

U-25

255' at 15.1
45' at 30.9
60' at 2.9
NW 1/4 NE 1/4
7.25'

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's core hole No. 2 located 500 feet South, 1800 feet West of the NE Corner
of Sec. 17, T. 11 S., R. 24 E., Uintah County, Utah

Surface elevation 5,347 feet

Mahogany marker at 508 feet

Sample number		Run No.	Yield of product				Gal. per ton		Specific gravity of oil at 60°/60° F.	Properties of spent shale		Remarks
			Weight percent		Spent shale	Gas + loss				Tendency to coke		
Laramie	Their		Oil	Water					Oil	Water		
SER56-1399	78- 79	43509	1.5	1.4	96.5	0.6	3.7a	3.5			None	
SER56-1400	79- 80	43510	.6	.9	98.0	.5	1.4a	2.3			None	
SER56-1401	80- 81	43511	1.4	1.3	96.5	.8	3.6a	3.1			None	
SER56-1402	81- 82	43512	.9	1.1	97.2	.8	2.4a	2.6			None	
SER56-1403	82- 83	43513	1.4	1.0	96.7	.9	3.6a	2.4			None	
SER56-1404	83- 84	43514	1.2	1.3	96.6	.9	3.0a	3.1			None	
SER56-1405	84- 85	43515	1.3	.9	96.9	.9	3.2a	2.3			None	
SER56-1406	85- 86	43516	2.3	1.4	95.2	1.1	5.9	3.4	0.939		None	
SER56-1407	86- 87	43517	1.9	1.0	96.2	.9	4.8a	2.4			None	
SER56-1408	87- 88	43518	1.6	.6	97.0	.8	4.1a	1.4			None	
SER56-1409	88- 89	43519	2.2	.6	96.4	.8	5.8	1.3	.935		None	
SER56-1410	89- 90	43520	2.2	.3	96.9	.6	5.6	.7	.928		None	
SER56-1411	90- 91	43521	2.2	.5	96.5	.8	5.7	1.2	.932		None	
SER56-1412	91- 92	43522	2.2	.6	96.5	.7	5.5	1.4	.937		None	
SER56-1413	92- 93	43523	2.4	.4	96.6	.6	6.1	1.1	.934		None	
SER56-1414	93- 94	43524	2.3	.7	96.4	.6	5.8	1.7	.937		None	
SER56-1415	94- 95	43525	3.1	1.1	95.0	.8	7.9	2.6	.949		None	
SER56-1416	95- 96	43526	3.3	.8	94.9	1.0	8.3	1.9	.945		None	
SER56-1417	96- 97	43527	3.4	.4	95.6	.6	8.6	1.1	.938		None	
SER56-1418	97- 98	43528	2.4	1.0	96.0	.6	6.0	2.4	.937		None	
SER56-1419	98- 99	43529	2.5	.6	96.2	.7	6.4	1.4	.931		None	
SER56-1420	99-100	43530	2.4	.7	95.9	1.0	6.1	1.8	.938		None	
SER56-1421	100-101	43531	2.0	.7	96.6	.7	5.2	1.6	.930		None	
SER56-1422	101-102	43532	1.8	.7	97.1	.4	4.6a	1.6			None	
SER56-1423	102-103	43533	2.1	.6	96.9	.4	5.5	1.3	.926		None	
SER56-1424	103-104	43534	2.2	.6	96.7	.5	5.7	1.4	.926		None	
SER56-1425	104-105	43535	2.0	.5	97.0	.5	5.2	1.2	.927		None	
SER56-1426	105-106	43536	1.8	1.2	96.2	.8	4.6a	2.8			None	
SER56-1427	106-107	43537	2.5	.7	96.3	.5	6.3	1.7	.938		None	
SER56-1428	107-108	43538	3.0	.3	96.1	.6	7.6	.8	.936		None	

a - Estimated.

Core samples received December 12, 1955; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's core hole No. 2 located 500 feet South, 1800 feet West of the NE Corner of Sec. 17, T. 11 S., R. 24 E., Uintah County, Utah

Surface elevation 5,347 feet

Mahogany marker at 508 feet

			Yield of product					Specific gravity		Properties of		
Sample number		Run	Weight percent		Spent	Gas +	Gal. per ton		of oil at	spent shale		
Laramie	Their	No.	Oil	Water	shale	loss	Oil	Water	60°/60° F.	Tendency to	coke	Remarks
SER56-1129	108-109	43539	2.9	0.5	95.6	0.9	7.4	1.3	.940		None	
SER56-1130	109-110	43540	2.7	.9	95.6	.8	6.8	2.2	.942		None	
SER56-1131	110-111	43541	2.9	.8	95.4	.9	7.3	2.0	.945		None	
SER56-1132	111-112	43542	2.4	1.1	95.8	.7	6.2	2.5	.942		None	
SER56-1133	112-113	43543	2.3	1.1	95.4	1.2	5.9	2.6	.938		None	
SER56-1134	113-114	43544	1.9	1.3	96.0	.8	4.7a	3.1			None	
SER56-1135	114-115	43545	1.9	1.1	96.0	1.0	4.6a	2.6			None	
SER56-1136	115-116	43546	2.1	1.0	96.1	.8	5.4	2.4	.934		None	
SER56-1137	116-117	43547	2.3	.5	96.9	.3	6.0	1.1	.930		None	
SER56-1138	117-118	43548	2.1	.6	96.8	.5	5.5	1.4	.931		None	
SER56-1139	118-119	43549	1.8	.4	97.1	.7	4.6	.8			None	
SER56-1140	119-120	43550	2.4	.3	96.8	.5	6.1	.8	.934		None	
SER56-1141	120-121	43551	3.0	.3	96.0	.7	7.6	.8	.938		None	
SER56-1142	121-122	43552	3.3	.5	95.4	.8	8.5	1.1	.938		None	
SER56-1143	122-123	43553	2.9	.8	95.3	1.5	7.5	1.9	.943		None	
SER56-1144	123-124	43554	2.6	.9	95.6	.9	6.7	2.0	.940		None	
SER56-1145	124-125	43555	3.0	.7	95.3	1.0	7.6	1.8	.943		None	
SER56-1146	125-126	43556	3.1	.5	95.7	.7	7.8	1.2	.942		None	
SER56-1147	126-127	43557	2.7	.4	96.5	.4	6.9	1.0	.936		None	
SER56-1148	127-128	43558	2.7	.7	95.7	.9	7.0	1.6	.937		None	
SER56-1149	128-129	43559	2.8	.5	96.2	.5	7.1	1.2	.936		None	
SER56-1150	129-130	43560	3.0	.5	96.0	.5	7.7	1.1	.935		None	
SER56-1151	130-131	43561	3.0	.5	96.2	.3	7.6	1.1	.941		None	
SER56-1152	131-132	43562	2.4	.7	96.5	.4	6.0	1.8	.935		None	
SER56-1153	132-133	43563	2.4	.8	96.5	.3	6.3	1.8	.936		None	
SER56-1154	133-134	43564	2.1	.8	96.2	.9	5.3	2.0	.938		None	
SER56-1155	134-135	43565	2.4	.9	96.2	.5	6.1	2.0	.938		None	
SER56-1156	135-136	43566	3.0	.4	96.0	.6	7.7	.8	.936		None	
SER56-1157	136-137	43567	2.9	.4	96.0	.7	7.4	1.0	.934		None	
SER56-1158	137-138	43568	2.0	.7	96.6	.7	4.9a	1.7			None	

a - Estimated.

