35 of 50 UR 217
110' of 25
780' of 15

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's Southman Canyon Unit Well No. 7 drilled in NE1/4, NW1/4, NW1/4, 373 feet S/N and 777 feet E/W of sec. 24, T. 10S., R. 23E., Uintah County, Utah

Derrick floor elevation 4,942 feet

Mahogany Marker 1050'

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal. per ton				
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil	Water	of oil at 60°/60° F.	Tendency to coke	Remarks
SBR62-2464	40- 50						No oil				
SBR62-2465	50- 60						b				
SBR62-2466	60- 70						No oil				
SBR62-2467	70- 80						Trace				
SBR62-2468	80- 90						b				
SBR62-2469	90-100						Trace				
SBR62-2470	100-110						No oil				
SBR62-2471-72	110-130						Trace				
SBR62-2473	130-140						c				
SBR62-2474	140-150						No oil				
SBR62-2475-78	150-190						Trace				
SBR62-2479-80	190-210						No oil				
SBR62-2481-83	220-250						b				
SBR62-2484	250-260						No oil				
SBR62-2485	260-270						c				
SBR62-2486-88	270-300						No oil				
SBR62-2489	310-320						Trace				
SBR62-2490	340-350						b				
SBR62-2491-92	360-380						Trace				
SBR62-2493	380-390						b				
SBR62-2494-96	390-420						c				
SBR62-2497	420-430						b				
SBR62-2498	430-440	78571	1.7	1.0	96.6	0.7	4.3a	2.4		None	
SBR62-2499	440-450	78572	2.2	.8	96.2	.8	5.6	1.9	0.933	None	
SBR62-2500	460-470	78573	.5	1.2	97.9	.4	1.3a	2.9		None	
SBR62-2501	470-480	78574	1.2	1.0	97.3	.5	3.0a	2.4		None	
SBR62-2502	480-490	78575	2.0	.5	96.6	.9	5.1a	1.3		None	
SBR62-2503	490-500	78576	1.3	.9	97.0	.8	3.3a	2.2		None	
SBR62-2504	500-510	78577	1.5	.9	96.8	.8	3.8a	2.2		None	
SBR62-2505	510-520	78578	2.0	.3	96.7	1.0	5.3	.7	.929	None	

See footnotes at end of table.

Drill cutting samples received December 22, 1961; assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-3556P, Sheet No. 1 of 9 sheets, February 27, 1962

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's Southman Canyon Unit Well No. 7 (Con.)

