

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Carter Oil Company's No. 1 Minton State well located at C, NE 1/4, SE 1/4
of Sec. 32, T. 14 S., R. 20 E., Uintah County, Utah

Surface elevation 7502 feet

Mahogany marker 7072

Surface elevation 1502 feet

Mahogany marker 7072

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		Gas + loss	Gal. per ton					
Laraine	Their		Oil	Water		Spent shale		Oil	Water		
SER56-4529-34	20-80	46584-9					no oil				
SER56-4535-6	90-110	46690-1					a				
SER56-4537-9	110-140	46692-4					b				
SER56-4540-3	160-200	46695-8					c				
SER56-4544	200-210	46699	2.9	1.8	94.4	0.9	7.4	4.3	0.925	None	
SER56-4545	210-220	46700	2.8	2.0	94.5	.7	7.3	4.8	.919	None	
SER56-4546	220-230	46701	2.8	1.8	94.2	1.2	7.4	4.3	.923	None	
SER56-4547	230-240	46702	2.9	1.9	94.4	.8	7.5	4.6	.924	None	
SER56-4548	240-250	46703	3.0	1.8	94.4	.8	7.7	4.4	.925	None	
SER56-4549	250-260	46704	2.9	1.7	94.6	.8	7.4	4.2	.928	None	
SER56-4550	260-270	46706	2.7	1.8	94.6	.9	7.1	4.3	.921	None	
SER56-4551	270-280	46707	2.7	1.9	94.8	.6	7.1	4.6	.921	None	
SER56-4552	280-290	46708	2.7	1.9	94.9	.5	7.0	4.6	.919	None	
SER56-4553	290-300	46709					c				
SER56-4554	300-310	46710	3.2	1.3	94.7	.8	8.2	3.1	.924	None	
SER56-4555	310-320	46711	3.0	1.3	94.9	.8	7.8	3.2	.920	None	
SER56-4556	320-330	46712	3.3	1.2	94.5	1.0	8.4	2.9	.924	None	
SER56-4557	330-340	46713					c				
SER56-4558	340-350	46714	2.5	1.2	95.7	.6	6.4	2.9	.921	None	
SER56-4559	350-360	46715	2.6	1.1	95.7	.6	6.7	2.6	.918	None	
SER56-4560	360-370	46716	2.2	1.5	95.8	.5	5.6	3.6	.921	None	
SER56-4561-2	370-390	46717-8					c				
SER56-4563	390-400	46719	2.0	1.5	95.8	.7	5.2	3.6	.919	None	
SER56-4564	400-410	46720	3.1	1.1	95.1	.7	8.1	2.6	.916	None	
SER56-4565	410-420	46721	3.5	1.0	94.6	.9	9.2	2.4	.920	None	
SER56-4566	420-430	46722	3.3	1.0	95.1	.6	8.4	2.5	.923	None	
SER56-4567	430-440	46723	2.5	1.0	95.7	.8	6.4	2.5	.922	None	
SER56-4568	440-450	46724	2.5	1.1	95.7	.7	6.5	2.5	.925	None	
SER56-4569	450-460	46725	.9	1.1	97.3	.7	2.3a	2.5		None	
SER56-4570	460-470	46726	.9	1.2	97.4	.5	2.2a	2.9		None	

a - Gravity estimated due to insufficient oil; b - Less than 1.0 gallon of oil/ton of shale; c - More than 1.0 but less than 3.0 gallons of oil/ton of shale.

Cutting samples received August 25, 1955; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Carter Oil Company's No. 1 Minton State well located at C, NE 1/4, SE 1/4
of Sec. 32, T. 14 S., R. 20 E., Uintah County, Utah

