

UR 211 ✓

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from DeKalb Texaco's No. 3 Uintah Unit Well drilled in SW 1/4, NW 1/4, SE 1/4, and 1,873 feet N/S 2,283 feet W/E of sec. 12, T. 10S., R. 20 E., Uintah County, Utah

Kelly Bushing elevation 5,068 feet

Mahogany marker 3578'

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		Weight percent		Spent shale	Gas + loss	Oil	Water		Tendency to coke	
SBR62-282	600- 610						No oil				
SBR62-283-85	610- 640						Trace				
SBR62-286	640- 650						No oil				
SBR62-287-88	650- 670						Trace				
SBR62-289-91	670- 700						No oil				
SBR62-292	700- 710	77603	2.2	2.3	94.4	1.1	5.7	5.5	0.914	None	
SBR62-293	710- 720	77604	1.5	2.2	95.5	.8	3.8a	5.4		None	
SBR62-294	720- 730	77605	2.5	2.3	94.0	1.2	6.6	5.5	.913	None	
SBR62-295-98	740- 780						b				
SBR62-299-300	780- 800						No oil				
SBR62-301-02	800- 820						c				
SBR62-303-05	830- 860						No oil				
SBR62-306	870- 880						No oil				
SBR62-307	890- 900						No oil				
SBR62-308-12	900- 950						c				
SBR62-313	960- 970						c				
SBR62-314-15	970- 990						b				
SBR62-316	990-1000	77606	.6	1.6	97.1	.7	1.5a	3.8		None	
SBR62-317	1000-1010	77607	1.7	.8	96.7	.8	4.4a	2.0		None	
SBR62-318	1010-1020	77608	1.2	1.1	96.9	.8	3.2a	2.5		None	
SBR62-319	1020-1030	77609	1.1	1.4	96.9	.6	2.8a	3.5		None	
SBR62-320	1030-1040	77610	1.2	1.5	96.8	.5	3.2a	3.6		None	
SBR62-321	1040-1050	77611	.8	1.2	98.0	.0	2.1a	2.8		None	
SBR62-322	1050-1060	77612	1.1	1.5	97.1	.3	2.9a	3.6		None	
SBR62-323	1060-1070	77613	.3	1.2	98.3	.2	.8a	3.0		None	
SBR62-324	1070-1080						c				
SBR62-325	1080-1090	77614	.7	1.6	97.4	.3	1.9a	3.7		None	
SBR62-326	1090-1100	77615	.7	1.5	97.4	.4	1.8a	3.5		None	
SBR62-327	1100-1110	77616	.5	1.4	98.0	.1	1.3a	3.4		None	
SBR62-328	1110-1120						c				

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 Texaco's No. 3 Uintah Unit Well (Con.)

Kelly Bushing elevation 5,068 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						
			Oil	Water		Spent shale						Oil
Laramie	Their											
SBR62-329	1120-1130						b					
SBR62-330	1130-1140						Trace					
SBR62-331	1140-1150	77617	1.5	2.0	96.0	0.5	3.9a	4.7		None		
SBR62-332	1150-1160	77618	1.4	2.0	96.0	.6	3.7a	4.8		None		
SBR62-333	1160-1170	77619	1.5	2.0	96.0	.5	3.9a	4.7		None		
SBR62-334	1170-1180	77620	.6	1.8	97.3	.3	1.5a	4.3		None		
SBR62-335	1180-1190						c					
SBR62-336	1190-1200	77621	.5	1.9	97.2	.4	1.3a	4.6		None		
SBR62-337	1200-1210	77622	1.7	1.7	96.2	.4	4.3a	4.1		None		
SBR62-338	1210-1220	77623	1.7	1.7	95.9	.7	4.4a	4.1		None		
SBR62-339	1220-1230	77624	1.6	1.7	95.1	1.6	4.2a	4.0		None		
SBR62-340	1230-1240	77625	1.0	1.2	97.0	.8	2.7a	2.9		None		
SBR62-341	1240-1250	77626	1.1	1.3	96.6	1.0	2.8a	3.1		None		
SBR62-342	1250-1260	77627	1.6	1.2	96.7	.5	4.3a	2.9		None		
SBR62-343	1260-1270	77628	1.1	.9	97.6	.4	2.9a	2.0		None		
SBR62-344-46	1270-1300						No oil					
SBR62-347-48	1300-1320						c					
SBR62-349	1320-1330	77629	.7	.3	98.8	.2	1.8a	.6		None		
SBR62-350	1330-1340	77630	1.5	.9	96.8	.8	4.0a	2.2		None		
SBR62-351	1340-1350	77631	1.2	.9	96.9	1.0	3.1a	2.3		None		
SBR62-352	1350-1360	77632	1.3	.9	97.3	.5	3.4a	2.2		None		
SBR62-353	1360-1370	77633	2.8	.4	95.9	.9	7.3	1.0	0.925	Slight		
SBR62-354	1370-1380	77634	2.8	.4	96.1	.7	7.2	1.0	.923	None		
SBR62-355	1390-1400	77635	2.3	.2	96.8	.7	5.9a	5.5		None		
SBR62-356	1400-1410	77636	3.9	.3	95.0	.8	10.3a	.6		None		
SBR62-357	1420-1430	77637	2.9	.3	96.0	.8	7.6a	.7		None		
SBR62-358	1430-1440	77638	3.0	.3	95.9	.8	7.7a	.7		None		
SBR62-359	1440-1450	77639	8.5	.2	90.2	1.1	22.2	.5	.916	None		
SBR62-360	1450-1460	77640	2.3	.2	96.8	.7	6.1a	.5		None		
SBR62-361	1460-1470	77641	2.1	.2	97.2	.5	5.5a	.4		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 Texaco's No. 3 Uintah Unit Well (Con.)

