

## OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Cities Service Oil Company's Peters Point Unit No. 1 well, located in the Center of the SW 1/4, NW 1/4 of sec. 6, T. 13 S., R. 17 E., Carbon County, Utah

0' of 30  
0' of 25  
10' of 15  
UR 245 ✓

Derrick floor elevation - 6,811 feet

Green River formation top at surface, bottom at 2,790 feet

Sample number		Run No.	Yield of product				Gal. per ton		Specific gravity of oil at 60°/60°F.	Properties of Spent shale Tendency to coke	Remarks
			Weight percent		Spent Gas +						
Laramie	Their		Oil	Water	shale	loss	Oil	Water			
SBR53-4358-63	0-60	27316-21					c				
SBR53-4364-7	60-100	27322-5					b				
SBR53-4368	100-110	27326					c				
SBR53-4369	110-120	27327	0.7	1.0	98.0	0.3	1.7a	2.4		None	
SBR53-4370	120-130	27328	.8	1.0	98.0	.2	1.9a	2.4		"	
SBR53-4371	130-140	27329	.4	.8	98.5	.3	1.1a	1.9		"	
SBR53-4372-4	140-170	27330-2					c				
SBR53-4375	170-180	27333	4.9	1.5	92.5	1.1	13.1	3.6	0.896	"	
SBR53-4376-7	180-200	27334-5					b				
SBR53-4378-80	200-230	27336-8					c				
SBR53-4381	230-240	27339	2.1	1.5	95.7	.7	5.6	3.6	.912	"	
SBR53-4382	240-250	27340					c				
SBR53-4383	250-260	27341					b				
SBR53-4384	260-270	27342					None				
SBR53-4385-92	270-350	27343-50					c				
SBR53-4393	350-360	27351					None				
SBR53-4394-5	360-380	27352-3					c				
SBR53-4396	380-390	27354					Trace				
SBR53-4397-8	390-410	27355-6					None				
SBR53-4399-401	410-440	27357-9					c				
SBR53-4402-4	440-470	27360-2					b				
SBR53-4405	470-480	27363					Trace				
SBR53-4406-9	480-520	27364-7					None				
SBR53-4410-	520-530	27368					b				
SBR53-4411	530-540	27369					None				
SBR53-4412	540-550	27370					b				
SBR53-4413	550-560	27371					None				
SBR53-4414-5	560-580	27372-3					b				
SBR53-4416-7	580-600	27374-5					None				
SBR53-4418-9	600-620	27376-7					b				

a Estimated; b Less than 1.0 gallons of oil/ton of shale; c More than 1.0 but less than 3.0 gallons of oil/ton of shale

Core drill cuttings received September 12, 1952; assays made on air-dried samples

Petroleum and Oil-Shale Experiment Station, Laramie, Wyoming, Illustration No. SBR-1254P October 26, 1953

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Derrick floor elevation - 6,811 feet

Green River formation, top at surface, bottom at 2,790 feet

Sample number		Run No.	Yield of product				Gal. per ton		Specific gravity of oil at 60°/60°F.	Properties of Spent shale Tendency to cake	Feet not sampled
			Weight percent		Spent Gas +						
			Laramie	Their	Oil	Water	shale	loss			
SBR53-4420-1	620-640	27378-9					None				
SBR53-4422	640-650	27380					b				
SBR53-4423-7	650-700	27381-5					None				
SBR53-4428-30	700-730	27386-8					b				
SBR53-4431	730-740	27389					None				
SBR53-4432-3	740-760	27390-1					b				
SBR53-4434-8	760-810	27392-6					None				
SBR53-4439-40	810-830	27397-8					b				
SBR53-4441-3	830-860	27399-401					c				
SBR53-4444	860-870	27402					b				
SBR53-4445	870-880	27403					Trace				
SBR53-4446-50	880-930	27404-8					None				
SBR53-4451	930-940	27409					b				
SBR53-4452-70	940-1330	27410-28					None				
SBR53-4471	1330-1340	27429					b				
SBR53-4472-3	1340-1360	27430-1					None				
SBR53-4474	1360-1370	27432					Trace				
SBR53-4475-82	1370-1450	27433-40					b				
SBR53-4483	1450-1460	27441					None				
SBR53-4484-6	1460-1490	27442-4					b				
SBR53-4487-8	1490-1510	27445-6					c				
SBR53-4489-92	1510-1550	27447-50					None				
SBR53-4493-4	1550-1570	27451-2					b				
SBR53-4495-9	1570-1620	27453-7					None				
SBR53-4500-2	1620-1650	27458-60					b				
SBR53-4503-5	1650-1690	27461-3					None				1660-1670
SBR53-4506	1690-1700	27464					Trace				
SBR53-4507-8	1700-1720	27465-6					b				
SBR53-4509-13	1720-2110	27467-71					None				1750-2120
SBR53-4514-16	2110-2170	27472-4					b				

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Petroleum and Oil-Shale Experiment Station, Laramie, Wyoming, Illustration No. SER-1255P October 26, 1953

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			Weight percent		Gal. per ton						
			Laramie	Their	Oil	Water	Spent shale	Gas + loss	Oil	Water	
SBR53-4517	2170-2180	27475					None				
SBR53-4518	2180-2190	27476					Trace				
SBR53-4519-20	2190-2210	27477-8					b				
SBR53-4521	2210-2220	27479					c				
SBR53-4522-3	2220-2240	27480-1					None				
SBR53-4524-5	2240-2260	27482-3					b				
SBR53-4526	2260-2270	27484					c				
SBR53-4527-8	2270-2290	27485-6					b				
SBR53-4529-36	2290-2370	27487-94					None				
SBR53-4537	2370-2380	27495					Trace				
SBR53-4538-50	2380-2501½	27496-508					None				2490-2499
SBR53-4551	2501½-2512	27509					Trace				
SBR53-4552-3	2512-2514	27510-1					None				
SBR53-4554	2514-2516	27512					Trace				
SBR53-4555-61	2516-2560	27513-9					None				2529-2530
SBR53-4562	2560-2570	27520					b				
SBR53-4563	2570-2580	27521					Trace				
SBR53-4564-6	2580-2610	27522-4					b				
SBR53-4567-72	2610-2670	27525-30					None				
SBR53-4573-4	2670-2691	27531-2					b				2680-2686
SBR53-4575	2691-2691½	27533					None				
SBR53-4576	2691½-2702½	27534					c				
SBR53-4577-82	2702½-2760	27535-40					None				2702½-2710
SBR53-4583	2760-2770	27541					Trace				

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Core drill cuttings received September 12, 1952; assays made on air-dried samples

Petr. and Oil-Shale Experiment Station, Laramie, Wyo. Eng. Illustration No. SBR 1256P October 26, 1953 (