Core samples received December 12, 1955; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's core hole No. 2 located 500 feet South, 1800 feet West of the NE Corner of Sec. 17, T. 11 S., R. 24 E., Uintah County, Utah

Surface elevation 5,347 feet

Manogany marker at 508 feet

			Yield of product				Specific gravity		Properties of		
Sample number		Run	Weight percent		Spent	Gas +	Gal. per ton		of oil at	spent shale	
Laramie	Their	No.	Oil	Water	shale	loss	Oil	Water	60°/60° F.	Tendency to	Remarks
										coke	
SBR56-1459	138-139	43569	2.3	0.8	96.2	0.7	5.8	2.0	0.928	None	
SBR56-1460	139-140	43570	3.5	.6	95.0	0.9	9.2	1.3	.925	None	
SBR56-1461	140-141	43571	1.8	.4	96.8	1.0	11.4a	1.0		None	
SBR56-1462	141-142	43572	8.6	.5	89.5	1.4	22.3	1.1	.923	None	
SBR56-1463	142-143	43573	2.8	.4	96.0	.8	7.3	.8	.938	None	
SBR56-1464	143-144	43574	2.4	.2	96.4	1.0	6.2	.6	.931	None	
SBR56-1465	144-145	43575	2.4	.1	96.9	.6	6.2	.4	.925	None	
SBR56-1466	145-146	43576	2.1	.3	97.0	.6	5.5	.6	.925	None	
SBR56-1467	146-147	43577	2.3	.2	96.8	.7	5.8	.6	.927	None	
SBR56-1468	147-148	43578	5.5	.3	93.2	1.0	11.3	.6	.923	None	
SBR56-1469	148-149	43579	4.3	.2	91.5	1.0	11.3	.4	.924	None	
SBR56-1470	149-150	43580	7.4	.3	91.0	1.3	19.6	.6	.911	None	
SBR56-1471	150-151	43581	9.3	.3	88.8	1.6	24.5	.7	.908	None	
SBR56-1472	151-152	43582	15.3	.5	81.6	2.6	40.4	1.2	.909	Slight	
SBR56-1473	152-153	43583	4.2	.1	91.3	1.4	11.0	.2	.925	None	
SBR56-1474	153-154	43584	4.1	.0	91.7	1.2	20.7	.1	.917	None	
SBR56-1475	154-155	43585	3.3	.2	95.3	1.2	8.6	.4	.928	None	
SBR56-1476	155-156	43586	2.6	.2	96.1	1.1	6.8	.4	.926	None	
SBR56-1477	156-157	43587	2.8	.2	96.1	.9	7.3	.4	.923	None	
SBR56-1478	157-158	43588	6.6	.4	91.5	1.5	17.2	.8	.923	None	
SBR56-1479	158-159	43589	10.9	.5	86.2	2.4	28.3	1.3	.922	Slight	
SBR56-1480	159-160	43590	3.8	.4	94.4	1.4	10.0	.8	.925	None	
SBR56-1481	160-161	43591	2.8	.1	96.6	.5	7.1	.4	.937	None	
SBR56-1482	160-161	43592	3.1	.1	96.0	.8	7.9	.2	.937	None	
SBR56-1483	161-162	43593	2.7	.1	96.4	.8	7.0	.2	.938	None	
SBR56-1484	162-163	43594	3.4	.0	95.8	.8	8.8	.0	.930	None	
SBR56-1485	163-164	43595	4.9	.1	91.2	.8	12.9	.2	.914	None	
SBR56-1486	164-165	43596	2.9	.2	95.9	1.0	7.4	.4	.944	None	
SBR56-1487	165-166	43597	4.3	.2	91.5	1.0	11.2	.5	.930	None	
SBR56-1488	166-167	43598	8.9	.5	88.7	1.9	23.1	1.1	.927	Slight	

a - Estimated.

Core samples received December 12, 1955; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's core hole No. 2 located 500 feet South, 1800 feet West of the NE Corner of Sec. 17, T. 11 S., R. 24 E., Uintah County, Utah

Surface elevation 5,347 feet

Mahogany marker at 508 feet

Sample number		Run No.	Yield of product				Specific gravity of oil at 60°/60° F.		Properties of spent shale		Remarks
Laramie	Their		Weight percent		Spent shale	Gas + loss	Gal. per ton		Tendency to	coke	
		Oil	Water	Oil			Water				
SER56-1489	167-168	43599	4.9	0.2	93.9	1.0	12.7	0.4	0.930	None	
SER56-1490	168-169	43600	3.4	.1	95.7	.8	8.6	.4	.943	None	
SER56-1491	169-170	43601	2.8	.1	97.1	.0	7.0	.2	.935	None	
SER56-1492	170-171	43602	2.3	.2	97.0	.5	5.9	.4	.933	None	
SER56-1493	171-172	43603	2.2	.1	96.8	.9	5.6	.2	.932	None	
SER56-1494	172-173	43604	2.2	.2	97.5	.1	5.8	.4	.931	None	
SER56-1495	173-174	43605	2.1	.1	97.4	.4	5.3	.4	.938	None	
SER56-1496	174-175	43606	3.0	.1	96.2	.7	7.6	.4	.938	None	
SER56-1497	175-176	43607	2.8	.1	96.7	.4	7.1	.2	.936	None	
SER56-1498	176-177	43608	6.9	.4	91.3	1.4	18.0	1.0	.922	None	
SER56-1499	177-178	43609	8.0	.3	90.2	1.5	20.9	.7	.916	None	
SER56-1500	178-179	43610	7.9	.4	90.1	1.6	20.7	.8	.917	None	
SER56-1501	179-180	43611	6.5	.3	91.7	1.5	17.0	.7	.920	None	
SER56-1502	180-181	43612	5.1	.3	93.4	1.2	13.2	.7	.922	None	
SER56-1503	181-182	43613	2.0	.2	97.3	.5	5.0a	.5		None	
SER56-1504	182-183	43614	3.1	.1	96.4	.4	8.1	.2	.914	None	
SER56-1505	183-184	43615	1.8	.1	97.6	.5	4.5a	.1		None	
SER56-1506	184-185	43616	1.8	.0	97.9	.3	4.5a	.1		None	
SER56-1507	185-186	43617	1.7	.1	98.0	.2	4.3a	.4		None	
SER56-1508	186-187	43618	1.7	.2	98.0	.1	4.2a	.5		None	
SER56-1509	187-188	43619	1.6	.2	97.8	.4	4.1a	.4		None	
SER56-1510	188-189	43620	1.7	.2	97.9	.2	4.2a	.6		None	
SER56-1511	189-190	43621	3.3	.2	95.8	.7	8.6	.6	.920	None	
SER56-1512	190-191	43622	13.9	.7	83.1	2.3	35.9	1.7	.925	Moderate	
SER56-1513	191-192	43623	5.0	.2	93.8	1.0	12.7	.5	.943	None	
SER56-1514	192-193	43624	2.4	.1	97.2	.3	6.3	.2	.917	None	
SER56-1515	193-194	43625	1.9	.2	97.6	.3	4.7a	.5		None	
SER56-1516	194-195	43626	2.3	.4	96.9	.4	6.0	.8	.932	None	
SER56-1517	195-196	43627	1.4	.3	97.7	.6	3.6a	.7		None	
SER56-1518	196-197	43628	1.3	.3	98.0	.4	3.4a	.7		None	

a - Estimated.