Kelly Bushing elevation 5,068 feet

			Yield of product					Specific	Properties of		
Sample number		Run	Weight percent		Spent	Gas +	Gal. per ton		gravity	spent shale	
Laramie	Their	No.	Oil	Water	shale	loss	Oil	Water	of oil at	Tendency to	Remarks
									60°/60° F.	coke	
SBR62-362	1470-1480	77642	2.3	0.4	96.7	0.6	6.0a	1.8		None	
SBR62-363	1480-1490	77643	21.2	.8	70.7	7.3	54.9	1.8	0.927	Medium	e/ 25
SBR62-364	1490-1500	77644	20.1	.8	74.7	4.4	51.9	1.9	.928	Medium	e/ 22
SBR62-365	1500-1510	77645	2.7	.3	96.2	.8	6.9	.8	.927	None	
SBR62-366	1510-1520	77646	2.6	.4	96.0	1.0	6.7	1.1	.926	None	
SBR62-367	1520-1530	77647	2.5	.4	96.0	1.1	6.5	1.0	.922	None	
SBR62-368	1530-1540	77648	2.5	.4	96.4	.7	6.5	1.0	.923	None	
SBR62-369	1540-1550	77649	2.4	.4	96.4	.8	6.3	.8	.923	None	
SBR62-370	1550-1560	77650	2.5	.3	96.5	.7	6.4	.8	.923	None	
SBR62-371	1560-1570	77651	2.5	.3	96.3	.9	6.5	.8	.922	None	
SBR62-372	1570-1580	77652	2.2	.4	95.9	1.5	5.7	.8	.923	None	
SBR62-373	1580-1590	77653	3.5	.2	95.5	.8	9.2	.5	.923	None	
SBR62-374	1590-1600	77654	3.7	.3	95.2	.8	9.6	.6	.921	None	
SBR62-375	1600-1610	77655	4.6	.4	93.0	2.0	12.1	1.0	.922	None	
SBR62-376	1610-1620	77656	12.1	.5	85.0	2.4	31.5	1.2	.923	None	
SBR62-377	1620-1630	77657	11.7	.5	85.3	2.5	30.3	1.2	.922	None	
SBR62-378	1630-1640	77658	2.1	.2	96.7	1.0	5.6	.5	.923	None	
SBR62-379	1640-1650	77659	2.1	.2	96.9	.8	5.6	.5	.914	None	
SBR62-380	1650-1660	77660	2.2	.2	97.2	.4	5.6	.6	.915	None	
SBR62-381	1660-1670	77661	3.5	.4	94.9	1.2	9.2	1.0	.914	None	
SBR62-382	1670-1680	77662	3.5	.4	94.8	1.3	9.3	1.0	.915	None	
SBR62-383	1680-1690	77663	3.5	.4	94.9	1.2	9.1	1.0	.928	None	
SBR62-384	1760-1770	77664	3.8	.3	95.1	.8	9.8	.7	.918	None	
SBR62-385	1770-1780	77665	3.6	.3	95.4	.7	9.4	.7	.923	None	
SBR62-386	1780-1790	77666	4.8	.2	94.0	1.0	12.6	.4	.921	None	
SBR62-387	1790-1800	77667	5.2	.3	93.5	1.0	13.5	.8	.920	None	
SBR62-388	1800-1810	77668	4.8	.4	93.9	.9	12.4	1.0	.925	None	
SBR62-389	1810-1820	77669	4.7	.3	94.0	1.0	12.2	.7	.924	None	
SBR62-390	1820-1830	77670	4.9	.3	94.0	.8	12.6	.7	.926	None	
SBR62-391	1830-1840	77671	4.8	.2	94.0	1.0	12.5	.5	.924	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 Texaco's No. 3 Uintah Unit Well (Con.)

