

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Alamo Corporation's Oil Springs Unit Well No. 3 drilled in
SE1/4NE1/4SW1/4 of sec. 4, T. 12 S., R. 24 E., Uintah County, Utah

0' - 30 g
0' - 25 g
0' - 15 g
UR 243 ✓

Derrick floor elevation 5860 feet

Mahogany should be at depth of about 300'

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				spent shale		
Laramie	Their		Oil	Water					Oil ^{1/}	Water		
SBR63-8836	20- 40	88804	5.3	1.6	91.9	1.2	13.9	3.8	0.916		None	
SBR63-8837	40- 60	88805	4.7	3.8	90.6	.9	12.3	9.1	.924		None	
SBR63-8838	60- 80	88806	4.0	2.7	92.7	.6	10.4	6.5	.917		None	
SBR63-8839	80-100	88807	3.9	2.7	92.6	.8	10.1	6.5	.917		None	
SBR63-8840	100-120	88808	.3	5.8	93.7	.2	.8a	13.9			None	
SBR63-8841-44	120-200						c					
SBR63-8845	200-220						No oil					
SBR63-8846	220-240						Trace					
SBR63-8847	240-260						c					
SBR63-8848	260-280						No oil					
SBR63-8849	280-300	88809	4.0	2.0	92.2	1.8	10.4	4.8	.917		None	
SBR63-8850	300-320	88810	.7	.2	98.1	1.0	1.8a	.6			None	
SBR63-8851	320-340	88811	1.8	.4	96.5	1.3	4.7a	.8			None	
SBR63-8852	340-360						d					
SBR63-8853	360-380	88812	.7	.9	97.7	.7	1.7a	2.3			None	
SBR63-8854	380-400	88813	4.1	1.9	91.6	2.4	10.6	4.6	.919		None	
SBR63-8855	400-420	88814	1.8	1.6	95.3	1.3	4.8a	3.8			None	
SBR63-8856	420-440	88815	.2	2.5	95.0	2.3	.4a	6.0			None	
SBR63-8857	440-460						c					
SBR63-8858	460-480	88816	1.3	2.0	94.2	2.5	3.5a	4.8			None	
SBR63-8859	480-500	88817	3.7	2.2	92.9	1.2	9.5	5.3	.924		None	
SBR63-8860	500-520	88818	2.0	1.7	94.6	1.7	5.1a	4.1			None	
SBR63-8861	520-540	88819	4.0	1.5	93.1	1.4	10.4	3.6	.919		None	
SBR63-8862	540-560						b					
SBR63-8863	560-580						c					
SBR63-8864	580-600	88820	1.4	2.6	94.8	1.2	3.7a	6.2			None	
SBR63-8865	600-620	88821	3.3	1.2	94.1	1.4	8.7	2.9	.916		None	
SBR63-8866	620-640	88822	3.6	1.5	93.3	1.6	9.3	3.6	.923		None	
SBR63-8867	640-660	88823	1.4	6.0	92.0	.6	3.5a	14.4			None	
SBR63-8868	660-680	88824	3.3	2.8	92.1	1.8	8.7	6.7	.923		None	

See footnotes at end of table.

Drill cutting samples received May 9, 1963; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Alamo Corporation's Oil Springs Unit Well No. 3 (con.)

Derrick floor elevation 5860 feet

Sample number			Yield of product						Specific gravity of oil at 60° /60° F.	Properties of		Remarks
			Weight percent		Gal. per ton		spent shale					
			Oil	Water	Spent shale	Gas + loss	Oil ^{1/}	Water		Tendency to coke		
Laramie	Their	Run No.										
SBR63-8869	680- 700	88825	1.2	1.3	96.8	0.7	3.2a	3.1		None		
SBR63-8870	700- 720	88826	1.4	1.1	96.4	1.1	3.6a	2.6		None		
SBR63-8871	720- 740	88827	1.3	.7	97.1	.9	3.5a	1.6		None		
SBR63-8872	740- 760	88828	1.9	1.3	95.9	.9	4.9a	3.1		None		
SBR63-8873	760- 780	88829	1.8	1.3	95.6	1.3	4.8a	3.1		None		
SBR63-8874	780- 800	88830	1.7	1.3	96.5	.5	4.3a	3.1		None		
SBR63-8875	800- 820	88831	1.5	1.5	96.1	.9	4.0a	3.6		None		
SBR63-8876	820- 840	88832	1.3	1.4	96.4	.9	3.3a	3.4		None		
SBR63-8877-83	840- 980						c					
SBR63-8884	980-1000	88833	1.2	1.5	96.9	.4	3.1a	3.6		None		
SBR63-8885	1000-1020	88834	1.1	1.5	96.8	.6	2.7a	3.5		None		
SBR63-8886	1020-1040	88835	1.4	2.2	95.7	.7	3.5a	5.3		None		
SBR63-8887	1040-1060						c					
SBR63-8888	1060-1080	88836	1.9	1.8	95.4	.9	5.0a	4.3		None		
SBR63-8889	1080-1100	88837	2.8	2.0	94.2	1.0	7.3	4.8	0.922	None		
SBR63-8890	1100-1120	88838	2.3	1.5	94.9	1.3	5.9	3.6	.922	None		
SBR63-8891	1120-1140	88839	.5	4.6	94.0	.9	1.3a	11.0		None		
SBR63-8892-94	1140-1200						c					
SBR63-8895	1200-1220						Trace					
SBR63-8896-97	1220-1260						c				Coal	
SBR63-8898-8904	1260-1400						c					
SBR63-8905	1400-1420	88840	.7	2.4	96.1	.8	1.9a	5.8		None		
SBR63-8906	1420-1440	88841	2.0	2.4	94.6	1.0	5.3a	5.8		None		
SBR63-8907	1440-1460	88842	3.0	2.3	93.8	.9	7.7	5.5	.922	None		
SBR63-8908	1460-1480	88843	2.5	2.1	94.1	1.3	6.6	5.0	.917	None		
SBR63-8909	1480-1500	88844	1.4	2.3	95.4	.9	3.5a	5.5		None		
SBR63-8910	1550-1560						No oil					
SBR63-8911	1560-1570						Trace					
SBR63-8912-13	1570-1590						No oil					
SBR63-8914	1590-1600						Trace					

