

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Mountain Fuel Supply Company's Canyon Creek Unit Well No. 26 drilled in NE1/4NE1/4 (660 feet S/N 660 feet W/E) of sec 34, T 13 N, R 101 W, Sweetwater County, Wyoming

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	
SBR71-6552	70- 85	60236	1.8	2.4	92.6	3.2	4.8a	5.8	None	
SBR71-6553	85-100	60237	2.0	3.3	92.0	2.7	5.3	7.9	0.917	None
SBR71-6554	100-115	60238	1.4	3.7	92.1	2.8	3.7a	8.9	None	
SBR71-6555	115-130	60239	1.1	2.5	94.2	2.2	2.8a	6.0	None	
SBR71-6556	130-145	60240	1.4	2.8	94.1	1.7	3.6a	6.7	None	
SBR71-6557	145-160	60241	1.9	3.3	93.2	1.6	5.1a	7.9	None	
SBR71-6558	160-175	60242	1.1	3.3	94.0	1.6	2.9a	7.9	None	
SBR71-6559	175-190	60243	1.0	3.3	93.4	2.3	2.5a	7.9	None	
SBR71-6560	190-205	60244	2.0	3.2	93.0	1.8	5.2	7.7	.925	None
SBR71-6561	205-220	60245	1.5	1.7	93.2	3.6	4.0a	4.1	None	
SBR71-6562	220-235	60246	2.1	2.9	92.6	2.4	5.3	7.0	.924	None
SBR71-6563	235-250	60247	2.3	2.7	93.5	1.5	6.0	6.5	.924	None
SBR71-6564	250-265	60248	2.1	2.8	92.9	2.2	5.4	6.7	.923	None
SBR71-6565	265-280	60249	.5	1.5	96.0	2.0	1.2a	3.7	None	
SBR71-6566	280-295	60250	1.1	1.8	95.3	1.8	2.8a	4.3	None	
SBR71-6567	295-310	60251	.9	1.0	96.4	1.7	2.4a	2.4	None	
SBR71-6568	310-340	60252	1.6	1.9	94.5	2.0	4.2a	4.6	None	
SBR71-6569	340-370	60253	1.8	1.1	95.2	1.9	4.7a	2.6	None	
SBR71-6570	390-420	60254	1.1	1.9	95.8	1.2	2.7a	4.6	None	
SBR71-6571	420-430	60255	7.7	1.6	83.3	7.4	20.1a	4.0	Slight	Coal
SBR71-6572	430-470	60256	11.7	8.2	71.4	8.7	30.4a	19.8	Slight	Coal
SBR71-6573	470-500	60257	2.1	2.9	92.8	2.2	5.4a	6.9	None	Coal
SBR71-6574	500-530	60258	14.3	2.5	74.3	8.9	37.1a	6.0	Slight	Coal
SBR71-6575	530-560	60259	6.8	3.6	83.4	6.2	17.0	8.7	.963	Coal
SBR71-6576	560-590	60260	7.9	5.1	82.0	5.0	19.4	12.2	.970	Coal
SBR71-6577	590-620	60261	4.5	2.8	88.9	3.8	11.1	6.7	.963	Coal
SBR71-6578	620-650	60262	1.3	2.4	95.1	1.2	3.4a	5.8	None	
SBR71-6579	680-710	60263	.4	1.5	97.5	.6	1.0a	3.6	None	
SBR71-6580	710-740	60264	.4	1.2	97.7	.7	.9a	2.9	None	
SBR71-6581-84	770-890						b			

See footnote at end of table.

Drill cutting samples received May 17, 1971; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Mountain Fuel Supply Company's Canyon Creek Unit Well No. 26 (con.)

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	
SBR71-6585-86	920- 980						b			
SBR71-6587	980-1010						No oil			
SBR71-6588	1010-1040						b			
SBR71-6589	1040-1070						No oil			
SBR71-6590	1070-1100						Trace			
SBR71-6591	1100-1130	60265	0.0	1.7	98.0	0.3	Trace	4.0		None
SBR71-6592-93	1130-1190						No oil			
SBR71-6594	1190-1220	60266	1.5	2.5	94.5	1.5	4.0a	6.0		None
SBR71-6595	1220-1250	60267	.0	1.9	97.8	.3	Trace	4.5		None
SBR71-6596	1250-1280	60268	.4	2.7	96.0	.9	1.1a	6.5		None
SBR71-6597	1280-1310	60269	.0	1.6	97.2	1.2	No oil	3.8		None
SBR71-6598	1310-1340	60270	5.3	3.0	87.7	4.0	13.8a	7.3		Coal
SBR71-6599	1340-1370	60271	1.9	3.2	92.1	2.8	5.0a	7.7		None
SBR71-6600	1370-1400	60272	6.0	3.3	84.4	6.3	15.7a	7.8		Coal
SBR71-6601	1400-1430	60273	3.4	3.1	89.5	4.0	8.9a	7.4		Coal
SBR71-6602	1430-1460	60274	.3	3.0	95.6	1.1	.8a	7.2		None
SBR71-6603	1460-1490	60275	3.3	2.6	92.0	2.1	8.7a	6.2		Coal
SBR71-6604	1490-1520	60276	1.4	3.6	94.0	1.0	3.5a	8.7		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.

Drill cutting samples received May 17, 1971; Assays made on air-dried samples