

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from the United States Bureau of Mines' Wyoming Corehole 10 drilled in the NW1/4SW1/4SE1/4 (786.5 feet N/S, 2,534.0 feet W/E) of sec 4, T 24 N, R 109 W, Sweetwater County, Wyoming

Surface elevation 6,617.3 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 ^{1/}	Water	coke	
SBR75-14780	202.7-204.4	7821	0.4	3.4	95.5	0.7	1.0a	8.1	None	
SBR75-14781	204.4-205.4	7822	1.1	3.8	94.5	.6	2.8a	9.1	None	
SBR75-14782	205.4-206.2	7823	1.2	2.4	95.7	.7	3.1a	5.8	None	
SBR75-14783	206.2-207.6	7824	1.5	3.2	94.6	.7	4.1a	7.7	None	
SBR75-14784	207.6-209.0	7825	1.8	3.3	93.8	1.1	4.7a	7.9	None	
SBR75-14785	209.0-210.0	7826	1.7	3.9	93.5	.9	4.5a	9.3	None	
SBR75-14786	210.0-211.0	7827	1.7	3.7	93.8	.8	4.4a	8.9	None	
SBR75-14787	211.0-212.0	7828	1.8	3.5	93.6	1.1	4.8a	8.4	None	
SBR75-14788	212.0-213.0	7829	1.0	4.2	94.1	.7	2.6a	10.1	None	
SBR75-14789	213.0-214.0	7836	1.8	3.1	94.1	1.0	4.6a	7.4	None	
SBR75-14790	214.0-215.0	7837	1.8	3.4	89.8	5.0	4.8a	8.1	None	
SBR75-14791	215.0-216.0	7838	2.1	3.0	93.5	1.4	5.5	7.2	0.903	None
SBR75-14792	216.0-217.0	7839	2.1	2.7	93.8	1.4	5.5	6.5	.898	None
SBR75-14793	217.0-218.0	7842	2.5	2.7	93.5	1.3	6.7	6.5	.893	None
SBR75-14794	218.0-219.0	7843	2.3	2.7	93.8	1.2	6.2	6.5	.908	None
SBR75-14795	219.0-220.1	7844	2.1	3.1	93.7	1.1	5.5	7.4	.922	None
SBR75-14796	222.3-223.3	7845	3.7	3.3	91.4	1.6	9.5	7.9	.923	None
SBR75-14797	223.3-224.3	7846	2.7	3.2	92.2	1.9	6.9	7.7	.928	None
SBR75-14798	224.3-225.3	7847	2.5	2.6	93.4	1.5	6.4	6.2	.923	None
SBR75-14799	225.3-227.1	7848	4.7	2.9	90.7	1.7	12.2	7.0	.921	None
SBR75-14800	227.1-228.4	7849	1.9	2.8	94.0	1.3	4.9a	6.7	None	
SBR75-14801	228.4-229.4	7850	4.4	2.3	91.3	2.0	11.5	5.5	.916	None
SBR75-14802	229.4-230.2	7851	5.9	2.6	89.0	2.5	15.5	6.2	.905	None
SBR75-14803	230.2-231.6	7852	5.8	2.7	89.4	2.1	15.4	6.5	.912	None
SBR75-14804	231.6-233.0	7853	5.6	3.0	89.3	2.1	14.9	7.2	.906	None
SBR75-14805	233.0-234.0	7854	6.8	2.6	89.2	1.4	18.0	6.2	.911	None
SBR75-14806	234.0-235.0	7855	5.6	2.4	90.8	1.2	14.6	5.9	.913	None
SBR75-14807	235.0-236.0	7856	7.3	2.4	88.4	1.9	19.2	5.8	.909	None
SBR75-14808	236.0-237.4	7857	5.1	2.5	90.5	1.9	13.4	6.1	.910	None
SBR75-14809	237.4-238.7	7858	4.1	3.3	91.8	.8	10.9	7.9	.896	None

See footnote at end of table

Core samples received July 22, 1974; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from the United States Bureau of Mines' Wyoming Corehole 10 (con.)

