22' of 30 UA233
38' of 25 + 40'
460' of 15

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shamrock Oil and Gas Corporation's Rock House Unit, Well No. 8 drilled in NW1/4, SE1/4, NE1/4, (1,367 feet S/N 1,159 feet W/E) of sec. 23, T. 11S., R. 23E., Uintah County, Utah

Derrick floor elevation 5,732 feet

mahogany marker 5212'

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal. per ton		of oil at	Tendency to	
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil	Water	60°/60° F.	coke	Remarks
SBR62-3982-84	10- 40						No oil				
SBR62-3985-86	40- 60						Trace				
SBR62-3987-90	60-100						No oil				
SBR62-3991	100-110						Trace				
SBR62-3992-96	110-160						No oil				
SBR62-3997	160-170						Trace				
SBR62-3998	170-180						No oil				
SBR62-3999	180-190						b				
SBR62-4000-01	190-210						No oil				
SBR62-4002	230-240						No oil				
SBR62-4003-04	240-260						Trace				
SBR62-4005-06	260-280						No oil				
SBR62-4007	280-290						b				
SBR62-4008-13	290-350						Trace				
SBR62-4014-18	350-400						b				
SBR62-4019-22	400-440						c				
SBR62-4023	450-460	79224	1.0	1.1	96.8	1.1	2.6a	2.6		None	
SBR62-4024	460-470	79225	1.9	.3	96.7	1.1	4.9a	.7		None	
SBR62-4025	470-480	79226	1.8	.5	96.8	.9	4.6a	1.2		None	
SBR62-4026	480-490						c				
SBR62-4027	490-500	79227	2.1	.5	96.4	1.0	5.4a	1.2		None	
SBR62-4028	500-510	79228	2.1	.6	96.4	.9	5.4a	1.4		None	
SBR62-4029	510-520	79229	15.3	.7	81.3	2.7	40.5	1.6	0.907	None	
SBR62-4030	520-530	79230	8.1	.6	89.2	2.1	21.3	1.6	.907	None	
SBR62-4031	530-540	79231	6.6	.6	91.0	1.8	17.3	1.4	.908	None	
SBR62-4032	540-550	79232	6.3	.5	91.3	1.9	16.7	1.2	.908	None	
SBR62-4033	550-560	79233	4.6	.6	93.3	1.5	11.9	1.4	.920	None	
SBR62-4034	560-570	79234	2.1	1.3	95.5	1.1	5.4a	3.1		None	
SBR62-4035	570-580	79235	2.7	1.0	95.2	1.1	7.0	2.4	.920	None	
SBR62-4036	580-590	79236	4.9	.9	92.2	2.0	12.7	2.1	.919	None	

22' of 30

38' of 25

See footnotes at end of table.

Drill cutting samples received January 26, 1962; assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-3574P, Sheet No. 1 of 5 sheets March 19, 1962

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shamrock Oil and Gas Corporation's Rock House Unit, Well No. 8 (Con.)

