

40-127
70-23
240-17

4-31

?

Plotted 4-28-65
252' of 15 gal
65' of 25 gal
48' of 30 gal

OIL SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Skyline Oil Company's, Skyline-Robertson corehole No. 1 drilled 2420 feet east of west line and 2200 north of south line, Sec. 5, T. 11 S., R. 25 E., Uintah County, Utah

Surface elevation 5,533.4 feet

Mahogany marker at 433.0 feet

mahogany marker 5086.9

Sample number		Run No.	Yield of product				Gal. per ton		Specific gravity of oil at 60°/60° F.	Properties of spent shale	Remarks
Laramie	Their		Oil	Water	Spent shale	Gas + loss	Oil	Water		Tendency to coke	
SR59-1619	20-21	62818	7.1	1.3	90.2	1.4	18.7	3.1	0.915	None	
SR59-1620	21-22	62819	12.7	1.6	83.3	2.4	33.1	3.8	.917	None	
SR59-1621	22-23	62820	3.4	.95	94.8	.9	8.6	2.3	.935	None	
SR59-1622	23-24	62821	3.1	.7	95.6	.6	8.0	1.6	.935	None	
SR59-1623	24-25	62822	2.7	1.4	95.2	.7	6.9	3.2	.937	None	
SR59-1624	25-25.8	62823	1.6	1.9	96.2	.3	4.1a	4.6		None	
SR59-1625	25.8-27	62824	2.6	1.5	95.5	.4	6.7	3.5	.939	None	
SR59-1626	27-28	62825	2.5	1.4	95.3	.8	6.3	3.5	.943	None	
SR59-1627	28-29.5	62826	2.3	1.2	95.9	.6	5.7	3.0	.945	None	
SR59-1628	29.5-31.5	62827	1.5	.8	97.5	.2	3.9a	1.8		None	
SR59-1629	31.5-32.5	62828	4.7	1.0	93.3	1.0	12.0	2.5	.931	None	
SR59-1630	32.5-33.9	62829	11.2	2.0	84.9	1.9	28.8	4.8	.928	Slight	
SR59-1631	33.9-35.5	62830	4.1	1.2	93.8	.9	10.6	3.0	.928	None	
SR59-1632	35.5-36.5	62831	2.6	1.8	94.8	.8	6.5	4.3	.945	None	
SR59-1633	36.5-37.5	62832	2.9	1.4	94.8	.9	7.4	3.4	.948	None	
SR59-1634	37.5-39.6	62833	1.3	1.2	96.9	.6	3.3a	2.9		None	
SR59-1635	39.6-40.8	62834	1.3	.9	97.3	.5	3.5a	2.2		None	
SR59-1636	40.8-41.8	62835	2.3	.9	95.9	.9	5.8	2.2	.942	None	
SR59-1637	41.8-42.8	62836	1.9	1.0	96.3	.8	4.8a	2.4		None	
SR59-1638	42.8-43.8	62837	.3	.8	98.2	.7	.8a	1.8		None	
SR59-1639	43.8-51.1	62838	1.9	1.2	95.9	1.0	5.0a	2.9		None	
SR59-1640	51.1-52.1	62839	2.0	1.3	96.0	.7	5.2	3.1	.944	None	
SR59-1641	52.1-53.4	62840	1.6	.3	97.3	.8	4.1a	.8		None	
SR59-1642	53.4-55.0	62841	.8	1.1	97.3	.8	2.1a	2.6		None	
SR59-1643	55.0-59.4	62842	.9	1.2	97.2	.7	2.4a	2.9		None	
SR59-1644	59.4-60.4	62843	2.8	1.7	94.5	1.0	7.1	4.1	.956	None	
SR59-1645	60.4-61.4	62844	4.2	1.5	92.9	1.4	10.8	3.6	.940	None	
SR59-1646	61.4-62.5	62845	9.4	1.3	87.2	2.1	24.2	3.1	.928	Slight	
SR59-1647	62.5-63.5	62846	3.7	1.1	94.4	.8	9.5	2.6	.934	Slight	
SR59-1648	63.5-64.5	62847	3.0	1.0	95.2	.8	7.7	2.4	.946	None	

a Specific gravity estimated due to insufficient oil.

Core samples received September 17, 1959; assays made on air-dried samples.

Laramie Petroleum Research Center, Laramie, Wyoming. Illustration No. SR-2394P

October 19, 1959

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Skyline Oil Company's, Skyline-Robertson corehole No. 1 drilled 2420 feet east of west line and 2200 north of south line, Sec. 5, T. 11 S., R. 25 E., Uintah County, Utah

Surface elevation 5,533.4 feet

Mahogany marker at 433.0 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	Thier		Oil	Water					Oil	Water		coke
SBR59-4649	64.5-65.5	62848	3.0	0.5	96.1	0.4	7.7	1.3	0.929	None		
SBR59-4650	65.5-66.5	62849	2.5	.4	96.7	.4	6.5	1.0	.926	None		
SBR59-4651	66.5-68.4	62850	1.6	.3	97.9	.2	4.2a	.7		None		
SBR59-4652	68.4-69.4	62851	2.4	.3	96.8	.5	6.2	.7	.930	None		
SBR59-4653	69.4-70.5	62852	3.3	.4	95.8	.5	8.5	1.1	.926	None		
SBR59-4654	70.5-72.0	62853	4.4	.3	94.5	.8	11.4	.7	.920	None		
SBR59-4655	72.0-73.0	62854	6.1	.6	91.9	1.4	15.7	1.6	.926	None		
SBR59-4656	73.0-74.0	62855	4.9	.6	93.2	1.3	12.6	1.4	.932	None		
SBR59-4657	74.0-75.0	62856	5.3	.5	92.9	1.3	12.8	1.2	.923	None		
SBR59-4658	75.0-76.0	62857	9.7	.6	87.9	1.8	25.5	1.6	.909	Slight		
SBR59-4659	76.0-77.0	62858	4.8	.5	93.6	1.1	12.3	1.2	.925	None		
SBR59-4660	77.0-78.0	62859	3.0	.5	95.7	.8	7.6	1.2	.937	None		
SBR59-4661	78.0-79.0	62860	2.4	.4	96.1	.9	6.6	1.1	.934	None		
SBR59-4662	79.0-80.0	62861	2.3	.2	97.0	.5	6.0	.4	.929	None		
SBR59-4663	80.0-81.0	62862	2.0	.3	97.2	.5	5.2a	.8		None		
SBR59-4664	81.0-82.0	62863	2.2	.2	97.0	.6	5.6	.5	.928	None		
SBR59-4665	82.0-83.0	62864	1.7	.2	97.6	.5	4.3a	.5		None		
SBR59-4666	83.0-84.0	62865	1.1	.3	98.1	.5	2.9a	.6		None		
SBR59-4667	84.0-85.0	62866	1.3	.3	97.7	.7	3.5a	.6		None		
SBR59-4668	85.0-86.0	62867	1.4	.2	97.8	.6	3.6a	.6		None		
SBR59-4669	86.0-88.0	62868	1.4	.5	97.5	.6	3.6a	1.2		None		
SBR59-4670	88.0-89.5	62869	1.9	.7	96.8	.6	5.0a	1.7		None		
SBR59-4671	89.5-90.8	62870	9.2	1.2	87.8	1.8	23.9	2.9	.923	Slight		
SBR59-4672	90.8-92.0	62871	3.9	.6	94.3	1.2	9.9	1.4	.940	None		
SBR59-4673	92.0-93.0	62872	2.2	.4	96.4	1.0	5.7	1.0	.934	None		
SBR59-4674	93.0-94.0	62873	1.6	.2	97.7	.5	4.1a	.5		None		
SBR59-4675	94.0-95.0	62874	1.3	.1	97.9	.7	3.3a	.4		None		
SBR59-4676	95.0-96.0	62875	1.5	.1	97.4	1.0	3.8a	.1		None		
SBR59-4677	96.0-97.0	62876	1.6	.2	97.6	.6	4.0a	.6		None		
SBR59-4678	97.0-98.0	62877	1.8	.4	97.3	.5	4.8a	.8		None		

A - Specific gravity estimated due to insufficient oil.

