

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Amoco Production Company's Champlin 226 Amoco A Well No. 1 drilled in the NW1/4NW1/4 (663 feet FNL, 667 feet FWL) of sec. 11, T 17 N, R 93 W, Carbon County, Wyoming

Surface elevation: 6,750 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
SBR76-1660	40-50						Trace			
SBR76-1661-1670	50-150						No Oil			
SBR76-1671-1672	150-170						Trace			
SBR76-1673	170-180	16290	1.7	4.4	91.6	2.3	4.5a	10.5		None
SBR76-1674	180-190	16291	.0	4.1	95.3	.6	Trace	9.9		None
SBR76-1675	190-200	16292	.8	3.8	94.6	.8	2.2a	9.1		None
SBR76-1676	200-210						No Oil			
SBR76-1677	210-220	16293	.4	2.5	95.0	2.1	1.0a	6.0		None
SBR76-1678	220-230						No Oil			
SBR76-1679-1680	230-250						Trace			
SBR76-1681	250-260						b			
SBR76-1682	260-270						No Oil			
SBR76-1683	270-280						c			
SBR76-1684-1685	280-300						b			
SBR76-1686	300-310	16294	.8	3.0	94.8	1.4	2.1a	7.2		None
SBR76-1687	310-320	16295	.7	2.9	94.7	1.7	1.9a	7.0		None
SBR76-1688	320-330						c			
SBR76-1689	330-340						b			
SBR76-1690	340-350						No Oil			
SBR76-1691	350-360						b			
SBR76-1692	360-370						c			
SBR76-1693-1733	370-780						No Oil			
SBR76-1734-1743	790-890						No Oil			
SBR76-1744	900-910						No Oil			
SBR76-1745	920-930						No Oil			
SBR76-1746-1763	940-1120						No Oil			
SBR76-1764-1770	1130-1200						No Oil			
SBR76-1771-1789	1210-1400						No Oil			
SBR76-1790-1795	1400-1460						b			
SBR76-1796-1799	1470-1510						b			

See footnote at end of table.

Drill cuttings received January 27, 1976; assays made on air-dried samples

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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			Gal per ton					
Laramie	Their		Oil	Water	Spent shale	Gas + loss	Oil ^{1/}	Water			
SBR76-1800	1560-1570	16296	9.8	9.9	74.3	6.0	23.7	23.7	0.989	None	Some rubber
SBR76-1801	1590-1600	16297	13.1	8.1	73.9	4.9	32.9	19.4	.956	None	Some rubber
SBR76-1802	1600-1610	16298	11.1	8.9	74.5	5.5	27.9	21.4	.950	None	
SBR76-1803	1610-1620	16299	11.4	8.7	74.0	5.9	28.8	20.8	.949	None	
SBR76-1804	1620-1630	16300	10.1	6.9	77.7	5.3	25.7	16.5	.940	None	
SBR76-1805-1806	1690-1710						b				
SBR76-1807	1710-1720						Trace				
SBR76-1808	1870-1880	16301	.4	2.5	95.6	1.5	1.1a	6.0		None	
SBR76-1809	1880-1890	16302	.3	1.4	96.9	1.4	.8a	3.4		None	

^{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 January 27, 1976; assays made on air-dried samples