Derrick floor elevation 4,942 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal. per ton		of oil at	Tendency to	
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil	Water	60°/60° F.	coke	Remarks
SBR62-2506	520-530	78579	2.1	0.3	96.7	0.9	5.4	0.8	0.930	None	
SBR62-2507	530-540	78580	2.1	.3	96.9	.7	5.3	.7	.928	None	
SBR62-2508	540-550	78581	4.3	.4	94.0	1.3	11.2	.8	.928	None	
SBR62-2509	550-560	78582	3.4	.4	95.5	.7	8.8	1.0	.927	None	
SBR62-2510	560-570	78583	3.5	.3	95.3	.9	9.1	.7	.928	None	
SBR62-2511	570-580	78584	4.1	.4	94.9	.6	10.5	.8	.938	Slight	
SBR62-2512	580-590	78585	4.2	.2	94.9	.7	10.6	.6	.938	None	
SBR62-2513	590-600	78586	4.0	.3	94.7	1.0	10.3	.7	.939	None	
SBR62-2514	600-610	78587	4.0	.4	94.5	1.1	10.3	.8	.939	None	
SBR62-2515	610-620	78588	9.1	.6	88.4	1.9	23.6	1.4	.921	Slight	
SBR62-2516	620-630	78589	3.7	.4	94.9	1.0	9.6	1.0	.922	Slight	
SBR62-2517	630-640	78590	10.2	.4	87.2	2.2	26.6	1.0	.922	Slight	
SBR62-2518	640-650	78591	3.3	.3	95.4	1.0	8.5	.7	.921	None	
SBR62-2519	650-660	78592	2.9	2.4	93.6	1.1	7.4	5.8	.925	None	
SBR62-2520	660-670	78593	4.0	.6	94.7	.7	10.4	1.4	.925	None	
SBR62-2521	670-680	78594	3.9	.2	95.2	.7	10.0	.5	.925	None	
SBR62-2522	680-690	78595	3.5	.3	95.3	.9	9.0	.7	.925	None	
SBR62-2523	690-700	78596	3.7	.2	95.1	1.0	9.6	.5	.931	None	
SBR62-2524	700-710	78597	3.8	.2	95.0	1.0	9.7	.6	.931	None	
SBR62-2525	710-720	78598	5.9	.4	92.4	1.3	15.1	1.0	.932	None	
SBR62-2526	720-730	78599	5.0	.3	93.5	1.2	12.9	.6	.932	None	
SBR62-2527	730-740	78600	4.9	.2	94.0	.9	12.6	.5	.929	None	
SBR62-2528	740-750	78601	5.1	.4	93.5	1.0	13.0	1.1	.930	None	
SBR62-2529	750-760	78602	4.2	.5	94.2	1.1	10.9	1.2	.929	None	
SBR62-2530	760-770	78603	7.5	.5	90.2	1.8	19.2	1.2	.930	None	
SBR62-2531	770-780	78604	6.4	.5	91.4	1.7	16.4	1.3	.932	None	
SBR62-2532	780-790	78605	4.8	.7	93.2	1.3	12.2	1.8	.932	None	
SBR62-2533	790-800	78606	9.1	.8	88.0	2.1	23.4	1.8	.933	None	
SBR62-2534	800-810	78617	7.4	.6	90.2	1.8	19.0	1.6	.933	None	
SBR62-2535	810-820	78618	8.8	.8	88.5	1.9	22.6	1.9	.933	None	

Drill cutting samples received December 22, 1961; assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-3556P, Sheet No. 2 of 9 sheets February 27, 1962

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's Southman Canyon Unit Well No. 7 (Con.)

Derrick floor elevation 4,942 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal. per ton				
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil	Water	of oil at 60°/60° F.	Tendency to coke	Remarks
SBR62-2536	820- 830	78619	8.8	0.8	88.4	2.0	22.9	2.0	0.920	None	
SBR62-2537	830- 840	78620	8.5	.8	89.0	1.7	22.2	1.9	.918	None	
SBR62-2538	840- 850	78621	8.7	.8	88.9	1.6	22.8	1.8	.915	None	
SBR62-2539	850- 860	78622	14.7	.9	81.8	2.6	38.0	2.0	.929	Slight	
SBR62-2540	860- 870	78623	14.7	.8	81.4	3.1	38.2	1.9	.924	Slight	
SBR62-2541	870- 880	78624	10.4	.7	86.6	2.3	26.9	1.8	.925	None	
SBR62-2542	880- 890	78625	10.7	.8	86.0	2.5	27.9	1.8	.919	None	
SBR62-2543	900- 910 10'	78626	4.4	.5	94.0	1.1	11.3	1.1	.926	None	
SBR62-2544	910- 920	78627	5.2	.2	93.4	1.2	13.3	.5	.929	None	
SBR62-2545	930- 940 10'	78628	5.7	.4	92.2	1.7	14.8	1.0	.927	None	
SBR62-2546	940- 950	78629	5.0	.3	93.6	1.1	12.9	.6	.925	None	
SBR62-2547	950- 960	78630	7.0	1.4	89.4	2.2	18.1	3.4	.925	None	
SBR62-2548	960- 970	78631	5.8	.5	92.8	.9	14.9	1.2	.925	None	
SBR62-2549	970- 980	78632	12.8	.5	85.0	1.7	33.2	1.2	.923	None	
SBR62-2550	980- 990	78633	6.5	.2	91.4	1.9	17.0a	.6		None	
SBR62-2551	990-1000	78634	10.6	.4	86.3	2.7	27.6	.9	.916	None	
SBR62-2552	1000-1010	78635	9.1	.1	88.5	2.3	23.6	.4	.922	None	
SBR62-2553	1010-1020	78636	8.0	.7	90.0	1.3	20.8a	1.6		None	
SBR62-2554	1020-1030						Assay				
SBR62-2555	1030-1040	78637	6.4	.3	91.7	1.6	16.7	.6	.922	None	
SBR62-2556	1040-1050	78638	7.7	.3	90.3	1.7	20.0	.7	.925	None	
SBR62-2557	1050-1060	78639	6.7	.4	91.5	1.4	17.4	1.1	.919	None	
SBR62-2558	1060-1070	78640	6.3	.5	91.6	1.6	16.6	1.1	.918	None	
SBR62-2559	1070-1080	78641	5.9	.6	91.7	1.8	15.6	1.4	.914	None	
SBR62-2560	1080-1090	78642	6.0	.5	92.3	1.2	15.7	1.2	.916	None	
SBR62-2561	1090-1100	78643	6.2	.5	91.7	1.6	16.1	1.2	.915	None	
SBR62-2562	1100-1110	78644	6.1	.7	91.5	1.7	15.9	1.8	.915	None	
SBR62-2563	1110-1120	78645	5.0	.6	93.0	1.4	13.0	1.4	.919	None	
SBR62-2564	1120-1130	78646	5.3	.5	92.6	1.6	13.8	1.2	.916	None	
SBR62-2565	1130-1140	78647	5.7	.7	91.7	1.9	15.0	1.7	.915	None	

