Highest value 5.8 g/t. UR 234

OIL-SHALE ASSAYS BY THE MODIFIED FISCHER RETORT METHOD

Samples from Carter Oil Company's Jack Canyon Government No. 1, located in the center of the ~~SE~~ SW 1/4, ~~NE~~ NE 1/4, Sec. 13, T. ~~4~~ 1 S., R. ~~4~~ 1 ~~W.~~ E., ~~Duchesne~~ Carbon County, Utah.
Elevation 7,552 feet

Elevation 7552 Jr.
Mailing marker 5582'

Sample number Laramie	Sample number Their	Run No.	Yield of product: Weight percent Oil	Weight percent Water	Weight percent Spent shale	Weight percent Gas + loss	Gal. per ton Oil	Gal. per ton Water	Specific gravity of oil at 60°/60°F.	Properties of spent shale: Percent of orig. shale Ignition loss	Percent of orig. shale Ash	Tendency to coke	Remarks
SBR52-3486	700-710	19532					>1.0						
SBR52-3487	710-720	19533					>1.0						
SBR52-3488	720-730	19534					>1.0						
SBR52-3489	730-740	19535					>1.0						
SBR52-3490	740-750	19536					<1.0						
SBR52-3491	750-760	19537					<1.0						
SBR52-3492	760-770	19538					<1.0						
SBR52-3493	770-780	19539					<1.0						
SBR52-3494	780-790	19540					<1.0						
SBR52-3495	790-800	19541					<1.0						
SBR52-3496	800-810	19542					None						
SBR52-3497	810-820	19543					"						
SBR52-3498	820-830	19544					<1.0						
SBR52-3499	830-840	19545					<1.0						
SBR52-3500	840-850	19546					<1.0						
SBR52-3501	850-860	19547					<1.0						
SBR52-3502	860-870	19548					>1.0						
SBR52-3503	880-890	19549					>1.0						
SBR52-3504	890-900	19550					<1.0						
SBR52-3505	900-910	19551					<1.0						
SBR52-3506	910-920	19552					None						
SBR52-3507	920-930	19553					"						
SBR52-3508	930-940	19554					"						
SBR52-3509	940-950	19555					"						
SBR52-3510	950-960	19556					<1.0						
SBR52-3511	960-970	19557					None						
SBR52-3512	970-980	19558					"						
SBR52-3513	980-990	19559					"						
SBR52-3514	990-1000	19560					<1.0						
SBR52-3515	1000-1010	19561					<1.0						

Core-drill cuttings and Core samples received April 18, 1952: Assays made on air-dried samples

Petroleum and Oil-Shale Experiment Station, Laramie, Wyoming, Illustration No. S. B. R. - 979P September 23, 1952

OIL-SHALE ASSAYS BY THE MODIFIED FISCHER RETORT METHOD

Samples from Carter Oil Company's Jack Canyon Government No. 1, located in the center of the SW SE-1/4, SE-1/4, Sec. 13, T. 12 S., R. 4 NE W., Duchesne County, Utah.
Elevation 7,552 feet