Core samples received September 17, 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. 1 drilled 2420 feet east of west line and 2200 north of south line, Sec. 5, T. 11 S. R. 25 E., Uintah County, Utah

Surface elevation 5,533.4 feet

Mahogany marker at 433.0 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		
Laramie	Their		Oil	Water							Oil	Water
SBR59-1679	98.0-99.8	62878	1.5	0.6	97.4	0.5	3.9a	1.3			None	
SBR59-1680	99.8-101.0	62879	.7	.4	98.8	.1	1.8a	1.1			None	
SBR59-1681	101.0-102.0	62880	2.3	.4	96.9	.4	5.8	1.0	0.930		None	
SBR59-1682	102.0-103.0	62881	3.5	.4	95.3	.8	9.0	.8	.937		None	
SBR59-1683	103.0-104.0	62882	2.5	.5	96.3	.7	6.5	1.2	.935		None	
SBR59-1684	104.0-105.0	62883	2.1	.3	96.9	.7	5.3	.8	.934		None	
SBR59-1685	105.0-106.0	62884	2.3	.4	96.7	.6	5.9	.8	.938		None	
SBR59-1686	106.0-107.0	62885	2.7	.2	96.2	.9	6.9	.6	.936		None	
SBR59-1687	107.0-108.0	62886	1.8	.3	97.4	.5	4.6a	.8			None	
SBR59-1688	108.0-109.0	62887	4.0	.2	94.8	1.0	10.2	.6	.929		None	
SBR59-1689	109.0-110.0	62888	13.2	.8	83.4	2.6	34.2	1.8	.926		Medium	
SBR59-1690	110.0-111.0	62889	3.9	.4	94.5	1.2	9.8	1.0	.946		None	
SBR59-1691	111.0-112.0	62890	3.2	.4	95.6	.8	8.2	1.0	.943		None	
SBR59-1692	112.0-113.0	62891	2.7	.3	96.2	.8	6.9	.6	.939		None	
SBR59-1693	113.0-114.0	62892	2.6	.2	96.2	1.0	6.6	.6	.938		None	
SBR59-1694	114.0-115.0	62893	2.7	.2	96.2	.9	6.9	.6	.934		None	
SBR59-1695	115.0-116.0	62894	2.9	.4	95.9	.8	7.3	1.1	.941		None	
SBR59-1696	116.0-117.0	62895	2.8	.4	95.9	.9	7.2	1.0	.941		None	
SBR59-1697	117.0-118.0	62896	3.4	.3	95.3	1.0	8.6	.8	.940		None	
SBR59-1698	118.0-119.0	62897	3.5	.3	95.2	1.0	8.8	.7	.945		None	
SBR59-1699	119.0-120.0	62898	3.0	.3	95.8	.9	7.5	.7	.945		None	
SBR59-1700	120.0-121.5	62899	2.6	.2	96.4	.8	6.6	.5	.936		None	
SBR59-1701	121.5-123.0	62900	3.8	.4	94.7	1.1	9.7	1.0	.944		None	
SBR59-1702	123.0-124.0	62901	4.2	.3	94.4	1.1	10.8	.7	.943		None	
SBR59-1703	124.0-125.0	62902	4.1	.3	94.4	1.2	10.5	.7	.940		None	
SBR59-1704	125.0-126.0	62903	4.2	.2	94.7	.9	10.6	.6	.935		None	
SBR59-1705	126.0-127.0	62904	4.2	.2	94.8	.8	10.6	.6	.940		None	
SBR59-1706	127.0-128.0	62905	3.8	.2	95.0	1.0	9.6	.6	.938		None	
SBR59-1707	128.0-129.0	62906	4.3	.4	94.5	.8	11.1	.8	.938		None	
SBR59-1708	129.0-130.0	62907	5.0	.2	93.8	1.0	12.6	.6	.943		None	

a - Specific gravity estimated due to insufficient oil.

Core samples received September 17, 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. 1 drilled 2420 feet East of the West line and 2200 North of South line, sec. 5, T. 11 S., R. 26 E., Uintah County, Utah

Surface elevation 5,533.4 feet

Mahogany Marker at 433.0 feet

Sample number			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						Gal. per ton	
			Oil	Water								Oil	Water
Laramie	Thier	Run No.	Oil	Water	Spent shale	Gas + loss	Oil	Water					
SBR59-4709	130 -131	62908	4.1	0.3	94.6	1.1	10.5	0.7	0.939	None			
SBR59-4710	131 -132	62909	3.0	.1	96.3	.6	7.8	.2	.930	None			
SBR59-4711	132 -133	62910	2.7	.2	96.6	.5	7.0	.6	.929	None			
SBR59-4712	133 -134	62911	3.1	.8	96.1	.6	8.0	.5	.927	None			
SBR59-4713	134 -135	62912	3.4	.1	95.9	.6	8.7	.4	.933	None			
SBR59-4714	135 -136	62913	3.7	.2	95.4	.7	9.3	.5	.944	None			
SBR59-4715	136 -137	62914	4.2	.3	94.8	.7	10.7	.7	.937	None			
SBR59-4716	137 -138	62915	6.3	.3	92.1	1.3	16.1	.7	.936	None			
SBR59-4717	138 -139.2	62916	4.0	.3	94.9	.8	10.2	.6	.938	None			
SBR59-4718	139.2-140.5	62917	2.1	.2	97.1	.6	5.4	.5	.931	None			
SBR59-4719	140.5-142.0	62918	2.9	.4	96.0	.7	7.4	1.0	.929	None			
SBR59-4720	142.0-143.0	62919	3.3	.2	95.3	1.2	8.4	.6	.938	None			
SBR59-4721	143.0-144.0	62920	3.7	.4	94.8	1.1	9.5	.8	.937	None			
SBR59-4722	144.0-145.0	62921	4.6	.3	94.0	1.1	11.7	.7	.935	None			
SBR59-4723	145.0-146.0	62922	4.3	.3	94.2	1.2	11.0	.7	.941	None			
SBR59-4724	146.0-147.0	62923	4.6	.2	93.9	1.3	11.6	.6	.942	None			
SBR59-4725	147.0-148.0	62924	4.3	.3	94.3	1.1	10.9	.7	.943	None			
SBR59-4726	148.0-149.0	62925	3.5	.2	95.7	.6	9.0	.5	.934	None			
SBR59-4727	149.0-150	62926	4.0	.3	94.9	.8	10.3	.7	.935	None			
SBR59-4728	150 -151	62927	3.3	.3	95.7	.7	8.4	.7	.940	None			
SBR59-4729	151 -152	62928	5.6	.4	92.8	1.2	14.4	.8	.936	None			
SBR59-4730	152 -153	62929	4.8	.4	93.8	1.0	12.4	.8	.936	None			
SBR59-4731	153 -154	62930	3.3	.4	95.5	.8	8.5	.8	.936	None			
SBR59-4732	154 -155	62931	3.7	.2	95.1	1.0	9.4	.6	.936	None			
SBR59-4733	155 -156	62932	3.7	.3	95.0	1.0	9.5	.7	.937	None			
SBR59-4734	156 -157	62935	3.5	.3	95.1	1.1	9.0	.7	.935	None			
SBR59-4735	157 -158	62936	3.5	.3	95.2	1.0	8.9	.7	.933	None			
SBR59-4736	158 -159	62937	4.3	.2	94.4	1.1	10.9	.5	.942	None			
SBR59-4737	159 -160	62938	3.8	.3	94.8	1.1	9.7	.6	.942	None			
SBR59-4738	160 -161	62939	3.6	.2	95.1	1.1	9.2	.5	.930	None			

Core samples received September 17, 1959; assays made on air-dried samples.

