

4102
U70

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from ERDA/LERC's Southern Uinta Basin Corehole 2 drilled in the
SE1/4SW1/4NE1/4 (2459 feet FNL, 1582 feet FEL) of sec. 35, T 12 S, R 21 E, S.L.M., Uintah County, Utah

Surface elevation: 5,829 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					
Laramie	Their		Oil	Water					Oil ^{1/}	Water	Tendency to
SBR76-1069	18.8-19.8	15774	0.7	3.4	94.8	1.1	1.8a	8.1	.920	None	
SBR76-1070	19.8-21.0	15775	.3	3.6	95.6	.5	.8a	8.6		None	
SBR76-1071	21.0-22.0	15776	.1	3.0	96.2	.7	.3a	7.2		None	
SBR76-1072	22.0-23.1	15777	.2	3.5	95.6	.7	.4a	8.4		None	
SBR76-1073	23.1-24.4	15778	.7	3.8	94.7	.8	1.9a	9.1		None	
SBR76-1074	24.4-25.4	15779	.5	3.2	94.7	1.6	1.4a	7.7		None	
SBR76-1075	25.4-26.5	15780	1.4	4.1	93.4	1.1	3.7a	9.8		None	
SBR76-1076	26.5-28.0	15781	1.9	3.1	93.7	1.3	4.9a	7.4		None	
SBR76-1077	28.0-29.2	15782	2.0	4.0	93.0	1.0	5.2a	9.6		None	
SBR76-1078	29.2-30.4	15783	1.7	5.1	92.3	.9	4.4a	12.2		None	
SBR76-1079	30.4-31.7	15784	1.9	4.0	92.5	1.6	4.9a	9.6		None	
SBR76-1080	31.7-32.7	15785	4.2	1.8	92.8	1.2	11.0	4.3	0.909	None	
SBR76-1081	32.7-33.8	15786	3.6	1.5	94.3	.6	9.7	3.6	.904	None	
SBR76-1082	33.8-35.2	15787	2.9	2.7	93.4	1.0	7.6	6.5	.915	None	
SBR76-1083	35.2-36.3	15788	1.8	2.1	95.5	.6	4.6a	5.0	.920	None	
SBR76-1084	36.3-37.6	15789	1.5	1.5	96.2	.8	4.0a	3.6		None	
SBR76-1085	37.6-38.6	15790	1.8	2.1	95.5	.6	4.6a	5.0		None	
SBR76-1086	38.6-39.7	15791	2.7	2.2	94.4	.7	7.2	5.3	.910	None	
SBR76-1087	39.7-40.9	15792	1.8	1.8	95.9	.5	4.8a	4.3	.920	None	
SBR76-1088	40.9-41.9	15793	1.7	1.7	96.0	.6	4.4a	4.1		None	
SBR76-1089	41.9-43.2	15794	2.2	1.8	95.3	.7	5.7	4.3	.911	None	
SBR76-1090	43.2-44.2	15795	2.2	2.3	94.8	.7	5.9	5.5	.912	None	
SBR76-1091	44.2-45.3	15796	.9	1.7	96.5	.9	2.3a	4.1	.920	None	
SBR76-1092	45.3-46.4	15797	1.4	1.9	96.2	.5	3.6a	4.6	.920	None	
SBR76-1093	46.4-48.0	15798	3.2	1.8	93.7	1.3	8.4	4.3	.914	None	
SBR76-1094	48.0-49.6	15799	1.1	.6	95.7	2.6	2.9a	1.4	.920	None	
SBR76-1095	49.6-50.8	15800	4.3	1.9	92.7	1.1	11.2	4.6	.916	None	
SBR76-1096	50.8-51.8	15801	3.0	1.9	93.3	1.8	7.9	4.6	.918	None	
SBR76-1097	51.8-53.3	15802	3.7	2.4	92.9	1.0	9.8	5.8	.915	None	
SBR76-1098	53.3-54.6	15803	3.6	1.9	92.1	2.4	9.4	4.6	.914	None	

See footnote at end of table.