Surface elevation 6,617.3 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 ^{1/}	Water	coke		
SBR75-14810	238.7-239.7	7859	4.2	3.8	91.1	0.9	11.1	9.1	0.916	None	
SBR75-14811	239.7-241.0	7860	2.4	3.0	93.5	1.1	6.3	7.2	.902	None	
SBR75-14812	241.0-242.2	7861	2.5	2.8	93.3	1.4	6.7	6.7	.906	None	
SBR75-14813	242.2-243.2	7862	3.7	3.7	91.2	1.4	9.8	8.9	.909	None	
SBR75-14814	243.2-245.0	7863	3.0	3.1	92.7	1.2	8.0	7.4	.903	None	
SBR75-14815	245.0-246.3	7864	1.6	2.9	94.7	.8	4.1a	7.0		None	
SBR75-14816	246.3-248.6	7865	.9	1.4	97.0	.7	2.4a	3.4		None	
SBR75-14817	248.6-251.0	7866	1.1	1.4	96.5	1.0	2.8a	3.4		None	
SBR75-14818	251.0-252.2	7867	5.8	2.3	99.6	2.3	15.5	5.5	.905	None	
SBR75-14819	252.2-253.6	7868	.0	1.4	98.1	.5	.1a	3.4		None	
SBR75-14820	253.6-254.1	7869	2.9	2.2	93.5	1.4	7.6	5.3	.907	None	
SBR75-14821	254.1-256.0	7870	.2	2.1	97.2	.5	.6a	5.0		None	
SBR75-14822	256.0-257.9	7871	.4	1.6	97.5	.5	1.0a	3.8		None	
SBR75-14823	257.9-259.3	7872	.8	1.9	96.8	.5	2.2a	4.6		None	
SBR75-14824	259.3-260.4	7873	1.7	2.0	95.2	1.1	4.5a	4.7		None	
SBR75-14825	260.4-261.4	7874	.7	1.0	97.2	1.1	1.9a	2.4		None	
SBR75-14826	261.4-262.8	7875	3.1	3.2	92.1	1.6	8.3	7.7	.904	None	
SBR75-14827	262.8-264.1	7876	4.4	3.1	90.8	1.7	11.9	7.4	.899	None	
SBR75-14828	264.1-265.2	7877	3.1	3.1	92.7	1.1	8.2	7.4	.900	None	
SBR75-14829	265.2-266.2	7878	.1	3.8	95.4	.7	.3a	9.1		None	
SBR75-14830	266.2-267.3	7879	6.2	2.2	90.1	1.5	16.4	5.3	.908	None	Top Wilkins Peak
SBR75-14831	267.3-268.5	7880	7.8	2.1	87.9	2.2	20.6	5.0	.912	None	Member
SBR75-14832	268.5-269.5	7881	7.1	2.4	88.6	1.9	18.6	5.8	.910	None	
SBR75-14833	269.5-270.6	7882	5.5	1.6	91.7	1.2	14.5	3.8	.907	None	
SBR75-14834	270.6-272.0	7883	3.3	1.3	94.4	1.0	8.7	3.1	.918	None	
SBR75-14835	272.1-273.3	7884	1.1	.6	97.7	.6	2.9a	1.4		None	
SBR75-14836	273.3-274.7	7885	10.3	2.4	83.5	3.8	26.9	5.8	.917	None	
SBR75-14837	274.7-276.1	7886	10.7	2.4	83.3	3.6	28.1	5.8	.916	None	
SBR75-14838	276.1-277.3	7887	4.6	2.9	90.8	1.7	11.9	7.0	.915	None	
SBR75-14839	277.3-278.3	7888	1.8	2.1	95.3	.8	4.8a	5.0		None	

See footnote at end of table.

Core samples received July 22, 1974; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from the United States Bureau of Mines' Wyoming Corehole 10 (con.)

