

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from USEM Rock Springs Well No. 5-4 drilled in SWSWNE sec 15, T 18 N, R 106 W,
Sweetwater County, Wyoming

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		
		Oil	Water		Spent shale			Oil ^{1/}	Water
30.0-31.0	16542	0.3	2.0	97.5	0.2	0.8a	4.8	None	
31.0-31.9	16543	.7	1.2	97.6	.5	1.9a	2.9	None	
31.9-32.8	16544	6.7	2.4	89.0	1.9	17.3	5.8	None	0.934
32.8-33.5	16545	9.1	2.4	86.6	1.9	23.7	5.8	None	.924
33.5-34.6	16546	8.5	2.4	87.9	1.2	22.0	5.8	None	.922
34.6-35.6	16547	9.9	2.4	85.1	2.6	25.8	5.8	None	.921
35.6-37.8	16548	7.6	2.1	88.7	1.6	19.7	5.0	None	.921
37.8-38.8	16549	1.1	1.0	97.9	.0	2.8a	2.4	None	
38.8-39.4	16550	2.1	1.8	95.8	.3	5.4a	4.3	None	
39.4-39.5	16551	.0	1.2	98.8	.0	No Oil	2.8	None	
39.5-40.5	16552	.4	1.5	98.1	.0	1.1a	3.6	None	
40.5-41.5	16553	.4	1.0	98.6	.0	.9a	2.4	None	
41.5-42.5	16554	.1	1.0	94.1	4.8	.3a	2.4	None	
42.5-43.5	16555	.4	.4	99.1	.1	1.2a	.8	None	
43.5-43.9	16556	.7	.5	98.8	.0	1.8a	1.1	None	
43.9-44.5	16557	2.1	1.1	96.5	.3	5.5a	2.6	None	
44.5-45.1	16558	3.6	1.5	94.1	.8	9.6	3.6	None	.907
45.1-46.1	16559	7.4	1.8	89.5	1.3	19.5	4.3	None	.905
46.1-46.6	16585	6.8	2.0	89.7	1.5	18.1	4.8	None	.907
46.6-47.2	16561	9.3	1.9	87.0	1.8	24.2	4.6	None	.916
47.2-48.2	16562	12.0	2.2	83.7	2.1	31.0	5.2	None	.929
48.2-49.3	16563	12.8	2.1	82.6	2.5	33.1	5.0	None	.928
49.3-50.0	16564	9.5	2.5	85.2	2.8	24.7	5.9	None	.923
50.0-51.0	16565	13.4	2.3	81.4	2.9	34.6	5.5	None	.926
51.0-52.0	16566	11.3	2.2	83.9	2.6	29.8	5.3	None	.911
52.0-52.3	16567	7.2	2.9	87.4	2.5	18.8	7.0	None	.914
52.3-53.3	16568	8.5	1.9	87.1	2.5	22.1	4.7	None	.919
53.3-54.1	16569	8.1	1.7	87.7	2.5	21.1	4.2	None	.915
54.1-54.9	16570	6.1	1.5	90.7	1.7	16.1	3.5	None	.912
54.9-55.9	16571	4.3	1.6	91.0	3.1	11.2a	3.8	None	

See footnotes at end of table.

Core samples received September 1966; assays made on as-received basis

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from USEM Rock Springs Well No. 5-4 (con.)