Core samples received December 12, 1955; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's core hole No. 2 located 500 feet South, 1500 feet West of the NE Corner of Sec. 17, T. 11 S., R. 24 E., Uintah County, Utah

Surface elevation 5,347 feet

Mahogany marker at 508 feet

			Yield of product					Specific gravity of oil at 60°/60° F.	Properties of spent shale		Remarks
Sample number		Run No.	Weight percent		Spent shale	Gas + loss	Gal. per ton		Tendency to		
			Oil	Water			Oil			Water	
Laramie	Their										
SER56-1519	197-198	43629	1.4	0.3	97.7	0.6	3.6a	0.6		None	
SER56-1520	198-199	43630	1.8	.4	97.3	.5	4.6a	.6		None	
SER56-1521	199-200	43631	1.8	.4	97.2	.6	4.4a	1.0		None	
SER56-1522	200-201	43632	1.4	.5	97.6	.5	3.6a	1.1		None	
SER56-1523	201-202	43633	.6	.6	98.4	.4	1.5a	1.3		None	
SER56-1524	202-203	43634	1.9	.5	97.2	.4	4.6a	1.1		None	
SER56-1525	203-204	43635	3.0	.3	96.2	.5	7.5	.8	0.937	None	
SER56-1526	204-205	43636	2.5	.5	96.4	.6	6.5	1.1	.935	None	
SER56-1527	205-206	43637	2.0	.3	95.9	1.8	5.2	.7	.932	None	
SER56-1528	206-207	43638	2.3	.3	96.7	.7	6.0	.7	.931	None	
SER56-1529	207-208	43639	2.6	.1	96.8	.5	6.6	.4	.934	None	
SER56-1530	208-209	43640	1.7	.3	97.8	.2	4.4a	.7		None	
SER56-1531	209-210	43641	4.5	.1	95.0	.4	11.6	.2	.925	None	
SER56-1532	210-211	43642	16.0	.9	80.8	2.3	41.7	2.0	.922	Slight	
SER56-1533	211-212	43643	4.0	.2	95.0	.8	10.1	.6	.941	None	
SER56-1534	212-213	43644	2.9	.3	96.0	.8	7.5	.6	.939	None	
SER56-1535	213-214	43645	2.4	.2	97.3	.1	6.1	.5	.931	None	
SER56-1536	214-215	43646	2.7	.1	96.8	.4	6.9	.4	.932	None	
SER56-1537	215-216	43647	2.8	.1	96.8	.3	7.1	.2	.933	None	
SER56-1538	216-217	43648	3.2	.2	95.7	.9	8.2	.5	.932	None	
SER56-1539	217-218	43649	3.1	.2	95.9	.8	8.0	.5	.933	None	
SER56-1540	218-219	43650	3.2	.3	96.1	.4	8.2	.7	.935	None	
SER56-1541	219-220	43651	3.9	.2	95.2	.7	10.0	.5	.925	None	
SER56-1542	220-221	43652	3.3	.2	95.6	.9	8.4	.5	.931	None	
SER56-1543	221-222	43653	2.9	.1	96.1	.9	7.4	.2	.927	None	
SER56-1544	222-223	43654	4.0	.2	94.8	1.0	10.2	.6	.933	None	
SER56-1545	223-224	43655	3.4	.1	96.2	.3	8.8	.2	.931	None	
SER56-1546	224-225	43656	4.5	.2	94.4	.9	11.5	.6	.930	None	
SER56-1547	225-226	43657	3.9	.1	95.7	.3	10.0	.4	.926	None	
SER56-1548	226-227	43658	4.1	.2	95.3	.4	10.5	.5	.933	None	

a - Estimated.

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Surface elevation 5,347 feet

Mahogany marker at 508 feet

			Yield of product						Specific gravity	Properties of	
Sample number		Run	Weight percent		Spent	Gas +	Gal. per ton		of oil at	spent shale	
Laramie	Their	No.	Oil	Water	shale	loss	Oil	Water	60°/60° F.	Tendency to	Remarks
SER56-1549	227-228	43659	4.0	0.2	95.3	0.5	10.2	0.5	0.941	None	
SER56-1550	228-229	43660	4.6	.3	94.6	.5	11.9	.7	.935	None	
SER56-1551	229-230	43661	4.5	.2	94.6	.7	11.6	.4	.935	None	
SER56-1552	230-231	43662	5.2	.1	94.1	.6	13.2	.4	.935	None	
SER56-1553	231-232	43663	2.7	.1	95.3	.9	9.6	.2	.935	None	
SER56-1554	232-233	43664	3.1	.1	96.0	.8	8.1	.2	.930	None	
SER56-1555	233-234	43665	2.7	.1	96.5	.7	7.0	.1	.926	None	
SER56-1556	234-235	43666	2.7	.2	96.6	.5	7.0	.4	.931	None	
SER56-1557	235-236	43667	2.5	.1	95.4	1.0	9.0	.2	.938	None	
SER56-1558	236-237	43668	4.8	.2	94.0	1.0	12.3	.5	.934	None	
SER56-1559	237-238	43669	6.5	.1	91.7	1.7	16.8	.1	.936	None	
SER56-1560	238-239	43670	2.3	.2	96.8	.7	6.0	.4	.929	None	
SER56-1561	239-240	43671	2.5	.1	96.7	.7	6.5	.2	.931	None	
SER56-1562	240-241	43672	2.8	.2	96.3	.7	7.2	.5	.925	None	
SER56-1563	241-242	43673	3.7	.1	95.6	.6	9.5	.2	.929	None	
SER56-1564	242-243	43674	3.7	.2	95.9	.2	9.5	.4	.937	None	
SER56-1565	243-244	43675	4.0	.2	95.3	.5	10.4	.4	.936	None	
SER56-1566	244-245	43676	4.4	.2	94.8	.6	11.3	.4	.933	None	
SER56-1567	245-246	43677	4.5	.2	94.7	.6	11.6	.5	.935	None	
SER56-1568	246-247	43678	4.4	.2	94.8	.6	11.2	.4	.940	None	
SER56-1569	247-248	43679	3.5	.1	95.5	.9	8.9	.2	.943	None	
SER56-1570	248-249	43680	3.2	.1	95.8	.9	8.2	.2	.942	None	
SER56-1571	249-250	43681	4.2	.1	94.7	1.0	10.6	.4	.946	None	
SER56-1572	250-251	43682	4.8	.2	94.0	1.0	12.3	.4	.940	None	
SER56-1573	251-252	43683	4.1	.1	95.4	.4	10.5	.4	.930	None	
SER56-1574	252-253	43684	3.7	.3	95.5	.5	9.5	.7	.935	None	
SER56-1575	253-254	43685	3.8	.2	95.5	.5	9.7	.5	.941	None	
SER56-1576	254-255	43686	5.2	.2	93.8	.8	13.5	.5	.924	None	
SER56-1577	255-256	43687	3.6	.1	95.0	1.3	9.3	.2	.933	None	
SER56-1578	256-257	43688	4.6	.2	93.7	1.5	11.9	.5	.931	None	

