

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Davis Oil Company's Lansdale Federal No. 1 well drilled in NW1/4SE1/4 (1980 feet N/S 1350 feet W/E) of sec 10, T 17 N, R 99 W, Sweetwater County, Wyoming

Surface elevation 7,210 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
SBR70-7536	0- 10	53221	2.3	6.0	90.2	1.5	5.9a	14.4	None	
SBR70-7537	10- 20	53222	2.1	6.4	90.0	1.5	5.6	15.2	0.906	None
SBR70-7538	20- 30	53223	.9	5.2	92.3	1.6	2.3a	12.5		None
SBR70-7539	30- 40	53224	1.4	6.5	91.0	1.1	3.6a	15.6		None
SBR70-7540	40- 50	53225	1.4	5.3	91.7	1.6	3.6a	12.7		None
SBR70-7541	50- 60	53226	1.8	5.4	91.5	1.3	4.7a	12.9		None
SBR70-7542	60- 70	53227	1.6	5.4	91.9	1.1	4.2a	12.9		None
SBR70-7543	70- 80	53228	.7	2.7	95.0	1.6	1.7a	6.5		None
SBR70-7544	80- 90	53229	1.3	3.6	94.0	1.1	3.5a	8.6		None
SBR70-7545	90-100	53230	.8	3.8	94.4	1.0	2.1a	9.0		None
SBR70-7546	100-110	53231	1.1	3.4	94.5	1.0	2.8a	8.1		None
SBR70-7547	110-120	53232	.2	1.7	97.8	.3	.6a	4.1		None
SBR70-7548-49	120-140						b			
SBR70-7550	140-150						Trace			
SBR70-7551-52	150-170						No Oil			
SBR70-7553	170-180						Trace			
SBR70-7554-55	180-200						b			
SBR70-7556-66	200-310						No Oil			
SBR70-7567-74	310-390						Trace			
SBR70-7575	390-400	53233	3.6	3.5	90.7	2.2	9.6	8.4	.912	None
SBR70-7576	400-410	53234	3.6	3.8	89.7	2.9	9.3	9.2	.924	None
SBR70-7577	410-420	53235	6.8	3.0	87.1	3.1	17.6	7.3	.926	None
SBR70-7578	420-430	53236	4.4	3.6	89.6	2.4	11.5	8.6	.912	None
SBR70-7579	430-440	53237	4.9	3.1	89.7	2.3	12.8	7.3	.922	None
SBR70-7580	440-450	53238	3.8	3.4	90.7	2.1	10.0	8.1	.918	None
SBR70-7581	450-460	53239	2.2	3.7	92.3	1.8	5.8	8.7	.919	None
SBR70-7582	460-470	53240	2.8	2.6	92.0	2.6	7.4	6.2	.918	None
SBR70-7583	470-480	53241	2.6	3.7	91.4	2.3	6.8	8.9	.919	None
SBR70-7584	480-490	53242	1.0	6.1	89.8	3.1	2.6a	14.6		None
SBR70-7585	490-500	53243	.4	2.6	95.3	1.7	1.0a	6.1		None

See footnote at end of table.

Drill cutting samples received August 19, 1969; Assays made on air-dried samples

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Samples from Davis Oil Company's Lansdale Federal No. 1 well (con.)