Sample number Laramie	Sample number Their	Run No.	Yield of product: Weight percent: Water	Spent shale	Gas + loss	Gal. per ton: Oil	Water	Specific gravity of oil at 60°/60°F.	Properties of spent shale: Percent of orig. shale: Ignition loss	Ash	Tendency to coke	Remarks
SBR52-3516	1010-1020	19562				None						
SBR52-3517	1020-1030	19563				<1.0						
SBR52-3518	1030-1040	19564				None						
SBR52-3519	1040-1050	19565				"						
SBR52-3520	1050-1060	19566				"						
SBR52-3521	1060-1070	19567				"						
SBR52-3522	1070-1080	19568				"						
SBR52-3523	1080-1090	19569				"						
SBR52-3524	1090-1100	19570				"						
SBR52-3525	1100-1110	19571				"						
SBR52-3526	1110-1120	19572				<1.0						
SBR52-3527	1120-1130	19573				None						
SBR52-3528	1130-1140	19574				"						
SBR52-3529	1140-1150	19575				"						
SBR52-3530	1150-1160	19576				"						
SBR52-3531	1160-1170	19577				"						
SBR52-3532	1170-1180	19578				"						
SBR52-3533	1180-1190	19579				"						
SBR52-3534	1190-1200	19580				"						
SBR52-3535	1200-1210	19581				"						
SBR52-3536	1210-1220	19582				<1.0						
SBR52-3537	1220-1230	19583				<1.0						
SBR52-3538	1230-1240	19584				Trace						
SBR52-3539	1250-1260	19585				None						
SBR52-3540	1260-1270	19586				"						
SBR52-3541	1270-1280	19587				"						
SBR52-3542	1280-1290	19588				"						
SBR52-3543	1290-1300	19589				"						
SBR52-3544	1300-1310	19590				"						
SBR52-3545	1310-1320	19591				"						

Core-drill cuttings and Core samples received April 18, 1952: Assays made on air-dried samples

Petroleum and Oil-Shale Experiment Station, Laramie, Wyoming, Illustration No. S.B.R. - 980P September 23, 1952

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Carter Oil Company's Jack Canyon Government No. 1, located in the center of the ~~SE~~ SW 1/4, ~~SE~~ NE 1/4, Sec. 13, T. ~~4~~ 12 S., R. 14 ~~W~~ E, ~~Duchesne~~ Carbon County, Utah
Elevation 7,552 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale			
			Weight percent				Gal. per ton		of oil at	Percent of orig. shale			
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil	Water	60°/60°F.	Ignition loss	Ash	Tendency to coke	Remarks
SBR52-3546	1320-1330	19592					Trace						
SBR52-3547	1330-1340	19593					None						
SBR52-3548	1340-1350	19594					"						
SBR52-3549	1350-1360	19595					"						
SBR52-3550	1360-1370	19596					"						
SBR52-3551	1370-1380	19597					"						
SBR52-3552	1380-1390	19598					Trace						
SBR52-3553	1390-1400	19599					None						
SBR52-3554	1400-1410	19600					"						
SBR52-3555	1410-1420	19601					"						
SBR52-3556	1420-1430	19602					>1.0						
SBR52-3557	1430-1440	19603	1.5	0.8	97.2	0.5	3.8*	1.9		7.9	89.3	None	
SBR52-3558	1440-1450	19604					<1.0						
SBR52-3559	1450-1460	19605					None						
SBR52-3560	1460-1470	19606					"						
SBR52-3561	1470-1480	19607					"						
SBR52-3562	1480-1490	19608					Trace						
SBR52-3563	1490-1500	19609					"						
SBR52-3564	1500-1510	19610					"						
SBR52-3565	1510-1520	19611					<1.0						
SBR52-3566	1520-1530	19612					<1.0						
SBR52-3567	1530-1540	19613					<1.0						
SBR52-3568	1540-1550	19614					<1.0						
SBR52-3569	1550-1560	19615					Trace						
SBR52-3570	1560-1570	19616					None						
SBR52-3571	1570-1580	19617					"						
SBR52-3572	1590-1600	19618					"						
SBR52-3573	1600-1610	19619					"						
SBR52-3574	1610-1620	19620					"						
SBR52-3575	1620-1630	19621					"						

* Estimated

Core-drill cuttings and Core samples received April 18, 1952: Assays made on air-dried samples

Petr(um and Oil-Shale Experiment Station, Laramie, Wy('ng, Illustration No. S.B.R. - 981P Septem(· 23, 1952

OIL-SHALE ASSAYS BY THE MODIFIED FISCHER RETORT METHOD

Samples from Carter Oil Company's Jack Canyon Government No. 1, located in the center of the SE 1/4, ~~SE~~ NE 1/4, Sec. 13, T. 4 S., R. 4 E., Duchesne Coun[redacted]
Elevation 7,552 feet