See footnotes at end of table.

Drill cutting samples received May 9, 1963; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Alamo Corporation's Oil Springs Unit Well No. 3 (con.)

Drill floor elevation 5860 feet

Sample number		Run No.	Yield of product				Specific gravity of oil at 60°/60° F.	Properties of spent shale		Remarks
			Weight percent		Spent shale	Gas + loss		Gal. per ton		
			Oil	Water				Oil ¹ / Water		
Laramie	Their								Tendency to coke	
63-8915-16	1600-1620						No oil			
63-8917	1620-1630	88845	0.	1.7	96.3	1.4	1.4a	4.1		None
63-8918	1630-1640	88846	1.4	1.7	94.6	2.3	3.6a	4.1		None
63-8919	1640-1650	88847	1.3	1.7	94.7	2.3	3.4a	4.1		None
63-8920	1650-1660	88848	4.1	2.5	92.2	1.2	10.9	6.0	0.903	None
63-8921	1660-1670	88849	3.1	1.9	93.6	1.4	8.2	4.6	.902	None
63-8922	1670-1680	88850	3.4	2.3	92.9	1.4	9.2	5.5	.896	None
63-8923	1680-1690	88851	1.4	2.2	95.8	.6	3.7a	5.3		None
63-8924	1690-1700	88852	1.9	1.9	94.5	1.7	4.9a	4.6		None
63-8925	1700-1710	88853	1.9	2.3	94.8	1.0	5.0a	5.5		None
63-8926	1710-1720	88854	2.4	2.0	94.3	1.3	6.3	4.8	.902	None
63-8927	1720-1730	88855	2.0	1.5	95.3	1.2	5.1a	3.6		None
63-8928	1730-1740	88856	1.4	1.6	96.5	.5	3.6a	3.8		None
63-8929-31	1740-1770						c			
63-8932	1770-1780						Trace			
63-8933	1780-1790						No oil			
63-8934-35	1790-1810						Trace			
63-8936-37	1810-1830						b			
63-8938-39	1830-1850						No oil			
63-8940	1850-1860						Trace			
63-8941-42	1860-1880						No oil			
63-8943	1880-1890						Trace			
63-8944-46	1890-1920						No oil			
63-8947	1920-1930						Trace			
63-8948-50	1930-1960						No oil			
63-8951	1960-1970	88857	.8	1.3	96.9	1.0	2.1a	3.1		None
63-8952	1970-1980	88858	.9	1.1	97.1	.9	2.3a	2.6		None
63-8953	1980-1990	88859	.3	1.2	97.8	.7	.8a	2.9		None
63-8954	1990-2000						c			
63-8955	2000-2010						b			

footnotes at end of table.

Drill cutting samples received May 9, 1963; assays made on air-dried samples

OIL-SHALE ASSAYS BY MODIFIED FISCHER RETORT METHOD

Samples from Alamo Corporation's Oil Springs Unit Well No. 3 (con.)

Derrick floor elevation 5860 feet

Sample number		Run No.	Yield of product					Specific gravity of oil at 60°/60° F.	Properties of spent shale		Remarks
			Weight percent		Spent shale	Gas + loss	Gal. per ton		Tendency to coke		
			Oil	Water			Oil ^{1/}			Water	
Laramie	Their										
SBR63-8956	2010-2020						c				
SBR63-8957-58	2020-2040						b				
SBR63-8959	2040-2050						c				
SBR63-8960-61	2050-2070						b				
SBR63-8962-64	2070-2100						c				
SBR63-8965	2100-2110						b				
SBR63-8966	2110-2120						Trace				
SBR63-8967-68	2120-2140						b				
SBR63-8969-70	2140-2160						Trace				
SBR63-8971-72	2160-2180						No oil				
SBR63-8973	2180-2190						Trace				
SBR63-8974-76	2190-2220						No oil				
SBR63-8977	2220-2230						c				
SBR63-8978	2230-2240						No oil				

^{1/} "a" indicates specific gravity estimated as 0.92. Oil yields were estimated by a rapid test-tube method: "No oil", "Trace", "b"--less than 1 gal oil/ton, "c"--1 to 3 gal oil/ton, "d"--3+ gal oil/ton but sample insufficient for assay.

Drill cutting samples received May 9, 1963; assays made on air-dried samples