

**CORE LABORATORIES, INC.**  
**Petroleum Reservoir Engineering**  
 DALLAS, TEXAS

PAGE NO. 1

U113

34-95-21E

TOSCO CORPORATION  
 SAND WASH SHAFT

42-34

FORMATION :  
 DLG. FLUID :  
 LOCATION :  
 STATE :

DATE : 11-25-81  
 FILE NO. : 3806-RM-179  
 ANALYSTS : MJ, EC, CM  
 ELEVATION:

OIL SHALE ASSAY

ASTM D 3904-80

SAMPLE NO.	DEPTH	OIL <sup>ST</sup> GAL/TON	OIL WT.%	WATER GAL/TON	WATER WT.%	OIL GRAV.	SHALE WT.%	GAS PLUS LOSS WT.%	TENDENCY TO CO
43.	1610.5-11.0	6.8	2.7	0.4	0.2	0.958	96.1	1.0 -	NIL (NONE)
44.	1611.8-12.2	6.7	2.7	0.7	0.3	0.958	96.0	1.0 -	NIL (NONE)
45.	1612.6-13.1	7.4	3.0	0.4	0.2	0.958	95.7	1.1	NIL (NONE)
46.	1613.8-14.3	6.8	2.7	0.4	0.2	0.958	96.0	1.1	NIL (NONE)
47.	1614.3-14.7	6.4	2.5	0.4	0.2	0.946	96.2	1.1	NIL (NONE)
60.	2255.2-55.6	16.1	6.3	2.1	0.9	0.940	90.9	2.0	NIL (NONE)
61.	2256.2-56.5	18.9	7.3	1.3	0.5	0.927	90.4	1.8	NIL (NONE)
62.	2256.6-57.0	23.5	9.1	0.5	0.2	0.932	88.7	2.0	NIL (NONE)
63.	2257.0-57.4	36.4	14.0	1.1	0.5	0.921	82.5	3.0	NIL (NONE)
64.	2257.4-57.7	22.5	8.4	1.7	0.7	0.898	89.8	1.1	NIL (NONE)
68.	2238.5-38.9	48.7	18.8	1.7	0.7	0.925	75.4	5.1	SLIGHT
69.	2239.1-39.4	44.4	16.5	2.7	1.1	0.890	78.6	3.8	NIL (NONE)
70.	2239.4-39.8	26.5	10.2	1.3	0.5	0.920	86.8	2.5	NIL (NONE)
71.	2239.8-40.1	23.0	8.8	0.5	0.2	0.917	89.2	1.8	NIL (NONE)
72.	2240.1-40.5	22.3	8.5	0.3	0.1	0.918	89.3	2.0	NIL (NONE)
75.	2310.3-10.6	4.7	1.9	1.6	0.7	0.959	96.5	0.9	NIL (NONE)
76.	2310.7-11.0	6.5	2.6	1.5	0.6	0.958	95.8	0.9	NIL (NONE)
77.	2311.0-11.4	0.5	0.2	0.7	0.3	0.914	99.1	0.5	NIL (NONE)
78.	2311.4-11.7	1.0	0.4	1.1	0.4	0.914	98.7	0.4	NIL (NONE)
79.	2311.8-12.1	2.2	0.8	0.9	0.4	0.914	98.0	0.8	NIL (NONE)
81.	2377.2-77.6	0.3	0.1	2.8	1.2	0.914	98.4	0.3	NIL (NONE)
82.	2377.6-78.0	0.1	0.0	2.8	1.2	0.914	98.7	0.0	NIL (NONE)
83.	2378.0-78.3	0.3	0.1	3.3	1.4	0.914	98.3	0.2	NIL (NONE)
84.	2378.4-78.8	0.5	0.2	4.1	1.7	0.914	98.1	0.0	NIL (NONE)
85.	2378.8-79.1	1.2	0.5	2.9	1.2	0.914	97.8	0.6	NIL (NONE)

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88.	2515.1-15.5	2.4	0.9	4.6	1.9	0.914	96.8	0.4	NIL (NONE)
89.	2515.5-15.9	4.0	1.5	4.1	1.7	0.914	96.5	0.3	NIL (NONE)
90.	2515.9-16.2	5.3	2.0	3.4	1.4	0.914	96.3	0.3	NIL (NONE)
91.	2516.2-16.6	4.0	1.5	1.6	0.7	0.914	97.4	0.4	NIL (NONE)
92.	2516.6-17.0	4.4	1.7	3.1	1.3	0.914	96.5	0.5	NIL (NONE)