2161	584.5-585.5	21415	6.5	.5	92.1	.9	17.1	1.1	.913	None
SBR67-2162	585.5-586.5	21416	8.3	.6	89.1	2.0	21.9	1.4	.906	None
SBR67-2163	586.5-587.5	21417	20.6	1.1	76.0	2.3	54.8	2.6	.900	Medium
SBR67-2164	587.5-588.5	21418	18.4	1.1	77.6	2.9	49.1	2.6	.897	Medium
SBR67-2165	588.5-589.5	21419	7.4	.5	90.1	2.0	19.2a	1.2	.900	None
SBR67-2166	589.5-590.5	21420	5.6	.5	92.2	1.7	14.5a	1.3	.900	None
SBR67-2167	590.5-591.5	21421	13.2	.8	82.8	3.2	34.8	1.9	.905	None
SBR67-2168	591.5-592.5	21422	7.0	.6	90.4	2.0	18.4	1.6	.911	None
SBR67-2169	592.5-593.5	21423	3.2	.8	95.3	.7	8.3	2.0	.911	None
SBR67-2170	593.5-594.5	21424	3.6	1.0	93.9	1.5	9.5	2.4	.909	None
SBR67-2171	594.5-595.5	21425	15.3	1.7	79.8	3.2	39.8	4.1	.919	None
SBR67-2172	595.5-596.5	21426	5.1	.6	92.1	2.2	13.3	1.6	.917	None
SBR67-2173	596.5-597.5	21427	1.9	1.2	95.6	1.3	5.0a	2.9	.900	None

See footnotes at end of table.

Core and drill cutting samples received December 2, 1966; assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-4055P Sheet No. 8 of 10 sheets April 17, 1967

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Western Oil Shale Corporation's Core Test 1-2 (Con.)

Surface elevation 5,420 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				Tendency to		
Laramie	Their		Oil	Water					Oil ^{1/}	Water		coke
SBR67-2174	597.5-598.5	21428	2.9	0.7	95.5	0.9	7.5	1.8	0.922	None		
SBR67-2175	598.5-599.5	21429	3.2	.4	95.1	1.3	8.4	1.0	.918	None		
SBR67-2176	599.5-600.5	21430	1.8	.6	96.9	.7	4.7a	1.4	.920	None		
SBR67-2177	600.5-601.5	21431	3.9	1.3	93.5	1.3	10.4	3.1	.903	None		
SBR67-2178	601.5-602.5	21432	8.4	1.3	88.2	2.1	22.3	3.1	.904	None		
SBR67-2179	602.5-603.5	21433	15.1	1.0	82.1	1.8	40.8	2.4	.889	None		
SBR67-2180	603.5-604.5	21434	12.6	.6	85.3	1.5	33.9	1.4	.887	None		
SBR67-2181	604.5-605.5	21435	8.4	.5	89.4	1.7	22.3	1.2	.900	None		
SBR67-2182	605.5-606.5	21436	11.2	1.2	85.1	2.5	30.1	2.9	.895	None		
SBR67-2183	606.5-607.5	21437	8.1	.7	88.9	2.3	21.6	1.8	.897	None		
SBR67-2184	607.5-608.5	21438	7.8	.9	90.0	1.3	20.7	2.2	.899	None		
SBR67-2185	608.5-609.5	21439	5.2	1.0	92.4	1.4	13.7	2.4	.912	None		
SBR67-2186	609.5-610.5	21440	4.2	1.0	93.1	1.7	10.9	2.4	.917	None		
SBR67-2187	610.5-611.5	21441	4.6	.8	93.7	.9	11.9	1.9	.919	None		
SBR67-2188	611.5-612.5	21442	9.6	1.1	88.5	.8	25.1	2.6	.916	None		
SBR67-2189	612.5-613.5	21444	3.2	.7	95.1	1.0	8.2	1.8	.917	None		
SBR67-2190	613.5-614.5	21445	3.9	.5	94.1	1.5	10.3	1.2	.919	None		
SBR67-2191	614.5-615.5	21446	.8	.0	98.4	.8	2.0a	.0		None		
SBR67-2192	615.5-616.5	21447	1.2	.0	98.2	.6	3.2a	.0		None		
SBR67-2193	616.5-617.5	21448	2.7	.5	96.7	.1	7.2	1.1	.903	None		
SBR67-2194	617.5-618.5	21449	9.4	.7	88.6	1.3	25.3	1.7	.893	None		
SBR67-2195	618.5-619.5	21450	1.8	.8	96.4	1.0	4.7a	1.8		None		
SBR67-2196	619.5-620.5	21451	.8	.8	98.0	.4	2.1a	1.9		None		
SBR67-2197	620.5-621.5	21452	1.0	1.5	97.0	.5	2.7a	3.6		None		
SBR67-2198	621.5-622.5	21453	4.9	.7	93.1	1.3	12.7	1.8	.917	None		
SBR67-2199	622.5-623.5	21454	1.6	1.0	96.6	.8	4.2a	2.4		None		
SBR67-2200	623.5-624.5	21459	1.9	.8	96.8	.5	4.9a	2.0		None		
SBR67-2201	624.5-625.5	21460	3.0	.8	95.3	.9	7.8	1.9	.914	None		
SBR67-2202	625.5-626.5	21461	8.7	.8	89.0	1.5	22.7	1.9	.923	None		
SBR67-2203	626.5-627.5	21462	1.6	1.4	96.2	.8	4.3a	3.4		None		

See footnotes at end of table.

Core and drill cutting samples received December 2, 1966; assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-4055P Sheet No. 9 of 10 sheets April 17, 1967

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Western Oil Shale Corporation's Core Test 1-2 (Con.)

Surface elevation 5,420 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	
SBR67-2204	627.5-628.5	21463	7.4	1.2	89.8	1.6	19.3	3.0	0.917	None	
SBR67-2205	628.5-629.5	21464	7.1	.9	91.6	.4	18.6	2.2	.915	None	
SBR67-2206	629.5-630.5	21465	1.3	.2	98.4	.1	3.4a	.5		None	
SBR67-2207	630.5-631.5	21466	2.2	.5	97.0	.3	5.6	1.2	.918	None	
SBR67-2208	631.5-632.5	21467	1.8	1.0	96.1	1.1	4.8a	2.4		None	
SBR67-2209	632.5-633.5	21468	1.4	.2	97.9	.5	3.8a	.4		None	
SBR67-2210	633.5-634.5	21469	1.3	.1	98.3	.3	3.4a	.1		None	
SBR67-2211	634.5-635.5	21470	.3	.1	99.1	.5	.7a	.4		None	

^{1/} "a"--indicates specific gravity estimated as 0.92. Oil yields were estimated by a rapid test-tube method: "No oil",
 "b"--less than 1 gal oil/ton, "c"--1 to 3 gal oil/ton,

Core and drill cutting samples received December 2, 1966; assays made on air-dried samples

Laramie Petroleum Research Center, Laramie Wyoming, Illustration No. SBR-4055P Sheet No.10 of 10 sheets April 17, 1967