See footnotes at end of table.

Drill cutting samples received December 22, 1961; assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-3556P, Sheet No. 3 of 9 sheets February 27, 1962

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's Southman Canyon Unit Well No. 7 (Con.)

Derrick floor elevation 4,942 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal. per ton		of oil at	Tendency to	
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil	Water	60°/60° F	coke	Remarks
SBR62-2566	1140-1150	78648	5.3	0.4	92.7	1.6	13.9	1.0	0.916	None	
SBR62-2567	1150-1160	78649	5.1	.9	92.4	1.6	13.3	2.2	.915	None	
SBR62-2568	1160-1170	78650	6.6	.7	90.7	2.0	17.5	1.7	.912	None	
SBR62-2569	1170-1180	78651	5.9	.9	91.4	1.8	15.6	2.2	.913	None	
SBR62-2570	1180-1190	78652	5.9	.8	91.2	2.1	15.5	1.9	.913	None	
SBR62-2571	1190-1200	78653	5.1	.8	93.0	1.1	13.3	2.0	.912	None	
SBR62-2572	1200-1210	78654	5.1	.9	92.7	1.3	13.3	2.2	.917	None	
SBR62-2573	1210-1220	78655	4.7	.8	93.5	1.0	12.3	2.0	.916	None	
SBR62-2574	1220-1230	78656	5.2	.9	92.7	1.2	13.7	2.0	.917	None	
SBR62-2575	1230-1240	78657	5.3	1.0	92.6	1.1	13.8	2.4	.916	None	
SBR62-2576	1240-1250	78658	3.0	1.3	94.8	.9	7.7	3.1	.917	None	
SBR62-2577	1250-1260	78659	4.2	.9	93.8	1.1	10.9	2.3	.916	None	
SBR62-2578	1260-1270	78660	4.0	1.1	94.0	.9	10.6	2.5	.916	None	
SBR62-2579	1270-1280	78661	4.0	1.1	93.7	1.2	10.4	2.6	.917	None	
SBR62-2580	1280-1290	78662	4.4	.9	93.5	1.2	11.5	2.0	.919	None	
SBR62-2581	1290-1300	78663	4.4	1.1	93.3	1.2	11.5	2.6	.920	None	
SBR62-2582	1300-1310	78664	4.1	1.3	93.6	1.0	10.6	3.1	.919	None	
SBR62-2583	1310-1320	78669	4.2	1.3	93.2	1.3	10.9	3.1	.921	Slight	
SBR62-2584	1320-1330	78670	3.3	1.3	94.6	.8	8.6	3.1	.921	None	
SBR62-2585	1330-1340	78671	2.8	1.2	94.9	1.1	7.2	2.9	.921	None	
SBR62-2586	1340-1350	78672	2.8	1.5	94.7	1.0	7.2	3.6	.921	None	
SBR62-2587	1350-1360	78673	2.5	1.1	95.5	.9	6.6	2.6	.916	None	
SBR62-2588	1360-1370	78674	2.5	1.0	95.5	1.0	6.5	2.4	.916	None	
SBR62-2589	1370-1380	78675	2.2	1.0	96.3	.5	5.7	2.4	.917	None	
SBR62-2590	1380-1390	78676	2.6	1.1	95.6	.7	6.8	2.6	.916	None	
SBR62-2591	1390-1400	78677	2.1	1.5	95.8	.6	5.4	3.6	.916	None	
SBR62-2592	1400-1410	78678	2.8	1.6	94.9	.7	7.2a	3.9		None	
SBR62-2593	1410-1420	78679	5.9	1.6	90.8	1.7	15.5	3.7	.916	None	
SBR62-2594	1420-1430	78680	4.4	1.3	92.5	1.8	11.5	3.1	.916	None	
SBR62-2595	1430-1440	78681	4.0	1.7	93.0	1.3	10.4	4.1	.917	None	

