

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Amoco Production Company's Champlin 285 Amoco-A Well 1 drilled in the W1/2SW1/4 (1320 feet FSL, 1316 feet FWL) of sec. 27, T 20 N, R 112 W, Lincoln County, Wyoming

Surface elevation: 6,610 feet

Kelly Bushing elevation: 6,626 feet

Sample number		Run No.	Yield of product				Specific gravity of oil at 60°/60° F	Properties of spent shale		Remarks
			Weight percent		Gas + loss	Gal per ton		Tendency to coke		
Laramie	Their		Oil	Water		Spent shale			Oil ^{1/}	Water
SBR76-11129	1530-1560	24229	2.8	2.4	93.8	1.0	7.4	5.8	0.904	None
SBR76-11130	1560-1590	24230	1.9	2.1	94.8	1.2	4.8a	5.0		None
SBR76-11131	1590-1620	24231	2.7	2.5	94.0	.8	7.1	6.0	.903	None
SBR76-11133	1650-1680	24233	1.6	2.2	95.6	.6	4.2a	5.3		None
SBR76-11134	1680-1710	24234	1.0	1.4	96.7	.9	2.7a	3.4		None
SBR76-11135	1710-1740	24235	1.6	1.9	95.6	.9	4.2a	4.6		None
SBR76-11136	1740-1770	24236	.4	.6	97.2	1.8	1.0a	1.4		None
SBR76-11137-38	1770-1830						b			
SBR76-11139	1830-1860						c			
SBR76-11140	1860-1890						b			
SBR76-11141	1890-1920	24237	.1	1.3	98.1	.5	.4a	3.0		None
SBR76-11142	1920-1950	24238	.7	1.0	97.8	.5	1.9a	2.4		None
SBR76-11143	1950-1980	24239	.7	1.3	96.8	1.2	1.9a	3.1		None
SBR76-11144	1980-2010	24240	.8	1.1	97.7	.4	2.0a	2.6		None
SBR76-11145	2010-2040	24331	.7	1.1	97.7	.5	1.9a	2.6		None
SBR76-11146	2040-2070	24242	.2	.7	98.7	.4	.4a	1.7		None
SBR76-11147	2070-2100						c			
SBR76-11148	2100-2130						Trace			
SBR76-11149-67	2130-2700						No oil			
SBR76-11168	2700-2730						Trace			
SBR76-11169-77	2730-3000						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.

Drill cuttings received August 13, 1976; assays made on air-dried samples