

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Tom Brown, Incorporated's Blue Gap II - Federal 15-14 Well drilled in the SW1/4SW1/4 (662 feet FSL, 565 feet FWL) of sec. 15, T 14 N, R 93 W, Carbon County, Wyoming

Surface elevation: 7,180 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 <sup>1/</sup>	Water	coke	
SBR76-4640	30-60	19301	4.2	3.3	90.9	1.6	11.2	7.9	None	
SBR76-4641	60-90	19302	3.4	2.5	91.2	2.9	9.2	6.0	None	
SBR76-4642	90-120	19303	3.4	3.0	92.5	1.1	9.3	7.2	None	
SBR76-4643	120-150	19304	3.4	2.6	92.7	1.3	9.2	6.2	None	
SBR76-4644	150-170	19305	3.2	3.0	92.5	1.3	8.5	7.2	None	170'-180' LCM
SBR76-4645	200-210	19352	3.3	3.2	91.5	2.0	8.7	7.6	None	
SBR76-4646	230-240	19307	2.8	3.0	91.7	2.5	7.4	7.2	None	
SBR76-4647	260-270	19308	3.0	3.3	92.3	1.4	7.8	7.9	None	
SBR76-4648	290-300	19309	2.0	4.9	90.7	2.4	5.4	11.7	None	
SBR76-4649	320-330	19310	2.0	4.3	92.0	1.7	5.3	10.3	None	
SBR76-4650	350-360						c			
SBR76-4651	380-390						b			
SBR76-4652	410-420	19311	.6	7.2	90.1	2.1	1.5a	17.3	None	480'-510' LCM
SBR76-4653	510-540						Trace			
SBR76-4654	540-570						b			
SBR76-4655	570-600						Trace			
SBR76-4656	600-630						b			
SBR76-4657	630-660						Trace			
SBR76-4658	660-690						No Oil			1000'-1010' LCM
SBR76-4659	1010-1020						c			
SBR76-4660	1030-1040	19312	.0	5.6	92.8	1.6	Trace	13.5	None	Rubber
SBR76-4661	1040-1050	19313	.0	7.5	89.7	2.8	Trace	17.9	None	Some rubber
SBR76-4662-63	1060-1080						b			1110'-1120' LCM
SBR76-4664	1150-1160						c			1140'-1150' LCM
SBR76-4665-67	1160-1190						No Oil			
SBR76-4668-91	1200-1440						No Oil			
SBR76-4692-711	1500-1700						No Oil			
SBR76-4713-31	1710-1900						No Oil			
SBR76-4732-39	1920-2000						No Oil			

<sup>1/</sup> "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 March 3, 1976; assays made on air-dried samples