Surface elevation 7502 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		Gas +					
Laramie	Thair		Oil	Water	Spent shale	loss	Oil	Water		
SER56-4571	470-480	46727	0.9	0.8	98.0	0.3	2.3a	1.9		None
SER56-4572	480-490	46728	.8	.7	98.1	.4	2.1a	1.7		None
SER56-4573	490-500	46729	.8	.8	98.0	.4	1.9a	1.9		None
SER56-4574	500-510	46730	.3	2.1	97.2	.4	.7a	5.0		None
SER56-4575	510-520	46731	.4	2.1	96.9	.6	1.0a	5.2		None
SER56-4576	520-530	46732	1.0	1.8	96.9	.3	2.5a	4.2		None
SER56-4577	530-540	46733	1.1	1.4	97.2	.3	2.8a	3.5		None
SER56-4578	540-550	46734	1.1	1.3	97.4	.2	2.8a	3.2		None
SER56-4579	550-560	46735	1.5	.7	97.4	.4	3.8a	1.8		None
SER56-4580	560-570	46736	1.4	.7	97.7	.2	3.5a	1.7		None
SER56-4581	570-580	46737	1.4	.7	97.4	.5	3.6a	1.7		None
SER56-4582	580-590	46738	1.4	.7	97.6	.3	3.5a	1.8		None
SER56-4583	590-600	46739	1.4	.6	97.4	.6	3.4a	1.4		None
SER56-4584	600-610	46740	.9	.6	98.3	.2	2.2a	1.6		None
SER56-4585-8	610-650						c			
SER56-4589-92	650-690						no oil			
SER56-4593	690-700	46741	1.9	1.3	95.9	.9	5.1	3.1	0.914	None
SER56-4594	700-710	46742	1.8	1.4	96.0	.8	4.6a	3.4		None
SER56-4595	710-720						c			
SER56-4596	730-740						c			
SER56-4597-602	740-800						b			
SER56-4603	810-820						no oil			
SER56-4604-6	820-850						b			
SER56-4607-8	850-870						c			
SER56-4609-12	870-910						b			
SER56-4613	910-920						c			
SER56-4614	920-930						b			
SER56-4615	930-940						no oil			
SER56-4616	940-950						trace			
SER56-4617	950-960						c			

a - Gravity estimated due to insufficient oil; b - Less than 1.0 gallon of oil/ton of shale; c - More than 1.0 but less than 3.0 gallons of oil/ton of shale.

Cutting samples received August 25, 1955 () assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Carter Oil Company's No. 1 Minton State well located at C, NE 1/4, SE 1/4
of Sec. 32, T. 14 S., R. 20 E., Uintah County, Utah

Surface elevation 7502 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		Gas + loss	Gal. per ton				
Laramie	Thief		Oil	Water		Spent shale		Oil	Water	
SER56-4618-9	960-980						b			
SER56-4620	980-990						trace			
SER56-4621	990-1000						no oil			
SER56-4622	1030-1040						b			
SER56-4623	1040-1050						c			
SER56-4624-5	1050-1070						trace			
SER56-4626	1070-1080						no oil			
SER56-4627	1080-1090						b			
SER56-4628	1090-1100						c			
SER56-4629	1100-1110						b			
SER56-4630	1130-1140						no oil			
SER56-4631	1160-1170						trace			
SER56-4632-8	1170-1240						no oil			
SER56-4639-40	1240-1260						trace			
SER56-4641-2	1260-1280						c			
SER56-4643	1280-1290						b			
SER56-4644-5	1290-1310						c			
SER56-4646-7	1310-1330						b			
SER56-4648	1340-1350						c			
SER56-4649	1350-1360						b			
SER56-4650-2	1360-1390						no oil			
SER56-4653	1390-1400						b			
SER56-4654	1400-1410						no oil			
SER56-4655	1410-1420						c			
SER56-4656-8	1430-1460						c			
SER56-4659	1460-1470						b			
SER56-4660	1470-1480						trace			
SER56-4661-2	1480-1500						b			
SER56-4663-4	1500-1520						trace			
SER56-4665-6	1520-1540						c			

b - Less than 1.0 gallon of oil/ton of shale; c - More than 1.0 but less than 3.0 gallons of oil/ton of shale.

Cutting samples received August 25, 1955; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Carter Oil Company's No. 1 Minton State well located at C, NE 1/4, SE 1/4 of Sec. 32, T. 14 S., R. 20 E., Uintah County, Utah

Surface elevation 7502 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					
			Oil	Water	Spent shale	Gas + loss				
Laramie	Thair									
SER56-4667-73	1560-1630						no oil			
SER56-4674-8	1670-1720						no oil			
SER56-4679	1720-1730						b			
SER56-4680-91	1730-1850						no oil			
SER56-4692	1950-1960						no oil			
SER56-4693-5	1980-2010						no oil			
SER56-4696-704	2020-2110						no oil			
SER56-4705-8	2140-2180						no oil			
SER56-4709	2180-2190						trace			
SER56-4710-2	2190-2220						no oil			
SER56-4713-22	2230-2330						no oil			
SER56-4723-34	2340-2460						no oil			
SER56-4735	2460-2470						trace			
SER56-4736-8	2470-2500						no oil			
SER56-4739-47	2520-2620						no oil			
SER56-4748	2620-2630						trace			
SER56-4749-55	2630-2700						no oil			
SER56-4756	6030-6040						no oil			
SER56-4757	6040-6050						b			

b - Less than 1.0 gallon of oil/ton of shale; c - More than 1.0 but less than 3.0 gallons of oil/ton of shale.

Cutting samples received August 25, 1955; assays made on air-dried samples.