

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Belco Petroleum Corporation's Stagecoach Unit well No. 1 drilled in NW 1/4, SE 1/4
of sec. 32, T. 8 S., R. 22 E., Uintah County, Utah

Surface elevation 4,726 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	Thair		Oil	Water			Oil	Water				
SBR61-4773	2000-2010	73218	1.1	0.6	98.0	0.3	2.9a	1.3		None		
SBR61-4774	2010-2020	73219	1.3	.7	97.4	.6	3.3a	1.8		None		
SBR61-4775	2020-2030	73220	.6	.8	98.2	.4	1.6a	1.8		None		
SBR61-4776	2030-2040	73221	.6	.6	98.5	.3	1.5a	1.4		None		
SBR61-4777	2040-2050	73222	.5	.5	98.6	.4	1.3a	1.3		None		
SBR61-4778	2050-2060	73223	1.3	.4	97.9	.4	3.3a	1.1		None		
SBR61-4779	2060-2070	73224	1.2	.4	97.7	.7	3.0a	1.1		None		
SBR61-4780	2070-2080	73225	1.5	.6	97.0	.9	3.9a	1.4		None		
SBR61-4781	2080-2090	73226	1.8	.5	96.7	1.0	4.6a	1.2		None		
SBR61-4782	2090-2100	73227	.8	.4	98.2	.6	2.2a	1.0		None		
SBR61-4783	2100-2110	73228	.8	.4	98.3	.5	2.1a	1.0		None		
SBR61-4784	2110-2120	73229	1.0	.2	98.1	.7	2.7a	.5		None		
SBR61-4785	2120-2130	73230	.7	.4	98.2	.7	1.8a	1.0		None		
SBR61-4786	2130-2140	73231	.9	.3	98.3	.5	2.4a	.6		None		
SBR61-4787	2140-2150	73232	1.6	.2	97.7	.5	4.1a	.5		None		
SBR61-4788	2150-2160	73233	1.8	.4	97.1	.7	4.8a	.8		None		
SBR61-4789	2160-2170	73234	2.0	.3	97.1	.6	5.2a	.6		None		
SBR61-4790	2170-2180	73235	1.4	.2	98.1	.3	3.6a	.6		None		
SBR61-4791	2180-2190	73236	1.9	.3	97.3	.5	5.0a	.7		None		
SBR61-4792	2190-2200	73237	2.2	.4	97.0	.4	5.8	.8	0.924	None		
SBR61-4793	2200-2210	73238	2.1	.2	97.2	.5	5.4	.6	.918	None		
SBR61-4794	2210-2220	73239	2.2	.4	96.9	.5	5.8	.8	.908	None		
SBR61-4795	2220-2230	73240	2.4	.1	96.5	1.0	6.3	.2	.915	None		
SBR61-4796	2230-2240	73241	2.2	.4	96.8	.6	5.8	1.0	.914	None		
SBR61-4797	2240-2250	73242	2.3	.3	96.5	.9	6.0	.7	.922	None		
SBR61-4798	2250-2260	73243	2.4	.3	96.7	.6	6.2	.7	.924	None		
SBR61-4799	2260-2270	73244	2.5	.3	96.6	.6	6.4	.8	.923	None		
SBR61-4800	2270-2280	73245	3.4	.2	95.8	.6	8.7	.6	.920	None		
SBR61-4801	2280-2290	73246	2.1	.3	97.0	.6	5.6	.7	.920	None		
SBR61-4802	2290-2300	73247	3.8	.2	95.4	.6	9.9	.5	.920	None		

a - Specific gravity estimated due to insufficient oil.

Drill cutting samples received December 7, 1960; assays made on air-dried samples.

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-3491P Sheet No. 1 of 7 sheets

June 22, 1961

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Belco Petroleum Corporation's Stagecoach Unit well No. 1 (Con.)