Sample number Laramie	Sample number Their	Run No.	Yield of product: Weight percent: Oil	Weight percent: Water	Weight percent: Spent shale	Weight percent: Gas + loss	Gal. per ton: Oil	Gal. per ton: Water	Specific gravity of oil at 60°/60°F.	Properties of spent shale: Percent of orig. shale: Ignition loss	Ash	Tendency to coke	Remarks
SBR52-3576	1630-1640	19622					None						
SBR52-3577	1640-1650	19623					"						
SBR52-3578	1650-1660	19624					"						
SBR52-3579	1660-1670	19625					"						
SBR52-3580	1670-1680	19626					"						
SBR52-3581	1680-1690	19627					"						
SBR52-3582	1690-1700	19628					"						
SBR52-3583	1700-1710	19629					"						
SBR52-3584	1710-1720	19630					"						
SBR52-3585	1720-1730	19631					"						
SBR52-3586	1730-1740	19632					"						
SBR52-3587	1750-1760	19633					"						
SBR52-3588	1760-1770	19634					"						
SBR52-3589	1770-1780	19635					"						
SBR52-3590	1780-1790	19636					"						
SBR52-3591	1790-1800	19637					"						
SBR52-3592	1800-1810	19638					"						
SBR52-3593	1820-1830	19639					"						
SBR52-3594	1830-1840	19640					"						
SBR52-3595	1840-1850	19641					"						
SBR52-3596	1850-1860	19642					"						
SBR52-3597	1860-1870	19643					"						
SBR52-3598	1870-1880	19644					Trace						
SBR52-3599	1880-1890	19645					None						
SBR52-3600	1890-1900	19646					<1.0						
SBR52-3601	1900-1910	19647					>1.0						
SBR52-3602	1910-1920	19648					>1.0						
SBR52-3603	1920-1930	19649	1.3	1.7	96.0	1.0	3.3*	4.0		18.4	77.6	None	
SBR52-3604	1930-1940	19650	1.2	1.5	96.6	.7	2.9*	3.5		19.0	77.6	"	
SBR52-3605	1940-1950	19651	1.7	1.4	96.4	.5	4.2*	3.4		19.0	77.4	"	

* Estimated

Core-drill cuttings and Core samples received April 18, 1952: Assays made on air-dried samples

Petroleum and Oil-Shale Experiment Station, Laramie, Wyoming, Illustration No. S.B.R. - 982P September 23, 1952

OIL-SHALE ASSAYS BY THE MODIFIED FISCHER RETORT METHOD

Samples from Carter Oil Company's Jack Canyon Government No. 1, located in the center of the ~~SE~~ SW 1/4, ~~SE~~ NE 1/4, Sec. 13, T. ~~1/2~~ S., R. ~~14~~ E., ~~Duchesne~~ Carbon Coun[redacted]
Elevation 7,552 feet