Kelly Bushing elevation 5,068 feet

			Yield of product						Specific	Properties of	
Sample number		Run	Weight percent		Spent	Gas +	Gal. per ton		gravity	spent shale	
Laramie	Their	No.	Oil	Water	shale	loss	Oil	Water	of oil at	Tendency to	Remarks
									60°/60° F.	coke	
SBR62-392	1840-1850	77672	4.8	0.2	94.0	1.0	12.4	0.6	0.925	None	
SBR62-393	1850-1860	77673	4.8	.2	94.0	1.0	12.4	.6	.924	None	
SBR62-394	1860-1870	77674	4.8	.2	93.9	1.1	12.3	.6	.925	None	
SBR62-395	1870-1880	77675	5.8	.3	92.7	1.2	15.1	.6	.922	None	
SBR62-396	1880-1890	77676	5.6	.3	92.5	1.6	14.7	.7	.919	None	
SBR62-397	1890-1900	77677	2.7	.3	92.5	4.5	7.0	.8	.919	None	
SBR62-398	1900-1910	77678	5.3	.6	92.4	1.7	13.9	1.4	.914	None	
SBR62-399	1910-1920	77679	5.4	.5	92.2	1.9	14.1	1.2	.917	None	
SBR62-400	1920-1930	77680	5.7	.5	91.8	2.0	14.9	1.2	.913	None	
SBR62-401	1930-1940	77681	5.2	.3	92.8	1.7	13.7	.7	.914	None	
SBR62-402	1940-1950	77682	5.2	.4	93.0	1.4	13.7	.8	.914	None	
SBR62-403	1950-1960	77683	4.6	.4	94.0	1.0	12.0	1.0	.919	None	
SBR62-404	1960-1970	77684	4.5	.4	93.9	1.2	11.9	1.0	.917	None	
SBR62-405	1970-1980	77685	4.9	.4	93.8	.9	12.9	1.0	.915	None	
SBR62-406	1980-1990	77686	5.0	.3	93.7	1.0	13.1	.7	.919	None	
SBR62-407	1990-2000	77687	4.8	.3	93.9	1.0	12.6	.7	.919	None	
SBR62-408	2000-2010	77688	6.6	.4	91.5	1.5	17.2	1.0	.920	None	
SBR62-409	2010-2020	77689	7.7	.4	90.6	1.3	20.1	.8	.921	None	
SBR62-410	2020-2030	77690	6.7	.4	91.5	1.4	17.5	1.0	.911	None	
SBR62-411	2030-2040	77691	2.4	.5	96.5	.6	6.2	1.2	.913	None	
SBR62-412	2040-2050	77692	9.6	.5	87.8	2.1	25.2	1.2	.912	None	
SBR62-413	2050-2060	77693	11.4	.6	85.7	2.3	30.6	1.3	.894	Slight	
SBR62-414	2060-2070	77694	11.4	.6	85.5	2.5	30.6	1.6	.891	Slight	
SBR62-415	2070-2080	77695	12.6	.5	84.7	2.2	33.6	1.2	.901	Slight	
SBR62-416	2080-2090	77696	15.5	.4	81.6	2.5	41.2	1.0	.903	Slight	
SBR62-417	2090-2100	77697	15.4	.5	81.5	2.6	40.9	1.1	.904	Slight	
SBR62-418	2100-2110	77698	14.6	.4	82.9	2.1	38.8	1.1	.902	Slight	
SBR62-419	2110-2120	77699	8.1	.4	90.0	1.5	21.4	1.0	.911	None	
SBR62-420	2120-2130	77700	7.8	.5	90.3	1.4	20.5	1.3	.911	None	
SBR62-421	2130-2140	77701	8.5	.5	89.3	1.7	22.4	1.2	.911	None	

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

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from DeKalb Texaco's No. 3 Uintah Unit Well (Con.)

