

## OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Colorado Interstate Gas Exploration Company's Blue Gap II Unit Well 4 drilled in the SE1/4NW1/4 (1982 feet FNL, 1797 feet FWL) of sec. 30, T 15 N, R 92 W, Carbon County, Wyoming

Surface elevation: 6,683 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 <sup>1/</sup>	Water			
SBR76-11241	1000-1010	24270	32.2	0.4	61.6	5.8	87.7	1.0	0.879	Heavy	<u>2/</u>
SBR76-11242	1020-1030	24271	42.7	.1	50.0	7.2	116.8	.2	.877	Heavy	<u>2/</u>
SBR76-11243-44	1020A-1040						b				
SBR76-11245	1040-1050						c				
SBR76-11246-47	1050-1070						b				
SBR76-11248	1070-1080						Trace				
SBR76-11249-52	1080-1120						b				
SBR76-11253-56	1120-1160						Trace				
SBR76-11257	1160-1170						b				
SBR76-11258-97	1170-1570						No oil				
SBR76-11298-311	1580-1720						No oil				
SBR76-11312-20	1730-1820						No oil				
SBR76-11321-29	1830-1900A						No oil				
SBR76-11330-36	1920-1990						No oil				

<sup>1/</sup> 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. <sup>2/</sup> Sample bags were strongly oil-stained.

Drill cuttings received May 12, 1976; assays made on air-dried samples