Surface elevation 7,210 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	
SBR70-7586	500-510	53244	0.4	1.7	96.4	1.5	1.1a	4.1	None	
SBR70-7587	510-520	53245	.3	1.6	96.9	1.2	.7a	4.0	None	
SBR70-7588	520-530	53246	.6	1.7	96.7	1.0	1.5a	4.2	None	
SBR70-7589	530-540	53247	.6	1.9	96.2	1.3	1.6a	4.6	None	
SBR70-7590	540-550	53248	1.0	1.8	95.9	1.3	2.5a	4.3	None	
SBR70-7591	550-560	53249	.5	2.2	96.0	1.3	1.3a	5.3	None	
SBR70-7592	560-570	53250	.8	2.0	96.0	1.2	2.2a	4.8	None	
SBR70-7593	570-580	53251	.7	2.7	95.6	1.0	1.7a	6.5	None	
SBR70-7594	580-590	53252	.6	2.0	96.0	1.4	1.5a	4.9	None	
SBR70-7595	590-600	53253	.4	2.2	96.3	1.1	1.2a	5.2	None	
SBR70-7596	600-610	53254	.5	1.5	96.9	1.1	1.4a	3.6	None	
SBR70-7597	610-620	53255	1.1	4.6	92.6	1.7	2.8a	11.0	None	
SBR70-7598	620-630	53256	1.2	2.9	94.3	1.6	3.2a	6.8	None	
SBR70-7599	630-640	53257	1.5	2.9	94.3	1.3	4.0a	6.9	None	
SBR70-7600	640-650	53258	1.4	2.9	94.1	1.6	3.6a	7.0	None	
SBR70-7601	650-660	53259	.8	2.8	93.6	2.8	2.0a	6.8	None	
SBR70-7602	660-670	53260	.6	2.5	95.6	1.3	1.5a	6.0	None	
SBR70-7603	670-680	53261	.4	1.2	96.7	1.7	1.0a	2.9	None	
SBR70-7604	680-690	53262	1.2	2.1	95.0	1.7	3.0a	5.1	None	
SBR70-7605	690-700	53263	.9	2.7	94.5	1.9	2.3a	6.4	None	
SBR70-7606	700-710	53264	1.0	3.0	92.7	3.3	2.6a	7.2	None	
SBR70-7607	710-720	53265	.7	2.7	95.5	1.1	1.9a	6.5	None	
SBR70-7608	720-730	53266	.6	2.7	95.6	1.1	1.4a	6.5	None	
SBR70-7609	730-740	53267	.8	2.7	95.2	1.3	2.1a	6.5	None	
SBR70-7610	740-750	53268	.7	2.4	95.9	1.0	1.9a	5.8	None	
SBR70-7611	750-760	53269	.2	1.7	96.8	1.3	.6a	4.0	None	
SBR70-7612	760-770	53270	.9	2.6	95.1	1.4	2.4a	6.2	None	
SBR70-7613	770-780	53271	1.0	2.5	94.9	1.6	2.7a	6.0	None	
SBR70-7614	780-790	53272	.7	2.4	95.7	1.2	1.8a	5.8	None	
SBR70-7615	790-800	53273	.7	2.6	95.3	1.4	1.8a	6.2	None	

See footnote at end of table.

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Laramie	Their		Oil	Water	Spent shale	Gas + loss	Oil <sup>1/</sup>	Water	coke	
SBR70-7616	800- 810	53274	1.3	7.2	89.1	2.4	3.3a	17.3	None	
SBR70-7617	810- 820	53275	.8	6.7	88.3	4.2	2.1a	15.9	None	
SBR70-7618	820- 830	53276	.5	7.0	88.6	3.9	1.4a	16.8	None	
SBR70-7619	830- 840	53277	.3	3.6	93.5	2.6	.9a	8.6	None	
SBR70-7620	840- 850	53278	.3	3.3	94.8	1.6	.8a	7.8	None	
SBR70-7621	850- 860	53279	7.4	8.2	74.4	10.0	17.8	19.6	1.000	None
SBR70-7622	860- 870	53280	6.4	8.1	74.3	11.2	15.5	19.5	.998	None
SBR70-7623	870- 880	53281	7.2	7.8	73.6	11.4	17.4	18.7	1.005	None
SBR70-7624	880- 890	53282	3.1	6.5	84.7	5.7	8.1a	15.7	None	
SBR70-7625	890- 900	53283	1.0	3.0	94.7	1.3	2.6a	7.2	None	
SBR70-7626	900- 910	53284	.7	1.2	96.8	1.3	1.8a	2.9	None	
SBR70-7627	910- 920	53285	.4	1.7	96.8	1.1	1.0a	4.1	None	
SBR70-7628	920- 930	53286	.4	2.3	96.4	.9	1.1a	5.5	None	
SBR70-7629	930- 940	53287	.5	2.2	96.3	1.0	1.2a	5.4	None	
SBR70-7630	940- 950	53288	.2	1.5	97.0	1.3	.4a	3.6	None	
SBR70-7631	950- 960	53289	.4	1.9	96.9	.8	1.1a	4.4	None	
SBR70-7632-35	960-1000						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.

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