

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Amoco Production Company's Champlin 270 Amoco-A, Well 1 drilled in the CSW1/4 (1322 feet FSL, 1324 feet FWL) of sec. 29, T 23 N, R 94 W, Sweetwater County, Wyoming

Surface elevation: 6,733 feet

Sample number		Run No.	Yield of product				Specific gravity of oil at 60°/60° F	Properties of spent shale		Remarks
			Weight percent		Gas + Spent shale	Gal per ton		Tendency to coke		
Laramie	Their		Oil	Water			Oil ^{1/}		Water	
SBR76-10229	120-150	23377	2.9	16.0	70.6	10.5	7.6a	38.4		Slight
SBR76-10230	150-180	23378	.3	2.2	95.0	2.5	.8a	5.3		None
SBR76-10231	180-210	23379	.8	4.0	91.9	3.3	2.1a	9.6		None
SBR76-10232	210-240	23380	1.6	9.0	84.7	4.7	4.1a	21.6		None
SBR76-10233	240-270	23381	.4	2.4	96.6	.6	1.2a	5.8		None
SBR76-10234	270-300	23382	1.8	7.5	87.5	3.2	4.8a	18.0		None
SBR76-10235-36	300-360						No Oil			
SBR76-10237	360-390						Trace			
SBR76-10238	390-420	23383	3.4	10.0	82.1	4.5	8.5	24.0	0.969	None
SBR76-10239	420-450	23384	3.0	13.0	76.4	7.6	7.4	31.2	.985	None
SBR76-10240	450-480	23385	2.8	10.0	81.1	6.1	6.6	24.0	.999	None
SBR76-10241	480-510	23386	.0	1.7	96.7	1.6	Trace	4.1		None
SBR76-10242	510-540						Trace			
SBR76-10243	540-570						c			
SBR76-10244-45	570-630						b			
SBR76-10246	630-660	23387	5.0	12.5	73.4	9.1	12.0	30.0	.999	None
SBR76-10247	660-690	23388	.0	1.4	98.2	.4	No Oil	3.4		None
SBR76-10248	690-720	23389	.0	1.9	97.4	.7	Trace	4.6		None
SBR76-10249	720-750	23390	.3	15.0	73.5	11.2	.7a	36.0		None
SBR76-10250	750-780	23391	.6	3.2	94.8	1.4	1.5a	7.7		None
SBR76-10251	780-810	23392	2.7	8.0	86.6	2.7	6.6	19.2	.994	Slight
SBR76-10252-54	810-900						No Oil			
SBR76-10255	900-930	23393	.3	5.7	91.1	2.9	.7a	13.7		Slight
SBR76-10256	930-960	23394	3.7	12.5	78.1	5.7	9.0	30.0	.996	None
SBR76-10257	960-990	23395	1.1	6.1	89.4	3.4	3.0a	14.6		None
SBR76-10258	990-1020	23396	.2	4.4	93.9	1.5	.7a	10.5		Slight
SBR76-10259	1020-1050	23397	1.6	6.3	88.9	3.2	4.1a	15.1		None
SBR76-10260	1050-1080	23398	.0	3.4	95.8	.8	.1a	8.1		None
SBR76-10261	1080-1110	23399	7.4	13.1	71.4	8.1	19.2a	31.5		None
SBR76-10262	1110-1130	23400	.1	1.5	97.0	1.4	.3a	3.6		None

See footnote at end of table.

Drill cuttings received June 30, 1976; assays made on air-dried samples

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Samples from Amoco Production Company's Champlin 270 Amoco-A, Well 1

Surface elevation: 6,733 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		
Laramie	Their		Oil	Water	Spent shale	Gas + loss	Oil ^{1/}	Water	coke	
SBR76-10263-64	1130-1190						b			
SBR76-10265	1190-1220	23401	0.1	2.8	96.0	1.1	0.4a	6.7	None	
SBR76-10266	1220-1250	23402	2.3	6.0	87.4	4.3	5.9a	14.4	None	
SBR76-10267	1250-1280	23403	2.2	11.9	80.8	5.1	5.7a	28.5	None	
SBR76-10268	1280-1310	23404	2.1	7.3	87.9	2.7	5.5a	17.5	None	
SBR76-10269	1310-1340	23405	2.3	14.3	76.5	6.9	6.1a	34.2	None	
SBR76-10270	1340-1370	23406	1.0	4.1	93.0	1.9	2.6a	9.8	None	
SBR76-10271	1370-1400	23407	4.3	13.5	75.9	6.3	11.3a	32.3	None	
SBR76-10272	1400-1430	23408	1.8	10.4	82.9	4.9	4.8a	24.9	None	
SBR76-10273	1430-1460	23409	.4	2.0	96.9	.7	.9a	4.8	None	
SBR76-10274	1460-1490	23410	.5	3.0	95.7	.8	1.3a	7.2	None	
SBR76-10275	1500-1530	23411	5.8	10.8	80.8	2.6	14.5	25.8	0.955	None
SBR76-10276-78	1530-1620						Trace			
SBR76-10279	1620-1650						No Oil			
SBR76-10280	1650-1680						Trace			
SBR76-10281	1680-1710						c			
SBR76-10282	1710-1740						Trace			
SBR76-10283	1740-1770						b			
SBR76-10284	1770-1800						c			
SBR76-10285	1800-1830						Trace			
SBR76-10286-87	1830-1890						b			
SBR76-10288-89	1890-1950						c			
SBR76-10290-94	1950-2100						b			
SBR76-10295	2700-2730	23412	1.1	2.6	95.6	.7	2.9a	6.2	None	
SBR76-10296	2730-2760	23413	.6	2.5	96.2	.7	1.5a	6.0	None	
SBR76-10297	2760-2790	23414	.1	1.4	97.4	1.1	.4a	3.4	None	
SBR76-10298	2790-2820						b			
SBR76-10299-304	2820-3000						Trace			

^{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 June 30, 1976; assays made on air-dried samples