Sample number		Run	Yield of product						Specific	Properties of spent shale			
			Weight percent				Gal. per ton		gravity	Percent of orig. shale			
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil	Water	of oil at 60°/60°F.	Ignition loss	Ash	Tendency to coke	Remarks
SBR52-3606	1950-1960	19652	1.4	1.6	96.3	0.7	3.4*	3.8		18.7	77.6	None	
SBR52-3607	1960-1970	19653	2.1	1.3	95.9	.7	5.5	3.2	0.911	23.6	72.3	"	
SBR52-3608	1970-1980	19654	2.2	1.3	96.0	.5	5.8	3.1	.910	22.6	73.4	"	
SBR52-3609	1980-1990	19655					>1.0						
SBR52-3610	1990-2000	19656					>1.0						
SBR52-3611	2000-2010	19657					<1.0						
SBR52-3612	2010-2020	19658					<1.0						
SBR52-3613	2020-2030	19659					<1.0						
SBR52-3614	2030-2040	19660					Trace						
SBR52-3615	2040-2050	19661					>1.0						
SBR52-3616	2050-2060	19662					>1.0						
SBR52-3617	2060-2070	19663					<1.0						
SBR52-3618	2070-2080	19664					None						
SBR52-3619	2080-2090	19665					"						
SBR52-3620	2090-2100	19666					<1.0						
SBR52-3621	2100-2110	19667					<1.0						
SBR52-3622	2110-2120	19668					None						
SBR52-3623	2120-2130	19669					"						
SBR52-3624	2130-2140	19670					"						
SBR52-3625	2140-2150	19671					"						
SBR52-3626	2150-2160	19672					<1.0						
SBR52-3627	2160-2170	19673					>1.0						
SBR52-3628	2170-2180	19674					<1.0						
SBR52-3629	2190-2200	19675					Trace						
SBR52-3630	2210-2220	19676					>1.0						
SBR52-3631	2220-2230	19677					>1.0						
SBR52-3632	2230-2240	19678					>1.0						
SBR52-3633	2240-2250	19679					>1.0						
SBR52-3634	2250-2260	19680					<1.0						
SBR52-3635	2260-2270	19681					None						

* Estimated

Core-drill cuttings and Core samples received April 18, 1952: Assays made on air-dried samples

Petroleum and Oil-Shale Experiment Station, Laramie, Wyoming, Illustration No. S.B.R. - 983P September 23, 1952

OIL-SHALE ASSAYS BY THE MODIFIED FISCHER RETORT METHOD

Samples from Carter Oil Company's Jack Canyon Government No. 1, located in the center of the ~~SE~~ SW 1/4, ~~SE~~ NE 1/4, Sec. 13, T. 4~~N~~, R. 14 E., ~~Duchesne~~ Carbon Coun[redacted]
Elevation 7,552 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale			
			Weight percent				Gal. per ton		of oil at	Percent of orig. shale		Tendency	
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil	Water	60°/60°F.	Ignition loss	Ash	to coke	Remarks
SBR52-3636	2270-2280	19682					Trace						
SBR52-3637	2300-2310	19683					>1.0						
SBR52-3638	2310-2320	19684					<1.0						
SBR52-3639	2320-2330	19685					None						
SBR52-3640	2330-2340	19686					"						
SBR52-3641	2340-2350	19687					"						
SBR52-3642	2350-2360	19688					"						
SBR52-3643	2360-2370	19689					"						
SBR52-3644	2384-2389	19690					"						Core
SBR52-3645	2389-2394	19691					"						"
SBR52-3646	2394-2395	19692					"						
SBR52-3647	2395-2400	19693					<1.0						
SBR52-3648	2400-2410	19694					<1.0						
SBR52-3649	2410-2420	19695					<1.0						
SBR52-3650	2420-2430	19696					Trace						
SBR52-3651	2430-2440	19697					None						
SBR52-3652	2450-2460	19698					"						
SBR52-3653	2460-2470	19699					"						
SBR52-3654	2470-2480	19700					"						
SBR52-3655	2480-2490	19701					"						
SBR52-3656	2490-2500	19702					"						
SBR52-3657	2500-2510	19703	1.6	2.2	95.7	.5	4.0*	5.3		7.3	88.4	None	
SBR52-3658	2510-2520	19704					None						
SBR52-3659	2530-2540	19705					"						
SBR52-3660	2540-2550	19706					Trace						
SBR52-3661	2550-2560	19707					None						
SBR52-3662	2560-2570	19708					"						
SBR52-3663	2570-2580	19709					"						
SBR52-3664	2580-2590	19710					"						
SBR52-3665	2590-2600	19711					"						

*Estimated

Core-drill cuttings and Core samples received April 18, 1952: Assays made on air-dried samples

Petroleum and Oil-Shale Experiment Station, Laramie, Wyoming, Illustration No. S.B.R. - 984P September 23, 1952