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-2897P

October 19, 1959

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Skyline Oil Company's Skyline-Robertson corehole No. 1 drilled 2420 feet east of west line and 2200 north of south line, Sec. 5, T. 11 S., R. 25 E., Uintah County, Utah

Surface elevation 5,533.4 feet

Mahogany marker at 433.0 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	
Laramie	their		Oil	Water					Oil			Water
SR59-4739	161	-162	62940	3.5	0.3	95.0	1.2	8.9	0.7	0.912	None	
SR59-4740	162	-163	62941	2.9	.2	96.3	.6	7.6	.4	.924	None	
SR59-4741	163	-164	62942	4.1	.3	94.7	.9	10.6	.7	.938	None	
SR59-4742	164	-165	62943	5.5	.3	93.1	1.1	14.0	.8	.937	None	
SR59-4743	165	-166	62944	3.8	.3	95.1	.8	9.8	.7	.932	None	
SR59-4744	166	-167.3	62945	2.9	.4	96.0	.7	7.5	.8	.934	None	
SR59-4745	167.3	-168.2	62946	1.9	.4	97.2	.5	5.1a	.8		None	
SR59-4746	168.2	-169.2	62947	3.8	.3	94.8	1.1	9.6	.8	.938	None	
SR59-4747	169.2	-170.2	62948	4.1	.4	94.5	1.0	10.4	1.1	.930	None	
SR59-4748	170.2	-171.2	62949	4.2	.4	94.3	1.1	10.8	.8	.938	None	
SR59-4749	171.2	-172.2	62950	4.2	.3	94.2	1.3	10.7	.8	.937	None	
SR59-4750	172.2	-173.2	62951	3.3	.4	95.4	.9	8.4	1.0	.938	None	
SR59-4751	173.2	-174.2	62952	2.6	.4	96.0	1.0	6.7	1.0	.930	None	
SR59-4752	174.2	-175.2	62953	2.7	.4	95.8	1.1	7.0	1.0	.933	None	
SR59-4753	175.2	-176.8	62954	2.9	.4	95.4	1.3	7.5	1.0	.937	None	
SR59-4754	176.8	-178.1	62955	2.7	.4	95.6	1.3	6.9	.8	.938	None	
SR59-4755	178.1	-179	62956	3.2	.2	95.0	1.6	8.0	.6	.943	None	
SR59-4756	179	-180	62957	7.5	1.3	87.4	3.8	19.4	3.0	.930	Slight	
SR59-4757	180	-181	62958	2.9	.5	96.0	.6	7.3	1.2	.938	None	
SR59-4758	181	-182	62959	2.7	.5	96.0	.8	6.9	1.2	.941	None	
SR59-4759	182	-183	62960	2.5	.5	96.1	.9	6.3	1.3	.939	None	
SR59-4760	183	-184	62961	2.4	.5	96.2	.9	6.1	1.2	.941	None	
SR59-4761	184	-185	62962	2.5	.5	96.3	.7	6.3	1.3	.936	None	
SR59-4762	185	-186	62963	2.3	.5	96.5	.7	6.0	1.2	.933	None	
SR59-4763	186	-187	62964	2.3	.6	96.2	.9	5.9	1.4	.940	None	
SR59-4764	187	-188	62965	2.2	.7	96.3	.8	5.7	1.6	.936	None	
SR59-4765	188	-189	62966	2.4	.7	96.1	.8	6.1	1.7	.932	None	
SR59-4766	189	-190	62967	2.3	.6	96.1	1.0	5.9	1.4	.936	None	
SR59-4767	190	-191	62968	2.6	.6	96.1	.7	6.5	1.4	.934	None	
SR59-4768	191	-192	62969	2.9	.5	95.9	.7	7.4	1.3	.937	None	

a - Specific gravity estimated due to insufficient oil.

Core samples received September 17, 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. 1 drilled 2420 feet east of west line and 2200 north of south line, Sec. 5, T. 11 S., R. 25 E., Uintah County, Utah

Surface elevation 5,533.4 feet

Mahogany marker at 433.0 feet

Sample number			Run	Yield of product				Specific gravity			Properties of			Remarks
				Weight percent		Gas +	Gal. per ton		of oil at	spent shale		Tendency to		
Laramie	their			Oil	Water		shale	loss		Oil	Water		60°/60°	P. ft x sq.
SBR59-4769	192	-193	62971	2.4	0.7	96.1	0.8	6.2	1.7	0.934			None	
SBR59-4770	193	-194	62972	2.2	.4	96.2	1.2	5.6	1.1	.935			None	
SBR59-4771	194	-195	62973	1.7	.7	96.6	1.0	4.4	1.7				None	
SBR59-4772	195	-196	62974	2.9	.3	96.0	.8	7.4	.7	.930			None	
SBR59-4773	196	-196.8	62975	2.9	.4	95.7	1.0	7.5	1.1	.933			None	
SBR59-4774	196.8-198		62976	8.0	.6	89.8	1.6	20.7	1.3	.929			Slight	
SBR59-4775	198	-199	62977	2.9	.5	95.7	.9	7.6	1.2	.931			None	
SBR59-4776	199	-200	62978	2.4	.5	96.0	1.1	6.1	1.3	.930			None	
SBR59-4777	200	-201	62979	2.6	.5	95.9	1.0	6.6	1.3	.927			None	
SBR59-4778	201	-202.6	62980	2.6	.4	96.0	1.0	6.6	1.1	.932			None	
SBR59-4779	202.6-203.4		62981	10.9	.8	85.8	2.5	28.0	2.0	.930			Slight	
SBR59-4780	203.4-205		62982	3.7	.7	94.8	.8	9.6	1.7	.938			None	
SBR59-4781	205	-206	62983	3.1	1.0	95.1	.8	7.9	2.3	.940			None	
SBR59-4782	206	-207	62984	2.7	1.3	95.3	.7	7.0	3.0	.942			None	
SBR59-4783	207	-208	62985	2.5	1.2	95.4	.9	6.5	2.9	.937			None	
SBR59-4784	208	-209	62986	3.3	.7	95.1	.9	8.5	1.7	.941			None	
SBR59-4785	209	-210	62987	4.7	.6	93.4	1.3	12.1	1.0	1.3	2.44	.938	None	2.44
SBR59-4786	210	-211	62988	4.1	.6	94.1	1.2	10.6	1.0	1.4	2.47	.936	None	2.47
SBR59-4787	211	-212	62989	2.7	1.3	95.1	.9	6.9	1.0	3.1	2.54	.940	None	2.54
SBR59-4788	212	-213	62990	2.2	1.3	96.0	.5	5.5	1.0	3.1	2.58	.942	None	2.58
SBR59-4789	213	-214	62991	1.8	1.5	96.0	.7	4.7	1.0	3.6	2.59		None	2.59
SBR59-4790	214	-215	62992	2.4	1.0	95.9	.7	6.3	1.0	2.4	2.56	.934	None	2.56
SBR59-4791	215	-216	62993	3.2	.8	95.2	.8	8.1	1.0	2.0	2.52	.936	None	2.52
SBR59-4792	216	-217	62994	3.4	.5	95.4	.7	8.6	1.0	1.2	2.51	.940	None	2.51
SBR59-4793	217	-218	62995	5.4	.7	92.8	1.1	13.7	1.0	1.7	2.40	.942	None	2.40
SBR59-4794	218	-218.7	62996	8.5	.8	88.9	1.8	21.8	0.7	1.9	2.24	.939	None	1.58
SBR59-4795	218.7-220		62997	3.1	.4	95.7	.8	7.9	1.3	1.1	2.52	.943	None	3.28
SBR59-4796	220	-221	62998	2.1	1.0	96.0	.9	5.4	1.0	2.3	2.58	.934	None	2.58
SBR59-4797	221	-222	62999	1.8	1.2	96.2	.8	4.7	1.0	2.9	2.59		None	2.59
SBR59-4798	222	-223	62999	4.0	.6	94.2	1.2	10.1	1.0	1.6	2.48	.934	None	2.48

a - Specific gravity estimated due to insufficient oil.

Core samples received September 17, 1959; assays made on air-dried samples.

