

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Sun Oil Company's No. 1 Jenkins-Government-B well drilled in SW1/4SE1/4 (660 feet N/S 1962 feet W/E) of sec 12, T 14 N, R 97 W, Sweetwater County, Wyoming

Kelly Bushing elevation 7012 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		
SBR68-31-52	1500-2160					No Oil		None	
SBR68-53	2160-2190					b			
SBR68-54	2190-2220					No Oil			
SBR68-55	2220-2250					Trace			
SBR68-56	2250-2280					No Oil			
SBR68-57-59	2310-2400					No Oil			
SBR68-60-62	2400-2490					Trace			
SBR68-63	2490-2520					No Oil			
SBR68-64-65	2690-2750					b			
SBR68-66-67	2750-2810					Trace			
SBR68-68	2810-2840					b			
SBR68-69	2840-2870	27712	1.0	2.1	95.3	1.6	2.5a	5.2	None
SBR68-70	2870-2900	27713	1.2	1.7	96.2	.9	3.1a	4.1	None
SBR68-71	2900-2930	27714	3.6	1.7	92.6	2.1	9.4	4.1	0.904
SBR68-72	2930-2960	27715	3.3	1.3	94.2	1.2	8.7	3.1	.897
SBR68-73	2990-3020	27716	3.6	1.7	93.2	1.5	9.5	4.1	.910
SBR68-74	3060-3090	27717	3.2	1.5	93.3	2.0	8.3	3.7	.917
SBR68-75	3120-3150	27718	3.6	1.8	93.0	1.6	9.3	4.3	.912
SBR68-76	3150-3180	27719	3.0	1.2	93.0	2.8	7.7	2.9	.915
SBR68-77	3180-3210	27720	5.3	2.0	90.2	2.5	13.9	4.8	.914
SBR68-78	3210-3230	27721	2.2	1.6	94.4	1.8	5.9	3.8	.907
SBR68-79	3230-3260	27722	1.4	1.2	96.1	1.3	3.5a	2.9	None
SBR68-80	3260-3290	27723	1.5	1.6	95.3	1.6	3.8a	4.0	None
SBR68-81	3290-3300	27724	5.0	2.1	91.3	1.6	13.0	4.9	.923
SBR68-82	3300-3330	27725	4.3	1.9	91.5	2.3	11.3	4.6	.921
SBR68-83	3330-3360	27726	5.1	1.8	90.9	2.2	13.3	4.3	.920
SBR68-84	3360-3390	27727	4.1	2.0	92.1	1.8	10.7	4.8	.915
SBR68-85	3390-3420	27730	4.0	1.5	92.4	2.1	10.6	3.6	.912
SBR68-86	3420-3450	27731	3.4	1.7	93.3	1.6	8.8	4.2	.911
SBR68-87	3450-3480	27732	2.9	1.4	94.0	1.7	7.7	3.2	.917

See footnotes at end of table.

Drill cutting and strat cuts received September 15, 1967; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Sun Oil Company's No. 1 Jenkins-Government-B (con.)

Kelly Bushing elevation 7012 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	
SBR68-88	3480-3510	27733	2.9	1.4	93.9	1.8	7.5	3.4	None	
SBR68-89	3510-3540	27734	1.4	1.2	95.7	1.7	3.6a	2.9	None	
SBR68-90	3540-3570	27735	2.0	1.3	95.3	1.4	5.2a	3.1	None	
SBR68-91	3570-3600	27736	1.5	1.9	95.4	1.2	3.8a	4.6	None	
SBR68-92	3600-3630	27737	1.8	1.6	95.2	1.4	4.6a	3.8	None	
SBR68-93	3630-3660	27738	1.2	2.2	95.5	1.1	3.2a	5.3	None	
SBR68-94	3660-3690	27739	1.7	2.2	94.4	1.7	4.4a	5.3	None	
SBR68-95	3690-3720	27740	1.7	1.4	95.3	1.6	4.4a	3.4	None	
SBR68-96	3720-3750	27741	2.1	1.7	95.1	1.1	5.7	4.0	.899	None
SBR68-97	3750-3780	27742	2.6	1.9	94.0	1.5	6.9	4.6	.902	None
SBR68-98	3780-3810	27743	1.0	2.5	95.4	1.1	2.6a	6.0	None	
SBR68-99	3810-3840	27744	1.8	1.5	95.1	1.6	4.6a	3.7	None	
SBR68-100	3840-3870	27745	1.2	2.2	95.3	1.3	3.0a	5.4	None	
SBR68-101-02	3880-3940						c			
SBR68-103-04	3940-4000						b			
SBR68-105-08	4000-4120						Trace			
SBR68-109	4120-4150						No Oil			
SBR68-110	4150-4180	27746	.5	2.9	95.7	.9	1.3a	7.0	None	
SBR68-111-14	4180-4300						b			
SBR68-115	4300-4330	27747	.5	2.4	96.2	.9	1.4a	5.6	None	
SBR68-116	4330-4360						Trace			
SBR68-117	4360-4390	27748	.3	2.8	96.1	.8	.8a	6.7	None	
SBR68-118	4390-4410	27749	.5	2.6	96.5	.4	1.3a	6.2	None	
SBR68-119	4410-4440	27750	.4	2.7	96.2	.7	1.1a	6.4	None	
SBR68-120	4440-4470	27751	.5	2.7	96.1	.7	1.2a	6.5	None	
SBR68-121	4470-4500	27752	.6	2.8	95.7	.9	1.5a	6.7	None	
SBR68-122	4500-4530						b			
SBR68-123-32	4530-4820						No Oil			
SBR68-133	4830-4860						Trace			
SBR68-134-46	4860-5240						No Oil			

See footnotes at end of table.

Drill cutting and strat cuts received September 15, 1967; assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-4101P, Sheet No. 2 of 3 sheets January 24, 1968

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Sun Oil Company's No. 1 Jenkins-Government-B (con.)

Kelly Bushing elevation 7012 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 ^{1/}	Water	
SBR68-147	5240-5270	27753	1.7	2.5	94.1	1.7	4.4a	6.1	None
SBR68-148	5270-5300	27759	1.5	2.3	95.2	1.0	3.9a	5.4	None
SBR68-149	5300-5330	27760	1.4	2.3	94.8	1.5	3.8a	5.5	None
SBR68-150	5330-5360	27761	1.5	2.6	94.9	1.0	4.0a	6.2	None
SBR68-151	5360-5390	27762	1.2	2.8	95.1	.9	3.0a	6.7	None
SBR68-152	5390-5420	27763	1.4	2.4	95.2	1.0	3.7a	5.6	None
SBR68-153-58	5420-5600						No Oil		
SBR68-159-60	5600-5660						Trace		
SBR68-161	5660-5690						b		
SBR68-162	5690-5720						No Oil		
SBR68-163	5720-5750						Trace		
SBR68-164	5750-5780						b		
SBR68-165	5780-5810	27764	.1	1.7	97.7	.5	.3a	4.1	None
SBR68-166	5840-5870						b		
SBR68-167-69	5930-6020						b		
SBR68-170-74	6020-6160						No Oil		
SBR68-175-76	6160-6220						Trace		
SBR68-177	6220-6250						No Oil		
SBR68-178-79	6280-6340						No Oil		
SBR68-180	6370-6400						No Oil		

^{1/} "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 cutting and strat cuts received September 15, 1967; assays made on air-dried samples

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