Sample number	Run No.	Yield of Product				Specific gravity of oil at 60°/60°F	Properties of spent shale		Remarks	
		Weight percent		Spent shale	Gas + loss		Gal per ton			Tendency to coke
		Oil	Water				Oil	Water		
55.9-56.1	16572	5.9	2.5	89.0	2.6	15.4	6.1	0.910	None	
56.1-57.1	16573	8.0	2.4	87.8	1.8	21.1	5.8	.909	None	
57.1-57.3	16574	7.2	2.2	88.5	2.1	18.9	5.3	.912	None	
57.3-58.3	16575	5.3	2.6	89.8	2.3	14.1	6.2	.907	None	
58.3-59.3	16576	6.5	2.5	88.6	2.4	17.0	6.0	.918	None	
59.3-60.3	16577	8.7	2.7	85.3	3.3	22.7	6.5	.921	None	
60.3-61.3	16578	7.4	2.8	86.6	3.2	19.2	6.7	.923	None	
61.3-62.3	16579	7.1	2.8	87.7	2.4	18.4	6.7	.928	None	
62.3-63.3	16580	7.6	2.7	87.0	2.7	19.5	6.5	.932	None	
63.3-64.3	16581	5.1	2.6	90.0	2.3	13.0	6.2	.938	None	
64.3-64.8	16582	5.9	2.5	89.0	2.6	15.1	6.0	.939	None	
64.8-65.0	16583	2.1	5.0	89.6	3.3	5.3	12.0	.941	None	
65.0-66.0	16526	9.6	2.3	85.1	3.0	25.0	5.5	.924	None	
66.0-67.0	16527	10.1	1.8	85.0	3.1	26.3	4.3	.921	None	
67.0-68.0	16528	10.2	1.8	84.7	3.3	26.2	4.3	.928	None	
68.0-69.0	16529	8.6	1.9	87.0	2.5	22.1	4.6	.937	None	
69.0-70.0	16530	9.8	1.7	86.0	2.5	24.8	4.1	.950	None	
70.0-71.0	16531	6.5	3.0	88.3	2.2	16.9	7.2	.922	None	
71.0-71.7	16532	12.2	2.8	80.9	4.1	30.9	6.7	.948	None	
71.7-72.7	16533	13.4	2.2	80.2	4.2	35.1	5.3	.913	None	
72.7-73.2	16534	10.0	1.9	85.0	3.1	26.2	4.6	.913	None	
73.2-74.0	16535	11.0	1.9	83.7	3.4	28.9	4.6	.911	None	
74.0-74.2	16536	5.5	.6	91.3	2.6	14.6	1.5	.908	None	
74.2-75.2	16537	10.5	1.5	85.7	2.3	27.6	3.6	.911	None	
75.2-76.2	16538	12.0	2.1	82.7	3.2	31.7	5.0	.912	None	
76.2-77.2	16539	12.3	2.2	82.9	2.6	32.2	5.3	.918	None	
77.2-77.4	16540	9.7	4.2	83.7	2.4	25.0	10.0	.928	None	
77.4-77.6	16541	4.7	2.2	92.1	1.0	12.4	5.3	.907	None	
77.6-77.9	16505	7.5	2.5	87.9	2.1	19.7	6.0	.909	None	
77.9-78.9	16501	7.6	2.6	88.0	1.8	20.2	6.2	.908	None	

Core samples received September 1966; assays made on as-received basis

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from USBM Rock Springs Well No. 5-4 (con.)

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		Spent shale	Gas + loss	Gal per ton				
		Oil	Water			Oil	Water			
78.9-79.4	16504	5.0	2.4	90.6	2.0	12.9	5.8	0.923	None	
79.4-79.5	16502	4.9	2.3	91.7	1.1	12.7a	5.5		None	
79.5-79.7	16503	6.2	2.9	88.4	2.5	16.0	7.0	.924	None	
79.7-80.7	16506	6.7	2.2	88.8	2.3	17.5	5.3	.922	None	
80.7-81.7	16507	10.9	2.2	83.9	3.0	28.4	5.3	.924	None	
81.7-82.1	16508	9.7	4.2	83.2	2.9	25.7	10.1	.901	None	
82.1-82.9	16509	6.5	2.7	88.5	2.3	17.0	6.5	.912	None	
82.9-83.3	16513	5.8	2.2	90.9	1.1	15.1	5.3	.921	None	
83.3-84.4	16514	7.3	1.3	89.7	1.7	19.1	3.1	.918	None	
84.4-84.5	16510	6.5	1.5	89.1	2.9	17.1	3.6	.912	None	
84.5-85.3	16511	11.2	1.9	83.7	3.2	29.6	4.6	.905	None	
85.3-86.2	16512	8.9	1.8	86.2	3.1	23.3	4.3	.913	None	
86.2-86.9	16515	6.0	2.4	89.4	2.2	16.0	5.8	.906	None	
86.9-87.3	16516	2.1	3.0	94.0	.9	5.7	7.2	.897	None	
87.3-87.5	16517	3.8	1.6	92.9	1.7	10.1	3.8	.892	None	
87.5-87.6	16518	2.3	1.4	94.6	1.7	5.9a	3.4		None	
87.6-88.0	16519	1.5	1.1	95.8	1.6	4.0a	2.6		None	
88.0-89.0	16520	1.8	1.1	95.1	2.0	5.0	2.6	.888	None	
89.0-90.0	16521	2.0	1.4	95.0	1.6	5.1a	3.4		None	
90.0-91.0	16522	1.8	1.4	95.3	1.5	4.7a	3.4		None	
91.0-92.0	16523	1.6	2.0	94.5	1.9	4.1a	4.8		None	
92.0-92.9	16524	2.3	2.0	94.1	1.6	6.2	4.8	.903	None	
92.9-93.3	16525	1.7	1.8	95.2	1.3	4.4	4.3	.932	None	
93.3-94.4	16584	7.5	1.9	88.2	2.4	19.4	4.6	.926	None	
94.4-95.4	16586	5.6	1.8	90.8	1.8	14.9	4.3	.903	None	
95.4-96.4	16587	7.6	1.9	88.2	2.3	19.9	4.6	.922	None	
96.4-97.1	16597	8.7	2.2	87.1	2.0	22.8	5.3	.914	None	
97.1-97.5	16598	12.5	3.0	81.4	3.1	33.8	7.2	.885	None	
97.5-97.9	16599	2.4	.3	96.3	1.0	6.5	.7	.909	None	
97.9-98.1	16588	4.6	4.0	89.9	1.5	12.1a	9.6		None	