Laramie Petroleum Research Center, Laramie, Wyoming, Illu (ation No. SBR-2899P

October 19, 1959

OIL-SHALE ASSAYS BY MODIFIED FISCHER METHOD

Samples from Skyline Oil Company's Skyline-Robertson corehole No. 1 drilled 2420 feet east of west line and 2200 feet north of south line, Sec. 5, T. 11 S., R. 25 E., Uintah County, Utah

Surface elevation 5,533.4 feet

Mahogany marker at 433.0 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	ft x sq. ft	ft x sq. ft	ft x sq. ft			
Laramie	Ther	Oil	Water	Oil			Water	Oil					Water	Oil	Water
SBR59-4799	223 -224	63000	9.8	0.7	94.4	1.1	9.8	1.0	1.7	2.48	934	2.48	None	24.30	
SBR59-4800	224 -225	63001	3.6	.7	94.7	1.0	9.3	1.0	1.7	2.49	929	2.49	None	23.16	
SBR59-4801	225 -226	63002	4.9	.9	92.6	1.6	12.7	1.0	2.2	2.42	924	2.42	None	30.73	
SBR59-4802	226 -227	63003	4.5	.9	93.4	1.2	11.7	1.0	2.0	2.44	925	2.44	None	28.55	
SBR59-4803	227 -228	63004	3.5	1.0	94.3	1.2	8.9	1.0	2.4	2.50	931	2.50	None	22.23	
SBR59-4804	228 -229	63005	2.8	1.0	95.6	.6	7.2	1.0	2.4	2.54	926	2.54	None	18.29	
SBR59-4805	229 -230.5	63006	3.9	1.1	94.0	1.0	10.0	1.5	2.6	2.48	925	3.72	None	37.20	
SBR59-4806	230.5-231.5	63007	10.2	1.2	86.6	2.0	26.1	1.0	2.9	2.20	933	2.20	None	57.42	
SBR59-4807	231.5-233	63008	3.3	.9	94.7	1.1	8.5	1.5	2.2	2.51	936	3.77	None	32.05	
SBR59-4808	233 -234	63009	2.5	.8	95.6	1.1	6.3	1.0	1.9	2.56	949	2.56	None	16.13	
SBR59-4809	234 -235	63010	2.6	1.0	95.1	1.3	6.6	1.0	2.4	2.55	932	2.55	None	16.83	
SBR59-4810	235 -236	63011	3.1	1.2	94.7	1.0	7.8	1.0	2.9	2.52	936	2.52	None	19.66	
SBR59-4811	236 -237	63012	4.6	.9	93.2	1.3	11.7	1.0	2.3	2.44	934	2.44	None	20.55	
SBR59-4812	237 -238	63013	6.9	.8	90.8	1.5	17.8	1.0	1.8	2.33	935	2.33	None	41.47	
SBR59-4813	238 -239	63014	3.8	1.2	93.8	1.2	9.8	1.0	2.8	2.48	929	2.48	None	24.30	
SBR59-4814	239 -240	63015	2.9	1.1	94.6	1.4	7.6	1.0	2.6	2.53	925	2.53	None	19.23	
SBR59-4815	240 -241	63016	3.3	1.0	94.4	1.3	8.6	1.0	2.4	2.51	929	2.51	None	21.59	
SBR59-4816	241 -242	63017	3.8	1.0	94.0	1.2	9.8	1.0	2.4	2.48	928	2.48	None	24.30	
SBR59-4817	242 -243	63018	10.0	1.3	86.0	2.7	25.8	1.0	3.1	2.20	926	2.20	None	56.76	
SBR59-4818	243 -244	63019	4.9	.7	92.8	1.6	12.3	1.0	1.7	2.43	943	2.43	None	29.89	
SBR59-4819	244 -245	63020	3.5	.9	94.2	1.4	8.8	1.0	2.2	2.50	940	2.50	None	22.00	
SBR59-4820	245 -246	63021	3.6	.7	94.8	.9	9.1	1.0	1.7	2.50	942	2.50	None	22.25	
SBR59-4821	246 -247	63022	4.3	.7	93.9	1.1	11.0	1.0	1.6	2.46	945	2.46	None	27.06	
SBR59-4822	247 -248	63023	5.0	.5	93.4	1.1	12.7	1.0	1.3	2.42	941	2.42	None	30.73	
SBR59-4823	248 -249	63024	5.0	.4	93.4	1.2	12.7	1.0	1.0	2.42	940	2.42	None	30.73	
SBR59-4824	249 -250	63025	5.4	1.1	92.0	1.5	13.8	1.0	2.6	2.40	930	2.40	None	33.12	
SBR59-4825	250 -251	63026	6.8	.9	90.5	1.8	17.4	1.0	2.3	2.34	928	2.34	None	40.72	
SBR59-4826	251 -252	63027	4.7	.8	93.1	1.4	12.0	1.0	1.9	2.44	936	2.44	None	29.28	
SBR59-4827	252 -253	63028	5.3	.7	92.3	1.7	13.4	1.0	1.8	2.41	940	2.41	None	32.29	
SBR59-4828	253 -254	63029	5.4	.6	92.8	1.2	13.6	1.0	1.6	2.40	944	2.40	None	32.64	

Core samples received September 17, 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. 1 drilled 2420 feet east of west line and 2200 north of south line, Sec. 5, T. 11 S., R. 25 E., Uintah County, Utah

Surface elevation 5,533.4 feet

Mahogany marker at 433.0 feet

		Yield of product					Specific			Properties of			
		Weight percent		Gal. per ton		gravity			spent shale				
Sample number	Run No.	Oil	Water	Spent shale	Gas + loss	Oil	Water	Sp. gr. at 60°/60° F.	Tendency to coke	ft x sq. cu in	Remarks		
Laramie													
SBR59-4829	63030	5.2	0.6	93.0	1.2	13.2	1.0	1.6	2.410	910	2.41	None	31.81
SBR59-4830	63031	4.2	.4	93.8	1.6	10.8	1.0	1.0	2.47	945	2.47	None	26.68
SBR59-4831	63032	5.7	.7	92.2	1.4	14.7	1.0	1.7	2.38	935	2.38	None	34.99
SBR59-4832	63033	5.4	.5	92.9	1.2	13.8	1.0	1.2	2.40	940	2.40	None	33.12
SBR59-4833	63034	5.2	.6	92.8	1.4	13.2	1.0	1.6	2.42	936	2.42	None	31.94
SBR59-4834	63035	5.5	.9	92.0	1.6	14.1	1.0	2.2	2.40	926	2.40	None	33.84
SBR59-4835	63036	4.7	.9	92.8	1.6	12.2	1.0	2.0	2.43	925	2.43	None	29.65
SBR59-4836	63037	5.5	1.2	92.0	1.3	14.3	1.0	2.9	2.39	918	2.39	None	34.18
SBR59-4837	63038	5.0	1.5	92.1	1.4	13.1	1.0	3.6	2.42	920	2.42	None	31.70
SBR59-4838	63039	4.4	1.4	92.9	1.3	11.6	1.0	3.4	2.44	918	2.44	None	28.30
SBR59-4839	63040	4.8	1.2	92.7	1.3	12.4	1.0	2.9	2.43	919	2.43	None	30.13
SBR59-4840	63041	4.9	.8	93.1	1.2	12.8	1.0	1.9	2.42	921	2.42	None	30.98
SBR59-4841	63042	5.2	.9	92.6	1.3	13.4	1.0	2.3	2.41	922	2.41	None	32.29
SBR59-4842	63043	6.3	.8	91.6	1.3	16.5	1.0	1.9	2.35	919	2.35	None	38.78
SBR59-4843	63044	6.2	1.1	91.4	1.3	16.1	1.0	2.6	2.36	921	2.36	None	38.00
SBR59-4844	63045	5.4	.7	92.7	1.2	14.2	1.0	1.7	2.39	919	2.39	None	33.94
SBR59-4845	63046	10.2	1.2	86.2	2.4	26.6	1.0	2.8	2.19	923	2.19	None	58.25
SBR59-4846	63047	8.5	.9	88.7	1.9	22.0	1.0	2.2	2.26	920	2.26	None	49.72
SBR59-4847	63048	8.0	1.1	89.1	1.8	20.9	1.0	2.6	2.28	911	2.28	None	47.65
SBR59-4848	63049	8.9	1.0	88.0	2.1	23.3	1.0	2.5	2.24	912	2.24	None	52.19
SBR59-4849	63050	6.3	1.1	91.0	1.6	16.4	1.0	2.6	2.33	915	2.35	None	38.54
SBR59-4850	63051	5.3	1.0	92.6	1.1	13.7	1.0	2.4	2.40	918	2.40	None	32.88
SBR59-4851	63052	3.9	1.3	93.4	1.4	10.1	1.0	3.2	2.48	923	2.48	None	25.05
SBR59-4852	63053	4.2	.7	94.0	1.1	10.8	1.0	1.8	2.47	926	2.47	None	26.68
SBR59-4853	63054	5.0	1.4	92.1	1.5	12.8	1.0	3.4	2.42	934	2.42	None	30.98
SBR59-4854	63055	4.2	1.5	93.1	1.2	10.8	1.0	3.6	2.47	926	2.47	None	26.68
SBR59-4855	63056	3.0	1.8	94.0	1.2	7.9	1.0	4.3	2.52	921	2.52	None	19.91
SBR59-4856	63057	3.0	1.2	94.7	1.1	7.8	1.0	2.9	2.52	934	2.52	None	19.91
SBR59-4857	63058	3.7	1.2	93.7	1.4	9.6	1.0	2.9	2.48	929	2.48	None	23.81
SBR59-4858	63059	10.0	1.5	86.1	2.4	25.9	1.0	3.6	2.20	925	2.20	None	56.78