Derrick floor elevation 5,732 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal. per ton		of oil at	Tendency to	
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil	Water	60°/60° F.	coke	Remarks
SBR62-4037	590-600	79237	8.2	0.6	89.5	1.7	21.3	1.3	0.921	None	
SBR62-4038	600-610	79238	5.6	.6	91.9	1.9	14.5	1.4	.921	None	
SBR62-4039	610-620	79239	5.0	.5	92.8	1.7	13.0	1.2	.922	None	
SBR62-4040	620-630 10'	79240	4.6	.2	94.0	1.2	11.8	.6	.921	None	
SBR62-4041	640-650	79241	4.6	.8	93.3	1.3	12.0	1.8	.922	None	
SBR62-4042	650-660	79242	3.0	1.2	94.9	.9	7.7	2.9	.919	None	
SBR62-4043	660-670	79243	6.0	.6	92.7	.7	15.7	1.4	.919	None	
SBR62-4044	670-680	79244	4.6	.6	93.9	.9	12.0	1.4	.919	None	
SBR62-4045	680-690	79245	4.7	.5	93.7	1.1	12.2	1.3	.920	None	
SBR62-4046	690-700	79246	3.0	.6	95.3	1.1	7.7	1.4	.928	None	
SBR62-4047	700-710	79247	4.4	.6	93.9	1.1	11.5	1.4	.929	None	
SBR62-4048	710-720	79248	5.0	.6	93.2	1.2	12.9	1.6	.929	None	
SBR62-4049	720-730	79249	4.0	.6	94.5	.9	10.3	1.6	.928	None	
SBR62-4050	730-740	79250	4.4	.5	94.0	1.1	11.6	1.1	.915	None	
SBR62-4051	740-750	79251	6.7	1.0	91.1	1.2	17.4	2.4	.915	None	
SBR62-4052	750-760	79252	9.2	1.0	88.0	1.8	24.0	2.4	.916	Slight	
SBR62-4053	760-770	79253	10.6	1.3	85.6	2.5	27.8	3.1	.915	Slight	
SBR62-4054	770-780	79254	9.0	1.0	87.9	2.1	23.4	2.4	.921	Slight	
SBR62-4055	780-790	79255	9.2	1.0	87.6	2.2	24.0	2.4	.921	Slight	
SBR62-4056	790-800 10'	79256	7.9	.5	89.5	2.1	20.6	1.3	.920	Slight	
SBR62-4057	810-820 10'	79257	8.8	.6	88.3	2.3	22.8	1.6	.921	Slight	
SBR62-4058	830-840 10'	79258	9.2	.9	87.7	2.2	23.9	2.0	.925	Slight	
SBR62-4059	840-850	79259	7.7	.6	89.4	2.3	20.0	1.5	.924	Slight	
SBR62-4060	850-860	79260	6.8	.2	86.1	6.9	17.8a	.4		Slight	
SBR62-4061	880-890 20'	79261	8.4	.7	88.7	2.2	21.7	1.7	.925	Slight	
SBR62-4062	890-900	79262	7.6	.5	89.8	2.1	19.8	1.1	.924	Slight	
SBR62-4063	900-910	79263	6.0	.8	91.6	1.6	15.5	1.9	.922	Slight	
SBR62-4064	910-920	79264	7.4	.6	90.3	1.7	19.4	1.3	.918	Slight	
SBR62-4065	920-930	79265	5.3	.5	92.8	1.4	13.7	1.2	.925	Slight	
SBR62-4066	930-940	79266	7.3	.6	89.7	2.4	19.0	1.4	.925	Slight	

460' of 15

40' of 25

See footnotes at end of table.

Drill cutting samples received January 26, 1962; assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-3574P, Sheet No. 2 of 5 sheets March 19, 1962

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shamrock Oil and Gas Corporation's Rock House Unit, Well No. 8 (Con.)

Derrick floor elevation 5,732 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal. per ton		of oil at	Tendency to	
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil	Water	60°/60° F.	coke	Remarks
SBR62-4067	940- 950	79267	7.9	0.5	89.9	1.7	20.5	1.2	0.924	Slight	
SBR62-4068	950- 960	79268	7.6	.6	89.6	2.2	19.8	1.4	.920	Slight	
SBR62-4069	960- 970	79269	3.5	.6	94.4	1.5	9.0	1.4	.925	Slight	
SBR62-4070	970- 980	79270	2.8	.5	95.5	1.2	7.3	1.2	.918	None	
SBR62-4071	980- 990 10'	79271	2.7	.7	95.8	.8	7.1	1.6	.913	None	
SBR62-4072	1000-1010 10'	79272	2.8	1.3	94.6	1.3	7.3	3.1	.919	None	
SBR62-4073	1020-1030	79273	3.1	1.0	94.9	1.0	8.0	2.4	.921	None	
SBR62-4074	1030-1040						c				
SBR62-4075	1040-1050	79274	2.0	1.0	96.3	.7	5.1a	2.4		None	
SBR62-4076	1050-1060	79275	3.2	1.4	94.1	1.3	8.3	3.4	.923	None	
SBR62-4077	1060-1070	79276	.9	1.2	97.2	.7	2.3a	2.9		None	
SBR62-4078	1080-1098						c				
SBR62-4079	1098-1107						b				
SBR62-4080-88	1107-1190						c				
SBR62-4089	1190-1200	79277	1.1	1.3	97.4	.2	2.9a	3.1		None	
SBR62-4090	1200-1210	79278	2.6	1.3	95.7	.4	6.8a	3.1		None	
SBR62-4091	1210-1220	79279	2.7	1.5	95.0	.8	7.0	3.6	.924	None	
SBR62-4092-97	1220-1280						c				
SBR62-4098	1280-1290	79280	1.3	1.4	96.8	.5	3.5a	3.4		None	
SBR62-4099	1290-1300	79281	2.3	1.9	95.1	.7	5.9	4.6	.924	None	
SBR62-4100	1300-1310	79282	1.0	2.2	96.5	.3	2.6a	5.3		None	
SBR62-4101	1310-1320						b				
SBR62-4102-04	1320-1350						c				
SBR62-4105-11	1350-1420						b				
SBR62-4112	1420-1430	79283	1.6	1.6	96.1	.7	4.1a	3.8		None	
SBR62-4113	1430-1440	79284	1.3	.8	97.4	.5	3.4a	1.8		None	
SBR62-4114	1440-1450	79285	.9	.8	98.0	.3	2.2a	1.9		None	
SBR62-4115-19	1450-1500						b				
SBR62-4120-22	1510-1540						c				
SBR62-4123-30	1570-1650						c				

