

OIL-SHALE ASSAYS BY MODIFIED RETORT METHOD

Samples from Pacific Transmission Supply Company's State Well 41-36, drilled in NE1/4NE1/4 (660 feet S/N, 4,636 feet E/W) of sec 36, T 26 N, R 112 W, Lincoln County, Wyoming

Surface elevation 7,134 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
SBR74-16325-35	0-130						No Oil			
SBR74-16336	130-140						b			
SBR74-16337-41	140-190						No Oil			
SBR74-16342	190-200						Trace			
SBR74-16343	200-210						No Oil			
SBR74-16344	210-220						Trace			
SBR74-16345	220-230						No Oil			
SBR74-16346-8	230-260						Trace			
SBR74-16349-51	260-290						b			
SBR74-16352	290-300						c			
SBR74-16353	300-310						No Oil			
SBR74-16354-5	310-330						Trace			
SBR74-16356-7	330-350						b			
SBR74-16358	350-360						c			
SBR74-16359	360-370	97846	0.5	1.7	97.2	0.6	1.2a	4.1		None
SBR74-16360	370-380	97847	1.4	1.3	96.3	1.0	3.6a	3.1		None
SBR74-16361	380-390	97848	1.7	1.5	94.3	2.5	4.3a	3.6		None
SBR74-16362	390-400	97849	1.9	1.4	95.7	1.0	5.0a	3.4		None
SBR74-16363	400-410	97850	1.8	1.4	95.8	1.0	4.7a	3.4		None
SBR74-16364	410-420	97851	1.8	1.5	95.7	1.0	4.8a	3.6		None
SBR74-16365	420-430	97852	1.9	1.5	95.5	1.1	4.9a	3.6		None
SBR74-16366	430-440	97853	1.8	1.5	95.7	1.0	4.8a	3.6		None
SBR74-16367	440-450	97854	1.8	1.6	95.6	1.0	4.7a	3.8		None
SBR74-16368	450-460	97855	1.4	1.5	96.0	1.1	3.7a	3.6		None
SBR74-16369	460-470	97856	.1	.1	97.0	2.8	.3a	.4		None
SBR74-16370	470-480	97857	1.3	1.3	96.4	1.0	3.4a	3.1		None
SBR74-16371	480-490	97858	1.5	1.4	96.2	.9	3.9a	3.4		None
SBR74-16372	490-500	97859	1.4	1.4	96.3	.9	3.7a	3.4		None
SBR74-16373	500-510	97860	1.4	1.2	96.2	1.2	3.6a	2.9		None
SBR74-16374-5	520-540						Trace			

See footnote at end of table.

Drill cutting sample received October 16, 1974; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Pacific Transmission Supply Company's State Well 41-36 (con.)

Surface elevation 7,134 feet

Sample number		Run No.	Yield of product				Specific gravity of oil at 60°/60° F	Properties of spent shale		Remarks
			Weight percent		Gal + loss	Gal per ton		Tendency to coke		
Laramie	Their		Oil	Water		shale			Oil ^{1/}	Water
SBR74-16376-7	540-560						b			
SBR74-16378-90	560-690						No Oil			
SBR74-16391	690-700						b			
SBR74-16392-8	700-770						No Oil			
SBR74-16399	770-780						Trace			
SBR74-16400	780-790	97861	0.6	1.5	97.8	0.1	1.4a	3.6	None	
SBR74-16401	790-800						b			
SBR74-16402	800-810						No Oil			
SBR74-16403	810-820						Trace			
SBR74-16404-19	820-980						No Oil			
SBR74-16420	980-990						Trace			
SBR74-16421	990-1000						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 cutting sample received October 16, 1974; assays made on air-dried samples