Surface elevation 6,617.3 feet

Sample number	Run	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	No.	Oil	Water	Spent shale	Gas + loss	Oil ^{1/}	Water		
SBR75-14840	278.3-279.5	7889	1.4	1.1	96.6	0.9	3.8a	2.6	None	
SBR75-14841	279.5-280.8	7890	2.6	.7	95.4	1.3	6.6	1.8	0.934	None
SBR75-14842	280.8-283.8	7891	.3	1.0	97.9	.8	.9a	2.4		None
SBR75-14843	283.8-285.5	7892	1.3	.9	96.9	.9	3.3a	2.2		None
SBR75-14844	285.5-287.0	7893	2.7	1.0	94.6	1.7	7.0	2.4	.929	None
SBR75-14845	287.0-288.4	7894	3.3	1.1	93.7	1.9	8.6	2.6	.921	None
SBR75-14846	288.4-289.8	7895	3.4	1.6	93.6	1.4	8.8	3.8	.922	None
SBR75-14847	289.8-291.4	7896	5.2	2.1	90.7	2.0	13.7	5.0	.903	None
SBR75-14848	291.4-292.9	7897	3.5	1.3	93.1	2.1	9.2	3.1	.910	None
SBR75-14849	292.9-294.4	7898	2.3	1.0	94.5	2.2	6.0	2.4	.928	None
SBR75-14850	294.4-295.8	7899	3.1	1.0	93.6	2.3	8.1	2.4	.919	None
SBR75-14851	295.8-297.0	7900	8.9	2.2	85.6	3.3	23.6	5.3	.908	None
SBR75-14852	297.0-298.2	7901	10.1	2.3	84.2	3.4	26.9	5.5	.903	None
SBR75-14853	298.2-299.4	7902	7.5	2.0	88.2	2.3	19.8	4.8	.905	None
SBR75-14854	299.4-301.0	7903	2.2	2.0	94.7	1.1	5.9	4.8	.917	None
SBR75-14855	301.0-302.3	7904	2.1	.6	95.5	1.8	5.5	1.4	.928	None
SBR75-14856	302.3-303.6	7905	2.8	.8	94.9	1.5	7.3	1.9	.926	None
SBR75-14857	303.6-304.7	7906	6.8	1.8	89.0	2.4	17.9	4.3	.915	None
SBR75-14858	304.7-305.8	7907	7.0	1.9	88.8	2.3	18.3	4.7	.915	None
SBR75-14859	305.8-306.5	7908	9.7	2.0	85.7	2.6	25.7	4.8	.908	None
SBR75-14860	306.5-307.3	7909	5.5	1.5	91.3	1.7	14.4	3.6	.921	None
SBR75-14861	307.3-308.5	7910	1.1	1.9	96.6	.4	2.9a	4.6		None
SBR75-14862	308.5-309.5	7911	4.4	1.6	92.8	1.2	11.5	3.8	.909	None
SBR75-14863	309.5-310.5	7912	6.5	1.4	90.6	1.5	17.2	3.4	.903	None
SBR75-14864	310.5-312.1	7913	6.0	1.1	91.1	1.8	16.0	2.6	.903	None
SBR75-14865	312.1-313.7	7914	2.5	1.0	95.5	1.0	6.5	2.4	.915	None
SBR75-14866	313.7-314.7	7915	5.2	.5	92.3	2.0	13.8	1.2	.915	None
SBR75-14867	314.7-315.8	7916	6.5	1.2	90.4	1.9	17.2	2.9	.910	None
SBR75-14868	315.8-317.0	7917	3.9	1.8	93.1	1.2	10.4	4.3	.904	None
SBR75-14869	317.0-318.0	7918	3.6	.7	94.3	1.4	9.4	1.7	.911	None

See footnotes at end of table.

Core samples received July 22, 1974; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from the United States Bureau of Mines' Wyoming Corehole 10 (con.)

