

123' of 30
175' of 25
570' of 15

UE-6

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from DeKalb Agricultural Association's Ute Trail Unit Well No. 14 drilled in
SE 1/4, SW 1/4, NE 1/4 1,996 feet and 1,335 feet W/E of sec. 13, T. 10S., R. 22E., Uintah County, Utah

Derrick floor elevation 5,309 feet

Sample number		Run No.	Yield of product				Gal. per ton		Specific gravity of oil at 60°/60° F.	Properties of spent shale	Remarks
Laramie	Their		Oil	Water	Spent shale	Gas + loss	Oil	Water		Tendency to coke	
SBR62-619	1000-1010						No oil				
SBR62-620-22	1010-1040						Trace				
SBR62-623	1040-1050						No oil				
SBR62-624-27	1050-1090						1.0B				
SBR62-628-29	1090-1110						2.0C				
SBR62-630-33	1110-1150						Trace				
SBR62-634	1160-1170	77842	1.6	0.6	97.4	0.4	4.1a	1.4		None	
SBR62-635	1170-1180	77843	2.0	.8	96.8	.4	5.1a	1.9		None	
SBR62-636	1180-1190	77844	1.6	2.0	95.8	.6	4.2a	4.8		None	
SBR62-637	1190-1200	77845	2.8	.9	95.7	.6	7.5	2.2	0.896	None	
SBR62-638	1200-1210	77846	2.2	.7	96.5	.6	5.7	1.8	.914	None	
SBR62-639	1210-1220	77847	2.8	.8	96.0	.4	7.5	1.8	.909	None	
SBR62-640	1220-1230	77848	2.2	.8	96.0	1.0	5.6	2.0	.922	None	
SBR62-641	1230-1240	77849	2.1	1.0	96.3	.6	5.5	2.4	.931	None	
SBR62-642	1240-1250	77850	3.5	.8	94.5	1.2	9.1	1.9	.919	None	
SBR62-643	1250-1260	77851	2.5	1.5	94.9	1.1	6.5	3.6	.942	None	
SBR62-644	1260-1270	77852	.6	.3	98.7	.4	1.5a	.7		None	
SBR62-645	1270-1280	77853	1.5	.2	98.0	.3	3.8a	.6		None	
SBR62-646	1280-1290	77854	1.4	.3	98.0	.3	3.7a	.6		None	
SBR62-647	1290-1300	77855	2.4	.1	96.9	.6	6.2	.2	.925	None	
SBR62-648	1300-1310	77856	2.3	.2	96.9	.6	6.0	.5	.926	None	
SBR62-649	1310-1320	77857	2.4	.2	97.0	.4	6.2	.5	.929	None	
SBR62-650	1320-1330	77858	2.4	.2	97.0	.4	6.2	.6	.927	None	
SBR62-651	1330-1340	77859	2.3	.3	97.0	.4	5.9	.7	.926	None	
SBR62-652	1340-1350	77860	2.2	.3	96.9	.6	5.8	.6	.929	None	
SBR62-653	1350-1360	77861	2.3	.2	96.9	.6	5.9	.6	.929	None	
SBR62-654	1360-1370	77862	4.3	.3	94.8	.6	11.1	.7	.922	None	
SBR62-655	1370-1380	77863	2.7	8.0	88.0	1.3	7.0	19.2	.911	None	
SBR62-656	1380-1390	77864	2.5	1.3	95.3	.9	6.5	3.0	.918	None	
SBR62-657	1400-1410	77865	3.5	.2	95.4	.9	9.0	.6	.925	None	

See footnotes at end of table.

Drill cutting samples received November 17, 1961; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from DeKalb Agricultural Association's Ute Trail Unit Well No. 14 (Con.)

