

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Continental Oil Company's Bull Canyon No. 1, located in the SW 1/4, SE 1/4, SW 1/4 of
 Sec. 27, T. 13S., R. 21E., Uintah County, Utah
 Ground elevation 5663.5 feet

Montgomery No. 19

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		Percent of orig. shale		Tendency to coke		
		Oil	Water				Spent shale	Ignition loss			Ash
Laramie	Their										
SBR52-4125	0-10	20178				None					
SBR52-4126	10-20	20179				"					
SBR52-4127	20-30	20180				"					
SBR52-4128	30-40	20181				"					
SBR52-4129	40-50	20182				"					
SBR52-4130	50-60	20183				"					
SBR52-4131	60-70	20184				"					
SBR52-4132	70-80	20185				"					
SBR52-4133	80-90	20186				"					
SBR52-4134	90-100	20187				"					
SBR52-4135	100-110	20188				"					
SBR52-4136	110-120	20189				"					
SBR52-4137	120-130	20190				"					
SBR52-4138	130-140	20191				"					
SBR52-4139	140-150	20192				"					
SBR52-4140	150-160	20193				"					
SBR52-4141	160-170	20194				"					
SBR52-4142	170-180	20195				"					
SBR52-4143	180-190	20196				"					
SBR52-4144	190-200	20197				"					
SBR52-4145	200-210	20198				"					
SBR52-4146	210-214	20199				"					
SBR52-4147	216-220	20200				"					
SBR52-4148	220-230	20201				"					
SBR52-4149	230-240	20202				Trace					
SBR52-4150	260-270	20203				None					
SBR52-4151	270-280	20204				"					
SBR52-4152	280-290	20205				"					
SBR52-4153	290-300	20206				"					
SBR52-4154	300-310	20207				"					

Core drill Cuttings received July 18, 1952; assays made on air-dried samples.

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 Ground elevation 5663.5 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		Percent of orig. shale		
		Oil	Water				Oil	Water	Ignition loss		Ash
Laramie	Their										
SBR52-4155	310-320	20208				None					
SBR52-4156	320-330	20209				"					
SBR52-4157	330-340	20210				<1.0					
SBR52-4158	340-350	20211				None					
SBR52-4159	350-360	20212				"					
SBR52-4160	360-370	20213				"					
SBR52-4161	370-380	20214				"					
SBR52-4162	380-390	20215				"					
SBR52-4163	390-400	20216				"					
SBR52-4164	410-420	20217				"					
SBR52-4165	420-430	20218				"					
SBR52-4166	430-440	20219				"					
SBR52-4167	440-450	20220				"					
SBR52-4168	450-460	20221				"					
SBR52-4169	460-470	20222				"					
SBR52-4170	470-480	20223				"					
SBR52-4171	480-490	20224				"					
SBR52-4172	490-500	20225				"					
SBR52-4173	500-510	20226				"					
SBR52-4174	510-520	20227				"					
SBR52-4175	520-530	20228				"					
SBR52-4176	530-540	20229				"					
SBR52-4177	540-550	20230				"					
SBR52-4178	550-567	20231				"					
SBR52-4179	568-580	20232				"					
SBR52-4180	580-590	20233				"					
SBR52-4181	590-600	20234				"					
SBR52-4182	600-610	20235				"					
SBR52-4183	610-620	20236				"					
SBR52-4184	620-630	20237				"					

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 Sec. 27, T. 13S., R. 21E., Uintah County, Utah
 Ground elevation 5663.5 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			Percent of orig. shale		Tendency to coke	
			Oil	Water					Ignition loss	Ash		
Laramie	Their		Oil	Water	shale	loss	Oil	Water				
SBR52-4185	630-640	20238					None					
SBR52-4186	640-650	20239					"					
SBR52-4187	650-660	20240					"					
SBR52-4188	660-670	20241					"					
SBR52-4189	670-680	20242					"					
SBR52-4190	680-690	20243					"					
SBR52-4191	690-700	20244					"					
SBR52-4192	700-710	20245					"					
SBR52-4193	710-720	20246					Trace					
SBR52-4194	720-730	20247					None					
SBR52-4195	730-740	20248					Trace					
SBR52-4196	740-750	20249					"					
SBR52-4197	750-760	20250					"					
SBR52-4198	760-770	20251					None					
SBR52-4199	770-780	20252					"					
SBR52-4200	780-790	20253					"					
SBR52-4201	790-800	20254					"					
SBR52-4202	800-810	20255					"					
SBR52-4203	810-820	20256					"					
SBR52-4204	820-830	20257					"					
SBR52-4205	830-840	20258					"					
SBR52-4206	840-850	20259					"					
SBR52-4207	850-860	20260					"					
SBR52-4208	860-870	20261					"					
SBR52-4209	870-880	20262					"					
SBR52-4210	880-890	20263					"					
SBR52-4211	890-900	20264					"					
SBR52-4212	900-910	20265					"					
SBR52-4213	910-920	20266					Trace					
SBR52-4214	920-930	20267					None					