Core samples received December 12, 1955; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's core hole No. 2 located 500 feet South, 1800 feet West of the NE Corner of Sec. 17, T. 11 S., R. 24 E., Uintah County, Utah

Surface elevation 5,347 feet

Mahogany marker at 508 feet

Sample number		Run No.	Yield of product				Gal. per ton		Specific gravity of oil at 60°/60° F.	Properties of spent shale		Remarks
			Weight percent		Spent shale	Gas + loss				Tendency to coke		
Laramie	Their		Oil	Water					Oil		Water	
SER56-1579	257-258	43689	3.6	0.1	95.1	1.2	9.3	0.4	0.927	None		
SER56-1580	258-259	43690	3.3	.3	95.5	.9	8.4	.7	.925	None		
SER56-1581	259-260	43691	3.8	.2	94.8	1.2	9.7	.5	.932	None		
SER56-1582	260-261	43692	3.6	.3	94.9	1.2	9.3	.6	.937	None		
SER56-1583	261-262	43693	3.2	.3	95.1	1.4	8.2	.6	.935	None		
SER56-1584	262-263	43694	7.4	.5	90.6	1.5	19.2	1.1	.929	None		
SER56-1585	263-264	43695	3.6	.2	95.4	.8	9.3	.4	.925	None		
SER56-1586	264-265	43696	3.2	.2	95.9	.7	8.2	.5	.925	None		
SER56-1587	265-266	43697	2.1	.2	96.9	.8	5.4	.5	.925	None		
SER56-1588	266-267	43698	2.7	.2	96.3	.8	7.0	.5	.923	None		
SER56-1589	267-268	43699	3.5	.2	95.4	.9	9.0	.5	.928	None		
SER56-1590	268-269	43700	4.2	.2	94.5	1.1	10.7	.6	.938	None		
SER56-1591	269-270	43701	4.2	.3	94.5	1.0	10.6	.7	.938	None		
SER56-1592	270-271	43702	4.0	.2	94.7	1.1	10.1	.6	.936	None		
SER56-1593	271-272	43703	3.0	.2	96.2	.6	7.9	.4	.926	None		
SER56-1594	272-273	43704	2.2	.3	97.1	.4	5.8	.6	.925	None		
SER56-1595	273-274	43705	2.8	.2	96.5	.5	7.3	.4	.927	None		
SER56-1596	274-275	43706	2.9	.3	96.4	.4	7.6	.7	.928	None		
SER56-1597	275-276	43707	3.0	.3	96.2	.5	7.8	.6	.927	None		
SER56-1598	276-277	43708	2.8	.2	96.7	.3	7.4	.5	.923	None		
SER56-1599	277-278	43709	6.6	.2	92.0	1.2	17.0	.6	.929	None		
SER56-1600	278-279	43710	2.8	.3	96.4	.5	7.2	.6	.931	None		
SER56-1601	279-280	43711	2.5	.2	96.6	.7	6.4	.5	.929	None		
SER56-1602	280-281	43712	2.3	.3	96.3	1.1	6.0	.6	.932	None		
SER56-1603	281-282	43713	2.5	.3	96.6	.6	6.5	.7	.932	None		
SER56-1604	282-283	43714	2.2	.4	96.5	.9	5.7	1.0	.926	None		
SER56-1605	283-284	43715	2.3	.4	96.5	.8	6.0	.8	.925	None		
SER56-1606	284-285	43716	2.3	.4	96.0	1.3	6.0	1.0	.933	None		
SER56-1607	285-286	43717	2.2	.4	96.5	.9	5.6	1.0	.931	None		
SER56-1608	286-287	43718	2.4	.5	96.2	.9	6.2	1.2	.931	None		

Core samples received December 12, 1955; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's core hole No. 2 located 500 feet South, 1800 feet West of the NE Corner of Sec. 17, T. 11 S., R. 24 E., Uintah County, Utah

Surface elevation 5,347 feet

Mahogany marker at 508 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		Gal. per ton						
Laramie	Their		Oil	Water	Spent shale	Gas + loss	Oil	Water			
SER56-1609	287-288	43719	2.4	0.4	96.5	0.7	6.1	0.8	0.936	None	
SER56-1610	288-289	43720	2.4	.5	96.1	1.0	6.1	1.2	.938	None	
SER56-1611	289-290	43721	2.8	.4	96.2	.6	7.3	.8	.935	None	
SER56-1612	290-291	43722	2.6	.5	96.3	.6	6.7	1.2	.933	None	
SER56-1613	291-292	43723	2.2	.5	96.9	.4	5.6	1.2	.929	None	
SER56-1614	292-293	43724	1.7	.6	97.0	.7	4.2a	1.6		None	
SER56-1615	293-294	43725	2.4	.5	96.6	.5	6.2	1.2	.929	None	
SER56-1616	294-295	43726	3.0	.4	95.9	.7	7.6	1.0	.934	None	
SER56-1617	295-296	43727	6.7	.4	92.8	.1	17.3	.8	.928	None	3.03
SER56-1618	296-297	43728	6.8	1.0	91.3	.9	17.5	2.4	.929	None	
SER56-1619	297-298	43729	2.5	.6	96.8	.1	6.4	1.6	.928	None	
SER56-1620	298-299	43730	2.5	.6	96.8	.1	6.4	1.6	.927	None	
SER56-1621	299-300	43731	2.4	.5	97.0	.1	6.1	1.3	.930	None	
SER56-1622	300-301	43732	2.3	.6	97.0	.1	5.9	1.4	.927	None	
SER56-1623	301-302	43733	2.3	.6	97.0	.1	6.0	1.4	.927	None	
SER56-1624	302-303	43734	8.6	.6	89.9	.9	22.1	1.4	.927	None	
SER56-1625	303-304	43735	4.2	.2	95.2	.4	10.7	.6	.935	None	
SER56-1626	304-305	43736	3.5	.5	94.9	1.1	9.1	1.1	.935	None	
SER56-1627	305-306	43737	3.3	.4	95.6	.7	8.5	1.0	.936	None	
SER56-1628	306-307	43738	2.7	.6	96.3	.4	7.0	1.4	.931	None	
SER56-1629	307-308	43739	2.8	.5	96.0	.7	7.2	1.2	.937	None	
SER56-1630	308-309	43740	3.5	.4	95.8	.3	9.0	1.0	.936	None	
SER56-1631	309-310	43741	4.5	.3	94.2	1.0	11.6	.7	.935	None	3
SER56-1632	310-311	43742	3.6	.5	95.2	.7	9.2	1.2	.938	None	
SER56-1633	311-312	43743	2.3	.8	96.5	.4	6.0	1.8	.931	None	
SER56-1634	312-313	43744	1.9	1.0	96.3	.8	4.9a	2.4		None	
SER56-1635	313-314	43745	2.4	.9	96.2	.5	6.1	2.2	.929	None	
SER56-1636	314-315	43746	3.1	.7	95.6	.6	8.1	1.6	.930	None	5
SER56-1637	315-316	43747	4.1	.4	94.4	1.1	10.6	1.0	.932	None	
SER56-1638	316-317	43748	3.0	.4	95.8	.8	7.6	1.1	.930	None	

a - Estimated.

