

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Colorado Oil Company's Kewanee Federal 22-22 Well located in the
CSE1/4NW1/4 (1980 feet S/N, 1983 feet E/W) of sec 22, T 21 N, R 110 W, Sweetwater County, Wyoming

Surface elevation 6620 feet

Sample number	Run No.	Yield of product				Specific gravity of oil at 60°/60° F	Properties of spent shale		Remarks	
		Weight percent		Gal per ton			Tendency to coke			
Laramie	Their	Oil	Water	Spent Shale	Gas + Loss	Oil ^{1/}	Water			
SBR74-1789-93	220- 370					No oil				
SBR74-1794	370- 400					Trace				
SBR74-1795-97	910-1000					c				
SBR74-1798	1000-1030					b				
SBR74-1799	1030-1060					Trace				
SBR74-1800	1060-1090	90561	2.3	1.8	94.8	1.1	5.9	4.4	0.919	None
SBR74-1801	1090-1120	90562	.8	.7	97.8	.7	2.0a	1.8		None
SBR74-1802	1120-1150	90563	3.3	1.5	93.8	1.4	8.8	3.6	.911	None
SBR74-1803	1150-1180	90564	1.4	.6	97.2	.8	3.7a	1.3		None
SBR74-1804	1180-1210	90565	.9	.8	97.5	.8	2.4a	1.8		None
SBR74-1805	1210-1240						b			
SBR74-1806	1240-1270						Trace			
SBR74-1807	1270-1300	90566	1.3	1.1	96.2	1.4	3.3a	2.6		None
SBR74-1808	1300-1330	90567	6.7	1.3	89.3	2.7	17.6	3.1	.917	None
SBR74-1809-12	1330-1750						c			
SBR74-1813	1750-1780						b			
SBR74-1814	1780-1810	90568	.9	3.4	95.1	.6	2.4a	8.2		None
SBR74-1815	1810-1840	90569	2.0	2.4	94.6	1.0	5.1a	5.8		None
SBR74-1816	1840-1870	90570	3.8	2.0	92.9	1.3	10.2	4.8	.905	None
SBR74-1817	1870-1900	90571	2.5	2.2	94.3	1.0	6.5a	5.2		None

^{1/} "a"--indicates specific gravity estimated as 0.92. Oil yields were estimated by 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 July 11, 1973; assays made on air-dried samples