Surface elevation 4,726 feet

Surface elevation 4,726 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	Water	
SBR61-4803	2300-2310	73248	3.2	0.4	95.5	0.9	8.4	0.8	0.924	None	
SBR61-4804	2310-2320	73249	4.5	.2	94.0	1.3	11.6	.6	.921	None	
SBR61-4805	2320-2330	73250	3.1	.1	95.4	1.4	8.1	.2	.928	None	
SBR61-4806	2330-2340	73251	3.5	.2	95.5	.8	9.0	.6	.919	None	
SBR61-4807	2340-2350	73252	2.6	.2	96.4	.8	6.7	.6	.915	None	
SBR61-4808	2350-2360	73253	2.0	.3	96.9	.8	5.4	.7	.913	None	
SBR61-4809	2360-2370	73254	1.7	.6	97.5	.2	4.5a	1.4		None	
SBR61-4810	2370-2380	73255	2.9	.6	95.7	.8	7.5	1.4	.916	None	
SBR61-4811	2380-2390	73256	3.0	.4	95.8	.8	7.9	1.0	.925	None	
SBR61-4812	2390-2400	73257	2.8	.6	95.7	.9	7.3	1.4	.927	None	
SBR61-4813	2400-2410	73258	3.2	.3	95.9	.6	8.4	.6	.922	None	
SBR61-4814	2410-2420	73259	3.8	.2	94.5	1.5	9.8	.5	.920	None	
SBR61-4815	2420-2430	73260	3.5	.2	95.4	.9	9.2	.5	.924	None	
SBR61-4816	2430-2440	73261	3.5	.1	95.5	.9	9.2	.2	.920	None	
SBR61-4817	2440-2450	73262	3.1	.2	95.8	.9	8.1	.6	.912	None	
SBR61-4818	2450-2460	73263	3.0	.1	96.2	.7	7.8	.2	.920	None	
SBR61-4819	2460-2470	73264	2.9	.2	96.1	.8	7.5	.4	.921	None	
SBR61-4820	2470-2480	73265	3.0	.2	95.8	1.0	7.9	.5	.919	None	
SBR61-4821	2480-2490	73266	3.0	.2	95.9	.9	7.9	.4	.915	None	
SBR61-4822	2490-2500	73267	3.1	.2	96.3	.4	8.1	.4	.922	None	
SBR61-4823	2500-2510	73268	2.7	.2	96.4	.7	7.1	.5	.924	None	
SBR61-4824	2510-2520	73269	3.2	.2	95.9	.7	8.2	.5	.923	None	
SBR61-4825	2520-2530	73270	3.0	.3	95.9	.8	7.9	.6	.922	None	
SBR61-4826	2530-2540	73271	3.5	.3	95.4	.8	9.1	.6	.925	None	
SBR61-4827	2540-2550	73272	4.3	.2	94.2	1.3	11.0	.6	.930	None	
SBR61-4828	2550-2560	73273	4.7	.4	93.7	1.2	12.2	1.0	.924	None	
SBR61-4829	2560-2570	73274	5.4	.3	92.7	1.6	14.3	.7	.913	None	
SBR61-4830	2570-2580	73275	6.1	.3	92.5	1.1	16.0	.7	.913	None	
SBR61-4831	2580-2590	73276	5.2	.3	93.5	1.0	13.6	.7	.911	None	
SBR61-4832	2590-2600	73277	5.5	.2	93.3	1.0	14.4	.5	.912	None	

a - Specific gravity estimated due to insufficient oil.

Drill cutting samples received December 7, 1960; assays made on air-dried samples.

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-3491P Sheet No. 2 of 7 sheets June 22, 1961

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Belco Petroleum Corporation's Stagecoach Unit well No. 1 (Con.)