Kelly Bushing elevation 5,068 feet

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		
Laramie	Their		Oil	Water					Oil	Water	
SBR62-422	2140-2150	77702	7.6	0.6	90.8	1.0	20.0	1.3	0.910	None	
SBR62-423	2150-2160	77703	1.5	2.2	95.2	1.1	4.0a	5.3		None	
SBR62-424	2160-2170	77704	1.9	2.7	94.8	.6	5.1a	6.5		None	
SBR62-425	2170-2180	77705	.8	2.0	96.7	.5	2.0a	4.8		None	
SBR62-426	2180-2190	77706	.9	1.7	97.0	.4	2.3a	4.1		None	
SBR62-427-28	2190-2210-20						c				
SBR62-429	2210-2220	77707	.7	1.2	97.7	.4	1.7a	3.0		None	
SBR62-430	2220-2230	77708	.9	1.4	97.2	.5	2.3a	3.2		None	
SBR62-431	2230-2240	77709	5.3	.5	92.9	1.3	13.9	1.2	.918	None	
SBR62-432	2240-2250	77710	5.2	.4	93.0	1.4	13.6	1.0	.925	None	
SBR62-433	2250-2260	77711	5.4	.4	92.7	1.5	13.9	1.1	.927	None	
SBR62-434	2260-2270	77712	5.3	.4	93.0	1.3	13.6	1.1	.927	None	
SBR62-435	2270-2280	77713	5.2	.4	93.0	1.4	13.4	1.0	.928	None	
SBR62-436	2280-2290	77714	8.7	1.3	88.4	1.6	22.4	3.1	.926	Slight	
SBR62-437	2290-2300	77715	9.1	1.2	87.9	1.8	23.6	2.9	.926	Slight	
SBR62-438	2300-2310	77716	9.8	1.7	86.8	1.7	25.3	4.1	.926	Slight	
SBR62-439	2310-2320	77717	7.6	1.8	89.0	1.6	19.6	4.3	.926	Slight	
SBR62-440	2320-2330	77718	3.9	.7	94.5	.9	10.2	1.7	.921	None	
SBR62-441	2330-2340	77719	4.3	1.1	94.0	.6	11.1	2.6	.927	None	
SBR62-442	2340-2350	77720	5.8	.7	93.0	.5	15.2	1.7	.916	None	
SBR62-443	2350-2360	77721	7.1	.8	91.0	1.1	18.6	1.9	.913	None	
SBR62-444	2360-2370	77722	6.4	.5	92.0	1.1	16.9	1.2	.914	None	
SBR62-445	2370-2380	77723	6.5	.8	91.6	1.1	16.9	1.9	.916	None	
SBR62-446	2380-2390	77724	4.1	2.0	93.3	.6	10.7	4.8	.919	None	
SBR62-447	2390-2400	77725	3.3	2.1	93.4	1.2	8.7	5.0	.914	None	
SBR62-448	2400-2410	77726	5.8	1.2	92.0	1.0	15.3	2.9	.915	None	
SBR62-449	2410-2420	77727	5.1	1.2	93.2	.5	13.3	2.9	.916	None	
SBR62-450	2420-2430	77728	4.5	1.4	93.4	.7	11.8	3.4	.916	None	
SBR62-451	2430-2440	77729	4.3	1.4	93.8	.5	11.2	3.4	.915	None	
SBR62-452	2440-2450	77730	4.2	1.9	93.0	.9	11.1	4.6	.913	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 Texaco's No. 3 Uintah Unit Well (Con.)