Surface elevation 6,617.3 feet

Sample number	Run	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	No.	Oil	Water	Spent shale	Gas + loss	Oil ^{1/}	Water			
SBR75-14870	318.0-318.6	7919	15.2	1.7	79.0	4.1	40.1	4.1	0.910	None	
SBR75-14871	318.6-319.2	7920	7.9	1.0	88.6	2.5	21.1	2.4	.902	None	
SBR75-14872	319.2-319.6	7921	17.4	1.7	75.5	5.4	46.1	4.1	.906	None	
SBR75-14873	319.6-320.3	7922	7.9	1.6	87.5	3.0	20.9	3.8	.914	None	
SBR75-14874	320.6-321.2	7923	2.9	2.7	92.8	1.6	7.7	6.5	.911	None	
SBR75-14875	321.2-322.2	7924	3.7	.7	94.0	1.6	9.8	1.7	.909	None	
SBR75-14876	322.2-323.2	7925	7.7	1.3	88.5	2.5	20.3	3.1	.911	None	
SBR75-14877	323.2-324.3	7926	3.3	.6	95.2	.9	8.7	1.4	.911	None	
SBR75-14878	324.3-325.9	7927	1.2	.5	97.8	.5	3.2a	1.2		None	
SBR75-14879	325.9-326.9	7928	2.7	.3	96.2	.8	7.2	.7	.911	None	
SBR75-14880	326.9-327.9	7929	12.5	1.7	82.5	3.3	33.0	4.1	.912	None	
SBR75-14881	327.9-328.9	7930	10.9	1.4	84.9	2.8	29.1	3.4	.899	None	
SBR75-14882	328.9-329.7	7931	7.2	.8	90.2	1.8	19.3	1.9	.898	None	
SBR75-14883	329.7-330.5	7932	3.8	.5	94.5	1.2	10.3	1.2	.899	None	
SBR75-14884	330.5-331.6	7933	8.3	1.3	87.9	2.5	21.8	3.1	.908	None	
SBR75-14885	331.6-332.8	7934	10.8	1.4	84.7	3.1	28.6	3.4	.909	None	
SBR75-14886	332.8-333.5	7935	11.2	1.5	83.6	3.7	29.6	3.6	.907	None	
SBR75-14887	333.5-334.9	7936	7.6	1.1	89.0	2.3	20.0	2.6	.908	None	
SBR75-14888	334.9-336.7	7937	1.9	.9	96.3	.9	4.9a	2.2		None	
SBR75-14889	336.7-338.3	8448	11.2	1.1	85.2	2.5	29.9	2.6	.898	None	
SBR75-14890	338.3-339.4	8449	8.6	1.2	88.0	2.2	22.7	2.9	.911	None	
SBR75-14891	339.4-340.1	8450	2.9	.7	95.5	.9	7.7	1.7	.908	None	
SBR75-14892	340.1-341.1	8451	12.9	1.4	81.2	4.5	34.0	3.4	.908	None	
SBR75-14893	341.1-342.2	8452	11.7	1.1	81.9	5.3	31.0	2.6	.908	None	
SBR75-14894	342.2-344.0	8453	1.3	.8	96.8	1.1	3.4a	1.9		None	
SBR75-14895	344.0-345.4	7938	1.2	.3	97.9	.6	3.2a	.7		None	
SBR75-14896	345.4-346.0	7939	8.1	1.1	87.2	3.6	21.3	2.6	.914	None	
SBR75-14897	346.0-347.2	7940	16.0	1.1	75.9	7.0	42.0	2.6	.912	None	
SBR75-14898	347.2-348.7	7941	9.1	.8	86.7	3.4	23.9	1.9	.912	None	
SBR75-14899	348.7-349.9	7942	1.0	.6	97.6	.8	2.5a	1.4		None	

See footnote at end of table.

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OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from the United States Bureau of Mines' Wyoming Corehole 10 (con.)

