

0' of 30 UH241  
20' of 25 ✓

# OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Delhi-Taylor Oil Corporation's Government Well 1-17 drilled in SW1/4 NW1/4 SE1/4 1,851 feet  
N/S 2,080 feet W/E of sec. 17, T. 12S., R. 22E., Uintah County, Utah

Surface elevation 6,005 feet

*mahogany marker 5105'*

Surface elevation 6,005 feet

*mahogany marker 5105*

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
SBR62-2266-67	235-250						Trace				
SBR62-2268	250-260						b				
SBR62-2269-70	260-280						Trace				
SBR62-2271-74	280-320						c				
SBR62-2275-77	320-350						b				
SBR62-2278-79	350-370						c				
SBR62-2280	370-380						b				
SBR62-2281	380-390						Trace				
SBR62-2282	390-400	78518	1.2	1.5	97.0	0.3	3.0a	3.6		None	
SBR62-2283	400-410	78519	1.3	1.4	96.3	1.0	3.3a	3.4		None	
SBR62-2284	410-420						Trace				
SBR62-2285	420-430						No oil				
SBR62-2286	430-440	78520	1.6	1.0	95.7	1.7	4.2a	2.4		None	
SBR62-2287	440-450	78521	1.9	1.3	95.7	1.1	5.0a	3.1		None	
SBR62-2288	450-460	78522	.4	1.7	97.1	.8	.9a	4.1		None	
SBR62-2289-90	460-480						c				
SBR62-2291-93	480-510						b				
SBR62-2294-95	510-530						c				
SBR62-2296	540-570	78523	2.3	1.0	95.1	1.6	5.9	2.4	0.937	None	
SBR62-2297	570-580	78524	1.8	.8	95.8	1.6	4.5a	2.0		None	
SBR62-2298	580-590	78525	2.3	.9	95.5	1.3	5.9a	2.1		None	
SBR62-2299	590-600	78526	2.3	.8	95.7	1.2	5.8	2.0	.930	None	
SBR62-2300	600-620	78527	2.6	.9	95.3	1.2	6.7	2.1	.928	None	
SBR62-2301	620-640	78528	2.7	.7	95.3	1.3	7.0	1.7	.939	None	
SBR62-2302	640-660	78529	2.6	.6	95.8	1.0	6.7	1.5	.932	None	
SBR62-2303	660-680	78530	2.0	.9	95.7	1.4	5.1a	2.2		None	
SBR62-2304	680-700	78531	2.3	.8	95.7	1.2	5.9	1.9	.931	None	
SBR62-2305	700-720	78532	3.0	.9	95.1	1.0	7.6	2.1	.930	None	
SBR62-2306	720-740	78533	4.2	.8	93.5	1.5	10.7	2.0	.931	None	
SBR62-2307	740-760	78534	2.9	.9	94.2	2.0	7.6a	2.2		None	

See footnotes at end of table.

Drill cutting samples received October 27, 1961; assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-3555P, Sheet No. 1 of 4 sheets February 20, 1962

## OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Delhi-Taylor Oil Corporation's Government Well 1-17 (Con.)

Surface elevation 6,005 feet

			Yield of product						Specific gravity of oil at 60°/60° F.	Properties of	
Sample number		Run No.	Weight percent		Spent shale	Gas + loss	Gal. per ton			Tendency to coke	Remarks
			Oil	Water			Oil	Water			
Laramie	Their										
SBR62-2308	760-780	78535	2.0	0.9	96.1	1.0	5.3a	2.0		None	
SBR62-2309	780-800	78536	3.6	1.5	93.9	1.0	9.3	3.6	0.919	None	
SBR62-2310	800-820	78537	3.3	1.5	94.6	.6	8.5	3.6	.918	None	
SBR62-2311	820-840	78538	3.1	1.5	94.8	.6	8.1	3.6	.919	None	
SBR62-2312	840-860	78539	8.9	1.2	88.0	1.9	23.7	2.9	.902	None	
SBR62-2313	860-880	78540	9.2	1.1	87.7	2.0	24.6	2.6	.898	None	
SBR62-2314	880-900	78541	2.8	.7	95.7	.8	7.3	1.8	.917	None	
SBR62-2315	900-920	78542	9.5	.6	88.5	1.4	25.0	1.5	.913	None	
SBR62-2316	920-940	78543	8.3	.8	89.5	1.4	21.9	2.0	.909	None	
SBR62-2317	940-960	78544	4.3	.6	94.8	.3	11.2a	1.4		None	
SBR62-2318	960-980	78545	4.1	.9	94.0	1.0	10.9	2.1	.914	None	
SBR62-2319	980-1000	78546	4.7	.9	93.3	1.1	12.3	2.2	.919	None	
SBR62-2320	1000-1020	78547	2.3	.6	96.5	.6	6.0a	1.3		None	
SBR62-2321	1020-1040	78548	2.5	.6	96.7	.2	6.4a	1.3		None	
SBR62-2322	1040-1060	78549	.7	.6	98.6	.1	1.9a	1.5		None	
SBR62-2323-24	1060-1100						c				
SBR62-2325-27	1100-1160						Trace				
SBR62-2328	1160-1180						c				
SBR62-2329-30	1180-1220						Trace				
SBR62-2331-34	1220-1300						b				
SBR62-2335	1300-1320	78550	1.6	.6	97.7	.1	4.1a	1.4		None	
SBR62-2336	1320-1340	78551	.8	.7	98.3	.2	2.2a	1.7		None	
SBR62-2337-38	1340-1380						c				
SBR62-2339-40	1380-1420						b				
SBR62-2341-52	1420-1660						c				
SBR62-2353	1660-1680	78552	2.8	1.3	95.5	.4	7.4	3.1	.913	None	
SBR62-2354	1680-1700	78553	.7	.8	98.0	.5	1.9a	1.9		None	
SBR62-2355	1700-1720						b				
SBR62-2356	1720-1740	78554	.9	1.0	97.7	.4	2.3a	2.4		None	
SBR62-2357	1740-1760	78555	.8	1.2	97.8	.2	2.2a	2.8		None	

See footnotes at end of table.