OIL-SHALE ASSAYS BY THE MODIFIED FISCHER RETORT METHOD

Samples from Carter Oil Company's Jack Canyon Government No. 1, located in the center of the ~~SE~~ SW 1/4, ~~SE~~ NE 1/4, Sec. 13 T. ~~4~~ 1 S., R. 14 E., ~~Duchesne~~ Uintah County, Utah
Elevation 7,552 feet

Sample number Laramie	Sample number Their	Run No.	Yield of product: Weight percent: Oil	Yield of product: Weight percent: Water	Yield of product: Weight percent: Spent Shale	Yield of product: Weight percent: Gas + loss	Yield of product: Gal. per ton: Oil	Yield of product: Gal. per ton: Water	Specific gravity of oil at 60°/60°F.	Properties of Spent Shale: Percent of orig. shale: Ignition loss	Properties of Spent Shale: Percent of orig. shale: Ash	Properties of Spent Shale: Tendency to coke	Remarks
SBR52-3666	2600 -2610	19712					None						
SBR52-3667	2637 -2639'9"	19713					"						Core
SBR52-3668	2639'9"-2640'3"	19714					"						"
SBR52-3669	2640'3"-2644'3"	19715					<1.0						"
SBR52-3670	2644'3"-2648 1/2	19716					<1.0						"
SBR52-3671	2648 1/2-2649'9"	19717					None						"
SBR52-3672	2649'9"-2654'3"	19718					<1.0						"
SBR52-3673	2654'3"-2656'3"	19719					None						"
SBR52-3674	2656'3"-2658'3"	19720					<1.0						"
SBR52-3675	2658'3"-2659	19721					Trace						"
SBR52-3676	2700 -2710	19722					<1.0						
SBR52-3677	2710 -2720	19723					<1.0						
SBR52-3678	2720 -2730	19724					<1.0						
SBR52-3679	2730 -2740	19725					None						
SBR52-3680	2740 -2750	19726					"						
SBR52-3681	2750 -2760	19727					"						
SBR52-3682	2760 -2770	19728					"						
SBR52-3683	2770 -2780	19729					"						
SBR52-3684	2780 -2790	19730					"						
SBR52-3685	2790 -2800	19731					"						
SBR52-3686	2800 -2810	19732					"						
SBR52-3687	2810 -2820	19733					"						
SBR52-3688	2820 -2830	19734					"						
SBR52-3689	2850 -2860	19735					"						
SBR52-3690	2860 -2870	19736					"						
SBR52-3691	2870 -2880	19737					"						
SBR52-3692	2920 -2930	19738					"						
SBR52-3693	2930 -2940	19739					"						
SBR52-3694	2940 -2950	19740					"						
SBR52-3695	2948 -2953	19741	0.5	0.3	99.2	0.0	1.2*	0.6		6.4	92.8	None	Core-Bottom

* Estimated

Core-drill cuttings and Core samples received April 18, 1952: Assays made on air-dried samples

Petroleum and Oil-Shale Experiment Station, Laramie, Wyoming, Illustration No. S.B.R.-985P September 21 1952

OIL-SHALE ASSAYS BY THE MODIFIED FISCHER RETORT METHOD

Samples from Carter Oil Company's Jack Canyon Government No. 1, located in the center of the ~~SE~~ SW 1/4, ~~SE~~ NE 1/4, Sec. 13, T. ~~4~~ 12 S., R. ~~4~~ 14 E., ~~Duchesne~~ Carbon County, Utah
Elevation 7,552 feet