Core samples received December 12, 1955; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's core hole No. 2 located 500 feet South, 1800 feet West of the NE Corner of Sec. 17, T. 11 S., R. 24 E., Uintah County, Utah

Surface elevation 5,347 feet

Mahogany marker at 508 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
			Weight percent		Spent shale	Gas + loss					
Laramie	Their		Oil	Water					Oil	Water	
SER56-1639	317-318	43749	6.7	0.5	91.4	1.4	17.2	1.3	0.934	None	
SER56-1640	318-319	43750	2.4	.7	96.4	.5	6.1	1.7	.932	None	
SER56-1641	319-320	43751	2.0	.9	96.8	.3	5.2	2.0	.925	None	
SER56-1642	320-321	43752	3.9	.5	94.8	.8	10.1	1.2	.929	None	
SER56-1643	321-322	43753	3.7	.5	95.3	.5	9.6	1.1	.930	None	
SER56-1644	322-323	43754	3.2	.5	95.9	.4	8.2	1.2	.925	None	
SER56-1645	323-324	43755	6.1	.5	92.4	1.0	15.9	1.2	.916	None	
SER56-1646	324-325	43756	4.5	.7	94.0	.8	11.6	1.7	.924	None	
SER56-1647	325-326	43757	3.3	.6	95.1	1.0	8.4	1.4	.926	None	
SER56-1648	326-327	43758	2.8	.9	95.6	.7	7.3	2.0	.924	None	
SER56-1649	327-328	43759	2.0	.6	96.7	.7	5.0a	1.4		None	
SER56-1650	328-329	43760	10.2	.8	86.3	2.7	26.7	1.8	.916	None	
SER56-1651	329-330	43761	7.2	.5	90.8	1.5	18.5	1.2	.930	None	
SER56-1652	330-331	43762	2.9	.6	95.0	1.5	7.4	1.6	.930	None	
SER56-1653	331-332	43763	2.3	.7	95.7	1.3	6.1	1.7	.925	None	
SER56-1654	332-333	43764	2.5	.8	95.6	1.1	6.5	1.9	.932	None	
SER56-1655	333-334	43765	2.9	.8	95.2	1.1	7.5	2.0	.929	None	
SER56-1656	334-335	43766	4.8	.6	93.2	1.4	12.5	1.4	.926	None	
SER56-1657	335-336	43767	7.5	.4	90.9	1.2	19.1	1.0	.933	None	
SER56-1658	336-337	43768	3.8	.7	94.3	1.2	9.8	1.7	.925	None	
SER56-1659	337-338	43769	3.0	.7	95.2	1.1	7.9	1.6	.925	None	
SER56-1660	338-339	43770	3.5	.7	94.6	1.2	9.1	1.7	.924	None	
SER56-1661	339-340	43771	9.1	.6	88.4	1.9	23.8	1.6	.915	None	
SER56-1662	340-341	43772	5.9	.6	92.0	1.5	15.1	1.3	.933	None	
SER56-1663	341-342	43773	3.5	.5	94.8	1.2	8.9	1.3	.936	None	
SER56-1664	342-343	43774	3.4	.6	95.1	.9	8.6	1.4	.938	None	
SER56-1665	343-344	43775	4.1	.4	94.2	1.3	10.4	1.1	.942	None	
SER56-1666	344-345	43776	4.8	.3	93.7	1.2	12.4	.7	.936	None	
SER56-1667	345-346	43777	5.1	.3	93.5	1.1	13.2	.6	.931	None	
SER56-1668	346-347	43778	5.1	.8	92.8	1.3	13.3	1.8	.921	None	

a - Estimated.

Core samples received December 12, 1954; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's core hole No. 2 located 500 feet South, 1800 feet West of the NE Corner of Sec. 17, T. 11 S., R. 24 E., Uintah County, Utah

Surface elevation 5,347 feet

Mahogany marker at 508 feet

Surface elevation 5,547 feet

Sample number		Run No.	Yield of product				Gal. per ton		Specific gravity of oil at 60°/60° F.	Properties of	Remarks
			Weight percent		Spent shale	Gas + loss				Tendency to	
Laramie	Their	Oil	Water	Oil			Water	coke			
SER56-1669	347-348	43779	6.4	0.6	91.4	1.6	16.6	1.6	0.923	None	
SER56-1670	348-349	43780	4.5	.6	93.5	1.4	11.6	1.4	.932	None	
SER56-1671	349-350	43781	5.2	.4	92.8	1.6	13.2	1.0	.935	None	
SER56-1672	350-351	43782	5.2	.4	93.1	1.3	13.3	1.1	.935	None	
SER56-1673	351-352	43783	4.5	.3	94.7	.5	11.6	.7	.932	None	
SER56-1674	352-353	43784	5.0	.4	93.9	.7	12.9	.8	.931	None	
SER56-1675	353-354	43785	5.6	.3	93.2	.9	14.4	.7	.931	None	
SER56-1676	354-355	43786	5.2	.5	93.7	.6	13.5	1.2	.928	None	
SER56-1677	355-356	43787	5.2	.4	93.9	.5	13.4	1.0	.923	None	
SER56-1678	356-357	43788	5.4	.3	91.8	2.5	14.1	.7	.913	None	
SER56-1679	357-358	43789	5.8	.4	92.5	1.3	15.4	.8	.910	None	
SER56-1680	358-359	43790	5.4	.4	93.4	.8	14.2	1.1	.910	None	
SER56-1681	359-360	43791	4.5	1.3	93.1	1.1	11.6	3.1	.921	None	
SER56-1682	360-361	43792	4.9	.7	93.3	1.1	12.9	1.6	.919	None	
SER56-1683	361-362	43793	5.3	.7	93.0	1.0	13.9	1.6	.921	None	
SER56-1684	362-363	43794	5.8	.9	91.9	1.4	15.0	2.3	.922	None	
SER56-1685	363-364	43795	6.5	.9	91.0	1.6	16.9	2.3	.917	None	
SER56-1686	364-365	43796	5.5	.9	92.4	1.2	14.4	2.2	.921	None	
SER56-1687	365-366	43797	7.4	.7	90.6	1.3	16.8	1.7	.927	None	
SER56-1688	366-367	43798	10.6	.9	86.4	2.1	27.5	2.3	.919	None	
SER56-1689	367-368	43799	7.8	.7	89.6	1.9	20.3	1.7	.916	None	
SER56-1690	368-369	43800	9.0	1.0	87.9	2.1	23.6	2.4	.914	None	
SER56-1691	369-370	43801	6.9	1.0	90.3	1.8	18.1	2.4	.909	None	
SER56-1692	370-371	43802	5.3	1.1	92.0	1.6	13.9	2.6	.911	None	
SER56-1693	371-372	43803	4.0	1.1	93.6	1.3	10.4	2.6	.918	None	
SER56-1694	372-373	43804	4.0	.8	93.9	1.3	10.3	1.9	.925	None	
SER56-1695	373-374	43805	5.3	.8	92.2	1.7	13.9	1.9	.916	None	
SER56-1696	374-375	43806	3.8	1.1	93.7	1.4	10.1	2.6	.915	None	
SER56-1697	375-376	43807	3.0	.9	95.6	.5	7.9	2.2	.923	None	
SER56-1698	376-377	43808	3.3	1.0	94.7	1.0	8.7	2.4	.922	None	