Surface elevation 4,726 feet

Sample number		Run No.	Yield of product				Specific gravity of oil at 60°/60° F.		Properties of spent shale		Remarks
			Weight percent		Cal. per ton				Tendency to		
Laramie	Their		Oil	Water	Spent shale	Gas + loss	Oil	Water	coke		
SBR61-4833	2600-2610	73278	4.4	0.4	94.4	0.8	11.6	0.8	0.912	None	
SBR61-4834	2610-2620	73279	4.8	.3	94.0	.9	12.6	.6	.916	None	
SBR61-4835	2620-2630	73280	4.3	.2	94.5	1.0	11.2	.6	.917	None	
SBR61-4836	2630-2640	73281	3.8	.2	95.1	.9	10.1	.5	.909	None	
SBR61-4837	2640-2650	73282	4.8	.2	94.0	1.0	12.4	.6	.918	None	
SBR61-4838	2650-2660	73283	4.6	.2	94.5	.7	11.9	.6	.919	None	
SBR61-4839	2660-2670	73284	4.7	.3	94.6	.4	12.3	.6	.920	None	
SBR61-4840	2670-2680	73285	4.7	.2	94.4	.7	12.2	.5	.920	None	
SBR61-4841	2680-2690	73286	4.6	.2	94.6	.6	12.0	.6	.918	None	
SBR61-4842	2690-2700	73287	4.4	.2	94.8	.6	11.6	.5	.920	None	
SBR61-4843	2700-2710	73288	4.4	.2	94.6	.8	11.6	.4	.922	None	
SBR61-4844	2710-2720	73289	5.2	.3	93.4	1.1	13.4	.7	.923	None	
SBR61-4845	2720-2730	73290	4.3	.2	94.6	.9	11.2	.5	.923	None	
SBR61-4846	2730-2740	73291	4.1	.2	94.4	1.3	10.6	.6	.917	None	
SBR61-4847	2740-2750	73292	4.8	.2	93.4	1.6	12.5	.5	.918	None	
SBR61-4848	2750-2760	73293	5.7	.2	92.7	1.4	14.8	.5	.917	None	
SBR61-4849	2760-2770	73294	5.5	.2	92.7	1.6	14.4	.6	.915	None	
SBR61-4850	2770-2780	73295	4.9	.1	93.8	1.2	12.7	.4	.915	None	
SBR61-4851	2780-2790	73296	4.4	.2	94.0	1.4	11.5	.5	.917	None	
SBR61-4852	2790-2800	73297	5.0	.2	93.2	1.6	13.1	.6	.914	None	
SBR61-4853	2800-2810	73298	4.6	.3	93.3	1.8	12.1	.7	.915	None	
SBR61-4854	2810-2820	73299	7.7	.4	90.4	1.5	20.4	.8	.907	Slight	
SBR61-4855	2820-2830	73300	9.1	.5	88.6	1.8	24.0	1.2	.907	Slight	
SBR61-4856	2830-2840	73301	10.2	.5	87.2	2.1	26.9	1.2	.910	Slight	
SBR61-4857	2840-2850	73302	8.2	.2	89.6	2.0	21.6	.5	.906	Slight	
SBR61-4858	2850-2860	73303	7.6	.4	90.4	1.6	20.2	1.0	.903	None	
SBR61-4859	2860-2870	73304	8.4	.3	89.7	1.6	22.3	.8	.903	None	
SBR61-4860	2870-2880	73305	5.5	.3	92.9	1.3	14.6	.8	.900	None	
SBR61-4861	2880-2890	73306	6.2	.4	92.2	1.2	16.4	.8	.908	None	
SBR61-4862	2890-2900	73307	7.2	.5	90.8	1.5	18.9	1.2	.910	None	

Drill cutting samples received December 7, 1960; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Belco Petroleum Corporation's Stagecoach Unit well No. 1 (Con.)