Kelly Bushing elevation 5,068 feet

			Yield of product						Specific gravity of oil at 60°/60° F.	Properties of spent shale	
			Weight percent		Gal. per ton					Tendency to coke	Remarks
Sample number	Run		Oil	Water	Spent shale	Gas + loss	Oil	Water			
Laramie	Their	No.									
SBR62-453.	2450-2460	77731	5.4	2.0	91.3	1.3	14.3	4.8	0.905	Slight	
SBR62-454	2460-2470	77732	7.2	1.7	89.5	1.6	19.1	4.1	.905	Slight	
SBR62-455	2470-2480	77733	7.0	1.6	90.0	1.4	18.6	3.8	.901	Slight	
SBR62-456	2480-2490	77734	7.8	1.7	88.6	1.9	20.7	4.1	.902	Slight	
SBR62-457	2490-2500	77735	9.3	2.2	86.0	2.5	24.6	5.3	.902	Slight	
SBR62-458	2500-2510	77736	12.3	2.1	83.2	2.4	32.8	5.0	.901	Slight	
SBR62-459	2510-2520	77737	18.4	2.1	75.9	3.6	48.8	5.0	.905	Medium	
SBR62-4X	2520-2530	78616	2.0	1.1	94.7	2.2	5.2a q	2.5		None	<u>e/, f/</u>
SBR62-461	2530-2540	77739	6.9	2.3	89.1	1.7	18.2	5.5	.905	None	
SBR62-462	2540-2550	77740	10.7	2.3	85.0	2.0	28.4	5.5	.905	None	
SBR62-463	2550-2560	77741	7.4	2.5	88.0	2.1	19.6	6.0	.902	None	
SBR62-464	2560-2570	77742	7.6	2.5	87.7	2.2	20.2	5.9	.901	None	
SBR62-465	2570-2580	77743	6.5	2.9	89.0	1.6	17.1	7.0	.903	None	
SBR62-466	2580-2590	77744	11.3	3.0	83.2	2.5	30.0 q	7.2	.902	None	<u>e/</u>
SBR62-467	2590-2600	77745	14.6	3.4	79.4	2.6	38.3 q	8.1	.913	Slight	<u>e/</u>
SBR62-468	2600-2610										<u>e/</u>
SBR62-3X	2610-2620	78615	.8	3.6	93.3	2.3	2.1a q	8.6		None	<u>e/, f/</u>
SBR62-470	2620-2630	77746	10.3	4.8	82.2	2.7	27.1 q	11.5	.913	None	<u>e/</u> 26
SBR62-471	2630-2640	77747	9.4	4.0	83.2	3.4	24.5 q	9.6	.914	None	<u>e/</u>
SBR62-472-75	2640-2680	77748									<u>e/</u>
SBR62-476	2680-2690	77748	12.7	2.2	82.4	2.7	33.3 q	5.3	.913	Slight	<u>e/</u>
SBR62-477	2690-2700	77749	9.2	2.7	85.0	3.1	24.2 q	6.5	.912	None	<u>e/</u>
SBR62-478	2700-2710										<u>e/</u>
SBR62-479	2710-2720	77750	9.3	2.6	86.1	2.0	24.5	6.2	.912	None	
SBR62-480	2720-2730	77751	6.6	3.2	88.9	1.3	17.4	7.7	.912	None	
SBR62-481-85	2730-2780	77752									<u>e/</u>
SBR62-486	2780-2790	77752	3.4	1.5	94.7	.4	9.1	3.6	.913	None	
SBR62-487	2790-2800	77753	8.2	.8	89.4	1.6	21.9	1.8	.903	None	
SBR62-488	2800-2810	77754	10.0	.6	87.4	2.0	26.6 q	1.4	.904	None	<u>e/</u>
SBR62-489	2810-2820	77755	9.7	.8	87.6	1.9	25.7	1.9	.903	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-3549P, Sheet No. 6 of 10 sheets January 30, 1962

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from DeKalb Texaco's No. 3 Uintah Unit Well (Con.)