Sample number Laramie	Sample number Their	Run No.	Yield of product: Weight percent: Oil	Weight percent: Water	Weight percent: Spent shale	Weight percent: Gas + loss	Gal. per ton: Oil	Gal. per ton: Water	Specific gravity of oil at 60°/60°F.	Properties of Spent shale: Percent of orig. shale: Ignition loss	Ash	Tendency to coke	Remarks
SBR52-3696	2948 -2953	19742					None						Core Middle
SBR52-3697	2948 -2953	19743					>1.0						" Top
SBR52-3698	2950 -2960	19744					None						
SBR52-3699	2960 -2970	19745					"						
SBR52-3700	2970 -2980	19746					"						
SBR52-3701	2980 -2990	19747					"						
SBR52-3702	2990 -3000	19748					"						
SBR52-3703	3000 -3010	19749					"						
SBR52-3704	3010 -3020	19750					"						
SBR52-3705	3023 1/2-3033	19751	0.8	0.2	98.9	0.1	2.0*	0.5		7.0	91.9	None	" bottom
SBR52-3706	3023 1/2-3033	19752					>1.0						" Middle
SBR52-3707	3023 1/2-3033	19753					None						" Top
SBR52-3708	3030 -3040	19754					"						
SBR52-3709	3040 -3050	19755					"						
SBR52-3710	3050 -3060	19756					"						
SBR52-3711	3060 -3070	19757					"						
SBR52-3712	3070 -3080	19758					"						
SBR52-3713	3080 -3090	19759					"						
SBR52-3714	3090 -3100	19760					"						
SBR52-3715	3100 -3110	19761					"						
SBR52-3716	3110 -3120	19762					"						
SBR52-3717	3120 -3130	19763					"						
SBR52-3718	3130 -3140	19764					"						
SBR52-3719	3140 -3150	19765					"						
SBR52-3720	3150 -3160	19766					"						
SBR52-3721	3160 -3170	19767					"						
SBR52-3722	3170 -3180	19768					"						
SBR52-3723	3180 -3190	19769					"						
SBR52-3724	3190 -3200	19770					"						
SBR52-3725	3200 -3210	19771					"						

*Estimated

Core-drill cuttings and Core samples received April 18, 1952; Assays made on air-dried samples

Petrol(and Oil-Shale Experiment Station, Laramie, Wyom(, Illustration No. S.B.R.-986P September(, 1952

OIL-SHALE ASSAYS BY THE MODIFIED FISCHER RETORT METHOD

Samples from Carter Oil Company's Jack Canyon Government No. 1, located in the center of the SE 1/4, ~~SE~~ NE 1/4, Sec. 13, T. 8 S., R. 14 E., ~~Duchesne~~ Carbon County, Utah
Elevation 7,552 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale			
			Weight percent				Gal per ton			Percent of orig. shale			
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil	Water	of oil at 60°/60°F.	Ignition loss	Ash	Tendency to coke	Remarks
SBR52-3726	3210-3220	19773					None						
SBR52-3727	3220-3230	19774					"						
SBR52-3728	3230-3240	19775					"						
SBR52-3729	3240-3250	19776					"						
SBR52-3730	3250-3260	19777					"						
SBR52-3731	3260-3270	19778					"						
SBR52-3732	3270-3280	19779					"						
SBR52-3733	3280-3290	19780					"						
SBR52-3734	3290-3300	19781					"						
SBR52-3735	3300-3310	19782					"						
SBR52-3736	3310-3320	19783					"						
SBR52-3737	3320-3330	19784					"						
SBR52-3738	3330-3340	19785					"						
SBR52-3739	3340-3350	19786					"						
SBR52-3740	3350-3360	19787					"						
SBR52-3741	3360-3370	19788					"						
SBR52-3742	3370-3380	19789					"						
SBR52-3743	3380-3390	19790					"						
SBR52-3744	3390-3400	19791					"						
SBR52-3745	3400-3410	19792					"						
SBR52-3746	3410-3420	19793					"						
SBR52-3747	3420-3430	19794					"						
SBR52-3748	3430-3440	19795					"						
SBR52-3749	3440-3450	19796					"						
SBR52-3750	3450-3460	19797					"						
SBR52-3751	3460-3470	19798					"						
SBR52-3752	3470-3480	19799					"						
SBR52-3753	3480-3490	19800					"						
SBR52-3754	3490-3500	19801					"						

Core-drill cuttings and Core samples received April 18, 1952: Assays made on air-dried samples