Surface elevation 6,617.3 feet

Sample number	Run	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	No.	Oil	Water	Spent shale	Gas + loss	Oil ^{1/}	Water	coke	
SBR75-14900	349.9-350.9	7943	9.1	1.4	86.1	3.4	24.0	3.4	None	
SBR75-14901	350.9-352.2	7944	10.6	1.4	85.2	2.8	27.9	3.4	None	
SBR75-14902	352.2-353.5	7945	9.5	1.1	86.6	2.8	25.0	2.8	None	
SBR75-14903	353.5-354.7	7946	1.5	.3	97.2	1.0	3.9a	.7	None	
SBR75-14904	354.7-355.5	7947	8.3	.7	84.8	6.2	22.0	1.7	None	
SBR75-14905	355.5-356.8	7948	16.2	1.8	76.7	5.3	42.6	4.3	None	
SBR75-14906	356.8-358.0	7949	4.7	.8	92.9	1.6	12.3	2.0	None	0.1 missing
SBR75-14907	358.0-359.4	7950	8.0	.9	89.2	1.9	21.3	2.2	None	
SBR75-14908	359.4-360.6	7951	2.5	.6	95.9	1.0	6.6	1.4	None	
SBR75-14909	360.6-361.6	7952	5.4	1.5	91.3	1.8	14.0	3.6	None	
SBR75-14910	361.6-362.2	7953	.5	.9	98.1	.5	1.3a	2.0	None	Main tuff
SBR75-14911	362.2-363.0	7954	3.0	.6	94.1	2.3	7.8	1.4	None	
SBR75-14912	363.0-364.1	7955	1.6	.2	97.3	.9	4.1a	.6	None	
SBR75-14913	364.1-365.3	7956	4.1	1.0	93.4	1.5	10.8	2.4	None	
SBR75-14914	365.3-366.0	7957	6.1	.7	91.0	2.2	16.3	1.7	None	
SBR75-14915	366.0-367.0	7958	4.5	1.2	92.4	1.9	12.0	2.9	None	
SBR75-14916	367.0-368.0	7959	3.2	1.0	93.4	2.4	8.5	2.4	None	
SBR75-14917	368.0-369.0	7960	2.9	1.0	94.6	1.5	7.7	2.4	None	
SBR75-14918	369.0-370.0	7961	2.8	.7	95.0	1.5	7.2	1.7	None	
SBR75-14919	370.0-371.0	7962	2.6	.9	95.4	1.1	6.9	2.2	None	
SBR75-14920	371.0-372.0	7963	2.5	.8	95.5	1.2	6.5	1.9	None	
SBR75-14921	372.0-373.0	7964	2.5	.8	95.5	1.2	6.5	1.9	None	
SBR75-14922	373.0-374.0	7965	3.4	.8	93.8	2.0	8.9	1.9	None	
SBR75-14923	374.0-375.4	7966	8.6	1.1	87.9	2.4	23.0	2.6	None	
SBR75-14924	375.4-376.4	7967	6.7	1.6	89.2	2.5	17.9	3.8	None	
SBR75-14925	376.4-377.6	7968	6.6	1.5	89.5	2.4	17.3	3.6	None	
SBR75-14926	377.6-378.8	7969	2.8	1.2	94.8	1.2	7.3	2.9	None	
SBR75-14927	378.8-380.0	7970	2.4	1.1	95.4	1.1	6.2	2.6	None	
SBR75-14928	380.0-381.5	7971	3.9	1.2	93.8	1.1	10.2	2.9	None	
SBR75-14929	381.5-382.5	7972	7.3	1.5	88.5	2.7	19.6	3.6	None	

See footnote at end of table.