Core samples received December 12, 1955; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's core hole No. 2 located 500 feet South, 1800 feet West of the NE Corner of Sec. 17, T. 11 S., R. 24 E., Uintah County, Utah

Surface elevation 5,347 feet

Mahogany marker at 508 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		Gal. per ton					
Laramie	Their		Oil	Water	Spent shale	Gas + loss	Oil	Water		
SER56-1699	377-378	43809	6.1	0.8	92.0	1.1	15.8	1.9	.921	None
SER56-1700	378-379	43810	8.7	1.1	88.3	1.9	22.8	2.6	.917	None
SER56-1701	379-380	43811	3.6	1.3	94.1	1.0	9.5	3.1	.916	None
SER56-1702	380-381	43812	3.2	1.3	95.1	.4	8.3	3.1	.920	None
SER56-1703	381-382	43813	4.2	1.0	94.0	.8	10.8	2.4	.921	None
SER56-1704	382-383	43814	5.2	1.0	92.5	1.3	13.5	2.5	.915	None
SER56-1705	383-384	43815	2.1	.9	96.3	.7	5.4	2.3	.918	None
SER56-1706	384-385	43816	3.1	1.3	94.6	1.0	8.0	3.1	.920	None
SER56-1707	385-386	43817	3.4	1.3	94.2	1.1	9.0	3.1	.919	None
SER56-1708	386-387	43818	3.6	1.1	94.4	.9	9.5	2.6	.918	None
SER56-1709	387-388	43819	4.5	.8	93.8	.9	11.6	1.9	.918	None
SER56-1710	388-389	43820	8.5	1.1	88.3	2.1	22.2	2.6	.916	None
SER56-1711	389-390	43821	3.3	1.1	94.8	.8	8.6	2.6	.919	None
SER56-1712	390-391	43822	3.5	1.3	94.0	1.2	9.1	3.1	.919	None
SER56-1713	391-392	43823	3.7	.8	94.2	1.3	9.5	1.9	.923	None
SER56-1714	392-393	43824	3.1	.8	94.7	1.4	8.1	1.9	.923	None
SER56-1715	393-394	43825	2.7	.9	95.2	1.2	7.1	2.2	.926	None
SER56-1716	394-395	43826	7.7	.9	89.3	2.1	20.0	2.2	.923	None
SER56-1717	395-396	43827	3.9	.7	94.0	1.4	10.1	1.7	.928	None
SER56-1718	396-397	43828	4.0	1.0	93.6	1.4	10.2	2.4	.930	None
SER56-1719	397-398	43829	2.3	1.1	95.3	1.3	6.0	2.6	.932	None
SER56-1720	398-399	43830	2.8	.9	95.2	1.1	7.3	2.2	.935	None
SER56-1721	399-400	43831	6.8	.8	90.6	1.8	17.7	1.8	.921	None
SER56-1722	400-401	43832	7.3	.8	89.5	1.9	20.3	1.8	.924	None
SER56-1723	401-402	43833	3.4	.8	94.9	.9	8.8	1.8	.925	None
SER56-1724	402-403	43834	3.3	1.0	94.6	1.1	8.6	2.4	.920	None
SER56-1725	403-404	43835	3.7	1.2	93.6	1.5	9.7	2.9	.919	None
SER56-1726	404-405	43836	7.7	1.3	89.1	1.9	20.3	3.1	.913	None
SER56-1727	405-406	43837	15.0	1.3	80.4	3.3	38.9	3.1	.921	None
SER56-1728	406-407	43838	3.0	1.0	95.0	1.0	7.9	2.4	.925	None

Core samples received December 12, 1955; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's core hole No. 2 located 500 feet South, 1800 feet West of the NE Corner of Sec. 17, T. 11 S., R. 24 E., Uintah County, Utah

Surface elevation 5,347 feet

Mahogany marker at 508 feet

Sample number		Run No.	Yield of product				Gal. per ton		Specific gravity of oil at 60°/60° F.	Properties of spent shale		Remarks
			Weight percent		Spent shale	Gas + loss				Tendency to coke		
			Laramie	Their			Oil	Water			Oil	
SER56-1729	407-408	43839	2.9	1.0	95.9	0.2	7.5	2.4	.926	None		
SER56-1730	408-409	43840	2.6	1.3	95.6	.5	6.7	3.1	.926	None		
SER56-1731	409-410	43841	2.9	1.2	95.6	.3	7.6	2.9	.925	None		
SER56-1732	410-411	43842	4.3	1.0	94.0	.7	11.2	2.4	.923	None		
SER56-1733	411-412	43843	5.6	.7	93.2	.5	14.6	1.8	.912	None		
SER56-1734	412-413	43844	3.8	1.2	94.3	.7	9.9	2.9	.921	None		
SER56-1735	413-414	43845	4.3	1.2	94.1	.4	11.1	2.9	.922	None		
SER56-1736	414-415	43846	6.9	1.2	90.6	1.3	18.2	2.8	.916	None		
SER56-1737	415-416	43847	11.0	1.1	85.3	2.6	28.5	2.6	.921	None		
SER56-1738	416-417	43848	3.5	1.0	94.0	1.5	9.0	2.5	.925	None		
SER56-1739	417-418	43849	1.6	.8	96.6	1.0	4.0a	2.0		None		
SER56-1740	418-419	43850	1.3	1.2	96.8	.7	3.2a	2.9		None		
SER56-1741	419-420	43851	3.5	1.5	94.0	1.0	9.2	3.6	.927	None		
SER56-1742	420-421	43852	6.8	1.0	90.3	1.9	17.6	2.4	.922	None		
SER56-1743	421-422	43853	3.8	1.0	93.8	1.4	9.9	2.4	.923	None		
SER56-1744	422-423	43854	4.1	1.2	93.3	1.4	10.8	2.9	.919	None		
SER56-1745	423-424	43855	3.7	1.2	94.4	.7	9.7	2.8	.921	None		
SER56-1746	424-425	43856	5.1	1.3	92.8	.8	13.2	3.1	.922	None		
SER56-1747	425-426	43857	7.0	1.4	90.8	.8	18.4	3.4	.911	None		
SER56-1748	426-427	43858	4.0	1.0	94.4	.6	10.3	2.3	.932	None		
SER56-1749	427-428	43859	3.3	1.1	94.9	.7	8.5	2.5	.934	None		
SER56-1750	428-429	43860	3.2	1.0	95.8	.0	8.1	2.4	.931	None		
SER56-1751	429-430	43861	3.8	1.2	94.3	.7	9.9	2.8	.928	None		
SER56-1752	430-431	43862	6.3	1.9	90.9	.9	16.4	4.6	.917	None		
SER56-1753	431-432	43863	4.3	1.2	93.7	.8	10.9	2.9	.933	None		
SER56-1754	432-433	43864	4.0	1.3	94.2	.5	10.3	3.1	.938	None		
SER56-1755	433-434	43865	4.0	1.1	94.1	.8	10.2	2.6	.935	None		
SER56-1756	434-435	43866	5.0	1.1	93.0	.9	12.8	2.6	.931	None		
SER56-1757	435-436	43867	4.4	1.0	94.1	.5	11.3	2.4	.932	None		
SER56-1758	436-437	43868	4.4	.9	93.0	1.7	11.3	2.3	.923	None		

a - Estimated.