Core samples received October 30, 1975; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from ERDA/LERC's Southern Uinta Basin Corehole 2

Surface elevation: 5,829 feet

Sample number		Run No.	Yield of product						Specific gravity of oil at 60°/60° F	Properties of	Remarks
			Weight percent			Gal per ton				spent shale	
			Oil	Water	Spent shale	Gas + loss	Oil- ^{1/}	Water		Tendency to coke	
Laramie	Their										
SBR76-1099	54.6-56.2	15804	5.4	1.5	91.2	1.9	14.2	3.6	0.912	None	
SBR76-1100	56.2-57.5	15805	4.2	1.6	93.2	1.0	11.1	3.8	.907	None	
SBR76-1101	57.5-58.5	15806	8.0	1.4	89.0	1.6	21.1	3.4	.904	None	
SBR76-1102	58.5-59.3	15807	4.3	1.8	92.9	1.0	11.3	4.3	.913	None	
SBR76-1103	59.3-60.8	15808	1.2	.9	96.6	1.3	3.0a	2.2	.920	None	
SBR76-1104	60.8-62.2	15809	1.1	1.6	96.7	.6	2.9a	3.8		None	
SBR76-1105	62.2-63.6	15810	.8	1.1	97.3	.8	2.2a	2.6		None	
SBR76-1106	63.6-64.6	15811	.5	.9	98.0	.6	1.3a	2.2		None	
SBR76-1107	64.6-65.8	15812	.3	1.5	97.7	.5	.9a	3.6		None	
SBR76-1108	65.8-67.7	15813	.7	1.7	96.2	1.4	1.7a	4.1	✓	None	
SBR76-1109	67.7-68.7	15814	2.4	3.0	93.5	1.1	6.4	7.2	.910	None	
SBR76-1110	68.7-69.8	15815	.8	2.2	96.5	.5	2.0a	5.3	.920	None	
SBR76-1111	69.8-70.8	15816	.5	2.5	96.5	.5	1.3a	6.0		None	
SBR76-1112	70.8-72.3	15817	.1	2.2	96.9	.8	.3a	5.3		None	
SBR76-1113	72.3-74.0	15818	.6	1.1	97.9	.4	1.5a	2.6		None	
SBR76-1114	74.0-75.0	15819	.6	1.6	97.0	.8	1.6a	3.8		None	
SBR76-1115	75.0-76.0	15820	.3	1.3	97.8	.6	.7a	3.1		None	
SBR76-1116	76.0-77.4	15821	.7	1.4	97.5	.4	1.8a	3.4		None	
SBR76-1117	77.4-78.9	15822	.4	1.1	97.9	.6	1.0a	2.6		None	
SBR76-1118	78.9-80.4	15823	.3	1.4	98.0	.3	.9a	3.4		None	
SBR76-1119	80.4-81.8	15824	.4	.7	98.3	.6	1.0a	1.7		None	
SBR76-1120	81.8-83.3	15825	.3	1.1	98.0	.6	.8a	2.6		None	
SBR76-1121	83.3-84.8	15826	.6	.9	97.3	1.2	1.6a	2.2		None	
SBR76-1122	84.8-86.5	15827	.4	.7	97.7	1.2	1.0a	1.7		None	
SBR76-1123	86.5-87.5	15828	1.9	1.6	95.7	.8	5.0a	3.8	✓	None	
SBR76-1124	87.5-88.5	15829	5.5	1.7	90.5	2.3	14.6	4.1	.905	None	
SBR76-1125	88.5-89.5	15830	2.5	2.2	94.4	.9	6.5	5.3	.906	None	
SBR76-1126	89.5-90.5	15831	2.2	2.4	94.4	1.0	5.9	5.8	.905	None	
SBR76-1127	90.5-91.5	15832	5.3	2.5	90.9	1.3	14.1	6.0	.902	None	
SBR76-1128	91.5-92.4	15833	10.1	1.9	85.3	2.7	26.8	4.6	.908	None	

See footnote at end of table.

Core samples received October 30, 1975; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from ERDA/LERC's Southern Uinta Basin Corehole 2

