

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Brinkerhoff Drilling Company's Henry Unit Well No. 1, drilled in the SW1/4SE1/4 (588 feet N/S, 2,052 feet W/E) sec 7, T 15 N, R 110 W, Sweetwater County, Wyoming

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	
SBR74-15924	1015-1045						b			
SBR74-15925	1045-1075	97832	1.0	2.4	95.6	1.0	2.6a	5.8	None	
SBR74-15926	1105-1135						b			
SBR74-15927	1390-1420	97833	1.8	1.0	96.2	1.0	4.6a	2.4	None	
SBR74-15928	1420-1450	97834	1.7	1.3	95.9	1.1	4.6a	3.1	None	
SBR74-15929-34	1690-1870						c			
SBR74-15935	1930-1960	97835	1.5	1.3	93.5	3.7	3.9a	3.1	None	
SBR74-15936	1960-1990	97836	.4	.3	98.5	.8	1.0a	.8	None	
SBR74-15937	1990-2020						b			
SBR74-15938-9	2020-2080						c			
SBR74-15940	2080-2110						b			
SBR74-15941	2110-2140						c			
SBR74-15942	2140-2170						Trace			
SBR74-15943	2190-2220						c			
SBR74-15944	2340-2370	97837	8.3	.9	86.9	3.9	21.9	2.2	0.909	Slight
SBR74-15945	2610-2640	97838	7.4	1.7	88.0	2.9	19.5	4.1	.904	None
SBR74-15946	2640-2670	97839	9.1	1.2	87.0	2.7	24.2	2.9	.900	None
SBR74-15947	2670-2700	97840	7.5	1.4	88.1	3.0	19.9	3.4	.906	None
SBR74-15948	2700-2730	97841	7.5	1.4	88.5	2.6	19.8	3.4	.906	None
SBR74-15949	2730-2760	97842	6.8	1.5	89.2	2.5	18.0	3.6	.905	None
SBR74-15950	2760-2790	97843	11.5	.9	84.4	3.2	30.4	2.2	.904	None
SBR74-15951	2790-2820	97844	9.2	1.1	86.3	3.4	24.3	2.6	.903	None
SBR74-15952	2970-3000						No Oil			
SBR74-15953	3210-3240						No Oil			
SBR74-15954	3310-3340	97845	5.4	1.9	90.8	1.9	14.5	4.6	.901	None
SBR74-15955	3340-3370						b			
SBR74-15956	3370-3400						No Oil			
SBR74-15957	3400-3430						b			
SBR74-15958	3430-3460						No Oil			
SBR74-15959	3490-3520						No Oil			

See footnote at end of table.

Drill cutting samples received October 25, 1974; assays made on air-dried samples

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Samples from Brinkerhoff Drilling Company's Henry Unit Well No. 1 (con.)

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	Water	
SBR74-15960-2	4380-4470					No Oil			
SBR74-15963-72	4500-4800					No Oil			
SBR74-15973-6	5100-5220					No Oil			
SBR74-15977-8	5280-5340					No Oil			
SBR74-15979-82	5370-5490					No Oil			
SBR74-15983-4	5520-5580					No Oil			
SBR74-15985	5610-5640					No Oil			
SBR74-15986	5700-5730					No Oil			
SBR74-15987-8	5760-5820					No Oil			
SBR74-15989	5910-5940					No Oil			
SBR74-15990	6030-6060					No Oil			
SBR74-15991-3	6090-6180					No Oil			
SBR74-15994	6210-6240					No Oil			
SBR74-15995-6	6300-6360					No Oil			
SBR74-15997	6390-6420					No Oil			
SBR74-15998	6450-6480					No Oil			
SBR74-15999	6510-6540					No Oil			
SBR74-16000	6570-6600					No Oil			
SBR74-16001	6690-6720					No Oil			
SBR74-16002	6780-6810					No Oil			
SBR74-16003	6900-6930					No Oil			
SBR74-16004	6930-6990					No Oil			
SBR74-16005	7290-7360					No Oil			
SBR74-16006	7530-7560					No Oil			
SBR74-16007	7630-7650					No Oil			
SBR74-16008-13	7650-7830					No Oil			
SBR74-16014	7890-7920					No Oil			
SBR74-16015-6	7950-8000					No Oil			
SBR74-16017	8000-8010					c			
SBR74-16018	8010-8020					b			

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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
SBR74-16019	8030-8040						No Oil		
SBR74-16020	8360-8370						c		

^{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.

Drill cutting samples received October 25, 1974; assays made on air-dried samples