Core samples received December 12, 1944; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's core hole No. 2 located 500 feet South, 1300 feet West of the NE Corner of Sec. 17, T. 11 S., R. 24 E., Uintah County, Utah

Surface elevation 5,347 feet

Mahogany marker at 508 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
			Weight percent		Spent shale	Gas + loss					
Laramie	Their		Oil	Water					Oil	Water	
SER56-1759	437-438	43869	4.9	1.5	92.9	0.7	12.6	3.6	0.922	None	
SER56-1760	438-439	43870	3.5	1.2	94.9	.4	8.9	2.9	.930	None	
SER56-1761	439-440	43871	4.1	1.4	93.7	.8	10.5	3.4	.929	None	
SER56-1762	440-441	43872	3.6	1.3	94.2	.9	9.3	3.1	.931	None	
SER56-1763	441-442	43873	5.4	1.0	92.5	1.1	13.9	2.4	.923	None	
SER56-1764	442-443	43874	5.9	1.4	91.6	1.1	15.5	3.4	.920	None	
SER56-1765	443-444	43875	2.8	1.1	95.3	.8	7.3	2.6	.921	None	
SER56-1766	444-445	43876	1.8	1.0	96.5	.7	4.5a	2.4		None	
SER56-1767	445-446	43877	3.7	1.1	94.0	1.2	9.4	2.6	.928	None	
SER56-1768	446-447	43878	5.6	1.1	92.1	1.2	14.5	2.6	.919	None	
SER56-1769	447-448	43879	3.7	1.0	93.7	1.6	9.6	2.4	.930	None	
SER56-1770	448-449	43880	4.2	1.7	92.6	1.5	10.9	4.1	.930	None	
SER56-1771	449-450	43881	3.5	1.7	93.2	1.6	9.1	4.1	.929	None	
SER56-1772	450-451	43882	4.0	1.5	93.2	1.3	10.3	3.6	.931	None	
SER56-1773	451-452	43883	6.7	2.3	89.7	1.3	17.6	5.5	.910	None	
SER56-1774	452-453	43884	5.9	2.0	90.6	1.5	15.6	4.8	.909	None	
SER56-1775	453-454	43885	5.1	.6	92.7	1.6	13.3	1.4	.925	None	
SER56-1776	454-455	43886	5.8	.6	91.9	1.7	15.0	1.4	.923	None	
SER56-1777	455-456	43887	7.8	.6	90.1	1.5	20.2	1.6	.923	None	
SER56-1778	456-457	43888	4.3	.6	94.0	1.1	11.2	1.3	.928	None	
SER56-1779	457-458	43889	3.3	.9	95.0	.8	8.5	2.2	.928	None	
SER56-1780	458-459	43890	3.3	.9	95.0	.8	8.6	2.0	.927	None	
SER56-1781	459-460	43891	5.3	.5	93.0	1.2	13.7	1.2	.925	None	
SER56-1782	460-461	43892	3.4	.8	94.7	1.1	8.9	1.9	.924	None	
SER56-1783	461-462	43893	2.6	1.0	95.6	.8	6.7	2.3	.930	None	
SER56-1784	462-463	43894	3.2	.9	95.0	.9	8.3	2.2	.933	None	
SER56-1785	463-464	43895	3.1	.7	95.2	1.0	8.0	1.7	.927	None	
SER56-1786	464-465	43896	3.5	.7	94.6	1.2	9.2	1.7	.925	None	
SER56-1787	465-466	43897	6.5	.4	92.3	.8	17.0	.8	.921	None	
SER56-1788	466-467	43898	4.2	.7	93.9	1.2	10.8	1.7	.925	None	

a - Estimated.

Core samples received December 12, 1955; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's core hole No. 2 located 500 feet South, 1800 feet West of the NE Corner of Sec. 17, T. 11 S., R. 24 E., Uintah County, Utah

Surface elevation 5,347 feet

Mahogany marker at 508 feet

			Yield of product					Specific gravity		Properties of		
			Weight percent		Spent shale	Gas + loss	Gal. per ton		of oil at 60°/60° F.	Tendency to	spent shale coke	Remarks
Sample number	Run No.		Oil	Water			Oil	Water				
Laramie	Their											
SER56-1789	467-468	43899	3.4	0.6	94.4	1.5	8.9	1.4	0.922		None	
SER56-1790	468-469	43900	10.6	.8	86.5	2.1	27.5	1.8	.925		None	
SER56-1791	469-470	43901	8.4	.6	88.2	2.8	21.6	1.4	.930		None	
SER56-1792	470-471	43902	5.4	.5	93.1	1.0	13.9	1.3	.925		None	
SER56-1793	471-472	43903	5.5	.4	93.9	.2	14.3	.8	.925		None	
SER56-1794	472-473	43904	5.6	.3	93.0	1.1	14.5	.7	.924		None	
SER56-1795	473-474	43905	9.7	.5	88.0	1.8	25.5	1.2	.915		None	
SER56-1796	474-475	43906	8.9	.6	89.4	1.1	23.3	1.3	.918		None	
SER56-1797	475-476	43907	6.3	.4	92.3	1.0	16.5	.8	.913		None	
SER56-1798	476-477	43908	11.2	.8	85.7	2.3	29.4	1.8	.914		None	
SER56-1799	477-478	43909	2.7	.6	95.8	.9	7.1	1.3	.926		None	
SER56-1800	478-479	43910	2.0	.5	97.4	.1	5.0a	1.2			None	
SER56-1801	479-480	43923	1.3	.3	97.6	.8	3.2a	.7			None	
SER56-1802	480-481	43924	1.8	.3	96.5	1.4	4.6a	.7			None	
SER56-1803	481-482	43925	3.0	.4	94.9	1.7	7.6	1.0	.933		None	
SER56-1804	482-483	43926	1.8	.5	96.7	1.0	4.5a	1.1			None	
SER56-1805	483-484	43927	1.9	.4	97.1	.6	4.8a	1.0			None	
SER56-1806	484-485	43928	1.3	.4	97.4	.9	3.2a	1.1			None	
SER56-1807	485-486	43929	.9	.4	98.0	.7	2.2a	.4			None	
SER56-1808	486-487	43930	1.0	.5	98.3	.2	2.5a	1.3			None	
SER56-1809	487-488	43931	1.6	.5	97.5	.4	4.0a	1.2			None	
SER56-1810	488-489	43932	5.9	.8	91.5	1.8	15.5	1.8	.910		None	
SER56-1811	489-490	43933	4.7	.5	92.4	2.4	12.3	1.3	.916		None	
SER56-1812	490-491	43934	12.1	1.1	84.2	2.6	32.1	2.6	.905		None	
SER56-1813	491-492	43935	8.2	.6	89.3	1.9	21.5	1.4	.915		None	
SER56-1814	492-493	43936	5.8	.6	91.4	2.2	15.1	1.4	.916		None	
SER56-1815	493-494	43937	4.4	.4	93.8	1.4	11.5	1.0	.913		None	
SER56-1816	494-495	43938	5.3	.5	92.2	2.0	13.9	1.3	.908		None	
SER56-1817	495-496	43939	8.8	.6	88.9	1.7	22.8	1.4	.920		None	
SER56-1818	496-497	43940	10.8	.6	86.2	2.4	28.1	1.6	.918		None	