Derrick floor elevation 5,309 feet

			Yield of product						Specific gravity of oil at 60°/60° F.	Properties of spent shale Tendency to coke	Remarks
Sample number		Run No.	Weight percent		Spent shale	Gas + loss	Gal. per ton				
			Oil	Water			Oil	Water			
Laramie	Their										
SBR62-658	1410-1420	77866	3.6	0.2	95.3	0.9	9.5	0.5	0.921	None	
SBR62-659	1420-1430	77867	3.5	.1	95.7	.7	9.0	.4	.925	None	
SBR62-660	1430-1440	77868	3.6	.2	95.4	.8	9.3	.5	.929	None	
SBR62-661	1440-1450	77869	3.6	.1	95.0	1.3	9.3	.2	.931	None	
SBR62-662	1450-1460	77870	3.4	.6	94.8	1.2	8.7	1.4	.922	None	
SBR62-663	1460-1470	77871	2.9	2.6	93.3	1.2	7.5	6.2	.920	None	
SBR62-664	1470-1480	77872	3.9	3.0	91.3	1.8	10.2	7.2	.916	None	
SBR62-665	1480-1490	77873	3.3	6.0	89.1	1.6	8.6	14.4	.914	None	
SBR62-666	1490-1500	77874	3.5	6.2	88.7	1.6	9.2	15.0	.915	None	
SBR62-667	1500-1510	77875	5.3	2.1	91.3	1.3	13.7	5.1	.921	None	
SBR62-668	1510-1520	77876	4.5	1.0	92.7	1.8	11.8	2.5	.915	None	
SBR62-669	1520-1530	77877	3.3	.4	95.6	.7	8.5	1.1	.921	None	
SBR62-670	1530-1540	77878	4.2	1.0	93.7	1.1	10.8	2.4	.924	None	
SBR62-671	1540-1550	77879	3.3	1.9	93.5	1.3	8.5	4.6	.928	None	
SBR62-672	1550-1560	77880	2.6	.5	96.0	.9	6.7	1.3	.917	None	
SBR62-673	1560-1570	77881	5.5	.4	93.0	1.1	14.3	.8	.923	None	
SBR62-674	1570-1580	77882	5.2	.4	93.2	1.2	13.6	.8	.920	None	
SBR62-675	1580-1590	77883	5.2	.4	93.2	1.2	13.6	1.0	.919	None	
SBR62-676	1590-1600	77884	5.7	1.0	91.9	1.4	14.7	2.4	.923	None	
SBR62-677	1600-1610	77885	5.8	.4	92.3	1.5	15.3	1.0	.911	None	
SBR62-678	1610-1620	77886	6.2	.4	92.0	1.4	16.3	1.0	.916	None	
SBR62-679	1620-1630	77887	6.0	.2	92.5	1.3	15.5	.6	.923	None	
SBR62-680	1630-1640	77888	5.9	.3	92.8	1.0	15.3	.6	.924	None	
SBR62-681	1640-1650	77889	4.4	.5	94.0	1.1	11.3	1.2	.924	None	
SBR62-682	1650-1660	77890	4.3	.5	94.0	1.2	11.2	1.2	.924	None	
SBR62-683	1660-1670	77891	8.2	.7	89.7	1.4	21.4	1.8	.918	None	
SBR62-684	1670-1680	77892	4.9	.6	93.5	1.0	12.8	1.4	.919	None	
SBR62-685	1680-1690	77893	4.8	.2	93.6	1.4	12.6	.6	.914	None	
SBR62-686	1690-1700	77894	5.0	.4	93.6	1.0	13.1	1.0	.908	None	
SBR62-687	1700-1710	77895	3.8	.5	94.9	.8	9.9	1.2	.917	None	

See footnotes at end of table.

Drill cutting samples received November 17, 1961; assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-3550P, Sheet No. 2 of 7 sheets February 2, 1962

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from DeKalb Agricultural Association's Ute Trail Unit Well No. 14 (Con.)