Surface elevation: 5,829 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			
SBR76-1129	92.4-93.7	15834	4.2	1.6	92.7	1.5	11.1	3.8	0.911		None	
SBR76-1130	93.7-94.7	15835	3.1	1.3	94.3	1.3	8.3	3.1	.907		None	
SBR76-1131	94.7-96.4	15836	3.4	1.6	93.8	1.2	8.9	3.8	.908		None	
SBR76-1132	96.4-97.5	15837	5.1	1.8	91.8	1.3	13.5	4.3	.909		None	
SBR76-1133	97.5-98.3	15838	7.1	1.2	90.1	1.6	18.8	2.9	.908		None	
SBR76-1134	98.3-99.3	15839	7.8	1.7	88.8	1.7	20.6	4.1	.905		None	
SBR76-1135	99.3-100.3	15840	14.4	1.3	82.1	2.2	38.5	3.1	.900		None	
SBR76-1136	100.3-101.4	15841	7.1	1.1	90.2	1.6	19.1	2.6	.895		None	
SBR76-1137	101.4-103.0	15842	4.3	1.7	92.7	1.3	11.4	4.1	.907		None	
SBR76-1138	103.0-104.0	15843	3.6	1.2	94.1	1.1	9.4	2.9	.912		None	
SBR76-1139	104.0-105.1	15844	1.9	.8	96.1	1.2	5.0a	1.9	.920		None	
SBR76-1140	105.1-106.6	15845	1.8	1.7	95.5	1.0	4.8a	4.1	.920		None	
SBR76-1141	106.6-107.7	15846	5.7	1.2	90.7	2.4	15.2	2.9	.908		None	
SBR76-1142	107.7-109.0	15847	3.8	.4	93.4	2.4	9.9	1.0	.910		None	
SBR76-1143	109.0-110.8	15848	1.8	.9	96.6	.7	4.6a	2.2	.920		None	
SBR76-1144	110.8-112.6	15849	2.2	1.0	95.8	1.0	5.8	2.4	.912		None	
SBR76-1145	112.6-114.1	15850	2.0	1.1	96.5	.4	5.1a	2.6	.920		None	
SBR76-1146	114.1-116.1	15851	1.8	.7	96.4	1.1	4.6a	1.7			None	
SBR76-1147	116.1-117.5	15852	1.5	.6	96.9	1.0	4.0a	1.4			None	
SBR76-1148	117.5-118.5	15853	1.7	.8	96.9	.6	4.3a	1.9			None	
SBR76-1149	118.5-119.5	15854	1.5	.7	97.0	.8	3.9a	1.7			None	
SBR76-1150	119.5-121.1	15855	3.1	1.3	94.9	.7	8.4	3.1	.900		None	
SBR76-1151	121.1-122.2	15856	3.9	.6	93.9	1.6	10.2	1.5	.914		None	
SBR76-1152	122.2-123.3	15857	11.7	1.6	84.3	2.4	30.7	3.8	.916		None	
SBR76-1153	123.3-125.0	15858	7.4	1.4	88.7	2.5	19.6	3.4	.904		None	
SBR76-1154	125.0-126.0	15859	7.4	1.1	89.7	1.8	19.6	2.6	.900		None	
SBR76-1155	126.0-127.0	15860	13.4	1.4	82.5	2.7	35.1	3.4	.912		None	
SBR76-1156	127.0-127.8	15861	15.7	1.4	78.9	4.0	40.8	3.4	.919		None	
SBR76-1157	127.8-128.8	15862	12.1	1.6	83.7	2.6	31.9	3.8	.912		None	
SBR76-1158	128.8-130.6	15863	21.0	2.6	70.8	5.6	55.8	6.2	.905		None	

See footnote at end of table.

Core samples received October 30, 1975; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from ERDA/LERC's Southern Uinta Basin Corehole 2