Surface elevation 4,726 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 + loss					
Laramie	Their		Oil	Water			Oil	Water			
SBR61-4863	2900-2910	73308	3.9	0.4	95.3	0.4	10.3	0.8	0.916	None	
SBR61-4864	2910-2920	73309	3.4	.7	95.7	.2	8.9	1.7	.918	None	
SBR61-4865	2920-2930	73310	2.5	1.0	96.2	.3	6.6	2.4	.917	None	
SBR61-4866	2930-2940	73311	2.5	1.2	96.0	.3	6.5	2.9	.917	None	
SBR61-4867	2940-2950	73312	1.9	1.2	96.4	.5	4.9a	2.9		None	
SBR61-4868	2950-2960	73313	1.8	1.0	96.8	.4	4.8a	2.4		None	
SBR61-4869	2960-2970	73314	1.4	.6	97.5	.5	3.8a	1.4		None	
SBR61-4870	2970-2980	73315	1.0	.7	97.8	.5	2.6a	1.6		None	
SBR61-4871	2980-2990	73316	3.1	.6	95.3	1.0	8.1	1.6	.912	Slight	
SBR61-4872	2990-3000	73317	2.8	.6	95.7	.9	7.3	1.4	.908	None	
SBR61-4873	3000-3010	73318	4.2	.5	94.3	1.0	11.0	1.3	.906	Slight	
SBR61-4874	3010-3020	73319	5.5	.5	92.6	1.4	14.7	1.2	.902	Slight	
SBR61-4875	3020-3030	73320	7.2	.6	90.3	1.9	18.9	1.4	.916	Slight	
SBR61-4876	3030-3040	73321	6.1	.7	91.5	1.7	15.9	1.7	.915	Slight	
SBR61-4877	3040-3050	73322	4.0	.8	93.8	1.4	10.4	2.0	.914	None	
SBR61-4878	3050-3060	73323	3.4	1.0	94.5	1.1	8.8	2.4	.912	None	
SBR61-4879	3060-3070	73324	2.3	.8	96.1	.8	6.0	2.0	.912	None	
SBR61-4880	3070-3080	73325	2.2	.8	96.2	.8	5.9	1.8	.911	None	
SBR61-4881	3080-3090	73326	2.1	.8	96.2	.9	5.7	1.8	.907	None	
SBR61-4882	3090-3100	73327	1.6	.5	97.2	.7	4.2a	1.2		None	
SBR61-4883	3100-3110	73328	1.5	.8	97.0	.7	3.8a	1.9		None	
SBR61-4884	3110-3120	73329	1.2	.7	97.5	.6	3.1a	1.8		None	
SBR61-4885	3120-3130	73330	1.8	1.4	96.0	.8	4.7a	3.4		None	
SBR61-4886	3130-3140	73331	2.0	1.0	96.2	.8	5.2a	2.4		None	
SBR61-4887	3140-3150	73332	1.4	.8	97.3	.5	3.6a	2.0		None	
SBR61-4888	3150-3160	73333	1.5	.8	97.4	.3	3.8a	1.9		None	
SBR61-4889	3160-3170	73334	2.0	1.2	96.1	.7	5.1a	2.9		None	
SBR61-4890	3170-3180	73335	4.3	1.5	93.0	1.2	11.4	3.6	.912	None	
SBR61-4891	3180-3190	73336	4.2	1.3	93.3	1.2	11.1	3.1	.915	None	
SBR61-4892	3190-3200	73337	3.1	1.2	94.6	1.1	8.0	2.9	.915	None	

a - Specific gravity estimated due to insufficient oil.

Drill cutting samples received December 7, 1960; assays made on air-dried samples.

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-3491P Sheet No. 4 of 7 sheets June 22, 1961

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Belco Petroleum Corporation's Stagecoach Unit well No. 1 (Con.)

