

## OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Davis Oil Company's Yellow Point Ridge Well 1 drilled in the NE1/4SW1/4  
(1,980 feet FSL, 1,546 feet FWL) of sec 7, T 27 N, R 109 W, Sublette County, Wyoming

Surface elevation 7,066 feet

Sample Number	Run No.	Yield of product				Specific gravity of oil at 60°/60° F	Properties of spent shale Tendency to coke	Remarks			
		Weight percent		Gal per ton							
Laramie	Their	Oil	Water	Spent shale	Gas + loss	Oil <sup>1/</sup>	Water				
SBR75-20348	200-210	12880	5.7	3.7	89.0	1.6	15.2	8.9	0.893	None	
SBR75-20349	210-220	12881	6.0	3.7	88.1	2.2	16.0	8.9	.897	None	
SBR75-20350	220-230	12882	6.1	3.1	88.9	1.9	16.4	7.4	.894	None	
SBR75-20351	230-240	12883	4.4	1.6	91.3	2.7	11.8	3.8	.894	None	
SBR75-20352	240-250	12884	5.1	2.4	90.8	1.7	13.7	5.8	.893	None	
SBR75-20353	250-260	12885	5.3	1.3	89.7	3.7	14.2	3.0	.897	None	
SBR75-20354	260-270	12886	5.0	2.5	90.4	2.1	13.3	6.1	.895	None	
SBR75-20355	270-280	12887	5.1	2.3	90.7	1.9	13.8	5.5	.894	None	
SBR75-20356	280-290	12888	4.6	2.5	91.4	1.5	12.5	6.0	.889	None	
SBR75-20357	290-300	12889	.4	.8	97.5	1.3	1.1a	1.9		None	
SBR75-20358-60	300-330						c				
SBR75-20361-5	330-380						b				
SBR75-20366	380-390						No Oil				
SBR75-20367-8	390-410						Trace				
SBR75-20369-98	410-710						No Oil				
SBR75-20399-402	710-750						c				
SBR75-20403	750-760	12890	.2	.6	98.0	1.2	.5a	1.4		None	
SBR75-20404	760-770	12891	.4	.8	98.1	.7	1.1a	1.9		None	
SBR75-20405	770-780	12892	.4	.9	98.1	.6	1.1a	2.2		None	
SBR75-20406	780-790	12893	.6	1.0	97.7	.7	1.6a	2.3		None	
SBR75-20407-9	790-820						c				
SBR75-20410	820-830	12894	.5	.6	98.2	.7	1.4a	1.4		None	
SBR75-20411	830-840	12895	.7	.8	97.9	.6	1.7a	1.9		None	
SBR75-20412	840-850	12896	.4	1.0	97.7	.9	1.1a	2.4		None	
SBR75-20413	850-860	12897	.7	.9	97.7	.7	1.8a	2.2		None	
SBR75-20414	860-870	12898	2.2	1.0	95.6	1.2	6.0	2.3	.894	None	
SBR75-20415	870-880	12899	2.1	1.3	95.2	1.4	5.7	3.1	.892	None	
SBR75-20416	880-890	12900	2.2	1.1	95.8	.9	5.8	2.8	.889	None	
SBR75-20417	890-900	12901	2.3	1.0	95.4	1.3	6.1	2.4	.892	None	
SBR75-20418	910-920	12902	2.4	1.3	95.0	1.3	6.5	3.1	.893	None	

See footnote at end of table.

Drill cuttings received September 10, 1975; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Davis Oil Company's Yellow Point Ridge Unit Well 1 (con.)

Surface elevation 7,066 feet

Sample number		Run No.	Yield of product				Specific gravity of oil at 60°/60° F	Properties of spent shale		Remarks
			Weight percent		Spent shale	Gas + loss		Gal per ton		
Laramie	Their		Oil	Water					Oil <sup>1/</sup>	Water
SBR75-20419	920- 930	12903	2.2	1.2	95.4	1.2	5.9	3.0	0.890	None
SBR75-20420	930- 940	12904	2.1	.8	95.4	1.7	5.7	1.9	.898	None
SBR75-20421	940- 950	12905	2.5	1.0	95.2	1.3	6.8	2.4	.893	None
SBR75-20422	950- 960	12906	1.7	.7	96.0	1.6	4.5a	1.7		None
SBR75-20423	960- 970	12907	1.3	1.5	96.3	.9	3.4a	3.6		None
SBR75-20424	970- 980	12908	1.6	1.1	95.3	2.0	4.0a	2.6		None
SBR75-20425	980- 990	12909	1.7	1.2	95.8	1.3	4.3a	2.9		None
SBR75-20426	990-1000	12910	1.6	1.5	95.7	1.2	4.1a	3.6		None
SBR75-20427	1010-1020	12911	1.7	1.5	95.3	1.5	4.5a	3.6		None
SBR75-20428	1020-1030	12912	.3	1.5	96.4	1.8	.7a	3.5		None
SBR75-20429	1030-1040						No Oil			
SBR75-20430-1	1040-1060						c			
SBR75-20432	1060-1070						b			
SBR75-20433-8	1070-1130						No Oil			
SBR75-20439	1140-1150						No Oil			
SBR75-20440-523	1160-2000						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 September 10, 1975; assays made on air-dried samples