Core samples received September 17, 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. 1 drilled 2420 feet east of west line and 2200 north of south line, Sec. 5, T. 11 S. R. 25 E., Uintah County, Utah

Surface elevation 5,533.4 feet

Mahogany marker at 433.0 feet

Sample number		Run No.	Yield of product				Specific gravity		Properties of spent shale		Remarks			
			Weight percent		Gas + loss	Gal. per ton	of oil at 60°/60° F.	Tendency to	Remarks					
Laramie	Heir	Oil	Water	Spent shale						Oil	Water	Spent shale	Oil	Water
SBR59-4859	284 -285	63060	4.4	1.2	93.0	1.4	11.4	1.0	3.0	2.450	.922	2.45	None	27.93
SBR59-4860	285 -286	63061	3.7	1.3	93.9	1.1	9.8	1.0	3.1	2.48	.918	2.48	None	24.30
SBR59-4861	286 -287.2	63062	2.7	1.1	95.2	1.0	7.0	1.2	2.6	2.54	.923	3.05	None	21.25
SBR59-4862	287.2-288	63063	3.3	.6	94.6	1.5	8.4	0.8	1.6	2.52	.938	2.02	None	16.97
SBR59-4863	288 -289	63064	5.7	1.2	92.0	1.1	14.9	1.0	2.8	2.38	.922	2.38	None	35.46
SBR59-4864	289 -290	63065	3.5	1.6	93.9	1.0	9.3	1.0	3.7	2.50	.917	2.50	None	23.25
SBR59-4865	290 -291	63066	1.9	2.3	94.8	1.0	5.0	1.0	5.4	2.59		2.59	None	12.95
SBR59-4866	291 -292	63067	3.1	2.1	93.5	1.3	8.1	1.0	5.0	2.52	.921	2.52	None	20.41
SBR59-4867	292 -293	63068	3.3	2.0	93.4	1.3	8.6	1.0	4.8	2.51	.922	2.51	None	21.59
SBR59-4868	293 -294	63069	2.9	1.3	94.9	.9	7.6	1.0	3.1	2.53	.925	2.53	None	19.23
SBR59-4869	294 -295	63070	2.4	1.2	95.3	1.1	6.2	1.0	2.9	2.56	.934	2.56	None	15.87
SBR59-4870	295 -296	63071	8.3	1.7	88.3	1.7	21.5	1.0	4.1	2.26	.922	2.26	None	48.59
SBR59-4871	296 -297	63072	3.7	1.5	93.9	.9	9.5	1.0	3.6	2.48	.932	2.48	None	23.56
SBR59-4872	297 -298	63073	3.0	2.1	93.9	1.0	7.7	1.0	4.9	2.52	.938	2.52	None	19.40
SBR59-4873	298 -299	63074	3.5	1.7	93.7	1.1	9.1	1.0	4.1	2.50	.925	2.50	None	22.75
SBR59-4874	299 -300	63075	3.5	1.6	93.7	1.2	8.9	1.0	3.8	2.50	.931	2.50	None	22.25
SBR59-4875	300 -301	63076	3.2	1.2	94.4	1.2	8.1	1.0	2.9	2.52	.933	2.52	None	20.41
SBR59-4876	301 -302.4	63077	3.5	1.1	94.6	.8	9.1	1.4	2.6	2.50	.928	3.50	None	27.76
SBR59-4877	302.4-303.4	63078	8.0	1.4	88.8	1.8	20.7	1.0	3.4	2.28	.925	2.28	None	47.20
SBR59-4878	303.4-304.4	63079	3.4	.9	94.1	1.6	8.6	1.0	2.0	2.51	.945	2.51	None	21.59
SBR59-4879	304.4-305.4	63080	3.1	1.6	94.3	1.0	7.9	1.0	3.8	2.52	.937	2.52	None	19.91
SBR59-4880	305.4-306.4	63081	2.4	1.9	95.1	.6	6.0	1.0	4.6	2.56	.932	2.56	None	15.36
SBR59-4881	306.4-307.4	63082	2.8	1.1	95.1	1.0	7.2	1.0	2.6	2.54	.938	2.54	None	18.29
SBR59-4882	307.4-308.4	63083	3.9	1.0	94.0	1.1	10.0	1.0	2.4	2.48	.928	2.48	None	24.80
SBR59-4883	308.4-309.4	63084	9.2	1.3	87.3	2.2	23.6	1.0	3.2	2.24	.932	2.24	None	52.86
SBR59-4884	309.4-310.4	63085	4.3	1.0	93.6	1.1	11.0	1.0	2.4	2.46	.932	2.46	None	27.06
SBR59-4885	310.4-311.4	63086	3.3	1.3	94.4	1.0	8.5	1.0	3.1	2.51	.928	2.51	None	21.34
SBR59-4886	311.4-312.4	63087	3.3	1.5	93.9	1.3	8.6	1.0	3.6	2.51	.925	2.51	None	21.59
SBR59-4887	312.4-313.4	63088	4.1	1.7	92.6	1.6	10.7	1.0	4.1	2.47	.920	2.47	None	26.43
SBR59-4888	313.4-314.5	63089	5.2	1.8	91.3	1.7	13.5	1.1	4.3	2.41	.925	2.41	None	32.54

a - Specific gravity estimated due to insufficient oil.

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OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Skyline Oil Company's, Skyline-Robertson corehole No. 1 drilled 2420 feet east of west line and 2200 north of south line, Sec. 5, T. 11 S. R. 25 E., Uintah County, Utah

