

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Mountain Fuel Supply Company's Meadow Springs Draw No. 1
well drilled in SW1/4SW1/4 (660 feet N/S 460 feet E/W) of sec 22,
T 13 N, R 111 W, Sweetwater County, Wyoming

Surface elevation 7,194 feet

Sample number		Run No.	Yield of product				Specific gravity of oil at 60°/60° F	Properties of spent shale		Remarks
			Weight percent		Gas + loss	Gal per ton		Tendency to coke		
Laramie	Their		Oil	Water		Spent shale		Oil ¹ / Water		
SBR68-4074	0- 30						No Oil			
SBR68-4075	30- 60						b			
SBR68-4076	60- 90						No Oil			
SBR68-4077-78	120- 180						No Oil			
SBR68-4079	180- 210						c			
SBR68-4080-81	210- 270						b			
SBR68-4082	270- 300						No Oil			
SBR68-4083	300- 330						Trace			
SBR68-4084-85	330- 390						No Oil			
SBR68-4086	390- 420	30892	1.9	7.0	83.5	7.6	4.9a	16.8		None
SBR68-4087-88	420- 480						No Oil			
SBR68-4089	480- 510						Trace			
SBR68-4090-91	510- 570						No Oil			
SBR68-4092	570- 600						Trace			
SBR68-4093	600- 630						c			
SBR68-4094-95	630- 690						No Oil			
SBR68-4096	720- 750						Trace			
SBR68-4097-99	750- 840						No Oil			
SBR68-4100	840- 870						c			
SBR68-4101	870- 900						Trace			
SBR68-4102	900- 930						No Oil			
SBR68-4103	930- 960						c			
SBR68-4104	960- 990						No Oil			
SBR68-4105	990-1020						b			
SBR68-4106-07	1020-1080						No Oil			
SBR68-4108	1080-1110	30893	.2	2.7	96.0	1.1	.6a	6.5		None
SBR68-4109	1360-1390	30894	1.6	2.8	93.5	2.1	4.0a	6.7		None
SBR68-4110	1390-1420	30895	1.5	3.2	94.1	1.5	4.0a	7.7		None
SBR68-4111	1420-1450	30896	2.5	3.5	92.4	1.6	6.5	8.4	0.919	None
SBR68-4112	1450-1480	30897	2.3	3.3	92.6	1.8	6.0	7.8	.920	None

See footnote at end of table.

Drill cutting samples received November 8, 1967; Assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Mountain Fuel Supply Company's Meadow Springs Draw No. 1 well (Con.)

Surface elevation 7,194 feet

Sample number		Run No.	Yield of product				Specific gravity of oil at 60°/60° F	Properties of spent shale		Remarks
Laramie	Their		Weight percent		Spent shale	Gas + loss		Gal per ton		
			Oil	Water			Oil ^{1/2}	Water		
SBR68-4113	1480-1510	30898	0.9	2.6	94.8	1.7	2.4a	6.2		None
SBR68-4114	1510-1540	30899	1.7	2.8	93.7	1.8	4.5a	6.7		None
SBR68-4115	1540-1570	30900	.8	2.8	94.4	2.0	2.1a	6.7		None
SBR68-4116	1570-1600	30901	.1	2.8	95.3	1.8	.3a	6.7		None
SBR68-4117	1600-1630	30902	.6	2.6	95.2	1.6	1.6a	6.2		None
SBR68-4118	1630-1660	30903	1.2	2.8	94.7	1.3	3.2a	6.6		None
SBR68-4119	1660-1690	30904	1.1	2.6	95.0	1.3	2.9a	6.2		None
SBR68-4120	1690-1720	30905	1.3	2.4	95.0	1.3	3.5a	5.8		None
SBR68-4121	1720-1750	31906	1.2	2.4	95.0	1.4	3.2a	5.8		None
SBR68-4122	1750-1780	30907	1.1	4.4	93.1	1.4	2.9a	10.5		None
SBR68-4123	1780-1810	30908	.7	2.2	96.0	1.1	1.8a	5.3		None
SBR68-4124	1810-1840	30909	.8	2.5	95.3	1.4	2.1a	5.9		None
SBR68-4125	1840-1870	30910	1.1	2.2	95.2	1.5	3.0a	5.3		None
SBR68-4126	1870-1900	30911	1.2	2.0	95.2	1.6	3.2a	4.8		None
SBR68-4127	1900-1930	30912	.7	2.1	95.3	1.9	1.8a	5.0		None
SBR68-4128	1930-1960	30913	1.0	2.2	95.2	1.6	2.5a	5.4		None
SBR68-4129	1960-1990	30914	.9	2.0	95.3	1.8	2.4a	4.8		None
SBR68-4130	1990-2020						b			
SBR68-4131-33	2020-2110						c			
SBR68-4134-37	2110-2230						b			
SBR68-4138	2230-2260						c			
SBR68-4139	2260-2290						Trace			
SBR68-4140-43	2290-2410						b			
SBR68-4144-47	2410-2530						No Oil			
SBR68-4148-50	2530-2620						b			
SBR68-4151-53	2620-2710						c			
SBR68-4154-59	2710-2890						b			
SBR58-4160	2890-2920	30915	.1	2.7	95.2	2.0	.4a	6.5		None
SBR58-4161-64	2920-3040						b			
SBR58-4165	3040-3070						Trace			