Kelly Bushing elevation 5,068 feet

Sample number			Yield of product					Specific gravity of oil at 60°/60° F.		Properties of spent shale Tendency to coke		Remarks
			Weight percent		Gal. per ton							
Laramie	Their	Run No.	Oil	Water	Spent shale	Gas + loss	Oil	Water				
SEB62-490	2820-2830	77756	17.7	0.8	78.8	2.7	46.9	1.9	0.904	Medium		
SEB62-491	2830-2840	77757	25.1	2.4	68.4	4.1	67.1	5.8	.897	Medium		
SEB62-492	2840-2850	77758	17.6	3.0	76.2	3.2	46.8	7.2	.898	Slight		
SEB62-493	2850-2860	77759	5.1	2.1	91.0	1.8	13.7	5.0	.897	None		
SEB62-494	2860-2870	77760	5.2	2.8	90.3	1.7	13.8	6.7	.898	None		
SEB62-495	2870-2880	77761	4.7	2.0	91.6	1.7	12.3	4.8	.913	None		
SEB62-496	2880-2890	77762	4.1	1.9	92.8	1.2	10.7	4.6	.913	None		
SEB62-497	2890-2900	77763	5.1	1.1	92.4	1.4	13.4	2.6	.912	None		
SEB62-498	2900-2910	77764	5.1	.6	93.0	1.3	13.5	1.4	.912	None		
SEB62-499	2910-2920	77765	3.4	.6	95.0	1.0	8.8	1.4	.925	None		
SEB62-500	2920-2930	77766	5.8	.4	92.5	1.3	14.9	1.0	.925	None		
SEB62-501	2930-2940	77767	4.5	.6	93.5	1.4	11.6	1.4	.925	None		
SEB62-502	2940-2950	77768	4.8	.9	93.4	.9	12.6	2.2	.915	None		
SEB62-503	2950-2960	77769	3.3	1.6	93.6	1.5	8.7	3.8	.910	None		
SEB62-504	2960-2970	77770	4.9	.7	92.9	1.5	12.7	1.7	.914	None		
SEB62-505	2970-2980	77771	4.6	.8	93.4	1.2	12.1	2.0	.912	None		
SEB62-506	2980-2990	77772	4.7	.8	93.2	1.3	12.3	1.9	.913	None		
SEB62-507	2990-3000	77773	5.9	.5	92.0	1.6	15.4	1.1	.917	None		
SEB62-508	3000-3010	77774	8.1	3.3	86.7	1.9	21.1	7.9	.916	None		
SEB62-509	3010-3020	77775	7.1	3.3	88.0	1.6	18.4	7.9	.917	None		
SEB62-510	3020-3030	77776									e/	
SEB62-511	3030-3040	77777	9.4	3.4	84.5	2.7	24.8	8.1	.911	None		
SEB62-512	3040-3050	77778	12.2	6.2	79.0	2.6	32.3	15.0	.904	None		
SEB62-513	3050-3060	77779	13.2	6.0	77.2	3.6	34.9	14.4	.904	Slight	e/	
SEB62-514	3060-3070	77780	17.1	5.2	75.2	2.5	45.3	12.5	.903	Slight	e/	
SEB62-515	3070-3080	77781	13.5	7.6	76.0	2.9	35.8	18.2	.903	Slight	e/	
SEB62-516	3080-3090	77782	15.7	6.8	73.2	4.3	41.7	16.3	.904	Slight	e/	
SEB62-517	3090-3100	77783	14.2	7.6	74.0	4.2	37.7	18.2	.905	Slight	e/	
SEB62-518	3100-3110	77784	10.4	4.0	83.6	2.0	27.4	9.6	.905	Slight	e/	
SEB62-519	3110-3120	77785	11.0	3.2	83.6	2.2	29.2	7.7	.904	Slight	e/	

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 Texaco's No. 3 Uintah Unit Well (Con.)