Derrick floor elevation 5,309 feet

			Yield of product						Specific gravity of oil at 60°/60° F.	Properties of spent shale		Remarks
Sample number		Run No.	Weight percent		Spent shale	Gas + loss	Gal. per ton			Tendency to		
Laramie	Their		Oil	Water			Oil	Water				
SBR62-688	1710-1720	77896	4.1	0.2	94.6	1.1	10.7	0.6	0.916	None		
SBR62-689	1720-1730	77897	6.1	.6	92.0	1.3	15.9	1.4	.917	None		
SBR62-690	1730-1740	77898	5.1	.3	93.7	.9	13.4	.6	.917	None		
SBR62-691	1740-1750	77899	5.0	.3	93.6	1.1	13.0	.7	.917	None		
SBR62-692	1750-1760	77900	5.0	.2	93.8	1.0	13.0	.6	.916	None		
SBR62-693	1760-1770	77901	3.9	.8	94.2	1.1	10.1	1.9	.920	None		
SBR62-694	1770-1780	77902	3.9	.8	94.1	1.2	10.0	2.0	.919	None		
SBR62-695	1780-1790	77903	12.8	.5	84.1	2.6	33.6	1.2	.913	None		
SBR62-696	1790-1800	77904	12.7	.4	84.4	2.5	33.4	1.0	.912	None		
SBR62-697	1800-1810	77905	22.1	.5	73.4	4.0	58.5	1.2	.905	Heavy		
SBR62-698	1810-1820	77906	16.7	.5	79.6	3.2	44.4	1.2	.904	Medium		
SBR62-699	1820-1830	77907	14.9	.3	82.0	2.8	39.5	.8	.902	Slight		
SBR62-700	1830-1840	77908	15.0	.3	81.7	3.0	39.8	.7	.903	Medium		
SBR62-701	1840-1850	77909	11.6	.3	86.0	2.1	31.1	.7	.896	None		
SBR62-702	1850-1860	77910	8.0	.4	90.0	1.6	21.3	.8	.902	None		
SBR62-703	1860-1870	77911	8.2	.4	89.7	1.7	21.7	1.0	.907	None		
SBR62-704	1870-1880	77912	8.1	.4	90.0	1.5	21.2	1.0	.912	None		
SBR62-705	1880-1890	77913	2.2	.3	97.0	.5	5.7a	.7		None		
SBR62-706	1890-1900	77914	2.2	.3	96.7	.8	5.6a	.7		None		
SBR62-707	1900-1910	77915	1.2	.2	98.2	.4	3.0a	.6		None		
SBR62-708	1910-1920	77916	1.2	.5	97.9	.4	3.2a	1.2		None		
SBR62-709	1920-1930	77917	1.3	.3	97.9	.5	3.3a	.7		None		
SBR62-710	1930-1940	77918	.6	.6	98.3	.5	1.7a	1.4		None		
SBR62-711	1940-1950	77919	.7	.6	98.5	.2	1.7a	1.4		None		
SBR62-712	1950-1960	77920	5.9	.3	92.0	1.8	15.5	.7	.911	None		
SBR62-713	1960-1970	77921	6.1	.6	92.0	1.3	16.1	1.4	.903	None		
SBR62-714	1970-1980	77922	4.8	.6	93.3	1.3	12.6	1.4	.904	None		
SBR62-715	1980-1990	77923	4.9	.5	93.2	1.4	12.9	1.2	.901	None		
SBR62-716	2000-2010	77924	5.2	.8	92.7	1.3	13.6	1.9	.910	None		
SBR62-717	2010-2020	77925	5.6	.8	92.4	1.2	14.5	2.0	.915	None		

See footnotes at end of table.

Drill cutting samples received November 17, 1961; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from DeKalb Agricultural Association's Ute Trail Unit Well No. 14 (Con.)

