

OIL-SHALE ASSAYS BY MODIFIED () SCHER RETORT METHOD

4-16

Samples from Geological Survey's core hole No. 16, located in SW 1/4 of Sec. 28, T. 12 S., R. 18 E.,
U. S. Naval Oil-Shale Reserve No. 2, Uintah County, Utah

(67.)

Starting elevation (approximate) 5,920 feet.

Sample number		Run No.	Yield of product				Gal. per ton		Specific gravity of oil at 60°/60° F.	Properties of spent shale Tendency to coke	Remarks
			Weight percent		Spent shale	Gas + loss					
Laramie	Their		Oil	Water					Oil	Water	
SER55-585	23.9-24.4 .5	36208	0.3	1.1	98.3	0.3	6.7a .4	2.6		None	
SER55-586	24.4-25.6 .1	36209	2.0	2.0	95.7	.3	5.0a .6	4.8		None	
SER55-587	25.6-27.4 .8	36210	.6	1.4	97.7	.3	1.5a .7	3.4		None	
SER55-588	27.4-28.3 .9	36211	1.2	3.0	94.3	.9	4.5a .7	7.2		None	
SER55-589	28.3-29.5 .1	36212	8.1	2.0	88.1	1.8	21.2 .2	4.8	0.910	None	
SER55-590	29.5-33.1 .3	36213	2.2	1.4	95.4	1.0	5.8 .2	3.4	.913	None	
SER55-591	33.1-35.9 .2	36214	2.6	2.0	94.9	.5	6.7 .8	4.8	.913	None	
SER55-592	35.9-36.8 .9	36215	7.8	1.4	89.6	1.2	20.2 .8	3.5	.921	None	
SER55-593	36.8-37.7 .9	36216	6.4	.8	91.7	1.1	16.6 .4	2.0	.919	None	
SER55-594	37.7-39.5 .1	36217	8.5	1.5	88.8	1.2	22.6 .4	3.6	.904	None	
SER55-595	39.5-40.8 .1	36218	4.7	.9	93.8	.6	12.5 .6	2.2	.904	None	
SER55-596	40.8-47.5 .7	36219	1.0	1.3	97.6	.1	2.5a .4	3.2		None	
SER55-597	47.5-49.3 .1	36220	1.4	1.3	97.2	.1	3.5a .4	3.1		None	
SER55-598	49.3-52.6 .3	36221	1.9	1.1	96.8	.2	4.7a .5	2.8		None	
SER55-599	52.6-54.5 .1	36222	.5	.6	98.5	.4	1.3a .2	1.4	31.0' missing.	None	
SER55-600	85.5-89.0 .3	36223	.6	1.2	98.0	.2	1.5a .2	2.9		None	
SER55-601	89.0-92.8 .3	36224	1.5	1.3	96.8	.4	3.8a .5	3.1		None	
SER55-602	92.8-95.0 .2	36225	.5	1.3	97.9	.3	1.2a .2	3.1		None	
SER55-603	95.0-100.2 .2	36226	2.1	.8	96.5	.6	5.5	2.0	5.2 x 55 = 28.6	904	None
SER55-604	100.2-102.4 .2	36227	9.0	.5	89.0	1.5	23.4 .5	1.1	.922	None	
SER55-605	102.4-103.3 .9	36228	3.5	.7	95.3	.5	9.3 .4	1.7	.906	None	
SER55-606	103.3-105.3 .0	36229	11.3	.9	85.5	2.3	29.7 .4	2.0	.914	None	
SER55-607	105.3-108.5 .2	36230	5.0	.8	93.5	.7	13.0 .4	1.9	.914	None	
SER55-608	108.5-110.7 .2	36231	3.2	1.0	95.2	.6	8.4 .2	1.4	.907	None	
SER55-609	110.7-113.1 .2	36232	11.7	1.4	85.5	1.4	30.6 .2	3.4	.919	None	
SER55-610	113.1-115.4 .3	36233	8.5	1.0	89.1	1.4	22.4 .2	2.3	.914	None	
SER55-611	115.4-116.1 .7	36234	14.5	1.2	82.1	2.2	38.4 .2	2.8	.904	None	
SER55-612	116.1-117.1 .0	36235	15.3	1.1	81.2	2.4	40.4 .2	2.6	.907	None	
SER55-613	117.1-117.8 .7	36236	23.9	1.1	71.0	4.0	63.2 .2	2.8	.904	None	
SER55-614	117.8-118.4 .6	36237	21.3	1.4	73.5	3.8	56.2 .3	3.2	.910	None	

a - Estimated

Core samples received January 13, 1955; assays made on air-dried samples.

Petroleum and Oil-Shale Experiment Station, Laramie, Wyoming, Illustration No. SBR-1495P February 14, 1955

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			Weight percent		Gal. per ton						
Sample number	Run	No.	Oil	Water	Spent shale	Gas + loss	Oil	Water			
Laramie	Thier										
SBR55-615	118.4-119.6	36238	7.0	0.5	91.4	1.1	18.4	1.3	0.905	None	
SBR55-616	119.6-120.3	36239	19.4	1.5	75.5	3.6	51.1	3.6	.911	None	
SBR55-617	120.6-120.8	36240	17.6	.8	78.5	3.0	45.9	1.9	.920	None	
SBR55-618	120.9-122.6	36241	2.1	1.1	96.2	.6	5.2	2.6	.912	None	
SBR55-619	122.6-122.9	36242	7.4	.8	89.8	2.0	19.2	1.8	.921	None	

a - Estimated

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