See footnotes at end of table.

Drill cutting samples received December 22, 1961; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's Southman Canyon Unit Well No. 7 (Con.)

Derrick floor elevation 4,942 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal. per ton		of oil at	Tendency to	
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil	Water	60°/60° F.	coke	Remarks
SBR62-2596	1440-1450	78682	4.1	1.7	92.5	1.7	10.7	4.1	0.917	None	
SBR62-2597	1450-1460	78683	7.0	1.5	89.3	2.2	18.3	3.6	.916	None	
SBR62-2598	1460-1470	78684	4.1	1.4	93.4	1.1	10.7	3.4	.915	None	
SBR62-2599	1470-1480	78685	1.7	1.5	96.0	.8	4.4a	3.6		None	
SBR62-2600	1480-1490	78686	2.1	1.4	95.7	.8	5.5a	3.4		None	
SBR62-2601	1490-1500	78687	2.8	1.8	94.4	1.0	7.5	4.2	.915	None	
SBR62-2602	1500-1510	78688	2.4	2.1	94.8	.7	6.2	5.0	.916	None	
SBR62-2603	1510-1520	78689	4.0	2.2	92.4	1.4	10.5	5.2	.917	None	
SBR62-2604	1520-1530	78690	3.4	2.0	93.6	1.0	8.8	4.8	.915	None	
SBR62-2605	1530-1540	78691	3.2	1.7	93.8	1.3	8.5	4.1	.910	None	
SBR62-2606	1540-1550	78692	4.8	1.5	92.2	1.5	12.7	3.6	.914	None	
SBR62-2607	1550-1560	78693	4.6	1.7	92.2	1.5	12.0	4.1	.917	None	
SBR62-2608	1560-1570						b				
SBR62-2609	1570-1580	78694	1.8	1.7	95.3	1.2	4.7a	4.0		None	
SBR62-2610	1580-1590	78695	1.2	2.5	94.4	1.9	3.0a	6.0		None	
SBR62-2611	1590-1600	78696	3.5	1.3	94.0	1.2	9.3	3.1	.907	None	
SBR62-2612	1600-1610	78697	2.6	1.4	94.7	1.3	6.7	3.4	.919	None	
SBR62-2613	1610-1620	78698	3.9	1.9	92.3	1.9	10.0	4.6	.923	None	
SBR62-2614	1620-1630	78699	3.0	2.7	91.1	3.2	7.9a	6.4		None	
SBR62-2615	1630-1640	78700	2.5	1.3	94.7	1.5	6.7	3.1	.914	None	
SBR62-2616	1640-1650	78701	1.9	1.9	95.1	1.1	5.0a	4.5		None	
SBR62-2617	1650-1660	78702	1.9	1.6	95.4	1.1	4.9a	3.8		None	
SBR62-2618	1660-1670	78703	1.5	1.0	97.1	.4	3.8a	2.4		None	
SBR62-2619-20	1670-1690						c				
SBR62-2621	1700-1710	78704	2.1	1.6	95.8	.5	5.4a	3.8		None	
SBR62-2622	1710-1720	78705	2.0	1.5	95.9	.6	5.3a	3.6		None	
SBR62-2623	1720-1730	78706	2.0	1.6	95.8	.6	5.2a	3.8		None	
SBR62-2624-28	1730-1780						c				
SBR62-2629	1780-1790						b				
SBR62-2630	1790-1800	78707	.8	1.4	97.2	.6	2.2a	3.4		None	