See footnotes at end of table.

Core samples received September 1966; assays made on as-received basis

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from USBM Rock Springs Well No. 5-4 (con.)

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	Oil 1/	Water			
98.1- 98.3	16589	1.8	1.5	96.0	.7	4.8a	3.6		None	
98.3- 98.6	16590	2.2	4.8	91.6	1.4	6.0	11.5	0.892	None	
98.6- 98.8	16591	.1	6.3	92.8	.8	.3a	15.0		None	
98.8- 99.1	16592	4.0	3.5	90.3	2.2	10.6	8.4	.896	None	
99.1- 99.3	16593	.1	6.9	92.6	.4	.3a	16.4		None	
99.3-100.0	16594	3.2	3.2	91.9	1.7	8.5	7.7	.894	None	
100.0-100.9	16595	3.3	3.4	91.8	1.5	8.8	8.1	.895	None	
100.9-101.3	16596	3.3	3.5	91.9	1.3	8.8	8.4	.889	None	
101.3-101.4	16600	3.6	3.3	91.5	1.6	9.5	7.9	.901	None	
101.4-101.6	16601	3.4	2.5	92.6	1.5	9.1	6.0	.898	None	
101.6-101.9	16602	2.3	2.2	94.4	1.1	6.0	5.3	.905	None	
102.0-103.0	16603	3.0	1.7	94.0	1.3	8.1	4.1	.901	None	
103.0-104.0	16604	4.3	3.5	90.0	2.2	11.6	8.4	.897	None	
104.0-105.1	16605	5.3	3.5	88.9	2.3	14.3	8.4	.889	None	
105.1-106.0	16606	6.8	3.6	86.9	2.7	18.3	8.6	.891	None	
106.0-106.7	16607	.0	7.0	92.3	.7	No oil	16.7		None	
106.7-107.7	16608	3.4	4.0	91.0	1.6	9.3	9.6	.886	None	
107.7-108.7	16609	4.8	4.9	88.8	1.5	12.9	11.7	.889	None	
108.7-108.9	16610	1.5	.9	96.9	.7	4.0a	2.2		None	
108.9-109.1	16611	5.2	5.2	87.6	2.0	14.1	12.5	.888	None	
109.1-109.3	16612	2.8	1.9	93.5	1.8	7.5	4.6	.883	None	
109.3-109.5	16613	5.1	3.6	89.2	2.1	13.9	8.6	.881	None	
109.5-109.8	16614	.0	7.4	92.1	.5	No oil	17.8		None	
109.8-110.8	16615	4.4	3.4	88.9	3.3	11.8	8.1	.891	None	
110.8-111.8	16616	3.7	4.5	89.5	2.3	10.0	10.8	.884	None	
111.8-112.6	16617	.3	5.4	93.0	1.3	.9a	12.9		None	
112.6-113.0	16618	.9	3.8	95.1	.2	2.4a	9.1		None	
113.0-113.7	16619	.3	4.2	94.1	1.4	.8a	10.1		None	
113.7-114.2	16620	.3	1.2	97.7	.8	.8a	2.9		None	
114.2-114.3	16621	.9	4.8	93.7	.6	2.3a	11.5		None	

See footnotes at end of table.

Core samples received September 1966; assays made on as-received basis

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from USEM Rock Springs Well No. 5-4 (con.)