Derrick floor elevation 5,309 feet

Sample number		Run No.	Yield of product				Specific gravity		Properties of spent shale		Remarks	
			Weight percent		Spent shale	Gas + loss	Gal. per ton		of oil at 60°/60° F.	Tendency to coke		
Laramie	Thier		Oil	Water							Oil	Water
SBR62-718	2020-2030	77926	5.6	0.8	92.6	1.0	14.6	1.9	0.914		None	
SBR62-719	2030-2040	77927	2.0	1.5	95.4	1.1	5.1a	3.6			None	
SBR62-720	2040-2050	77928	2.0	1.6	95.3	1.1	5.3a	3.8			None	
SBR62-721	2050-2060	77929	2.0	1.6	95.3	1.1	5.2a	3.7			None	
SBR62-722	2060-2070	77930	1.9	1.7	95.4	1.0	5.1a	4.1			None	
SBR62-723	2070-2080	77931	2.8	1.3	94.7	1.2	7.5	3.1	.911		None	
SBR62-724	2080-2090	77932	2.7	1.4	95.0	.9	6.9	3.4	.922		None	
SBR62-725	2090-2100	77933	3.6	1.7	93.4	1.3	9.5	4.1	.914		None	
SBR62-726	2100-2110	77934	3.3	1.6	93.5	1.6	8.5	3.8	.919		None	
SBR62-727	2110-2120	77935	4.1	1.4	93.5	1.0	11.0	3.4	.906		None	
SBR62-728	2120-2130	77936	5.3	2.3	91.0	1.4	13.9	5.4	.915		None	
SBR62-729	2130-2140	77937	5.6	2.3	90.5	1.6	14.6	5.5	.916		None	
SBR62-730	2140-2150	77938	3.1	1.4	94.5	1.0	8.2	3.4	.909		None	
SBR62-731	2150-2160	77939	3.2	.8	95.0	1.0	8.5	1.9	.904		None	
SBR62-732	2160-2170	77940	3.2	.8	95.0	1.0	8.6	1.9	.905		None	
SBR62-733	2170-2180	77941	3.1	.8	95.0	1.1	8.3	1.9	.905		None	
SBR62-734	2180-2190	77942	2.9	1.1	95.0	1.0	7.6	2.6	.904		None	
SBR62-735	2190-2200	77943	1.5	.6	97.0	.9	4.0a	1.4			None	
SBR62-736	2200-2210	77944	1.8	.4	96.9	.9	4.8a	1.0			None	
SBR62-737	2210-2220	77945	7.0	1.7	89.7	1.6	18.6	4.0	.906		None	
SBR62-738	2230-2240	77946	4.9	1.5	92.1	1.5	13.1	3.6	.907		None	
SBR62-739-43	2240-2290						Trace					
SBR62-744-46	2290-2320						1.0B					
SBR62-747	2320-2330	77947	.8	1.7	96.9	.6	2.1a	4.0			None	
SBR62-748	2330-2340	77948	.6	1.8	97.0	.6	1.6a	4.3			None	
SBR62-749-51	2340-2370						3.0c					
SBR62-752	2370-2380						1.0B					
SBR62-753	2380-2390						Trace					
SBR62-754	2390-2400						3.0c					
SBR62-755	2400-2410	77949	2.6	1.5	95.0	.9	7.0	3.6	.896		None	

See footnotes at end of table.

Drill cutting samples received November 17, 1961; assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-3550P, Sheet No. 4 of 7 sheets February 2, 1962

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from DeKalb Agricultural Association's Ute Trail Unit Well No. 14 (Con.)

