

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Ladd Petroleum Corporation's Federal Well 1-30-74 drilled in the SW1/4NE1/4 (1986 feet FNL, 1990 feet FEL) of sec. 30, T 17 N, R 94 W, Sweetwater County, Wyoming

Surface elevation 6,740 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		Gas + loss	Gal per ton				
Laramie	Their	Oil	Water		Spent shale	Oil ^{1/}	Water		
SBR75-21621-2	40-60				c				
SBR75-21623-5	60-90				b				
SBR75-21626-7	90-110				c				
SBR75-21628	110-120				b				
SBR75-21629	120-130				c				
SBR75-21630-2	130-160				b				
SBR75-21633-6	160-200				c				
SBR75-21637	200-210	13862	0.4	2.7	95.7	1.2	1.1a	6.5	None
SBR75-21638	210-220	13863	.4	1.5	95.7	2.4	1.0a	3.6	None
SBR75-21639	220-230	13864	.9	2.9	94.9	1.3	2.4a	7.0	None
SBR75-21640	230-240	13865	1.3	2.8	94.0	1.9	3.5a	6.7	None
SBR75-21641	240-250	13866	.8	3.0	95.1	1.1	2.0a	7.2	None
SBR75-21642	250-260	13867	.4	1.7	96.3	1.6	1.1a	4.1	None
SBR75-21643	260-270	13868	.8	1.9	95.1	2.2	2.0a	4.6	None
SBR75-21644-5	270-290						b		
SBR75-21646-8	290-320						No Oil		
SBR75-21649	320-330						Trace		
SBR75-21650-1	330-350						No Oil		
SBR75-21652	350-360						Trace		
SBR75-21653	360-370						No Oil		
SBR75-21654	370-380	13869	.3	3.2	96.0	.5	.8a	7.7	None
SBR75-21655	380-390						b		
SBR75-21656	390-400						Trace		
SBR75-21657-91	410-760						No Oil		
SBR75-21692	760-770						Trace		
SBR75-21693-701	770-860						No Oil		
SBR75-21702	860-870						Trace		
SBR75-21703-29	870-1140						No Oil		
SBR75-21730-4	1140-1190						Trace		
SBR75-21735	1190-1200						No Oil		

See footnote at end of table.

Drill cuttings received October 24, 1975; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER MEHTOD

Samples from Ladd Petroleum Corporation's Federal Well I-30-74 (con.)

Surface elevation 6,740 feet

Sample number	Run	Yield of product				Specific gravity of oil at 60°/60° F	Properties of spent shale		Remarks	
		Weight percent		Gal per ton			Tendency to			
Laramie	Their	No.	Oil	Water	Spent Shale	Gas + loss	Oil ¹ /	Water	coke	
SBR75-21736-51	1400-1560						No Oil			
SBR75-21752-72	1570-1780						No Oil			
SBR75-21773	1780-1790	13870	1.0	3.2	95.3	0.5	2.5a	7.7	None	
SBR75-21774	1790-1800	13871	1.7	3.0	94.7	.6	4.4a	7.2	None	
SBR75-21775	1800-1810	13872	1.0	2.5	95.3	1.2	2.6a	6.0	None	
SBR75-21776	1810-1820	13873	2.3	3.3	92.1	2.3	6.1	7.9	0.903	None
SBR75-21777	1820-1830	13874	2.5	3.4	92.4	1.7	6.6	8.1	.896	None
SBR75-21778	1830-1840	13875	2.3	3.4	92.9	1.4	6.1	8.1	.895	None
SBR75-21779	1840-1850	13876	2.7	3.0	93.6	.7	7.1	7.2	.901	None
SBR75-21780	1850-1860	13877	1.8	3.4	92.9	1.9	4.8a	8.1		None
SBR75-21781	1860-1870	13878	1.2	3.3	94.4	1.1	3.1a	7.9		None
SBR75-21782	1870-1880	13879	1.2	2.8	94.8	1.2	3.1a	6.7		None
SBR75-21783	1880-1890						b			
SBR75-21784	1990-2000						b			
SBR75-21785	2000-2010	13880	1.7	3.7	92.9	1.7	4.4a	8.9		None
SBR75-21786-7	2010-2030						No Oil			
SBR75-21788-9	2040-2060						Trace			
SBR75-21790-3	2060-2100						No Oil			
SBR75-21794	2100-2110	13881	1.3	2.7	92.6	3.4	3.3a	6.5		None
SBR75-21795	2110-2120	13882	.9	2.2	94.6	2.3	2.4a	5.3		None
SBR75-21796	2140-2150						b			
SBR75-21797-9	2180-2210						b			
SBR75-21800-1	2210-2230						No Oil			
SBR75-21802-3	2230-2250						Trace			
SBR75-21804	2290-2300						b			
SBR75-21805	2300-2310	13883	1.0	3.4	94.6	1.0	2.6a	8.1		None
SBR75-21806	2310-2320						b			
SBR75-21807	2320-2330						Trace			
SBR75-21808-9	2330-2360						Trace			
SBR75-21810	2360-2370						No Oil			

See footnote at end of table.

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Surface elevation 6,740 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		Gal per ton				
Laramie	Their		Oil	Water	Spent shale	Gas + loss	Oil ^{1/}	Water	
SBR75-21811-3	2390-2420						c		
SBR75-21814	2430-2440	13884	0.7	3.1	93.6	2.6	1.7a	7.4	None
SBR75-21815	2440-2450	13885	1.5	3.6	93.3	1.6	3.8a	8.6	None
SBR75-21816	2450-2460	13886	1.2	3.5	93.7	1.6	3.2a	8.4	None
SBR75-21818-20	2470-2500						b		
SBR75-21821	2620-2630						b		
SBR75-21822	2630-2640	13887	.6	3.3	94.5	1.6	1.5a	7.9	None
SBR75-21823	2640-2650	13888	.3	2.8	96.3	.6	.7a	6.7	None
SBR75-21824	2650-2660	13889	.7	3.2	94.3	1.8	1.9a	7.7	None
SBR75-21825	2660-2670						Trace		
SBR75-21826	2730-2740						No Oil		

^{1/} "a"-indicates specific gravity estimated as 0.92. Oil yields were estimated by a rapid test-tube method: "No Oil," "Trace," "b"-less than 1 gal oil/ton, "c"--1 to 3 gal oil/ton.

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