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	Oil ^{1/}	Water			
114.3-115.3	16622	0.6	3.0	95.2	1.2	1.4a	7.2		None	
115.3-116.2	16623	.4	4.6	93.7	1.3	1.0a	11.0		None	
116.2-116.6	16624	1.4	6.1	90.9	1.6	3.7a	14.6		None	
116.6-116.8	16625	.1	6.9	92.2	.8	.3a	16.4		None	
116.8-117.2	16626	1.5	3.9	93.8	.8	3.8a	9.3		None	
117.2-117.6	16627	1.8	2.8	94.1	1.3	4.7a	6.7		None	
117.6-117.8	16628	2.6	4.0	91.8	1.6	7.0	9.6	0.899	None	
117.8-118.0	16629	5.7	4.5	87.8	2.0	15.1	10.8	.897	None	
118.0-118.9	16630	5.3	1.9	91.1	1.7	14.2	4.6	.904	None	
118.9-119.9	16631	2.9	1.7	94.2	1.2	7.6	4.1	.902	None	
119.9-120.2	16632	3.0	2.7	93.0	1.3	8.0	6.5	.895	None	
120.2-120.5	16633	4.4	4.0	89.7	1.9	11.9	9.6	.895	None	
120.5-121.5	16634	2.3	2.0	94.3	1.4	6.1	4.8	.898	None	
121.5-122.5	16635	2.8	1.8	93.8	1.6	7.5	4.3	.897	None	
122.5-123.5	16636	3.9	2.4	91.7	2.0	10.4	5.8	.893	None	
123.5-124.5	16637	4.3	2.5	91.2	2.0	11.6	6.0	.894	None	
124.5-125.8	16638	3.0	2.1	93.1	1.8	8.1	5.0	.888	None	
125.8-126.9	16639	3.6	3.6	90.8	2.0	9.5	8.6	.897	None	
126.9-127.9	16640	2.2	1.9	94.1	1.8	5.8	4.6	.908	None	
127.9-128.9	16641	2.8	1.9	93.9	1.4	7.6	4.6	.895	None	
128.9-129.9	16642	3.9	3.0	91.1	2.0	10.4	7.2	.894	None	
129.9-130.9	16643	3.7	3.6	90.5	2.2	10.1	8.6	.884	None	
130.9-131.9	16644	3.1	3.0	91.8	2.1	8.5	7.2	.884	None	
131.9-132.7	16645	2.8	2.5	93.1	1.6	7.6	6.0	.896	None	
132.7-133.7	16646	3.3	2.5	92.6	1.6	8.8	6.0	.892	None	
133.7-134.4	16647	4.0	3.5	90.9	1.6	10.7	8.4	.888	None	
134.4-135.4	16648	7.2	5.0	85.4	2.4	19.6	12.0	.879	None	
135.4-135.7	16649	4.0	6.5	87.6	1.9	10.8	15.6	.895	None	
135.7-136.8	16650	3.3	4.9	90.0	1.8	8.9	11.7	.889	None	
136.8-137.8	16651	5.5	5.0	87.0	2.5	14.2	12.0	.928	None	

See footnotes at end of table.

Core samples received September 1966; assays made on as-received basis

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from USBM Rock Springs Well No. 5-4 (con.)