Derrick floor elevation 5,309 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		Tendency to coke		
			Oil	Water			Oil	Water			
SBR62-756	2410-2420	77950	2.8	1.5	94.7	1.0	7.6	3.6	0.896	None	
SBR62-757	2420-2430	77951	2.8	1.4	94.9	.9	7.5	3.4	.897	None	
SBR62-758	2430-2440	77952	2.5	1.4	95.2	.9	6.7	3.4	.899	None	
SBR62-759	2440-2450	77953	2.5	1.3	95.2	1.0	6.7	3.1	.896	None	
SBR62-760	2450-2460	77954	4.0	1.7	93.0	1.3	10.4	4.1	.910	None	
SBR62-761	2460-2470	77955	3.4	1.5	94.1	1.0	9.1	3.5	.908	None	
SBR62-762	2470-2480	77956	1.2	1.7	96.5	.6	3.0a	4.2		None	
SBR62-763	2480-2490	77957	1.4	1.7	96.0	.9	3.6a	4.1		None	
SBR62-764	2490-2500	77958	.9	1.6	96.9	.6	2.2a	3.8		None	
SBR62-765	2500-2510	77971	1.0	1.5	97.2	.3	2.5a	3.6		None	
SBR62-766	2510-2520	77972	.9	1.6	97.1	.4	2.4a	3.8		None	
SBR62-767	2520-2530						1.0B				
SBR62-768	2530-2540						Trace				
SBR62-769	2540-2550	77973	1.6	1.8	96.0	.6	4.1a	4.3		None	
SBR62-770-72	2550-2580						1.0B				
SBR62-773	2580-2590	77974	.8	1.8	96.9	.5	2.1a	4.3		None	
SBR62-774	2590-2600	77975	.9	1.8	96.9	.4	2.3a	4.3		None	
SBR62-775	2600-2610	77976	.2	2.0	97.0	.8	.6a	4.7		None	
SBR62-776	2610-2620	77977	.5	1.8	97.1	.6	1.4a	4.3		None	
SBR62-777	2620-2630	77978	.5	1.8	97.1	.6	1.2a	4.3		None	
SBR62-778	2630-2640	77979	.5	1.9	97.0	.6	1.4a	4.4		None	
SBR62-779-80	2640-2660						1.0B				
SBR62-781-90	2660-2760						Trace				
SBR62-791	2760-2770						1.0B				
SBR62-792	2770-2780	77980	.4	.7	98.6	.3	1.0a	1.8		None	
SBR62-793	2780-2790	77981	.4	.7	98.4	.5	.9a	1.7		None	
SBR62-794	2790-2800	77982	.2	1.6	97.4	.8	.5a	4.0		None	
SBR62-795-98	2800-2840						1.0B				
SBR62-799	2840-2850	77983	.7	1.8	96.3	1.2	1.7a	4.3		None	
SBR62-800-01	2850-2870						1.0B				

See footnotes at end of table.

Drill cutting samples received November 17, 1961; assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-3550P, Sheet No. 5 of 7 sheets February 2, 1962

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from DeKalb Agricultural Association's Ute Trail Unit Well No. 14 (Con.)

Derrick floor elevation 5,039 feet

Sample number		Run No.	Yield of product				Specific gravity		Properties of		Remarks
			Weight percent		Spent shale	Gas + loss	Gal. per ton		of oil at	spent shale	
Laramie	Their		Oil	Water					Oil	Water	60°/60° F.
SBR62-802-06	2870-2920						Trace				
SBR62-807-08	2920-2940						No oil				
SBR62-809-13	2940-2990						Trace				
SBR62-814-16	2990-3020						No oil				
SBR62-817	3020-3030						Trace				
SBR62-818-19	3030-3050						3.0c				
SBR62-820-22	3050-3080						1.0B				
SBR62-823-24	3080-3100						Trace				
SBR62-825-26	3100-3120						No oil				
SBR62-827	3120-3130						Trace				
SBR62-828-31	3130-3170						No oil				
SBR62-832	3170-3180						Trace				
SBR62-833-34	3180-3200						No oil				
SBR62-835	3200-3210						1.0B				
SBR62-836	3210-3220	77984	0.1	1.0	98.8	0.1	.3a	2.3		None	
SBR62-837	3220-3230	77985	.1	.9	98.9	.1	.2a	2.3		None	
SBR62-838	3230-3240	77986	.1	.9	98.8	.2	.2a	2.2		None	
SBR62-839	3240-3250						Trace				
SBR62-840-44	3250-3300						No oil				
SBR62-845	3300-3310	77987	.8	1.4	97.3	.5	2.0a	3.5		None	
SBR62-846	3310-3320	77988	2.0	1.6	95.6	.8	5.6	3.8	0.881	None	
SBR62-847	3320-3330	77989	2.1	1.6	95.5	.8	5.6	3.8	.883	None	
SBR62-848	3330-3340	77990	2.4	1.4	95.4	.8	6.5	3.2	.883	None	
SBR62-849-54	3340-3400						Trace				
SBR62-855-58	3400-3440						No oil				
SBR62-859	3440-3450						3.0c				
SBR62-860	3450-3460						1.0B				
SBR62-861	3460-3470						Trace				
SBR62-862-65	3470-3510						No oil				
SBR62-866	2510-3520						1.0B				