Surface elevation 5,533.4 feet

Mahogany marker at 433.0 feet

Sample number	Run No.	Yield of product				Specific gravity		Properties of spent shale		Remarks		
		Weight percent		Gas + loss	Gal. per ton		of oil at 60°/60° F.	Tendency to				
Lavender	Heir	Oil	Water		Spent shale	Oil			Water	Spent shale	Spent shale	
SBR59-4889	314.5-315.5	63090	14.9	1.6	80.1	3.4	38.3	1.0	3.8	2.03	Slight	77.75
SBR59-4890	315.5-316.5	63091	3.3	1.0	94.1	1.6	8.5	1.0	2.4	2.51	None	21.34
SBR59-4891	316.5-317.5	63092	3.0	1.4	94.2	1.4	7.8	1.0	3.4	2.52	None	19.66
SBR59-4892	317.5-318.5	63093	2.9	1.4	94.9	.8	7.4	1.0	3.4	2.53	None	18.72
SBR59-4893	318.5-319.5	63094	2.5	1.4	95.2	.9	6.4	1.0	3.4	2.56	None	16.38
SBR59-4894	319.5-320.5	63095	3.4	1.3	94.6	.7	8.7	1.0	3.1	2.50	None	21.75
SBR59-4895	320.5-321.5	63096	4.7	1.3	92.7	1.3	12.1	1.0	3.1	2.44	None	29.52
SBR59-4896	321.5-322.5	63097	4.8	1.3	92.7	1.2	12.4	1.0	3.1	2.43	None	30.13
SBR59-4897	322.5-323.5	63098	4.5	1.4	92.9	1.2	11.6	1.0	3.5	2.44	None	28.30
SBR59-4898	323.5-324.5	63099	3.5	1.8	93.8	.9	9.1	1.0	4.3	2.50	None	22.75
SBR59-4899	324.5-325.5	63100	4.1	1.2	93.3	1.4	10.6	1.0	2.9	2.47	None	26.18
SBR59-4900	325.5-326.5	63101	4.6	1.3	92.9	1.2	12.0	1.0	3.0	2.44	None	29.28
SBR59-4901	326.5-327.5	63102	11.7	2.1	83.8	2.4	30.2	1.0	5.2	2.14	Slight	64.63
SBR59-4902	327.5-328.5	63103	3.6	1.2	94.4	.8	9.3	1.0	2.9	2.49	None	23.16
SBR59-4903	328.5-329.5	63104	3.6	1.3	94.0	1.1	9.3	1.0	3.1	2.49	None	23.16
SBR59-4904	329.5-331	63105	1.1	1.2	97.1	.6	2.9	1.5	2.9	2.63	None	11.46
SBR59-4905	331 -332	63106	3.0	1.5	94.4	1.1	7.8	1.0	3.5	2.52	None	19.66
SBR59-4906	332 -333	63107	7.4	1.2	89.9	1.5	19.1	1.0	2.9	2.31	None	44.12
SBR59-4907	333 -334	63108	4.8	1.0	93.0	1.2	12.3	1.0	2.5	2.43	None	29.89
SBR59-4908	334 -335	63109	3.9	.9	94.2	1.0	10.0	1.0	2.3	2.48	None	24.80
SBR59-4909	335 -336	63110	4.0	1.4	93.9	.7	10.4	1.0	3.2	2.47	None	25.69
SBR59-4910	336 -337.5	63111	4.2	1.0	93.8	1.0	11.0	1.5	2.4	2.46	None	40.59
SBR59-4911	337.5-338.3	63112	5.8	2.6	90.4	1.2	15.3	0.8	6.2	2.37	None	29.07
SBR59-4912	338.3-339	63113	5.8	.7	91.9	1.6	14.9	0.7	1.6	2.38	None	24.88
SBR59-4913	339 -340	63114	4.9	.7	93.1	1.3	12.6	1.0	1.7	2.42	None	30.49
SBR59-4914	340 -341	63115	3.6	.9	94.1	1.4	9.2	1.0	2.3	2.50	None	23.00
SBR59-4915	341 -342	63116	3.5	1.0	94.2	1.3	8.9	1.0	2.3	2.50	None	22.25
SBR59-4916	342 -343	63117	3.7	.9	94.9	.7	8.9	1.0	2.3	2.50	None	22.25
SBR59-4917	343 -344	63118	3.7	1.2	94.2	.9	9.6	1.0	2.9	2.48	None	23.81
SBR59-4918	344 -345	63119	5.3	1.2	92.5	1.0	13.7	1.0	2.9	2.48	None	32.87
										332.87		3816.19

a - Specific gravity estimated due to insufficient oil.

Core samples received September 17, 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. 1 drilled 2420 feet east of west line and 2200 north of south line, Sec. 5, T. 11 S. R. 25 E., Uintah County, Utah

Surface elevation 5,533.4 feet

Mahogany marker at 433.0 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		Gas + loss	Tendency to								
Laramie	Ther		Oil	Water			Spent shale		Oil	H ₂ O	Sp. Gr.	P. H.	Sp. Gr.	Sp. Gr.
SBR59-1919	345 -346	63120	6.5	2.3	90.4	0.8	16.9	1.0	5.5	2.35	0.916	2.35	None	39.92
SBR59-1920	346 -347	63121	4.5	1.1	93.2	1.2	11.6	1.0	2.6	2.44	0.931	2.44	None	28.30
SBR59-1921	347 -348	63122	4.4	1.0	93.6	1.0	11.2	1.0	2.4	2.45	0.938	2.45	None	27.44
SBR59-1922	348 -349	63123	4.2	.8	94.1	.9	10.6	1.0	2.0	2.47	0.940	2.47	None	26.18
SBR59-1923	349 -350	63124	4.2	.9	93.8	1.1	10.7	1.0	2.0	2.47	0.940	2.47	None	26.43
SBR59-1924	350 -351	63125	4.6	.9	93.7	.8	11.9	1.0	2.0	2.44	0.935	2.44	None	29.04
SBR59-1925	351 -352	63126	4.5	.9	93.6	1.0	11.5	1.0	2.2	2.44	0.935	2.44	None	28.06
SBR59-1926	352 -353	63127	4.0	.6	94.0	1.4	10.2	1.0	1.6	2.48	0.937	2.48	None	25.30
SBR59-1927	353 -354	63128	5.1	1.8	92.2	.9	13.2	1.0	4.3	2.42	0.924	2.42	None	31.44
SBR59-1928	354 -355	63129	4.0	1.2	93.9	.9	10.3	1.0	2.8	2.49	0.935	2.48	None	25.54
SBR59-1929	355 -356	63130	4.6	.9	93.3	1.2	11.8	1.0	2.0	2.44	0.937	2.44	None	28.79
SBR59-1930	356 -357	63131	5.1	.6	93.0	1.3	13.0	1.0	1.6	2.42	0.932	2.42	None	31.46
SBR59-1931	357 -358	63132	4.0	1.4	93.4	1.2	10.3	1.0	3.4	2.48	0.934	2.48	None	25.54
SBR59-1932	358 -359	63133	3.8	.5	94.9	.8	9.9	1.0	1.1	2.48	0.931	2.48	None	24.55
SBR59-1933	359 -360	63134	6.3	.7	91.9	1.1	16.2	1.0	1.8	2.34	0.928	2.36	None	38.23
SBR59-1934	360 -361	63135	4.6	.7	93.5	1.2	11.9	1.0	1.7	2.44	0.934	2.44	None	29.04
SBR59-1935	361 -362	63136	3.7	.9	94.8	.6	9.5	1.0	2.2	2.48	0.928	2.48	None	23.56
SBR59-1936	362 -363	63137	2.2	.5	97.0	.3	5.6	1.0	1.2	2.58	0.923	2.58	None	14.45
SBR59-1937	363 -364	63138	3.6	.8	94.8	.8	9.3	1.0	1.8	2.49	0.927	2.49	None	23.16
SBR59-1938	364 -365	63139	5.9	.6	92.4	1.1	15.4	1.0	1.4	2.37	0.925	2.37	None	36.50
SBR59-1939	365 -366	63140	4.4	.8	93.9	.9	11.4	1.0	1.9	2.45	0.929	2.45	None	27.93
SBR59-1940	366 -367	63141	3.9	.4	95.0	.7	10.0	1.0	.8	2.48	0.943	2.48	None	24.80
SBR59-1941	367 -368	63142	4.2	.4	94.6	.8	10.6	1.0	1.0	2.47	0.938	2.47	None	26.18
SBR59-1942	368 -369	63143	3.9	.3	94.9	.9	9.9	1.0	.7	2.48	0.939	2.48	None	24.55
SBR59-1943	369 -369.8	63144	7.0	.8	90.8	1.4	18.0	0.8	1.8	2.33	0.931	1.86	None	33.48
SBR59-1944	369.8-371.8	63145	2.2	2.5	94.8	.5	5.7	2.0	6.0	2.57		5.14	None	30.84
SBR59-1945	371.8-372.8	63146	4.5	.4	94.0	1.1	11.4	1.0	1.1	2.44	0.935	2.44	None	27.82
SBR59-1946	372.8-373.8	63147	7.5	.5	90.3	1.7	19.4	1.0	1.2	2.31	0.928	2.31	None	44.81
SBR59-1947	373.8-374.8	63148	5.9	.4	92.2	1.5	15.2	1.0	1.1	2.37	0.926	2.37	None	36.02
SBR59-1948	374.8-375.8	63149	6.1	.3	92.6	1.0	15.9	1.0	.7	2.36	0.924	2.36	None	37.52

a - Specific gravity estimated due to insufficient oil.

