



W 545 Basic

DEPT. NAT. RES. & ENV. PE900011

CORE LABORATORIES, INC.

Petroleum Reservoir Engineering

COMPANY **ESSO STANDARD OIL (AUSTRALIA) LTD.** FILE NO. **FL 155 13L**  
 WELL **FLATHEAD 1** DATE **3 - 11 MAY 1969** ENGRS. **THM ES PY**  
 FIELD **WILDCAT** FORMATION **LATROBE DELTA** ELEV. **31' KB**  
 COUNTY **VICTORIA** STATE **AUSTRALIA** DRG. FLD. **FR. WATER GEL** CORES **DIAMOND**  
 LOCATION **BASS STRAIT** REMARKS **CORES 1 & 2 TOO UNCONSOLIDATED FOR ANALYSIS.**

# COMPLETION COREGRAPH

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SAND LIMESTONE CONGLOMERATE CHERT   
 SHALE DOLOMITE OOLITES ANHYDRITE

SAMPLE CHARACTERISTICS: F: Fractured L: Laminated FG: MG: Type Grain Size S: Styolitic V: Vuggy  
 PROBABLE PRODUCTION: O: Oil W: Water G: Gas T: Transitional

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY, MD		POROSITY %	RESIDUAL SATURATION % PORE SPACE		PERMEABILITY MILLIDARCY		POROSITY PERCENT		TOTAL WATER PERCENT PORE SPACE	OIL SATURATION PERCENT PORE SPACE
		HORIZ	VERT		OIL	TOTAL WATER	500	250	30	15		

1	1557	306	296	41.0	2.8	77.3						
2	1559	522	332	34.3	11.3	376.3						
3	1560.5	870	587	37.7	13.5	561.0						

CORE NO 3

4	1562	604	522	39.5	14.7	770.3						
5	1563	878	712	38.4	18.7	63.8						
6	1565	453	215	34.9	15.3	64.1						
7	1567	1233	562	37.0	16.6	64.6						
8	1569	695	504	37.1	22.4	55.0						
9	1571	1118	604	34.3	18.2	60.3						

10	1584	49	39	38.7	8.7	81.9						
11	1587	8.2	7.7	30.2	0.6	89.1						
12	1588.5	0.14	0.14	27.9	0.0	96.2						
13	1590	1.5	14.0	27.1	0.0	91.6						
14	1591	2.4	7.4	28.5	0.7	88.4						
15	1592	99	67	33.1	9.7	70.1						

CORE NO 4

16	1594	15	1.0	34.6	10.7	72.5						
17	1598	152	1235	27.2	9.2	71.7						
18	1600	158	138	32.9	7.9	76.6						
19	1603	175	154	35.5	8.3	77.2						

20	1610	49	69	35.3	4.5	78.9						
21	1613	156	173	33.8	10.4	72.4						
22	1614	156	69	31.9	4.7	77.1						
23	1616	98	88	33.7	11.0	68.6						
24	1619	43	50	34.1	6.4	75.1						

25	1623	263	261	33.8	10.9	69.2						
26	1624	110	96	33.9	10.3	70.2						
27	1625	107	54	34.3	9.0	72.3						
28	1626	163	123	34.2	12.9	69.3						
29	1628	180	156	33.4	13.2	69.2						

CORE NO 5

30	1632	21	6.0	29.9	0.0	90.6						
31	1633	15	18	29.2	0.7	85.3						
32	1636	0.5	6.7	24.3	0.0	83.6						
33	1638	10	4.0	32.5	4.6	78.5						
34	1640	19	14	30.8	4.9	78.6						
35	1642	28	15	30.1	9.0	74.8						
36	1644	105	123	31.7	8.2	74.4						
37	1646	256	266	32.7	13.5	64.8						
38	1648	188	175	36.0	12.2	66.4						

39	1665	34	37.7	31.0	0.0	79.3						
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40	1691	63.5	56	31.9	0.0	83.3						
41	1693	273	5.2	29.8	0.0	82.9						
42	1695	50.5	21.5	30.1	0.0	82.1						
43	1697	8.2	2.6	28.1	0.0	91.2						
44	1699	9.2	3.1	28.6	0.0	87.1						

CORE NO 6

45	1702	10.2	6.0	29.3	0.7	83.2						
46	1703	10.2	10.0	27.4	0.0	89.4						
47	1706	7.0	12.6	28.5	0.0	87.4						
48	1708	9.2	8.4	28.5	0.0	84.6						
49	1712	3.1	3.3	28.7	0.0	86.7						
50	1713	8.2	5.5	29.4	0.0	88.8						
51	1715	4.8	1.6	29.7	0.0	89.9						

52	3475.5	<0.1	<0.1	13.4	0.0	88.9						
53	3479.5	<0.1	<0.1	15.1	0.0	90.7						

CORE NO 7

55	3487.5	<0.1	<0.1	11.9	0.0	92.4						
56	3491.5	<0.1	<0.1	15.8	0.0	90.5						

TOTAL WATER PERCENT PORE SPACE  
75 50 25

OIL SATURATION PERCENT PORE SPACE  
25 50 75