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		Weight percent				Gal per ton					
		Laramie	Their	Oil	Water	Spent shale	Gas + loss	Oil ^{1/}			
SBR75-14930	7973	382.5-283.5	4.6	1.2	92.3	1.9	12.1	2.9	0.904	None	
SBR75-14931	7974	383.5-384.6	.7	.3	98.5	.5	1.7a	.7		None	
SBR75-14932	7975	384.6-385.7	3.4	1.3	93.4	1.9	9.0	3.1	.911	None	
SBR75-14933	7976	385.7-386.9	4.2	1.1	92.4	2.3	11.2	2.6	.903	None	
SBR75-14934	7977	386.9-388.0	1.5	1.0	96.1	1.4	3.9a	2.4		None	
SBR75-14935	7978	388.0-389.0	1.0	.6	97.3	1.1	2.7a	1.4		None	
SBR75-14936	7979	389.0-390.0	1.5	.8	96.4	1.3	4.0a	1.9		None	
SBR75-14937	7980	390.0-391.1	1.7	.7	96.6	1.0	4.4a	1.7		None	
SBR75-14938	7981	391.1-392.2	3.4	.9	94.7	1.0	9.1	2.2	.903	None	
SBR75-14939	7982	392.2-393.7	9.7	1.5	86.0	2.8	25.8	3.6	.903	None	
SBR75-14940	7983	393.7-394.7	15.2	1.9	79.4	3.5	40.4	4.6	.899	None	
SBR75-14941	7984	394.7-395.7	12.2	1.5	82.5	3.8	32.4	3.6	.903	None	
SBR75-14942	7985	395.7-396.7	7.1	1.5	89.2	2.2	19.0	3.6	.902	None	
SBR75-14943	7986	396.7-398.0	1.5	.9	96.4	1.2	4.0a	2.2		None	
SBR75-14944	7987	398.0-399.2	.9	.9	97.0	1.2	2.5a	2.2		None	
SBR75-14945	7988	399.2-400.1	9.5	1.4	85.5	3.6	25.0	3.4	.911	None	
SBR75-14946	7989	400.1-401.1	9.2	1.3	85.0	4.5	24.2	3.1	.911	None	
SBR75-14947	8087	401.1-402.5	2.0	1.1	95.3	1.6	5.4	2.6	.910	None	
SBR75-14948	7991	402.5-403.9	1.2	.7	97.2	.9	3.2a	1.7		None	
SBR75-14949	7992	403.9-404.5	11.3	.9	85.0	2.8	30.1	2.2	.903	None	
SBR75-14950	8086	404.5-405.6	13.9	1.6	80.0	4.5	36.8	3.8	.907	None	
SBR75-14951	7994	405.6-406.6	6.4	1.2	91.2	1.2	17.0	2.9	.908	None	
SBR75-14952	7995	406.6-407.8	1.4	.7	96.7	1.2	3.6a	1.7		None	
SBR75-14953	7996	407.8-409.2	.8	.9	97.4	.9	2.0a	2.2		None	
SBR75-14954	7997	409.2-410.2	9.2	1.4	86.5	2.9	24.4	3.2	.905	None	
SBR75-14955	7998	410.2-411.2	12.5	1.8	82.4	3.3	33.2	4.3	.904	None	
SBR75-14956	7999	411.2-412.2	14.1	2.1	79.5	4.3	37.1	5.0	.909	None	
SBR75-14957	8000	412.2-413.2	3.6	1.3	93.4	1.7	9.6	3.1	.910	None	
SBR75-14958	8001	413.2-414.2	1.8	1.3	95.9	1.0	4.7a	3.1		None	
SBR75-14959	8002	414.2-415.2	1.8	1.2	96.0	1.0	4.8a	2.9		None	

See footnote at end of table.

Core samples received July 22, 1974; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from the United States Bureau of Mines' Wyoming Corehole 10 (con.)