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	Oil ^{1/}	Water			
137.8-138.8	16652	5.2	4.9	87.7	2.2	13.6	11.7	0.909	None	
138.8-139.9	16653	3.7	2.8	91.8	1.7	9.7	6.7	.908	None	
139.9-140.0	16654	1.3	3.8	93.7	1.2	3.3a	9.1		None	
140.0-141.0	16655	5.2	6.0	87.0	1.8	13.4	14.4	.922	None	
141.0-141.7	16656	5.3	6.2	86.9	1.6	13.8	14.9	.916	None	
141.7-142.0	16657	2.3	1.6	95.5	.6	6.1	3.8	.893	None	
142.0-142.4	16658	4.8	5.8	87.8	1.6	12.8	13.9	.902	None	
142.4-142.5	16659	.8	1.9	96.5	.8	2.2a	4.6		None	
142.5-142.7	16660	1.3	.6	98.0	.1	3.5a	1.3		None	
142.7-142.8	16661	7.6	2.3	88.6	1.5	19.7	5.5	.921	None	
142.8-143.0	16662	.7	1.0	98.0	.3	1.8a	2.4		None	
143.0-143.4	16663	5.8	3.8	88.6	1.8	15.1	9.1	.930	None	
143.4-143.8	16664	4.7	3.0	90.9	1.4	12.2	7.2	.926	None	
143.8-144.1	16665	5.5	4.0	88.9	1.6	14.3	9.6	.926	None	
144.1-145.1	16666	7.5	3.0	87.2	2.3	19.6	7.2	.921	None	
145.1-146.0	16667	3.2	2.4	93.4	1.0	8.2	5.8	.923	None	
146.0-146.4	16668	6.6	.35	88.0	1.9	16.9	8.4	.929	None	
146.4-147.4	16669	6.9	2.7	88.5	1.9	17.8	6.5	.931	None	
147.4-148.2	16670	6.8	3.1	88.0	2.1	17.4	7.4	.936	None	
148.2-148.7	16671	2.2	1.0	95.9	.9	5.7	2.4	.934	None	
148.7-149.7	16672	6.4	3.9	87.6	2.1	16.2	9.3	.942	None	
149.7-150.3	16673	6.9	4.0	87.2	1.9	17.7	9.6	.936	None	
150.3-150.4	16674	2.6	1.6	95.1	.7	6.6	3.8	.936	None	
150.4-151.4	16675	5.2	5.3	87.8	1.7	13.5	12.7	.931	None	
151.4-151.6	16676	8.4	4.1	85.0	2.5	21.6	9.8	.933	None	
151.6-151.9	16677	3.0	1.5	94.7	.8	7.8	3.7	.935	None	
151.9-152.2	16678	9.2	5.0	82.8	3.0	23.6	12.0	.935	None	
152.2-153.2	16679	10.9	2.8	83.0	3.3	28.4	6.7	.921	None	
153.2-154.2	16680	5.6	4.9	87.1	2.4	14.8	11.7	.917	None	
154.2-154.4	16705	9.2	2.2	86.2	2.4	24.2	5.3	.915	None	

See footnotes at end of table.

Core samples received September 1966; assays made on as-received basis

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from USEM Rock Springs Well No. 5-4 (con.)

Sample number	Run No.	Yield of Product				Specific gravity of oil at 60°/60°F	Properties of spent shale		Remarks	
		Weight percent		Spent shale	Gas + loss		Gal per ton			Tendency to coke
		Oil	Water				Oil	Water		
154.4-154.6	16706	3.3	0.9	94.9	0.9	8.7	2.2	0.914	None	
154.6-155.5	16710	6.0	3.8	88.2	2.0	16.0	9.1	.904	None	
155.5-156.5	16711	8.3	4.3	84.8	2.6	21.8	10.3	.908	None	
156.5-157.5	16712	9.2	4.4	83.5	2.9	24.2	10.5	.907	None	
157.5-157.7	16707	9.7	3.4	84.0	2.9	25.2	8.1	.924	None	
157.7-158.1	16708	8.2	3.0	86.4	2.4	21.1	7.2	.928	None	
158.1-159.1	16709	4.8	4.2	89.0	2.0	12.6	10.1	.919	None	
159.1-159.3	16713	2.7	3.0	93.1	1.2	7.0	7.2	.902	None	
159.3-159.6	16714	4.0	4.8	89.1	2.1	10.7	11.5	.903	None	
159.6-160.1	16715	4.1	4.9	89.1	1.9	11.0	11.7	.897	None	
160.1-160.3	16716	6.8	2.8	88.8	1.6	18.0	6.7	.907	None	
160.3-160.5	16717	6.8	3.6	87.1	2.5	17.9	8.5	.916	None	
160.5-160.8	16718	2.5	.7	95.9	.9	6.5	1.8	.912	None	
160.8-161.1	16719	5.9	6.0	85.7	2.4	15.7	14.4	.904	None	
161.1-162.0	16720	8.7	3.3	85.1	2.9	23.2	7.8	.905	None	
162.0-162.6	16681	8.4	2.1	86.6	2.9	21.8a	5.0		None	
162.6-162.7	16693	4.8	.5	93.8	.9	12.4a	1.2		None	
162.7-163.2	16682	7.8	2.9	86.2	3.1	20.7	7.0	.901	None	
163.2-163.6	16683	5.0	1.2	91.6	2.2	13.2	2.9	.920	None	
163.6-164.5	16684	6.0	4.2	86.2	3.6	15.6	10.1	.920	None	
164.5-164.6	16685	3.3	1.9	92.6	2.2	8.8	4.6	.902	None	
164.6-165.0	16686	4.1	2.0	91.3	2.6	11.1	4.8	.896	None	
165.0-165.3	16687	7.3	2.9	86.6	3.2	19.5	7.0	.896	None	
165.3-165.6	16688	4.9	1.7	91.2	2.2	13.3	4.1	.883	None	
165.6-166.6	16689	6.6	5.1	85.0	3.3	17.6	12.2	.894	None	
166.6-167.6	16690	4.8	6.7	85.6	2.9	12.7	16.1	.899	None	
167.6-168.6	16691	5.3	6.0	85.7	3.0	14.3	14.4	.894	None	
168.6-168.8	16692	6.5	5.8	84.8	2.9	17.3	13.9	.901	None	
168.8-169.7	16694	2.4	3.9	92.2	1.5	6.5	9.3	.887	None	
169.7-170.7	16695	3.3	5.5	89.0	2.2	8.9	13.2	.898	None	