a - Estimated.

Core samples received December 12, 1955; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's core hole No. 2 located 500 feet South, 1800 feet West of the NE Corner of Sec. 17, T. 11 S., R. 24 E., Uintah County, Utah

Surface elevation 5,347 feet

Manogany marker at 508 feet

			Yield of product					Specific gravity of oil at 60°/60° F.	Properties of spent shale		Remarks
Sample number		Run No.	Weight percent		Spent shale	Gas + loss	Gal. per ton		Tendency to coke		
			Oil	Water			Oil			Water	
Laramie	Their										
SER56-1819	497-498	43941	10.3	0.6	86.7	2.4	26.9	1.6	.920	None	
SER56-1820	498-499	43942	17.3	.8	78.7	3.2	45.9	1.9	.906	None	
SER56-1821	499-500	43943	13.7	.7	83.3	2.3	36.5	1.6	.901	None	
SER56-1822	500-501	43944	7.6	.6	89.7	2.1	20.0	1.4	.905	None	
SER56-1823	501-502	43945	6.2	.3	91.8	1.7	16.2	.7	.914	None	
SER56-1824	502-503	43946	4.0	.5	94.2	1.3	10.4	1.1	.922	None	
SER56-1825	503-504	43941	7.6	.7	90.0	1.7	20.1	1.6	.910	None	
SER56-1826	504-505	43942	5.9	.4	92.0	1.7	15.3	1.1	.917	None	
SER56-1827	505-506	43943	3.8	.4	94.4	1.4	9.8	1.0	.921	None	
SER56-1828	506-507	43944	4.3	.6	93.8	1.8	11.3	1.3	.921	None	
SER56-1829	507-508	43945	5.5	.3	93.6	.6	14.5	.8	.903	None	
SER56-1830	508-509	43946	3.9	.4	94.7	1.2	10.3	1.0	.921	None	*Analcite tuff, 5" thick
SER56-1831	509-510	43947	3.2	.4	95.9	.5	8.4	1.0	.910	None	
SER56-1832	510-511	43948	5.1	.4	94.0	.5	13.5	.8	.906	None	
SER56-1833	511-512	43949	15.3	.9	81.7	2.1	40.0	2.0	.917	None	
SER56-1834	512-513	43950	11.3	.6	86.2	1.9	29.7	1.4	.913	None	
SER56-1835	513-514	43951	7.1	.4	91.1	1.4	18.9	1.0	.905	None	
SER56-1836	514-515	43952	9.2	.5	88.8	1.5	24.3	1.2	.906	None	
SER56-1837	515-516	43953	15.5	.5	80.2	3.8	40.5	1.1	.918	Slight	
SER56-1838	516-517	43954	15.4	.6	80.4	3.6	40.5	1.3	.913	Slight	
SER56-1839	517-518	43955	22.7	.6	72.9	3.8	60.0	1.4	.906	Slight	
SER56-1840	518-519	43956	31.7	1.2	60.4	6.7	83.4	2.8	.911	Heavy	
SER56-1841	519-520	43981	23.0	.9	71.5	4.6	60.8	2.2	.905	Slight	
SER56-1842	520-521	43982	16.5	.5	79.7	3.3	43.7	1.2	.902	None	
SER56-1843	521-522	43983	22.1	.7	72.9	4.3	58.6	1.6	.906	Slight	
SER56-1844	522-523	43984	8.6	.4	89.3	1.7	22.6	1.0	.907	None	
SER56-1845	523-524	43961	14.0	.4	83.1	2.5	36.5	1.0	.915	None	
SER56-1846	524-525	43962	10.4	.3	87.3	2.0	27.6	.6	.906	None	
SER56-1847	525-526	43963	22.7	.5	72.9	3.9	60.0	1.2	.907	Slight	
SER56-1848	526-527	43964	20.8	.5	75.3	3.4	54.8	1.3	.907	Slight	

* According to H. D. Curry of Shell Oil Company.

Core samples received December 12, 1955; assays made on air-dried samples.

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Shell Oil Company's core hole No. 2 located 500 feet South, 1800 feet West of the NE Corner of Sec. 17, T. 11 S., R. 24 E., Uintah County, Utah

Surface elevation 5,347 feet

Mahogany marker at 508 feet

Sample number		Run No.	Yield of product				Gal. per ton		Specific gravity of oil at 60°/60° F.	Properties of spent shale		Remarks
			Weight percent		Spent shale	Gas + loss				Tendency to	coke	
			Laramie	Their			Oil	Water				
SER56-1849	527-528	43965	17.9	0.5	78.3	3.3	47.4	1.3	.903	None		
SER56-1850	528-529	43966	10.8	.4	86.0	2.8	28.9	1.0	.899	None		
SER56-1851	529-530	43967	8.3	.3	89.4	2.0	22.2	.7	.890	None		
SER56-1852	530-531	43968	14.3	.5	82.0	3.2	37.8	1.3	.903	None		
SER56-1853	531-532	43969	13.8	.6	82.5	3.1	36.6	1.4	.904	None		
SER56-1854	532-533	43970	6.7	.5	91.0	1.8	17.7	1.1	.907	None		
SER56-1855	533-534	43971	1.6	.2	93.6	1.6	12.1	.4	.917	None		
SER56-1856	534-535	43972	3.6	.4	94.5	1.5	9.3	1.1	.918	None		
SER56-1857	535-536	43973	13.0	.6	83.6	2.8	34.1	1.6	.914	None		
SER56-1858	536-537	43974	14.9	.8	81.2	3.1	38.6	1.9	.922	Slight		
SER56-1859	537-538	43975	5.9	.5	91.5	2.1	15.4	1.1	.919	None		
SER56-1860	538-539	43976	8.3	.5	89.3	1.9	21.9	1.1	.911	None		
SER56-1861	539-540	43977	11.9	.5	85.0	2.6	31.5	1.2	.904	None		

Core samples received December 12, 1955; assays made on air-dried samples.