See footnotes at end of table.

Drill cutting samples received November 17, 1961; assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-3550P, Sheet No. 6 of 7 sheets February 2, 1962

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from DeKalb Agricultural Association's Ute Trail Unit Well No. 14 (Con.)

Derrick floor elevation 5,309 feet

			Yield of product				Specific gravity of oil at 60°/60° F.		Properties of spent shale		
Sample number		Run	Weight percent		Spent	Gas +	Gal. per ton			Tendency to	
Laramie	Their	No.	Oil	Water	shale	loss	Oil	Water		coke	Remarks
SBR62-867	3520-3530	77991	2.0	1.4	95.8	0.8	5.2a	3.5		None	
SBR62-868	3530-3540	77992	1.1	1.6	96.3	1.0	2.8a	4.0		None	
SBR62-869	3540-3550	77993	3.9	1.5	93.2	1.4	10.6	3.7	0.881	None	
SBR62-870	3550-3560	77994	4.3	1.2	93.3	1.2	11.7	3.0	.882	None	
SBR62-871	3560-3570	77995	4.1	1.5	93.2	1.2	11.2	3.6	.880	None	
SBR62-872	3570-3580	77996	4.0	1.4	93.2	1.4	10.9	3.5	.881	None	
SBR62-873	3580-3590	77997	5.7	1.2	91.7	1.4	15.6	3.0	.875	None	
SBR62-874	3590-3600	77998	5.8	1.2	91.7	1.3	15.7	2.9	.879	None	
SBR62-875	3600-3610	77999	5.6	1.2	91.7	1.5	15.4	2.9	.879	None	
SBR62-876	3610-3620	78000	5.8	1.2	91.5	1.5	15.8	2.9	.879	None	
SBR62-877	3620-3630	78001	3.3	1.2	94.4	1.1	9.1	2.9	.876	None	
SBR62-878	3630-3640	78002	3.2	1.1	94.5	1.2	8.6	2.8	.886	None	
SBR62-879	3640-3650	78003	3.2	1.2	94.3	1.3	8.7	2.9	.884	None	
SBR62-880	3650-3660	78004	3.3	1.2	94.3	1.2	9.0	2.8	.882	None	
SBR62-881	3660-3670	78005	2.0	.8	96.5	.7	5.3a	1.9		None	
SBR62-882	3670-3680	78006	2.7	1.2	94.9	1.2	7.4	2.9	.881	None	
SBR62-883	3680-3690	78007	2.3	1.3	95.5	.9	6.2	3.1	.881	None	
SBR62-884	3690-3700	78008	1.6	1.3	96.2	.9	4.2a	3.1		None	
SBR62-885	3700-3710	78009	1.6	1.4	96.2	.8	4.0a	3.4		None	
SBR62-886	3710-3720	78010	1.0	1.8	96.4	.8	2.5a	4.3		None	
SBR62-887	3720-3730						b, bc				
SBR62-888	3730-3740	78011	1.2	1.7	96.3	.8	3.2a	4.1		None	
SBR62-889	3740-3750	78012	1.6	1.6	96.3	.5	4.2a	3.7		None	
SBR62-890	3750-3760						1.0 B				

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.

Drill cutting samples received November 17, 1961; assays made on air-dried samples

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