See footnotes at end of table.

Drill cutting samples received December 22, 1961; assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-3556P, Sheet No. 5 of 9 sheets February 27, 1962

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's Southman Canyon Unit Well No. 7 (Con.)

Derrick floor elevation 4,942 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal. per ton		of oil at	Tendency to	
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil	Water	60°/60° F.	coke	Remarks
SBR62-2631	1800-1810	78708	0.9	1.2	97.7	0.2	2.3a	2.9		None	
SBR62-2632	1810-1820	78709	1.2	1.4	97.1	.3	3.1a	3.4		None	
SBR62-2633	1820-1830	78710	1.0	1.6	96.9	.5	2.7a	3.8		None	
SBR62-2634-38	1840-1890						c				
SBR62-2639	1890-1900						b				
SBR62-2640-41	1910-1930						No oil				
SBR62-2642-44	1930-1960						Trace				
SBR62-2645	1960-1970						c				
SBR62-2646	1970-1980	78711	.7	2.1	96.2	1.0	1.8a	5.1		None	
SBR62-2647	1980-1990	78712	2.8	2.2	94.2	.8	7.5	5.3	0.913	None	
SBR62-2648	1990-2000	78713	3.3	2.0	93.6	1.1	8.7	4.8	.913	None	
SBR62-2649	2000-2010						b				
SBR62-2650	2010-2020	78714	2.9	2.9	92.9	1.3	7.6	7.0	.905	None	
SBR62-2651	2020-2030	78715	2.6	1.8	94.8	.8	6.7	4.3	.913	None	
SBR62-2652	2030-2040	78716	1.5	2.0	95.6	.9	3.9a	4.8		None	
SBR62-2653	2040-2050	78717	9.1	3.0	85.4	2.5	24.0	7.2	.912	None	
SBR62-2654	2050-2060	78718	2.3	2.1	94.5	1.1	6.0	5.0	.911	None	
SBR62-2655	2060-2070	78719	2.1	1.8	94.5	1.6	5.6a	4.3		None	
SBR62-2656	2070-2080	78720	1.6	2.0	95.0	1.4	4.0a	4.8		None	
SBR62-2657	2080-2090						c				
SBR62-2658	2090-2100	78721	1.7	2.2	95.1	1.0	4.3a	5.3		None	
SBR62-2659	2100-2110	78722	1.4	2.1	95.4	1.1	3.5a	5.0		None	
SBR62-2660	2110-2120	78723	1.3	2.3	94.9	1.5	3.4a	5.5		None	
SBR62-2661	2120-2130	78724	1.5	1.8	95.5	1.2	4.0a	4.3		None	
SBR62-2662	2130-2140						c				
SBR62-2663	2140-2150	78725	1.5	2.5	94.8	1.2	3.8a	6.0		None	
SBR62-2664	2150-2160	78726	1.8	1.6	96.0	.6	4.8a	3.8		None	
SBR62-2665	2160-2170	78727	1.7	1.8	95.7	.8	4.4a	4.4		None	
SBR62-2666	2170-2180	78728	1.6	1.6	95.9	.9	4.1a	3.8		None	
SBR62-2667	2180-2190	78729	1.5	2.0	95.5	1.0	3.9a	4.8		None	

See footnotes at end of table.

