

UB 247

# OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Sinclair Oil and Gas Company's Uintah Oil Association No. 1 Well drilled in NW1/4, SE1/4, NW1/4, (660 feet S/N 660 feet E/W) of sec. 8, T. 13S., R. 21E., Uintah County, Utah

Surface elevation 5,945 feet

*Natogay M. 57551*

Surface elevation, 5,345 feet

Natagan Miller 57551

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		Spent shale	Gas + loss	Gal. per ton				
Laramie	Their		Oil	Water					Oil	Water	
SBR62-4626	80- 90						c				
SBR62-4627	90-100	79449	2.1	1.0	96.2	0.7	5.3a	2.4		None	
SBR62-4628	100-110	79450	5.3	1.1	92.0	1.6	13.8	2.6	0.916	None	
SBR62-4629	110-120	79451	1.0	1.2	96.9	.9	2.5a	2.9		None	
SBR62-4630	120-130						b				
SBR62-4631	130-140	79452	2.8	.8	95.6	.8	7.3	1.9	.914	None	
SBR62-4632	140-150	79453	5.8	.8	92.1	1.3	15.2	1.9	.916	None	
SBR62-4633	160-170	79454	2.5	.7	95.6	1.2	6.6	1.7	.915	None	
SBR62-4634	170-180	79455	7.6	.8	89.7	1.9	20.0	1.8	.912	None	
SBR62-4635	180-190	79456	7.5	.5	90.4	1.6	19.6	1.2	.919	None	
SBR62-4636	190-200	79457	8.3	.8	89.0	1.9	21.8	1.8	.917	None	
SBR62-4637	200-210	79458	7.5	1.0	89.9	1.6	19.4	2.4	.922	None	
SBR62-4638	210-220	79459	5.3	.9	93.0	.8	13.8	2.2	.920	None	
SBR62-4639	220-230	79460	1.8	.7	96.8	.7	4.7a	1.8		None	
SBR62-4640	230-240	79461	5.1	.8	93.2	.9	13.3	1.8	.926	None	
SBR62-4641	240-250	79462	4.0	.2	94.3	1.5	10.3	.6	.926	None	
SBR62-4642	250-260						b				
SBR62-4643	270-280	79463	1.5	.2	97.6	.7	3.9a	.6		None	
SBR62-4644	280-290	79464	2.1	.4	96.7	.8	5.4a	1.0		None	
SBR62-4645	290-300	79465	2.8	1.0	95.3	.9	7.4	2.4	.925	None	
SBR62-4646	300-310	79466	2.0	.2	97.0	.8	5.1a	.4		None	
SBR62-4647	310-320	79467	1.1	.2	98.4	.3	3.0a	.4		None	
SBR62-4648	320-330						c				
SBR62-4649-50	330-350						Trace				
SBR62-4651	350-360						No oil				
SBR62-4652-53	370-390						No oil				
SBR62-4654	390-400						Trace				
SBR62-4655	410-420						Trace				
SBR62-4656-60	430-480						No oil				
SBR62-4661-62	480-500						b				

See footnotes at end of table.

Drill cutting samples received February 9, 1962; assays made on air-dried samples

## OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Sinclair Oil and Gas Company's Uintah Oil Association No. 1 Well (Con.)

Surface elevation 5,945 feet

Sample number		Run No.	Yield of product				Specific gravity of oil at 60°/60° F.		Properties of spent shale Tendency to coke		Remarks
Laramie	Their		Weight percent		Spent shale	Gas + loss	Gal. per ton				
			Oil	Water			Oil	Water			
SBR62-4663-67	500- 550	- 1100'					No oil				
SBR62-4668	1650-1660						No oil				
SBR62-4669-70	1660-1680						Trace				
SBR62-4671	1680-1690						b				
SBR62-4672-75	1690-1730						c				
SBR62-4676-77	1730-1750					b					
SBR62-4678	1750-1760	79468	0.5	0.7	98.5	0.3	1.3a	1.7		None	
SBR62-4679	1760-1770						b				
SBR62-4680	1770-1780						c				
SBR62-4681-84	1780-1820						b				
SBR62-4685	1820-1830						No oil				
SBR62-4686	1830-1840						Trace				
SBR62-4687	1840-1850						No oil				
SBR62-4688-89	1850-1870						Trace				
SBR62-4690-96	1870-1940						b				
SBR62-4697	1940-1950						Trace				
SBR62-4698-99	1950-1970						No oil				
SBR62-4700	1970-1980						Trace				
SBR62-4701-03	1980-2010						No oil				
SBR62-4704-05	2010-2030						Trace				
SBR62-4706-22	2030-2200						No oil				
SBR62-4723	2200-2210						b				
SBR62-4724-25	2210-2230						Trace				
SBR62-4726-27	2230-2250						No oil				
SBR62-4728-29	2250-2270						Trace				
SBR62-4730	2270-2280						No oil				
SBR62-4731-37	2290-2360						No oil				
SBR62-4738	2360-2370						b				
SBR62-4739-41	2370-2400						No oil				

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 February 9, 1962; assays made on air-dried samples