Surface elevation 6,617.3

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 ^{1/}	Water			
SBR75-14960	415.2-416.2	8003	1.6	0.5	96.7	1.2	4.2a	1.2		None	
SBR75-14961	416.2-417.2	8004	12.1	1.9	82.5	3.5	32.0	4.6	0.906	None	
SBR75-14962	417.2-418.3	8005	13.9	1.6	80.3	4.2	37.0	3.8	.903	None	
SBR75-14963	418.3-419.8	8006	5.8	1.9	90.2	2.1	15.4	4.6	.907	None	
SBR75-14964	419.8-420.8	8007	2.2	1.5	95.0	1.3	5.8	3.6	.905	None	
SBR75-14965	420.8-421.9	8008	1.4	.8	96.9	.9	3.6a	1.9		None	
SBR75-14966	421.9-422.9	8009	2.0	.3	96.8	.9	5.2a	.7		None	
SBR75-14967	422.9-424.0	8010	13.7	1.4	82.1	2.8	36.1	3.4	.911	None	
SBR75-14968	424.0-425.3	8011	.5	1.3	97.7	.5	1.3a	3.1		None	
SBR75-14969	425.3-426.5	8012	.6	1.1	97.9	.4	1.6a	2.6		None	
SBR75-14970	426.5-427.5	8013	.4	1.1	98.0	.5	1.1a	2.6		None	
SBR75-14971	427.5-428.5	8014	1.5	.6	97.2	.7	3.9a	1.4		None	
SBR75-14972	428.5-429.2	8015	11.6	1.3	84.6	2.5	30.6	3.1	.911	None	
SBR75-14973	429.2-431.0	8016	1.5	1.1	96.7	.7	3.8a	2.6		None	
SBR75-14974	431.0-431.8	8017	10.6	1.4	85.8	2.2	28.4	3.4	.895	None	
SBR75-14975	431.8-433.2	8018	1.8	1.7	95.6	.9	4.8a	4.1		None	
SBR75-14976	433.2-434.2	8019	.7	1.1	96.1	2.1	1.8a	2.6		None	
SBR75-14977	434.2-435.2	8020	2.3	1.8	94.8	1.1	6.1	4.3	.913	None	
SBR75-14978	435.2-436.2	8021	1.9	1.7	95.3	1.1	5.1a	4.1		None	
SBR75-14979	436.2-437.2	8022	1.2	.9	97.3	.6	3.1a	2.2		None	
SBR75-14980	437.2-438.7	8023	4.2	1.3	93.2	1.3	11.0	3.1	.924	None	
SBR75-14981	438.7-439.8	8024	.8	1.3	97.0	.9	2.1a	3.1		None	
SBR75-14982	439.8-440.8	8025	1.6	1.5	96.2	.7	4.1a	3.6		None	
SBR75-14983	440.8-441.8	8026	1.0	1.4	96.8	.8	2.5a	3.4		None	
SBR75-14984	441.8-442.8	8027	.7	.7	98.1	.5	1.9a	1.7		None	
SBR75-14985	442.8-444.0	8028	.6	1.9	96.7	.8	1.7a	4.6		None	
SBR75-14986	444.0-445.1	8029	.3	3.2	95.8	.7	.8a	7.7		None	
SBR75-14987	445.1-446.1	8030	2.3	.8	96.2	.7	6.0	1.9	.921	None	
SBR75-14988	446.1-447.1	8031	2.3	1.9	94.5	1.3	6.1	4.6	.916	None	
SBR75-14989	447.1-448.4	8032	1.4	1.2	96.6	.8	3.5a	2.9		None	

See footnote at end of table.

Core samples received July 22, 1974; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from the United States Bureau of Mines' Wyoming Corehole 10 (con.)