Drill cutting samples received December 22, 1961; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's Southman Canyon Unit Well No. 7 (Con.)

Derrick floor elevation 4,942 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal. per ton		of oil at	Tendency to	
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil	Water	60°/60° F.	coke	Remarks
SBR62-2668	2190-2200	78730	1.5	1.8	95.7	1.0	3.9a	4.4		None	
SBR62-2669	2200-2210	78731	1.4	1.6	95.9	1.1	3.5a	3.9		None	
SBR62-2670	2210-2220	78732	1.2	1.8	96.0	1.0	3.2a	4.3		None	
SBR62-2671	2220-2230	78733	2.0	1.3	95.8	.9	5.2a	3.1		None	
SBR62-2672	2230-2240	78734	2.3	1.3	95.4	1.0	6.0a	3.1		None	
SBR62-2673	2240-2250						b				
SBR62-2674	2250-2260	78735	1.7	1.4	96.0	.9	4.5a	3.4		None	
SBR62-2675	2260-2270						Trace				
SBR62-2676-77	2270-2290						c				
SBR62-2678	2290-2300						b				
SBR62-2679	2300-2310						Trace				
SBR62-2680-81	2320-2340						No oil				
SBR62-2682	2340-2350						Trace				
SBR62-2683	2350-2360						b				
SBR62-2684-85	2360-2380						Trace				
SBR62-2686	2380-2390						No oil				
SBR62-2687	2390-2400	78736	3.2	1.6	94.3	.9	8.4	3.8	0.923	None	
SBR62-2688	2410-2420	78737	1.5	2.0	95.7	.8	3.9a	4.8		None	
SBR62-2689	2420-2430	78738	1.9	1.5	95.8	.8	5.0a	3.6		None	
SBR62-2690	2430-2440						b				
SBR62-2691	2440-2450						No oil				
SBR62-2692-95	2450-2490						Trace				
SBR62-2696	2500-2510	78739	5.0	1.7	92.1	1.2	13.4	4.1	.899	None	
SBR62-2697	2510-2520	78740	2.0	2.0	95.1	.9	5.2a	4.8		None	
SBR62-2698-99	2520-2540						Trace				
SBR62-2700-01	2540-2560						No oil				
SBR62-2702	2560-2570						b				
SBR62-2703	2570-2580						c				
SBR62-2704	2580-2590						b				
SBR62-2705-07	2590-2620						Trace				

See footnotes at end of table.

Drill cutting samples received December 22, 1961; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's Southman Canyon Unit Well No. 7 (Con.)