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 Sec. 27, T. 13S., R. 21E., Uintah County, Utah
 Ground elevation 5663.5 feet

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		Percent of orig. shale		Tendency to coke		
		Oil	Water				Ignition loss	Ash			
Laramie	Ther										
SBR52-4215	930-940	20268				None					
SBR52-4216	940-950	20269				"					
SBR52-4217	950-960	20270				"					
SBR52-4218	960-970	20271				"					
SBR52-4219	970-980	20272				"					
SBR52-4220	980-990	20273				"					
SBR52-4221	990-1000	20274				"					
SBR52-4222	1000-1010	20275				"					
SBR52-4223	1010-1020	20276				"					
SBR52-4224	1020-1030	20277				"					
SBR52-4225	1030-1040	20278				"					
SBR52-4226	1040-1050	20279				"					
SBR52-4227	1050-1060	20280				"					
SBR52-4228	1060-1070	20281				"					
SBR52-4229	1070-1080	20282				"					
SBR52-4230	1080-1090	20283				"					
SBR52-4231	1090-1100	20284				"					
SBR52-4232	1100-1110	20285				"					
SBR52-4233	1110-1120	20286				"					
SBR52-4234	1120-1130	20287				"					
SBR52-4235	1130-1140	20288				"					
SBR52-4236	1140-1150	20289				"					
SBR52-4237	1150-1160	20290				"					
SBR52-4238	1160-1170	20291				"					
SBR52-4239	1170-1180	20292				"					
SBR52-4240	1180-1190	20293				"					
SBR52-4241	1190-1200	20294				"					
SBR52-4242	1200-1210	20295				<1.0					
SBR52-4243	1210-1220	20296				Trace					
SBR52-5244	1220-1230	20297				"					

Core drill cuttings Samples SBR52-4215 through SBR52-4231 received July 18, 1952

Core drill cuttings Samples SBR52-4232 through SBR52-4244 received August 22, 1952

Assays made
on air dried
Samples

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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			Percent of orig. shale		Tendency to coke		
			Oil	Water	Spent shale	Gas + loss		Oil	Water			Ignition loss
Laramie	Their											
SBR52-4245	1230-1240	20298					None					
SBR52-4246	1240-1250	20299					"					
SBR52-4247	1250-1260	20300					"					
SBR52-4248	1260-1270	20301					"					
SBR52-4249	1270-1280	20302					"					
SBR52-4250	1280-1290	20303					"					
SBR52-4251	1290-1300	20304					"					
SBR52-4242	1300-1310	20305					"					
SBR52-4253	1310-1320	20306					"					
SBR52-4254	1320-1330	20307					"					
SBR52-4255	1330-1340	20308					"					
SBR52-4256	1340-1350	20309					"					
SBR52-4257	1350-1360	20310					"					
SBR52-4258	1360-1370	20311					"					
SBR52-4259	1370-1380	20312					"					
SBR52-4260	1380-1390	20313					"					
SBR52-4261	1390-1400	20314					"					
SBR52-4262	1400-1410	20315					"					
SBR52-4263	1410-1420	20316					"					
SBR52-4264	1420-1430	20317					"					
SBR52-4265	1430-1440	20318					"					
SBR52-4266	1440-1450	20319					"					
SBR52-4267	1450-1460	20320					"					
SBR52-4268	1460-1470	20321					"					
SBR52-4269	1470-1480	20322					"					
SBR52-4270	1480-1490	20323					"					
SBR52-4271	1500-1510	20324					"					
SBR52-4272	1510-1520	20325					"					
SBR52-4273	1520-1530	20326					"					
SBR52-4274	1530-1540	20327					"					

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Sample number		Run	Yield of product				Specific gravity of oil at 60°/60°F.	Properties of spent shale			Remarks	
			Weight percent		Gal. per ton			Percent of orig. shale		Tendency to coke		
			Oil	Water	Spent shale	Gas + loss		Oil	Water			Ignition loss
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil	Water	Ignition loss	Ash	Tendency to coke	Remarks
SBR52-4275	1540-1550	20328					None					
SBR52-4276	1550-1560	20329					"					
SBR52-4277	1560-1570	20330					"					
SBR52-4278	1570-1580	20331					"					
SBR52-4279	1580-1590	20332					"					
SBR52-4280	1590-1600	20333					"					

Core drill cuttings received August 22, 1952; assays made on air-dried samples.