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## OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Delhi-Taylor Oil Corporation's Government Well 1-17 (Con.)

Surface elevation 6,005 feet

Sample number		Run No.	Yield of product				Specific gravity of oil at 60°/60° F.		Properties of		Remarks	
			Weight percent		Spent shale	Gas + loss			Gal. per ton			Tendency to coke
			Oil	Water					Oil	Water		
Laramie	Their		Oil	Water	shale	loss	Oil	Water				
SBR62-2358	1760-1780	78556	4.9	1.3	92.5	1.3	12.7	3.1	0.921	None		
SBR62-2359	1780-1800	78557	2.5	.9	95.9	.7	6.4	2.2	.915	None		
SBR62-2360	1800-1820						Trace					
SBR62-2361	1820-1840						Assay					
SBR62-2362	1840-1860						No oil					
SBR62-2363	1860-1880						Trace					
SBR62-2364	1880-1900						No oil					
SBR62-2365	1900-1920						b					
SBR62-2366	1920-1940						c					
SBR62-2367	1940-1960						b					
SBR62-2368	1960-1980	78558	2.6	1.6	94.7	1.1	6.8a	3.9		None		
SBR62-2369	1980-2000	78559	1.1	1.6	97.0	.3	2.8a	3.8		None		
SBR62-2370-71	2000-2040						c					
SBR62-2372	2040-2060	78560	1.3	1.8	96.5	.4	3.3a	4.3		None		
SBR62-2373	2060-2080	78561	2.3	1.5	95.5	.7	5.9	3.6	.915	None		
SBR62-2374	2080-2100	78562	.4	2.0	97.2	.4	1.1a	4.8		None		
SBR62-2375	2100-2110	78563	2.7	1.5	94.9	.9	7.1	3.6	.914	None		
SBR62-2376-77	2110-2130						c					
SBR62-2378-79	2130-2150						b					
SBR62-2380-81	2150-2170						No oil					
SBR62-2382-83	2170-2190						Trace					
SBR62-2384-86	2190-2220						b					
SBR62-2387-96	2220-2320						c					
SBR62-2397	2320-2330						b					
SBR62-2398	2330-2340						c					
SBR62-2399-2401	2340-2370						Trace					
SBR62-2402-03	2370-2390						b					
SBR62-2404	2390-2400						c					
SBR62-2405	2400-2410						b					
SBR62-2406-08	2410-2440						c					

See footnotes at end of table.

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Samples from Delhi-Taylor Oil Corporation's Government Well 1-17 (Con.)

Surface elevation 6,005 feet

Sample number		Run No.	Yield of product				Specific gravity		Properties of		Remarks
Laramie	Their		Weight percent		Spent shale	Gas + loss	Gal. per ton		of oil at 60°/60° F.	spent shale Tendency to coke	
		Oil	Water	Oil			Water				
SBR62-2409-10	2440-2460						No oil				
SBR62-2411	2460-2470						c				
SBR62-2412	2470-2480	78564	1.6	2.1	95.2	1.1	4.2a	5.0		None	
SBR62-2413	2480-2490	78565	3.6	1.3	93.5	1.6	9.4	3.1	0.913	None	
SBR62-2414	2490-2500	78566	3.4	1.9	93.5	1.2	9.0	4.6	.908	None	
SBR62-2415	2500-2510	78567	.3	.6	98.5	.6	.7a	1.6		None	
SBR62-2416	2510-2520						c				
SBR62-2417	2520-2530						Trace				
SBR62-2418	2530-2540						No oil				
SBR62-2419-20	2540-2560						Trace				
SBR62-2421-22	2560-2580						b				
SBR62-2423-24	2580-2600						c				
SBR62-2425	2600-2610						Trace				
SBR62-2426	2610-2620						b				
SBR62-2427	2620-2630						c				
SBR62-2428	2630-2640						b				
SBR62-2429	2640-2650						Trace				
SBR62-2430	2650-2660						b				
SBR62-2431	2660-2670						Trace				
SBR62-2432	2670-2680						b				
SBR62-2433-35	2680-2710						No oil				
SBR62-2436	2710-2720						c				
SBR62-2437-48	2720-2840						No oil				
SBR62-2449-57	2850-2940						No oil				
SBR62-2458	2940-2950						b				
SBR62-2459	2950-2960	78568	1.0	.5	97.5	1.0	2.6a	1.3		None	
SBR62-2460	2960-2970	78569	1.2	1.6	96.3	.9	3.2a	3.7		None	
SBR62-2461	2970-2980	78570	.8	1.6	97.1	.5	2.1a	3.7		None	
SBR62-2462	2980-2990						c				
SBR62-2463	2990-3000						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.

Assay - Sample contained more than 3.0 gallons of oil per ton of shale.

Drill cutting samples received October 27, 1961; assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-3555P, Sheet No. 4 of 4 sheets February 20, 1962