Surface elevation 6,617.3 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 ^{1/}	Water
SBR75-14990	448.4-449.7	8033	1.3	1.3	96.8	0.6	3.4a	3.1		None
SBR75-14991	449.8-451.2	8034	1.4	1.4	96.2	1.0	3.7a	3.4		None
SBR75-14992	451.2-451.9	8035	5.4	1.6	90.9	2.1	14.3	3.8	0.911	None
SBR75-14993	451.9-452.8	8040	1.9	1.7	95.4	1.0	5.0a	4.1		None
SBR75-14994	452.8-453.3	8041	2.1	2.3	94.7	.9	5.5	5.5	.915	None
SBR75-14995	453.3-454.0	8042	1.7	.8	96.4	1.1	4.5a	1.9		None
SBR75-14996	454.0-454.5	8043	6.4	.8	91.0	1.8	16.9	1.9	.912	None
SBR75-14997	454.5-456.0	8044	1.9	1.2	96.0	.9	5.0a	2.9		None
SBR75-14998	456.0-457.5	8045	1.2	1.5	96.6	.7	3.1a	3.6		None
SBR75-14999	457.5-458.2	8046	.2	4.3	94.5	1.0	.6a	10.3		None
SBR75-15000	458.2-459.9	8047	.0	2.2	97.4	.4	No Oil	5.3		None
SBR75-15001	459.9-461.8	8048	2.9	1.4	94.3	1.4	7.8	3.4	.909	None
SBR75-15002	461.8-463.1	8049	2.7	1.8	94.4	1.1	7.2	4.3	.908	None
SBR75-15003	463.1-464.1	8050	3.1	1.3	94.3	1.3	8.2	3.1	.910	None
SBR75-15004	464.1-465.1	8051	2.0	1.3	95.4	1.3	5.3	3.1	.913	None
SBR75-15005	465.1-466.3	8052	2.1	1.5	95.5	.9	5.5	3.6	.913	None
SBR75-15006	466.3-467.4	8053	1.4	.8	96.8	1.0	3.5a	1.9		None
SBR75-15007	467.4-468.0	8054	7.6	1.3	89.2	1.9	19.8	3.1	.916	None
SBR75-15008	468.0-468.9	8055	3.0	.9	95.1	1.0	7.7	2.2	.922	None
SBR75-15009	468.9-470.0	8056	.0	1.7	97.9	.4	No Oil	4.0		None
SBR75-15010	470.0-471.1	8057	.0	1.5	98.1	.4	No Oil	3.6		None
SBR75-15011	471.1-472.4	8058	.4	1.4	97.9	.3	.9a	3.4		None
SBR75-15012	472.4-473.6	8059	.0	1.3	98.5	.2	Trace	3.2		None
SBR75-15013	473.6-474.8	8060	.0	1.3	98.5	.2	Trace	3.2		None
SBR75-15014	474.8-475.7	8061	13.3	1.9	81.9	2.9	34.8	4.6	.919	None
SBR75-15015	475.7-476.7	8062	.9	1.2	96.4	1.5	2.4a	2.9		None
SBR75-15016	476.7-477.7	8063	.5	.7	98.0	.8	1.4a	1.7		None
SBR75-15017	477.7-479.0	8064	.2	1.2	98.2	.4	.6a	2.9		None
SBR75-15018	479.0-480.5	8065	.0	.9	99.1	.0	No Oil	2.3		None
SBR75-15019	480.5-482.0	8066	.0	.9	98.7	.4	No Oil	2.2		None

See footnote at end of table.

Core samples received July 22, 1974; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from the United States Bureau of Mines' Wyoming Corehole 10 (con.)

Surface elevation 6,617.3 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	Water	
SBR75-15020	490.0-492.0	8067	0.0	0.7	99.0	0.3	No Oil	1.6	None
SBR75-15021	492.0-494.0	8068	.0	.9	99.1	.0	No Oil	2.2	None
SBR75-15022	494.0-496.0	8069	.0	.8	98.7	.5	No Oil	2.0	None
SBR75-15023	496.0-497.0	8070	.0	1.4	98.1	.5	No Oil	3.3	None
SBR75-15024	497.0-498.0	8071	.0	1.7	97.5	.8	No Oil	4.2	None
SBR75-15025	498.0-499.0	8072	.0	1.2	98.4	.4	No Oil	3.0	None
SBR75-15026	499.0-500.0	8073	.0	1.2	98.4	.4	No Oil	2.8	None
SBR75-15027	500.0-501.6	8074	.0	1.8	97.8	.4	No Oil	4.3	None
SBR75-15028	501.6-503.0	8075	.0	.7	98.4	.9	No Oil	1.7	None
	503.0-540.4		Barren Rock Not Sampled						

1/ "a"--indicates specific gravity estimated as 0.92.

Core samples received July 22, 1974; assays made on air-dried samples