Kelly Bushing elevation 5,068 feet

			Yield of product				Specific gravity		Properties of			
Sample number		Run	Weight percent		Spent shale	Gas + loss	Gal. per ton		of oil at 60°/60° F.	spent shale	Tendency to coke	Remarks
Laramie	Their	No.	Oil	Water			Oil	Water				
SBR62-520	3120-3130	77786	7.8	3.7	87.0	1.5	20.7 g	8.9	0.903	None		e/
SBR62-521	3130-3140	77787	9.1	2.4	87.2	1.3	24.3 g	5.8	.903	Slight		e/
SBR62-522	3140-3150	77788	5.3	1.7	91.6	1.4	14.0 g	4.1	.908	None		e/
SBR62-523	3150-3160	77789	6.0	2.6	90.8	.6	15.9 g	6.2	.905	None		e/
SBR62-524	2160-2170	77790	2.2	2.0	95.0	.8	5.6a g	4.8		None		e/
SBR62-525	3170-3180	77791	2.3	1.9	95.0	.8	6.0	4.6	.907	None		
SBR62-526	3180-3190	77792	2.5	1.8	95.0	.7	6.7	4.3	.911	Slight		
SBR62-527	3190-3200	77793	4.0	1.7	93.4	.9	10.3	4.1	.916	Slight		
SBR62-528	3200-3210	77794	15.9	8.0	73.4	2.7	41.7 g	19.2	.913	Slight		e/
SBR62-529	3210-3220	77795	9.4	8.8	80.0	1.8	24.6 g	21.1	.917	Slight		e/
SBR62-530	3220-3230	77796	10.7	6.0	81.8	1.5	28.1 g	14.4	.911	Slight		e/
SBR62-531	3230-3240	77797	9.5	7.2	81.4	1.9	24.9 g	17.3	.917	None		e/
SBR62-532	3240-3250	77798	7.8	6.6	84.0	1.6	20.3 g	15.8	.915	None		e/
SBR62-533	3250-3260	77799	4.2	3.1	91.7	1.0	11.0 g	7.4	.911	None		
SBR62-534	3260-3270	77800	1.7	3.1	94.2	1.0	4.5a	7.4		None		
SBR62-535	3270-3280	77801	3.8	3.0	91.8	1.4	9.9	7.2	.909	None		
SBR62-536	3280-3290	77802	6.2	2.7	89.8	1.3	16.2	6.5	.912	None		
SBR62-537	3290-3300	77803	3.6	1.6	94.5	.3	9.4	3.8	.908	None		
SBR62-538	3300-3310	77804	1.0	2.0	96.3	.7	2.7a	4.8		None		
SBR62-539	3310-3320	77805	5.6	1.3	92.2	.9	14.7	3.1	.912	None		
SBR62-540	3320-3330	77806	3.0	1.7	95.1	.2	7.9	4.1	.913	None		
SBR62-541	3330-3340						No oil					
SBR62-542	3340-3350						c					
SBR62-543	3350-3360	77807	1.3	1.7	96.2	.8	3.5a	4.1		None		
SBR62-544	3360-3370	77808	7.8	2.9	88.4	.9	20.7	7.0	.905	Slight		
SBR62-545	3370-3380	77809	16.1	1.8	81.0	1.1	42.8 g	4.3	.901	Slight		e/
SBR62-546	3380-3390						Trace					
SBR62-547	3390-3400	77810	2.0	2.2	95.6	.2	5.2a g	5.3		None		e/
SBR62-548	3400-3410	77811	1.4	2.4	96.0	.2	3.6a g	5.8		None		e/
SBR62-549	3410-3420	77812	3.7	3.0	92.4	.9	9.5a g	7.2		None		e/

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-3549P, Sheet No. 8 of 10 sheets January 30, 1962

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from DeKalb Texaco's No. 3 Uintah Unit Well (Con.)