See footnotes at end of table.

Drill cutting samples received January 26, 1962; assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-3574P, Sheet No. 3 of 5 sheets March 19, 1962

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shamrock Oil and Gas Corporation's Rock House, House Unit, Well No. 8 (Con.)

Derrick floor elevation 5,732 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal. per ton				
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil	Water	of oil at 60°/60° F.	Tendency to coke	Remarks
SBR62-4131-35	1650-1700						b				
SBR62-4136	1700-1710						Trace				
SBR62-4137-39	1710-1740						c				
SBR62-4140-41	1740-1760						Trace				
SBR62-4142-43	1780-1800						c				
SBR62-4144-58	1800-1950						b				
SBR62-4159	1960-1970						Trace				
SBR62-4160	1970-1980						b				
SBR62-4161	2000-2010	79286	1.7	1.6	96.2	0.5	4.5a	3.8		None	
SBR62-4162	2010-2020	79287	.7	1.0	98.2	.1	1.7a	2.4		None	
SBR62-4163-65	2020-2050						c				
SBR62-4166-67	2050-2070						b				
SBR62-4168	2070-2080						c				
SBR62-4169-74	2080-2140						b				
SBR62-4175-77	2140-2170						c				
SBR62-4178	2170-2180						b				
SBR62-4179-80	2180-2200						Trace				
SBR62-4181-82	2200-2220						No oil				
SBR62-4183	2220-2230						Trace				
SBR62-4184	2230-2240						b				
SBR62-4185	2240-2250	79288	1.9	1.8	95.7	.6	4.9a	4.3		None	
SBR62-4186	2250-2260	79289	1.8	2.0	95.6	.6	4.8a	4.8		None	
SBR62-4187	2260-2270						b				
SBR62-4188-90	2270-2300						Trace				
SBR62-4191	2300-2310						b				
SBR62-4192-94	2310-2340						Trace				
SBR62-4195-98	2340-2380						b				
SBR62-4199	2380-2390	79290	1.8	1.6	95.9	.7	4.6a	3.7		None	
SBR62-4200	2390-2400	79291	2.2	1.9	94.7	1.2	5.8a	4.4		None	
SBR62-4201	2400-2410	79292	3.3	1.8	94.0	.9	8.7a	4.3		None	

See footnotes at end of table.

Drill cutting samples received January 26, 1962; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shamrock Oil and Gas Corporation's [redacted] Well No. 8 (Con.)

Derrick floor elevation 5,732 feet

Sample number		Run	Yield of product						Specific gravity	Properties of spent shale	
			Weight percent				Gal. per ton		of oil at	Tendency to	
Laramie	Their	No.	Oil	Water	Spent shale	Gas + loss	Oil	Water	60°/60° F.	coke	Remarks
SBR62-4202	2410-2420	79293	2.6	1.6	95.0	0.8	6.7a	3.8		None	
SBR62-4203-07	2420-2470						c				
SBR62-4208	2470-2480						b				
SBR62-4209	2480-2490						c				
SBR62-4210-14	2490-2540						b				
SBR62-4215-22	2540-2620						Trace				
SBR62-4223-26	2620-2660						b				
SBR62-4227	2660-2670						Trace				
SBR62-4228-29	2670-2690						b				
SBR62-4230	2690-2700						Trace				

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 January 26, 1962; assays made on air-dried samples

Laramie Petroleum Research Center, Laramie, Wyoming, Illustration No. SBR-3574P, Sheet No. 5 of 5 sheets March 19, 1962