Derrick floor elevation 4,942 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal. per ton		of oil at	Tendency to	
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil	Water	60°/60° F.	coke	Remarks
SBR62-2708	2620-2630						b				
SBR62-2709	2630-2640	78741	4.3	1.9	92.5	1.3	11.6	4.6	0.882	None	
SBR62-2710	2640-2650	78742	6.6	2.0	89.9	1.5	17.5	4.8	.899	None	
SBR62-2711	2650-2660	78743	5.5	2.1	90.9	1.5	14.9	5.0	.884	None	
SBR62-2712	2660-2670	78744	4.8	2.3	91.6	1.3	12.9	5.5	.886	None	
SBR62-2713	2670-2680	78745	4.5	2.1	92.0	1.4	12.1	5.0	.884	None	
SBR62-2714	2680-2690	78746	2.4	2.1	94.3	1.2	6.5	5.0	.880	None	
SBR62-2715	2690-2700	78747	3.1	2.3	93.4	1.2	8.3	5.5	.885	None	
SBR62-2716	2700-2710	78748	3.9	2.0	92.9	1.2	10.6	4.8	.889	None	
SBR62-2717	2710-2720	78749	3.9	1.9	93.3	.9	10.5	4.6	.893	None	
SBR62-2718	2720-2730	78750	4.2	1.9	93.0	.9	11.2	4.6	.894	None	
SBR62-2719	2730-2740	78751	2.2	1.2	96.0	.6	5.9	2.9	.893	None	
SBR62-2720	2740-2750						b				
SBR62-2721	2750-2760	78752	.9	1.2	97.6	.3	2.3a	2.9		None	
SBR62-2722	2760-2770	78753	2.3	1.6	95.5	.6	6.1	3.8	.891	None	
SBR62-2723	2770-2780	78754	1.4	1.9	96.2	.5	3.6a	4.6		None	
SBR62-2724	2780-2790	78755	1.6	1.7	96.0	.7	4.1a	4.1		None	
SBR62-2725	2790-2800	78756	4.5	3.0	90.3	2.2	11.1	7.2	.978	None	
SBR62-2726-27	2800-2820						b				
SBR62-2728-30	2820-2850						Trace				
SBR62-2731	2850-2860	78757	2.0	1.7	95.3	1.0	5.3a	4.1		None	
SBR62-2732	2860-2870	78758	1.7	2.1	95.1	1.1	4.5a	5.0		None	
SBR62-2733	2870-2880						b				
SBR62-2734	2880-2890	78759	10.0	6.0	78.6	5.4	24.6	14.4	.978	Heavy	
SBR62-2735	2890-2900	78760	2.5	1.8	94.5	1.2	6.2	4.3	.952	None	
SBR62-2736	2900-2910						c				
SBR62-2737	2910-2920						b				
SBR62-2738	2920-2930						Trace				
SBR62-2739-40	2930-2950						b				
SBR62-2741	2970-2980	78761	1.9	1.8	94.7	1.6	5.0a	4.3		None	

See footnotes at end of table.

Drill cutting samples received December 22, 1961; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's Southman Canyon Unit Well No. 7 (Con.)

Derrick floor elevation 4,942 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal. per ton		of oil at	Tendency to	
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil	Water	60°/60° F.	coke	Remarks
SBR62-2742	2980-2990	78762	3.3	2.3	92.3	2.1	8.6a	5.6		None	
SBR62-2743	2990-3000	78763	1.7	1.8	94.8	1.7	4.4a	4.2		None	
SBR62-2744	3020-3030	78764	2.3	1.5	94.9	1.3	6.2	3.6	0.887	None	
SBR62-2745	3030-3040	78765	1.8	1.8	95.1	1.3	4.7a	4.3		None	
SBR62-2746	3040-3050	78766	1.9	1.7	94.9	1.5	5.0a	4.1		None	
SBR62-2747	3066-3070	78767	1.7	2.5	94.0	1.8	4.5a	6.0		None	
SBR62-2748	3070-3080	78768	2.9	2.1	93.0	2.0	7.9	5.0	.887	None	
SBR62-2749	3080-3090	78769	2.5	1.7	94.2	1.6	6.3	4.1	.878	None	
SBR62-2750	3090-3100	78770	3.1	1.7	93.6	1.6	8.5	4.1	.869	None	
SBR62-2751	3100-3110						b				
SBR62-2752	3110-3120						c				
SBR62-2753-55	3120-3190						Trace				

a - Specific gravity estimated due to insufficient oil.
b - Less than 1.0 gallon of oil per ton of shale.
c - More than 1.0 but less than 3.0 gallons of oil per ton of shale.
Assay - Sample contained more than 3.0 gallons of oil per ton of shale.

Drill cutting samples received December 22, 1961; assays made on air-dried samples