Core samples received September 17, 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. 1 drilled 2420 feet east of west line and 2200 north of south line, Sec. 5, T. 11 S. R. 25 E., Uintah County, Utah

Surface elevation 5,533.4 feet

Mahogany marker at 433.0 feet

Sample number		Run No.	Yield of product				Specific gravity				Properties of spent shale					
			Weight percent		Spent shale	Gas + loss	Gal. per ton		of oil at 60°/60° F.	Tendency to	Properties of spent shale					
Laramie	Ther	Oil	Water	Oil			Water	Sg			60°/60° F.	60°/60° F.	60°/60° F.	60°/60° F.	60°/60° F.	60°/60° F.
SBR59-4949	375.8-376.5	63150	5.1	0.4	93.4	1.1	13.2	0.7	1.0	2.42	0.924	1.64	None	404.90	22.31	4715.68
SBR59-4950	376.5-377.5	63151	4.4	.2	93.8	1.6	11.3	1.0	.5	2.45	.934	2.45	None	412.85	27.68	4743.36
SBR59-4951	377.5-378.5	63152	4.4	.6	94.0	1.0	11.4	1.0	1.3	2.45	.925	2.45	None	414.80	27.93	4771.29
SBR59-4952	378.5-379.5	63153	3.2	.6	95.0	1.2	8.1	1.0	1.4	2.52	.933	2.52	None	417.50	20.41	4791.70
SBR59-4953	379.5-380.5	63154	3.2	.6	95.0	1.2	8.2	1.0	1.6	2.52	.930	2.52	None	419.84	20.66	4812.36
SBR59-4954	380.5-381.5	63155	4.8	.5	93.3	1.4	12.4	1.0	1.2	2.43	.929	2.43	None	422.27	30.13	4842.49
SBR59-4955	381.5-382.5	63156	4.7	.6	93.2	1.5	12.1	1.0	1.3	2.44	.930	2.44	None	424.73	29.52	4872.01
SBR59-4956	382.5-383.5	63157	2.7	.8	95.5	1.0	6.9	1.0	2.0	2.54	.935	2.54	None	427.25	17.53	4889.54
SBR59-4957	383.5-384.5	63158	3.2	.9	94.9	1.0	8.1	1.0	2.3	2.52	.935	2.52	None	429.77	20.41	4909.95
SBR59-4958	384.5-385.2	63159	3.2	1.0	94.4	1.4	8.3	0.7	2.4	2.51	.934	1.76	None	431.93	14.61	4924.56
SBR59-4959	385.2-386.6	63160	2.7	.7	95.4	1.2	7.0	1.4	1.7	2.54	.928	3.56	None	433.89	24.92	4949.48
SBR59-4960	386.6-388	63161	6.0	.8	91.8	1.4	15.5	1.4	1.9	2.38	.925	3.32	None	438.43	51.46	5000.94
SBR59-4961	388 -389	63162	4.5	.7	93.3	1.5	11.6	1.0	1.6	2.44	.932	2.44	None	440.85	28.30	5029.28
SBR59-4962	389 -390	63163	3.6	.6	94.3	1.5	9.3	1.0	1.4	2.49	.926	2.49	None	443.34	23.16	5052.44
SBR59-4963	390 -391	63164	4.8	.7	93.3	1.2	12.3	1.0	1.7	2.43	.926	2.43	None	445.70	24.89	5082.33
SBR59-4964	391 -392.2	63165	13.8	.7	82.9	2.6	35.7	1.8	1.8	2.07	.929	2.48	None	448.83	28.54	5170.87
SBR59-4965	392.2-393.4	63166	5.4	.9	92.2	1.5	13.8	1.2	2.2	2.40	.931	2.88	None	451.43	39.74	5210.61
SBR59-4966	393.4-394.4	63167	5.0	.9	92.7	1.4	13.0	1.0	2.0	2.42	.926	2.42	None	453.35	31.46	5242.07
SBR59-4967	394.4-395.4	63168	5.3	.9	92.4	1.4	13.7	1.0	2.2	2.40	.926	2.40	None	455.95	32.88	5274.95
SBR59-4968	395.4-396.8	63169	5.7	.9	92.0	1.4	14.9	1.4	2.0	2.38	.919	3.33	None	457.28	49.62	5324.57
SBR59-4969	396.8-397.5	63170	13.0	1.2	83.1	2.7	33.8	0.7	2.9	2.09	.921	1.46	None	460.74	45.35	5373.92
SBR59-4970	397.5-398.5	63171	6.0	.7	91.8	1.5	15.6	1.0	1.7	2.37	.918	2.37	None	463.88	36.97	5410.89
SBR59-4971	398.5-400	63172	7.1	1.1	90.0	1.8	18.6	1.5	2.6	2.32	.913	3.48	Slight	466.89	64.73	5475.62
SBR59-4972	400 -401.2	63173	7.1	.5	90.9	1.5	18.5	1.2	1.2	2.32	.929	2.78	None	469.37	51.43	5527.05
SBR59-4973	401.2-403.2	63174	2.3	.5	96.2	1.0	5.8	2.0	2.3	2.57	.931	5.14	None	471.51	29.81	5556.86
SBR59-4974	403.2-405.2	63175	1.7	.3	96.8	1.2	4.5	2.0	.7	2.60		5.20	None	473.88	23.40	5580.26
SBR59-4975	405.2-406.8	63176	1.9	.3	97.0	.8	5.1	1.4	.7	2.58		4.10	None	475.84	21.06	5601.32
SBR59-4976	406.8-408	63177	1.8	.5	96.9	.8	4.8	1.2	1.2	2.59		3.11	None	478.03	14.93	5616.25
SBR59-4977	408 -410	63178	1.0	.5	97.8	.7	2.6	2.0	1.3	2.64		5.28	None	480.23	13.73	5629.98
SBR59-4978	410 -411.2	63179	1.1	.6	97.7	.6	2.9	1.2	1.4	2.63		3.16	None	482.39	9.16	5639.10

a - Specific gravity estimated due to insufficient oil.

Core samples received September 17, 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. 1 drilled 2420 feet east of west line and 2200 north of south line, Sec. 5, T. 11 S. R. 25 E., Uintah County, Utah