Kelly Bushing elevation 5,068 feet

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		
Laramie	Their		Oil	Water						Oil	Water
SBR62-550	3420-3430	77813	3.0	2.4	93.8	0.8	7.9a	5.8		None	e/
SBR62-551	3430-3440	77814	4.1	2.0	93.8	.1	10.6a	4.8		None	e/
SBR62-552	3440-3450	77815	1.8	2.4	93.3	2.5	4.7a	5.8		None	e/
SBR62-553	3450-3460	77816	6.0	2.3	90.8	.9	16.0	5.4	0.901	Slight	e/
SBR62-554	3460-3470	77817	4.4	2.1	92.6	.9	11.6	5.0	.903	Slight	
SBR62-310X	3470-3480	78607	.8	1.7	96.9	.6	2.1a	4.1		None	d/, f/
SBR61-311X	3480-3490	78608	.8	1.9	96.7	.6	2.1a	4.6		None	d/, f/
SBR61-312X	3490-3500	78609	1.0	1.9	95.3	1.8	2.5a	4.5		None	d/, f/
SBR61-313X	3500-3510	78610	.3	2.1	97.0	.6	.7a	5.2		None	d/, f/
SBR61-314X	3510-3520	78611	1.8	3.6	93.6	1.0	4.6a	8.7		None	d/, f/
SBR61-315X	3520-3530	78612	.7	2.8	95.3	1.2	1.8a	6.7		None	d/, f/
SBR61-316X	3530-3540	78613	.8	2.2	95.2	1.8	2.1a	5.2		None	d/, f/
SBR62-556-60	3540-3590						c				
SBR62-561-72	3590-3710						No oil				
SBR61-317X	3710-3720	78614	1.2	.9	93.8	4.1	3.1a	2.3		None	d/, f/
SBR62-573	3720-3730						c				e/
SBR62-574	3740-3750										
SBR62-575	3750-3760	77819	9.8	1.8	86.2	2.2	25.6a	4.2		Slight	e/
SBR62-576	3760-3770	77820	3.3	2.8	93.4	.5	8.7a	6.7		None	e/
SBR62-577	3770-3780	77821	2.0	2.6	94.8	.6	5.2a	6.1		None	
SBR62-578	3780-3790	77822	1.7	2.4	95.2	.7	4.4a	5.8		None	
SBR62-579	3800-3810						c				
SBR62-580	3810-3820	77823	1.4	2.2	95.3	1.1	3.8a	5.3		None	
SBR62-581	3820-3830	77824	3.9	2.0	93.0	1.1	10.4	4.8	.889	None	
SBR62-582	3830-3840	77825	1.2	2.3	95.9	.6	3.0a	5.5		None	
SBR62-583-84	3840-3860						b				
SBR62-585	3860-3870	77826	1.2	2.1	95.9	.8	3.2a	5.0		None	
SBR62-586	3870-3880	77827	1.7	1.6	96.2	.5	4.4a	3.8		None	
SBR62-587-88	3880-3900						b				
SBR62-589	3900-3910						c				

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-3549P, Sheet No. 9 of 10 sheets January 30, 1962

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from DeKalb Texaco's No. 3 Uintah Unit Well (Con.)

Kelly Bushing elevation 5,068 feet

Sample number		Run No.	Yield of product				Gal. per ton		Specific gravity of oil at 60°/60° F.	Properties of spent shale Tendency to coke	Remarks
Laramie	Their		Weight percent		Spent shale	Gas + loss	Oil	Water			
SBR62-590	3910-3920						b				
SBR62-591	3920-3930						No oil				
SBR62-592-93	3930-3950	20'					Trace				
SBR62-594-95	3950-3970	20'					No oil				
SBR62-596-600	3970-4020	50'					Trace				
SBR62-601	4020-4030	77828	4.1	1.3	93.8	0.8	11.0	3.1	0.890	None	
SBR62-602	4030-4040	77829	2.8	1.5	94.9	.8	7.7	3.6	.887	None	
SBR62-603	4040-4050	77830	3.4	1.5	94.2	.9	9.2	3.5	.892	None	
SBR62-604	4050-4060	77831	10.7	1.7	86.4	1.2	28.7	4.1	.888	None	e/
SBR62-605	4060-4070										e/
SBR62-606	4070-4080	77832	8.1	1.6	90.0	.3	21.8	3.8	.889	None	e/
SBR62-607	4080-4090	77833	7.6	1.3	90.5	.6	20.5	3.1	.892	None	e/
SBR62-608	4090-4100										e/
SBR62-609	4100-4110	77834	3.5	2.0	94.0	.5	9.5	4.8	.884	None	e/
SBR62-610	4110-4120	77835	1.9	2.4	95.0	.7	5.1a	5.8		None	e/
SBR62-611	4120-4130	77836	4.5	1.5	93.3	.7	12.1	3.7	.887	None	
SBR62-612	4130-4140	77837	1.9	1.6	96.1	.4	5.1a	3.7		None	
SBR62-613	4140-4150	77838	1.6	1.6	96.2	.6	4.1a	3.8		None	
SBR62-614	4150-4160	77839	3.3	1.9	93.5	1.3	8.7a	4.6		None	
SBR62-615	4160-4170	77840	3.3	1.4	93.7	1.6	8.7	3.4	.905	None	
SBR62-616	4170-4180	77841	7.2	1.5	89.2	2.1	19.1	3.6	.902	None	
SBR62-617-18	4180-4200						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.

d/- Black, viscous to semisolid asphalt present. ~~Figure is weight percent recovered by benzene extraction~~~~percent recovered by benzene extraction~~

e/- Black, solid asphaltite present; figure is weight percent of benzene-soluble material present in the sample assayed.

f/- Residue from benzene extraction assayed.

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