See footnotes at end of table.

Core samples received September 1966; assays made on as-received basis

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from USBM Rock Springs Well No. 5-4 (con.)

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				
		Oil	Water		Spent shale		Oil ^{1/}	Water	
170.7-171.2	16696	2.9	5.8	89.3	2.0	7.8	13.9	0.889	None
171.2-171.6	16697	5.3	3.5	89.4	1.8	14.3	8.4	.893	None
171.6-171.9	16698	1.5	.9	96.7	.9	3.9a	2.1		None
171.9-172.0	16699	8.5	4.3	83.2	4.0	22.3	10.2	.915	None
174.0-174.5	16700	.0	2.2	97.0	.8	No oil	5.2		None
174.5-175.2	16701	.0	1.3	98.3	.4	No oil	3.1		None
175.2-176.3	16702	1.3	3.4	93.7	1.6	3.3a	8.1		None
176.3-177.4	16703	.8	1.3	96.5	1.4	2.2a	3.1		None
177.4-178.3	16704	.7	3.6	94.5	1.2	1.9a	8.6		None
177.8-179.3	16721	.6	1.4	97.2	.8	1.5a	3.5		None
179.3-180.3	16722	1.1	2.4	95.4	1.1	2.9a	5.8		None
180.3-181.2	16723	1.4	3.0	94.3	1.3	3.7a	7.2		None
181.2-182.2	16724	.9	4.0	93.8	1.3	2.3a	9.6		None
182.2-183.2	16725	1.1	3.0	94.9	1.0	2.8a	7.2		None
183.2-184.2	16726	1.3	3.6	93.9	1.2	3.5a	8.6		None
184.2-184.5	16727	1.3	3.0	94.4	1.3	3.3a	7.2		None
184.5-185.2	16728	1.6	4.4	92.4	1.6	4.2a	10.5		None
185.2-186.2	16729	2.0	3.1	93.9	1.0	5.3a	7.4		None
186.2-186.6	16730	2.0	3.1	93.3	1.6	5.1a	7.5		None
186.6-187.6	16731	1.2	.9	97.1	.8	3.2a	2.0		None
187.6-188.7	16732	.4	.5	98.9	.2	1.0a	1.2		None
188.7-189.5	16733	1.7	1.5	95.9	.9	4.5a	3.6		None
189.5-190.6	16734	.0	.4	99.0	.6	No oil	1.0		None
190.6-191.6	16735	.0	3.4	95.9	.7	No oil	8.1		None
191.6-192.6	16736	.0	3.9	95.5	.6	No oil	9.2		None
192.6-193.6	16737	.0	3.3	96.2	.5	No oil	7.8		None
193.6-193.9	16738	.0	3.6	96.0	.4	No oil	8.6		None
193.9-194.8	16739	.0	8.6	90.8	.6	No oil	20.5		None
194.8-195.4	16740	.0	8.9	90.2	.9	No oil	21.2		None
195.4-196.4	16741	.0	6.9	92.9	.2	No oil	16.5		None

See footnotes at end of table.

Core samples received September 1966; assays made on as-received basis

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from USBM Rock Springs Well No. 5-4 (con.)

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	Oil ^{1/}	Water			
196.4-197.4	16742	0.0	5.6	93.9	0.5	No oil	13.3	None		
197.4-198.4	16743	.0	4.1	95.3	.6	No oil	9.8	None		
198.4-199.4	16744	.0	2.6	97.1	.3	No oil	6.2	None		
199.4-200.4	16745	.0	2.1	97.8	.1	No oil	5.1	None		

^{1/} "a"--estimates specific gravity as 0.92. "No Oil"

Core samples received September 1966; assays made on as-received basis

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