Surface elevation 5,533.4 feet

Mahogany marker at 433.0 feet

Sample number		Run No.	Yield of product				Specific gravity		Properties of spent shale		Remarks	Ft x Sq yd	Ft x Sq yd			
			Weight percent		Gal. per ton		of oil at		Tendency to							
Laramie	Ther	Oil	Water	Spent shale	Gas + loss	Oil	Water	59.60°/60°	Ft x Sq yd	coke	Ft x Sq yd	Ft x Sq yd	Ft x Sq yd			
SBR59-4979	411.2-412	63180	3.9	0.9	94.0	1.2	9.9	0.8	2.2	2.48	0.937	1.98	None	497.37	19.60	5658.70
SBR59-4980	412-413	63181	6.2	.4	92.0	1.4	16.4	1.0	.8	2.36	.910	2.36	None	499.73	38.70	5687.40
SBR59-4981	413-414	63182	7.1	.7	90.5	1.7	18.5	1.0	1.8	2.32	.912	2.32	None	502.05	42.92	5740.32
SBR59-4982	414-415	63183	14.2	1.0	81.8	3.0	37.4	1.0	2.4	2.05	.911	2.05	Medium	504.10	76.67	5816.99
SBR59-4983	415-416	63184	5.9	.9	91.3	1.9	15.4	1.0	2.2	2.37	.916	2.37	None	506.47	36.50	5853.49
SBR59-4984	416-417	63185	5.7	.5	92.4	1.4	14.9	1.0	1.3	2.38	.915	2.38	None	508.85	35.46	5888.95
SBR59-4985	417-418.4	63186	4.5	1.1	93.1	1.3	11.7	1.4	2.6	2.44	.922	3.42	None	512.27	40.01	5928.96
SBR59-4986	418.4-420	63187	9.7	1.1	87.2	2.0	25.2	1.6	2.6	2.22	.925	3.55	None	515.82	89.46	6018.42
SBR59-4987	420-421	63188	12.0	.9	84.5	2.6	31.3	1.0	2.0	2.13	.922	2.13	Slight	517.95	66.67	6085.09
SBR59-4988	421-422	63189	9.0	.5	88.8	1.7	23.5	1.0	1.2	2.24	.913	2.24	Slight	520.19	52.64	6137.63
SBR59-4989	422-423	63190	13.2	.6	83.9	2.3	35.1	1.0	1.4	2.07	.900	2.07	Slight	522.26	72.66	6210.29
SBR59-4990	423-424.5	63191	16.1	1.1	79.2	3.6	42.5	1.5	2.6	1.98	.907	2.97	Medium	525.23	92.23	6336.52
SBR59-4991	424.5-425.5	63192	8.8	.8	88.5	1.9	23.6	1.0	1.8	2.24	.898	2.24	Slight	527.47	52.86	6389.38
SBR59-4992	425.5-426.5	63193	7.4	.6	90.0	2.0	19.3	1.0	1.6	2.31	.914	2.31	None	529.78	44.58	6433.96
SBR59-4993	426.5-427.5	63194	5.1	.7	92.4	1.8	13.3	1.0	1.7	2.42	.925	2.42	None	532.20	32.19	6466.15
SBR59-4994	427.5-428.5	63195	4.6	.5	93.6	1.3	11.9	1.0	1.3	2.44	.926	2.44	None	534.64	29.04	6495.19
SBR59-4995	428.5-429.5	63196	8.5	.9	88.2	2.4	22.2	1.0	2.2	2.26	.923	2.26	None	536.90	50.17	6545.36
SBR59-4996	429.5-430.5	63197	6.4	.5	91.7	1.4	16.7	1.0	1.2	2.35	.924	2.35	None	539.25	39.25	6584.61
SBR59-4997	430.5-432	63198	4.9	.5	93.2	1.4	12.8	1.5	2.2	2.42	.922	2.63	None	542.88	46.46	6631.07
SBR59-4998	432-433 MM	63199	4.4	.4	93.8	1.4	11.6	1.0	.8	2.44	.923	2.44	None	545.32	28.30	6659.37
SBR59-4999	433-434	63200	2.8	2.0	94.0	1.2	7.3	1.0	4.8	2.54		2.54	None	547.86	19.54	6697.91
SBR59-5000	434-435	63201	4.5	.2	94.0	1.3	11.7	1.0	.6	2.44	.917	2.44	None	550.30	28.55	6706.46
SBR59-5001	435-436	63202	3.9	.2	94.7	1.2	10.3	1.0	.6	2.48	.908	2.48	None	552.78	25.54	6732.00
SBR59-5002	436-437	63203	5.1	.4	93.1	1.4	13.2	1.0	1.0	2.42		2.42	None	555.20	31.94	6763.94
SBR59-5003	437-438	63204	6.2	.3	92.1	1.4	16.4	1.0	.7	2.36	.907	2.36	None	557.56	38.71	6802.65
SBR59-5004	438-439	63205	19.1	1.0	76.3	3.6	40.6	1.0	2.4	1.89	.925	1.89	Medium	559.45	93.74	6896.39
SBR59-5005	439-440	63206	9.3	.6	88.0	2.1	24.5	1.0	1.4	2.22	.913	2.22	Slight	561.67	54.39	6950.78
SBR59-5006	440-441.5	63207	6.6	.2	91.3	1.9	17.5	1.5	.5	2.34	.907	3.51	None	565.18	61.43	7012.21
SBR59-5007	441.5-442.8	63208	10.5	.5	86.9	2.1	27.6	1.3	1.2	2.18	.916	2.83	None	568.01	78.11	7090.32
SBR59-5008	442.8-443.7	63209	19.2	.8	76.2	3.8	50.0	0.9	1.9	1.89	.923	1.70	Medium	569.71	85.00	7175.42

a - Specific gravity estimated due to insufficient oil.

Core samples received September 17, 1959; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

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Samples from Skyline Oil Company's, Skyline-Robertson corehole No. 1 drilled 2420 feet east of west line and 2200 north of south line, Sec. 5, T. 11 S. R. 25 E., Uintah County, Utah

Surface elevation 5,533.4 feet

Mahogany marker at 433.0 feet

Sample number		Run No.	Yield of product						Specific gravity		Properties of spent shale		Remarks			
			Weight percent		Gal. per ton		of oil at		Tendency to							
Oil	Water	Spent shale	Gas + loss	Oil	Water	Spent shale	60°/60° F.	60°/60° F.	60°/60° F.	60°/60° F.	60°/60° F.	60°/60° F.				
SBR59-5009	143.7-144.8	63220	16.5	0.8	79.5	3.2	13.4	1.1	1.8	1.97	.911	2.17	Medium	571.88	94.18	7269.60
SBR59-5010	144.8-145.8	63211	30.4	1.2	62.5	5.9	80.6	1.0	2.9	1.57	.904	1.57	Heavy	573.45	126.54	7396.14
SBR59-5011	145.8-146.5	63212	15.7	.7	80.0	3.6	41.4	0.7	1.6	1.99	.908	1.39	Slight	574.84	57.55	7453.69
SBR59-5012	146.5-147.7	63213	31.0	2.0	61.1	5.9	82.0	1.2	4.7	1.56	.908	1.87	Heavy	576.71	153.34	7607.03
SBR59-5013	147.7-148.9	63214	29.8	2.3	61.8	6.1	78.9	1.0	5.5	1.59	.906	1.59	Heavy	578.30	125.45	7732.48
SBR59-5014	148.7-149.7	63215	24.7	1.2	69.2	4.9	65.5	1.0	2.9	1.72	.904	1.72	Heavy	580.02	112.66	7845.14
SBR59-5015	149.7-150.5	63216	15.1	.6	81.6	2.7	40.0	0.8	1.3	2.01	.904	1.61	Slight	581.63	64.40	7909.54
SBR59-5016	150.5-151.5	63217	24.2	1.0	70.1	4.7	63.4	1.0	2.4	1.74	.910	1.74	Medium	583.77	110.66	8020.20
SBR59-5017	151.5-152.5	63218	20.5	.9	74.7	3.9	52.8	1.0	2.2	1.85	.930	1.85	Slight	585.22	97.68	8117.88
SBR59-5018	152.5-154	63219	8.5	.5	89.0	2.0	21.9	1.5	1.2	2.26	.932	3.39	None	588.61	74.24	8192.12
SBR59-5019	154 -155	63200	7.9	.5	89.4	2.2	20.6	1.0	1.1	2.28	.919	2.28	None	590.89	46.97	8239.09
SBR59-5020	155 -156	63221	12.7	.5	84.7	2.1	33.3	1.0	1.2	2.10	.916	2.10	None	592.99	69.93	8309.02
SBR59-5021	156 -157	63222	9.0	.4	88.8	1.8	33.4	1.0	1.0	2.10	.921	2.10	None	595.09	70.14	8379.16
SBR59-5022	157 -158	63223	21.6	.5	23.7	4.2	56.5	1.0	1.3	1.82	.916	1.82	Medium	596.91	102.83	8481.99
SBR59-5023	158 -159	63224	16.8	1.0	79.1	3.1	44.8	1.0	2.4	1.95	.899	1.95	Slight	598.86	87.36	8569.35
SBR59-5024	159 -160.1	63225	17.9	.6	78.1	3.4	47.3	1.1	1.4	1.92	.905	2.11	Slight	600.97	99.80	8669.15
SBR59-5025	160.1-161.8	63226	8.0	.3	90.0	1.7	21.6	1.7	.7	2.27	.893	2.86	Slight	604.83	73.38	8752.53
SBR59-5026	161.8-162.9	63227	16.6	.7	79.4	3.3	43.7	1.1	1.6	1.97	.913	2.17	Slight	607.00	94.83	8847.36
SBR59-5027	162.9-164	63228	6.7	.3	90.9	2.1	17.6	1.1	.7	2.34	.916	2.57	None	609.57	45.23	8892.59
SBR59-5028	164 -165	63229	5.3	1.0	92.3	1.4	13.9	1.0	2.3	2.40	.915	2.40	None	611.97	23.36	8925.95
SBR59-5029	165 -166.3	63230	77.8	1.6	88.9	1.7	20.4	1.3	3.7	2.29	.918	2.98	None	614.93	60.79	8986.74
SBR59-5030	166.3-167.7	63231	15.0	1.7	80.3	3.0	39.0	1.4	4.2	2.02	.922	2.83	Slight	617.78	110.37	9097.11
SBR59-5031	167.7-169	63232	4.3	1.2	93.1	1.4	11.2	1.3	3.0	2.46	.917	2.20	None	620.98	35.84	9132.95
SBR59-5032	169 -170	63233	4.6	1.2	92.8	1.4	12.0	1.0	2.9	2.44	.924	2.44	None	623.42	29.28	9162.23

Core samples received September 17, 1959; assays made on air-dried samples.

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-2914P

October 19, 1959