Surface elevation 4,726 feet

Surface elevation 4,720 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	Water	
SBR61-4893	3200-3210	73338	2.4	1.0	95.7	0.9	6.3	2.4	0.911	None	
SBR61-4894	3210-3220	73339	2.6	1.1	95.5	.8	7.0	2.6	.903	None	
SBR61-4895	3220-3230	73340	2.0	1.0	96.3	.7	5.4	2.3	.904	None	
SBR61-4896	3230-3240	73341	2.0	.9	96.4	.7	5.4	2.0	.903	None	
SBR61-4897	3240-3250	73342	1.5	.8	96.7	1.0	3.9a	2.0		None	
SBR61-4898	3250-3260	73343	1.8	.7	96.7	.8	4.6a	1.8			
SBR61-4899	3260-3270	73344	1.5	.6	96.9	1.0	4.0a	1.4		None	
SBR61-4900	3270-3280	73345	1.3	.7	97.1	.9	3.5a	1.6		None	
SBR61-4901	3280-3290	73346	1.3	.7	97.3	.7	3.3a	1.8		None	
SBR61-4902	3290-3300	73347	1.2	.9	97.3	.6	3.2a	2.2		None	
SBR61-4903	3300-3310	73348	1.3	1.2	97.1	.4	3.3a	2.9		None	
SBR61-4904	3310-3320	73349	1.6	1.0	96.5	.9	4.1a	2.4		None	
SBR61-4905	3320-3330	73350	1.8	1.0	96.5	.7	4.8a	2.3		None	
SBR61-4906	3330-3340	73351	1.1	1.5	96.8	.6	2.8a	3.6		None	
SBR61-4907	3340-3350	73352	1.5	1.2	96.6	.7	3.9a	2.9		None	
SBR61-4908	3350-3360	73353	2.3	1.6	94.9	1.2	6.1	3.8	.905	None	
SBR61-4909	3360-3370	73354	3.6	1.6	93.6	1.2	9.5	3.8	.910	None	
SBR61-4910	3370-3380	73355	3.5	1.0	94.5	1.0	9.3	2.4	.907	None	
SBR61-4911	3380-3390	73356	3.5	.9	95.0	.6	9.2	2.2	.904	None	
SBR61-4912	3390-3400	73357	3.7	.8	94.5	1.0	9.9	1.9	.905	None	
SBR61-4913	3400-3410	73358	3.5	1.2	94.6	.7	9.3	2.9	.899	None	
SBR61-4914	3410-3420	73359	3.9	1.1	94.0	1.0	10.3	2.6	.901	None	
SBR61-4915	3420-3430	73360	3.4	1.1	94.5	1.0	9.0	2.6	.903	None	
SBR61-4916	3430-3440	73361	3.4	1.1	94.4	1.1	8.8	2.6	.907	None	
SBR61-4917	3440-3450	73362	3.3	1.1	94.4	1.2	8.8	2.6	.904	None	
SBR61-4918	3450-3460	73363	2.7	1.7	94.9	.7	7.1	4.1	.907	None	
SBR61-4919	3460-3470	73364	1.7	2.3	95.4	.6	4.4a	5.5		None	
SBR61-4920	3470-3480	73365	1.4	2.5	95.5	.6	3.6a	6.0		None	
SBR61-4921	3480-3490	73366	5.6	1.4	92.0	1.0	14.8	3.4	.904	None	
SBR61-4922	3490-3500	73367	3.7	1.5	93.6	1.2	9.9	3.6	.903	None	

a - Specific gravity estimated due to insufficient oil.

Drill cutting samples received December 7, 1960; assays made on air-dried samples.

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-3491P Sheet No. 5 of 7 sheets June 22, 1961

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Belco Petroleum Corporation's Stagecoach Unit well No. 1 (Con.)

Surface elevation 4,726 feet

			Yield of product				Specific		Properties of		
Sample number		Run No.	Weight percent		Spent shale	Gas + loss	Gal. per ton		gravity of oil at 60°/60° F.	spent shale Tendency to coke	Remarks
Laramie	Their		Oil	Water			Oil	Water			
SBR61-4923	3500-3510	73368	3.1	1.6	94.1	1.2	8.1	3.8	0.904	None	
SBR61-4924	3510-3520	73369	3.0	1.5	94.3	1.2	8.1	3.6	.904	None	
SBR61-4925	3520-3530	73370	2.9	1.3	94.8	1.0	7.7	3.1	.904	None	
SBR61-4926	3530-3540	73371	4.0	1.3	93.5	1.2	10.7	3.0	.905	None	
SBR61-4927	3540-3550	73372	3.7	1.2	94.0	1.1	9.8	2.9	.898	None	
SBR61-4928	3550-3560	73373	4.6	1.3	92.8	1.3	12.1	3.2	.905	None	
SBR61-4929	3560-3570	73374	5.6	1.7	91.1	1.6	14.8	4.1	.910	None	
SBR61-4930	3570-3580	73375	4.8	1.6	92.1	1.5	12.7	3.8	.903	None	
SBR61-4931	3580-3590	73376	3.6	1.7	93.5	1.2	9.6	4.1	.901	None	
SBR61-4932	3590-3600	73377	3.7	1.7	93.3	1.3	9.9	4.0	.899	None	
SBR61-4933	3600-3610	73378	3.1	1.7	94.2	1.0	8.3	4.1	.896	None	
SBR61-4934	3610-3620	73379	1.8	2.0	96.0	.2	4.6a	4.8		None	
SBR61-4935-37	3620-3650						3.0c				
SBR61-4938	3650-3660	73380	.8	2.5	96.0	.7	2.1a	6.0		None	
SBR61-4939	3660-3670	73381	2.3	1.1	95.5	1.1	6.0a	2.7		None	
SBR61-4940	3670-3680	73382	1.9	1.8	95.5	.8	5.0a	4.3		None	
SBR61-4941	3680-3690						3.0c				
SBR61-4942	3690-3700						1.0 B				
SBR61-4943-44	3700-3720						No Oil				
SBR61-4945-46	3720-3740						Trace				
SBR61-4947-51	3740-3790						1.0 B				
SBR61-4953	4000-4010						No Oil				
SBR61-4954	4010-4020						Trace				
SBR61-4955-56	4030-4050						3.0c				
SBR61-4957	4050-4060						1.0 B				
SBR61-4958	4060-4070						Trace				
SBR61-4959-62	4070-4110						1.0 B				
SBR61-4963	4110-4120						Trace				
SBR61-4964-67	4120-4160						3.0c				
SBR61-4968-70	4160-4190						1.0 B				