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Surface elevation 7,194 feet

Sample number		Run No.	Yield of product				Specific gravity		Properties of spent shale		Remarks
			Weight percent		Gas + loss	Gal per ton		of oil at 60°/60° F		Tendency to coke	
Laramie	Their		Oil	Water		Spent shale		Oil ^{1/}	Water		
SBR68-4166-68	3070-3160						c				
SBR68-4169-70	3160-3220						b				
SBR68-4171	3220-3250	30916	0.8	2.6	95.3	1.3	2.1a	6.2		None	
SBR68-4172	3250-3280	30917	1.0	2.9	94.6	1.5	2.7a	7.0		None	
SBR68-4173	3280-3310	30918	1.8	3.3	93.3	1.6	4.6a	7.9		None	
SBR68-4174	3310-3340	30919	2.3	1.8	94.2	1.7	6.2	4.3	0.883	None	
SBR68-4175	3340-3370	30920	3.5	3.1	90.3	3.1	9.0	7.4	.927	None	
SBR68-4176	3370-3400	30921	3.2	3.0	90.0	3.8	8.3	7.2	.936	None	
SBR68-4177	3400-3430	30922	2.8	2.3	91.4	3.5	7.3	5.5	.935	None	
SBR68-4178	3430-3460	30923	1.9	1.8	94.1	2.2	5.1a	4.3		None	
SBR68-4179	3460-3490	30924	.9	1.9	94.9	2.3	2.3a	4.6		None	
SBR68-4180	3490-3520	30925	2.0	3.4	90.1	4.5	5.3a	8.1		None	
SBR68-4181	3520-3550	30926	.4	2.8	94.0	2.8	1.0a	6.7		None	
SBR68-4182	3550-3580	30927	.6	2.8	94.2	2.4	1.4a	6.7		None	
SBR68-4183	3580-3610	30928	1.4	3.2	92.4	3.0	3.5a	7.8		None	
SBR68-4184	3610-3640	30929	3.4	3.6	88.9	4.1	8.6	8.6	.950	None	
SBR68-4185	3640-3670	30930	.9	2.6	93.9	2.6	2.4a	6.2		None	
SBR68-4186	3670-3700	30931	.9	3.0	94.2	1.9	2.4a	7.2		None	
SBR68-4187	3700-3730	30932	.8	2.8	94.4	2.0	2.2a	6.7		None	
SBR68-4188	3730-3760	30933	.9	2.5	95.1	1.5	2.3a	6.0		None	
SBR68-4189-92	3760-3880						c				
SBR68-4193	3880-3910	30934	.0	3.1	95.6	1.3	Trace	7.4		None	
SBR68-4194	3910-3940	30935	.0	2.6	96.3	1.1	Trace	6.3		None	
SBR68-4195	3940-3970						Trace			None	
SBR68-4196-4201	3970-4150						No Oil				
SBR68-4202	4420-4450						No Oil				
SBR68-4203-04	4450-4510						b				
SBR68-4205	4510-4540						No Oil				
SBR68-4206-07	4540-4600						b				
SBR68-4208	4600-4630						No Oil				

^{1/}"a"-indicates specific gravity estimated as 0.92. "No Oil," "b"--less than 1 gal oil/ton, "c"--1 to 3 gal oil/ton.

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