Surface elevation: 5,829 feet

Sample number		Run No.	Yield of product					Specific gravity of oil at 60°/60° F		Properties of spent shale Tendency to coke		Remarks
			Weight percent		Spent shale		Gas +					
Laramie	Their		Oil	Water			loss	Oil ^{1/}	Water			
SBR76-1159	130.6-132.4	15864	17.0	1.9	77.4	3.7		45.2	4.6	0.905	None	
SBR76-1160	132.4-133.3	15865	18.1	1.9	72.6	7.4		47.7	4.5	.910	None	
SBR76-1161	133.3-135.0	15866	6.7	1.5	89.9	1.9		17.5	3.5	.917	None	
SBR76-1162	135.0-136.2	15867	8.1	1.1	89.0	1.8		21.4	2.6	.908	None	
SBR76-1163	136.2-137.1	15868	10.0	1.0	86.4	2.6		26.2	2.4	.915	None	
SBR76-1164	137.1-138.1	15869	5.0	.5	93.1	1.4		13.0	1.2	.917	None	
SBR76-1165	138.1-139.6	15870	6.2	.5	90.8	2.5		16.6	1.2	.902	None	
SBR76-1166	139.6-141.2	15871	15.4	1.5	80.1	3.0		40.9	3.6	.904	None	
SBR76-1167	141.2-142.8	15872	5.1	1.0	92.2	1.7		13.8	2.4	.891	None	
SBR76-1168	142.8-144.3	15873	9.5	1.4	86.9	2.2		25.2	3.4	.898	None	
SBR76-1169	144.3-145.4	15874	3.8	1.2	93.8	1.2		10.0	2.9	.920	None	
SBR76-1170	145.4-146.4	15875	3.1	1.0	94.3	1.6		8.1	2.3	.913	None	
SBR76-1171	146.4-148.0	15876	8.7	1.5	87.9	1.9		22.7	3.6	.916	None	
SBR76-1172	148.0-149.2	15877	2.2	1.3	94.8	1.7		5.8	3.1	.906	None	
SBR76-1173	149.2-150.6	15878	2.4	.8	95.7	1.1		6.4	1.9	.915	None	
SBR76-1174	150.6-151.8	15879	2.5	.3	96.4	.8		6.5a	.7	.920	None	
SBR76-1175	151.8-153.6	15880	2.2	.9	94.8	2.1		5.9	2.2	.909	None	
SBR76-1176	153.6-155.6	15881	5.4	.4	92.7	1.5		14.1	1.0	.910	None	
SBR76-1177	155.6-156.7	15882	8.6	1.1	88.6	1.7		22.8	2.6	.908	None	
SBR76-1178	156.7-157.7	15883	6.8	1.6	89.8	1.8		18.1	3.8	.901	None	
SBR76-1179	157.7-158.6	15884	10.5	2.1	85.1	2.3		28.1	5.0	.894	None	
SBR76-1180	158.6-160.1	15885	6.0	1.8	90.5	1.7		15.9	4.3	.899	None	
SBR76-1181	160.1-161.4	15886	3.9	1.5	93.1	1.5		10.2	3.6	.915	None	
SBR76-1182	161.4-162.6	15887	2.7	1.5	92.4	3.4		7.1	3.6	.918	None	
SBR76-1183	162.6-163.9	15888	2.3	1.3	95.5	.9		6.1	3.1	.914	None	
SBR76-1184	163.9-165.3	15889	3.1	1.3	94.5	1.1		8.2	3.1	.914	None	
SBR76-1185	165.3-166.5	15890	5.4	1.5	91.5	1.6		14.3	3.6	.914	None	
SBR76-1186	166.5-167.5	15891	6.5	1.6	90.4	1.5		17.0	3.8	.914	None	
SBR76-1187	167.5-168.7	15892	1.3	.3	97.5	.9		3.3a	.7	.920	None	
SBR76-1188	168.7-169.7	15893	1.8	.7	96.8	.7		4.7a	1.7	.920	None	

See footnote at end of table.

Core samples received October 30, 1975; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from ERDA/LERC's Southern Uinta Basin Corehole 2

Surface elevation: 5,829 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
SBR76-1189	169.7-171.2	15894	0.3	0.2	98.9	0.6	0.8a	0.5	.920	None	
SBR76-1190	171.2-172.2	15895	.5	.2	97.6	1.7	1.2a	.5		None	
SBR76-1191	172.2-173.3	15896	.8	.3	98.2	.7	2.2a	.7		None	
SBR76-1192	173.3-174.5	15897	1.1	.5	97.9	.5	2.7a	1.2		None	
SBR76-1193	174.5-175.9	15898	1.6	.6	97.2	.6	4.3a	1.3		None	
SBR76-1194	175.9-177.7	15899	1.9	.4	96.1	1.6	5.0a	1.1		None	
SBR76-1196	177.7-178.6	15900	1.6	.3	97.1	1.0	4.2a	.7		None	
SBR76-1197	178.6-180.0	15901	.9	1.3	97.0	.8	2.3a	3.1		None	
SBR76-1198	180.0-181.1	15902	1.9	.9	96.3	.9	5.0a	2.2		None	
SBR76-1199	181.1-182.2	15903	1.1	1.6	97.1	.2	2.8a	3.8		None	
SBR76-1200	182.2-183.2	15904	2.7	.6	95.4	1.3	7.1	1.4	0.907	None	
SBR76-1201	183.2-184.7	15905	9.8	1.0	87.0	2.2	25.7	2.4	.919	None	
SBR76-1202	184.7-186.0	15906	1.7	1.0	96.0	1.3	4.5a	2.4	.920	None	
SBR76-1203	186.0-187.4	15907	1.6	1.2	96.4	.8	4.1a	2.9	.920	None	
SBR76-1204	187.4-188.4	15908	1.6	.9	96.9	.6	4.2a	2.2		None	
SBR76-1205	188.4-189.7	15909	9.3	.9	87.4	2.4	24.5	2.2	.914	None	
SBR76-1206	189.7-191.4	15910	1.4	.4	97.8	.4	3.7a	1.0	.920	None	
SBR76-1207	191.4-192.8	15911	1.6	1.1	96.1	1.2	4.2a	2.7	.920	None	
SBR76-1208	192.8-194.0	15912	8.9	1.5	88.0	1.6	23.5	3.6	.906	None	
SBR76-1209	194.0-195.1	15913	4.9	1.2	92.4	1.5	12.9	2.9	.903	None	
SBR76-1210	195.1-196.4	15914	1.0	.7	97.8	.5	2.6a	1.7	.920	None	
SBR76-1211	196.4-197.8	15915	.9	.4	98.1	.6	2.3a	1.0	.920	None	
SBR76-1212	197.8-199.0	15916	.6	.1	98.8	.5	1.5a	.2		None	
SBR76-1213	199.0-200.1	15917	.7	.2	98.5	.6	1.9a	.5		None	
SBR76-1214	200.1-201.5	15918	.2	.1	99.2	.5	.6a	.2	.920	None	
SBR76-1215	201.5-203.0	15919	.2	.2	99.1	.5	.4a	.5		None	
SBR76-1216	203.0-204.4	16043	.0	.0	99.4	.6	No Oil	.1		None	
SBR76-1217	204.4-205.5	16044	.0	.1	99.7	.2	No Oil	.1	.920	None	
SBR76-1218	205.5-206.9	15922	.1	.2	99.4	.3	.3a	.5		None	
SBR76-1219	206.9-208.0	15955	.1	.1	99.5	.3	.2a	.2		None	

