

UR250 ✓

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Woodward and Company's McCook Ridge No. 1 well, located in the NW 1/4, NW 1/4, NW 1/4
of Sec. 25, T. 13 S., R. 23 E., Uintah County, Utah

Ground elevation 6,478 feet

			Yield of product						Specific gravity of oil at 60°/60° F.	Properties of spent shale Tendency to coke	Feet not sampled
Sample number		Run No.	Weight percent		Spent shale	Gas + loss	Gal. per ton				
			Oil	Water			Oil	Water			
Laramie	Their										
SER55-3675	0- 20	39363	3.2	2.0	94.0	0.8	8.2	4.8	0.928	None	
SER55-3676	20- 30	39364	3.3	2.6	93.1	1.0	8.5	6.2	.924	None	
SER55-3677	30- 40	39365	3.2	2.6	92.8	1.4	8.4	6.2	.925	None	
SER55-3678	40- 50	39366	3.3	2.5	92.9	1.3	8.7	6.0	.920	None	\$0' 15"/ton
SER55-3679	50- 60	39367	3.3	2.1	93.5	1.1	8.7	5.0	.921	None	
SER55-3680	60- 70	39368	3.4	2.5	93.1	1.0	8.8	6.0	.924	None	
SER55-3681	70- 80	39369	5.6	1.2	91.6	1.6	11.7	2.9	.922	None	
SER55-3682	80- 90	39370	7.2	1.2	89.8	1.8	18.9	2.9	.915	None	
SER55-3683	90-100	39371	6.1	1.1	91.0	1.8	15.8	2.6	.917	None	
SER55-3684	100-110	39372	6.5	1.4	91.1	1.0	16.9	3.4	.914	None	
SER55-3685	110-120	39373	2.6	.9	96.1	.4	6.8	2.3	.917	None	
SER55-3686	120-130	39374	2.5	1.0	95.7	.8	6.4	2.4	.916	None	
SER55-3687	130-140	39375	2.7	1.1	95.8	.4	6.9	2.6	.916	None	
SER55-3688	140-150	39376	2.7	1.1	95.5	.7	6.9	2.6	.920	None	
SER55-3689	150-160	39377	2.5	1.0	95.9	.6	6.5	2.5	.921	None	
SER55-3690	160-170	39378	2.9	1.1	95.5	.5	7.5	2.6	.919	None	
SER55-3691	170-180	39379	3.0	.8	95.8	.4	7.7	1.8	.924	None	
SER55-3692	180-190	39380	2.4	.7	95.8	1.1	6.3	1.7	.919	None	
SER55-3693-7	190-240	39381-5					C				
SER55-3698	240-250	39386	2.8	.5	95.6	1.1	7.2	1.3	.926	None	
SER55-3699	250-260	39387	2.6	.5	96.3	.6	6.8	1.2	.925	None	
SER55-3700	260-270	39388	2.7	.7	95.7	.9	7.0	1.8	.925	None	
SER55-3701-2	270-290	39389-90					None				
SER55-3703-6	290-330	39391-4					B				
SER55-3707-8	330-350	39395-6					C				
SER55-3709	350-360	39397	1.4	.3	97.6	.7	3.5a	.8		None	
SER55-3710	360-370	39398					C				
SER55-3711	370-380	39399					None				
SER55-3712-21	380-560	39400-9					C				420-430
SER55-3722-4	560-590	39410-2					B				480-550

a - Estimated, B - Less than 1.0 gallon of oil/ton of shale, C - More than 1.0 but less than 3.0 gallons of oil/ton of shale.

Drill cuttings received April 28, 1955; assays made on air-dried samples.

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Ground elevation 6,478 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	Feet not sampled
				Weight percent		Spent shale	Gas + loss					
				Laramie	Their			Oil	Water			
SER55-3725	590-600	39413						C				
SER55-3726	600-610	39414						B				
SER55-3727-9	610-640	39415-7						None				
SER55-3730	640-650	39418						B				
SER55-3731-3	650-680	39419-21						None				
SER55-3734	680-690	39422	1.9	1.3	96.0	0.8	4.7a	3.1		None		
SER55-3735-9	690-740	39423-7						C				
SER55-3740-56	740-920	39428-44						None			890-900	
SER55-3757-9	920-950	39445-7						B				
SER55-3760	950-960	39448						None				
SER55-3761	960-970	39449						Trace				
SER55-3762	970-980	39450						C				
SER55-3763-4	980-1000	39451-2						None				
SER55-3765	1000-1010	39453						B				
SER55-3766-84	1010-1200	39454-72						None				
SER55-3785	1200-1210	39473						B				
SER55-3786-9	1210-1250	39474-7						None				
SER55-3790	1250-1260	39478						C				
SER55-3791	1260-1270	39479						B				
SER55-3792-4	1270-1300	39480-2						None				
SER55-3795	1400-1410	39483						C				
SER55-3796-7	1410-1420	39484-5						B				
SER55-3798	1430-1440	39486	2.7	2.0	94.2	1.1	7.1	4.8	0.919	None		
SER55-3799	1440-1450	39487	.2	2.1	95.9	1.8	.4a	5.0		None		
SER55-3800	1450-1460	39488						None				
SER55-3801	1460-1470	39489						B				
SER55-3802-4	1470-1500	39490-2						None				
SER55-3805	1500-1510	39493	1.3	2.0	96.2	.5	3.4a	4.8		None		
SER55-3806	1510-1520	39494						B				
SER55-3807	1520-1530	39495						Trace				

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			Weight percent		Spent shale	Gas + loss				Gal. per ton
Laramie	Their		Oil	Water					Oil	Water
SER55-3808-12	1530-1580	39496-500					B			
SER55-3813-5	1580-1610	39501-3					None			
SER55-3816	1610-1620	39504					B			
SER55-3817	1620-1630	39505					Trace			
SER55-3818-37	1630-1830	39506-25					None			
SER55-3838-9	1830-1850	39526-7					Trace			
SER55-3840-82	1850-2300	39528-72					None			2090-2100
SER55-3883	2300-2310	39573					B			2230-2240
SER55-3884	2310-2320	39574					Trace			
SER55-3885-7	2320-2350	39575-7					None			
SER55-3888	2350-2360	39578					Trace			
SER55-3889-914	2360-2620	39579-604					None			
SER55-3915	2620-2630	39605					Trace			
SER55-3916-28	2630-2760	39606-18					None			
SER55-3929	2760-2770	39619					B			
SER55-3930-55	2770-3030	39620-45					None			
SER55-3956	3030-3040	39646					B			
SER55-3957-71	3040-3190	39647-61					None			
SER55-3972	3190-3200	39662					Trace			
SER55-3973	3200-3210	39663					None			
SER55-3974	3210-3220	39664					B			
SER55-3975-83	3220-3310	39665-73					None			
SER55-3984	3310-3320	39674					Trace			
SER55-3985-8	3320-3360	39675-8					None			
SER55-3989-90	3360-3370	39679-80					Trace			
SER55-3991-6	3380-3450	39681-6					None			3430-3440
SER55-3997-8	3450-3470	39687-8					B			
SER55-3999	3470-3480	39689					C			
SER55-4000-1	3480-3500	39690-1					None			
SER55-4002		39692 Circulating sample					None			

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