a - Specific gravity estimated due to insufficient oil.

b - Less than 1.0 gallon of oil per ton of shale.

c - More than 1.0 but less than 3.0 gallons of oil per ton of shale.

Drill cutting samples received December 7, 1960; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Belco Petroleum Corporation's Stagecoach Unit well No. 1 (Con.)

Surface elevation 4,726 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	Water		
SBR61-4971-72	4190-4210						No Oil			
SBR61-4973-80	4210-4290						Trace			
SBR61-4981	4290-4300						1.0B			
SBR61-4982	4600-4610						Trace			
SBR61-4983	4610-4620	73383	2.4	2.0	94.8	0.8	6.3	4.8	0.913	None
SBR61-4984	4620-4630	73384	2.2	1.7	94.8	1.3	5.7	4.1	.898	None
SBR61-4985	4630-4640	73385	1.3	1.9	96.1	.7	3.5a	4.6		None
SBR61-4986	4640-4650	73386	2.2	1.8	94.9	1.1	6.0	4.3	.883	None
SBR61-4987	4650-4660	73393	2.2	1.7	95.3	.8	6.2	4.1	.877	
SBR61-4988	4660-4670	73394	1.7	2.0	95.6	.7	4.5a	4.8		None
SBR61-4989	4670-4680	73395	1.8	2.0	95.7	.5	4.7a	4.8		None
SBR61-4990	4680-4690	73396	1.6	2.0	96.0	.4	4.3a	4.8		None
SBR61-4991	4690-4700	73397	1.5	1.7	96.5	.3	3.9a	4.1		None
SBR61-4992	4700-4710	73398	1.8	1.9	96.0	.3	4.6a	4.6		None
SBR61-4993	4710-4720	73399	1.8	2.0	95.9	.3	4.6a	4.8		None
SBR61-4994	4720-4730	73400	.8	1.8	96.6	.8	2.1a	4.3		None
SBR61-4995	4730-4740	73401	1.1	1.9	96.8	.2	2.7a	4.6		None
SBR61-4996	4740-4750	73402	1.4	1.5	96.3	.8	3.6a	3.6		None
SBR61-4997	4750-4760	73403	.9	1.5	97.2	.4	2.4a	3.6		None
SBR61-4998	4760-4770	73404	.9	1.3	97.0	.8	2.4a	3.1		None
SBR61-4999	4770-4780	73405	.9	1.2	97.0	.9	2.4a	2.9		None
SBR61-5000	4780-4790	73406	.9	1.3	97.0	.8	2.3a	3.1		None
SBR61-5001	4790-4800	73407	.9	1.4	96.9	.8	2.4a	3.4		None
SBR61-5002	4800-4810	73408	.6	1.4	97.4	.6	1.6a	3.4		None
SBR61-5003-13	4810-4910						1.0B			
SBR61-5014-23	4910-5010						Trace			
SBR61-5024-42	5010-5200						No Oil			

a - Specific gravity estimated due to insufficient oil.

b - Less than 1.0 gallon of oil per ton of shale.

Drill cutting samples received December 7, 1960; assays made on air-dried samples