See footnote at end of table.

Core samples received October 30, 1975; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from ERDA/LERC's Southern Uinta Basin Corehole 2

Surface elevation: 5,829 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 coke		
Laramie	Their		Oil	Water					Oil ^{1/}	Water		
SBR76-1220	208.0-209.2	15924	0.9	0.1	98.7	0.3	2.4a	0.2	.920	None		
SBR76-1221	209.2-210.2	16045	.2	.1	99.7	.0	.5a	.2		None		
SBR76-1222	210.2-211.5	15926	.4	2.0	97.0	.6	1.1a	4.8	↓	None		
SBR76-1223	211.5-213.1	15927	5.9	2.9	90.2	1.0	15.5	7.0	0.907	None		
SBR76-1224	213.1-214.4	15928	2.5	.8	96.1	.6	6.7	1.9	.900	None		
SBR76-1225	214.4-216.1	15929	3.2	.7	94.7	1.4	8.5	1.7	.901	None		
SBR76-1226	216.1-217.1	15930	9.2	1.5	85.3	4.0	24.6	3.6	.899	None		
SBR76-1227	217.1-218.3	15931	4.0	1.0	93.9	1.1	10.7	2.4	.898	None		
SBR76-1228	218.3-220.1	15932	2.2	.7	96.2	.9	5.7	1.7	.904	None		
SBR76-1229	220.1-221.3	15933	3.6	1.4	93.7	1.3	9.6	3.4	.898	None		
SBR76-1230	221.3-222.5	15934	.3	1.0	98.2	.5	.8a	2.4	.920	None		
SBR76-1231	222.5-223.5	15935	1.9	.6	95.7	1.8	5.0a	1.4	↓	None		
SBR76-1232	223.5-224.6	15936	1.4	.5	97.5	.6	3.6a	1.2		None		
SBR76-1233	224.6-225.8	15937	3.7	2.1	93.1	1.1	9.7	5.0	.910	None		
SBR76-1234	225.8-227.1	15938	1.9	1.2	96.0	.9	5.0a	2.9	.920	None		
SBR76-1235	227.1-228.0	15939	2.3	1.1	95.9	.7	6.2	2.6	.887	None		
SBR76-1236	228.0-229.0	15940	1.6	1.1	96.0	1.3	4.2a	2.6	.920	None		
SBR76-1237	229.0-230.6	15941	2.0	.8	96.6	.6	5.1a	1.9	.920	None		
SBR76-1238	230.6-231.8	15942	3.1	1.5	93.7	1.7	8.3	3.6	.895	None		
SBR76-1239	231.8-232.7	15943	.4	.3	97.6	1.7	1.1a	.7	.920	None		
SBR76-1240	232.7-234.4	15944	6.8	1.6	90.1	1.5	18.2	3.8	.896	None		
SBR76-1241	234.4-235.8	15945	4.9	2.9	90.9	1.3	13.0	7.0	.903	None		
SBR76-1242	235.8-236.8	15946	.2	2.0	96.7	1.1	.5a	4.8	.920	None		
SBR76-1243	236.8-237.7	15947	6.9	1.7	89.5	1.9	17.9	4.1	.920	None		
SBR76-1244	237.7-239.0	15948	3.2	1.2	94.5	1.1	8.5	2.9	.903	None		
SBR76-1245	239.0-240.2	15949	6.9	2.1	89.9	1.1	17.9	5.0	.921	None		
240.2-326.2			NOT SAMPLED									

NOT SAMPLED

1/ "a"-indicates specific gravity estimated as 0.92.

Core samples received October 30, 1975; assays made on air-dried samples