

POTTS STRESS METER

INSTALLATION N° 3 150 ML

DATE 15/8/78 LOCATION 'C' CENTRAL C2169

UNIT H CELL

CABLE LENGTH 60 m 220144.8 East

GAUGE FACTOR 1.93 564094.2 North

ZERO STRESS READING 30.4 μ E -131 R.L. 5th LIFT

ROCK TYPE LOWER C gh 2.45 m. from Collar

MODULUS 43 GPa \equiv 61.9 UCS HOLE bearing 190°

SENSITIVITY 0.093 MPa/ μ E μ E/MPa (107.5) inclination FLAT

ORIENTATION VERTICAL COLLAR 220144.5 East

INITIAL STRESS 7.0 MPa 564096.5 North

-131 R.L.

Date	Day	Reading μ E	Δ Stress MPa	Stress MPa	Remarks	Date	Day	Reading μ E	Δ Stress MPa	Stress MPa	Remarks
15/8/78	1890	2100			Initial	14/6/79	2193	2297	+5.1	12.1	Cables down to M14
"	"	1787			10 mins	19/6/79	2198	2344	+5.6	12.6	
"	"	1762			2 Hours	26/6/79	2205	2158	+3.9	11.9	8th W face mined ^{22/6}
16/8/78	1891	1709			20 Hours	3/8/79	2743	1534	-2.0	5.0	
17/8/78	1892	1740			Cables IN	20/8/79	2260	1544	-1.9	5.1	
23/8/78	1898	1735				5/9/79	2276	1504	-2.2	4.8	
25/8/78	1900	1744	0	7.0	Base	27/9/79	2298	1525	-2.0	5.0	
30/8/78	1905	1744	0	7.0		10/10/79	2311	1537	-1.9	5.1	
1/9/78	1907	1742	0	7.0		7/11/79	2339	1541	-1.9	5.1	
4/9/78	1910	1739	0	7.0		23/11/79	2355	1554	-1.8	5.2	
7/9/78	1913	1792	+0.4	7.4	6th Lift	28/11/79	2360	1518	-2.1	4.9	
11/9/78	1917	1804	+0.6	7.6		13/12/79	2375	1446	-2.8	4.2	
15/9/78	1921	1813	+0.6	7.6		17/12/79	2379	1449	-2.7	4.3	
26/9/78	1932	1843	+0.9	7.9		27/12/79	2389	1459	-2.6	4.4	
8/10/78	1944	1842	+0.9	7.9		4/1/80	2397	1430	-2.9	4.1	
3/11/78	1970	2003	+2.4	9.4		14/1/80	2407	1480	-2.5	4.5	LOWER CENTRAL 9th S face mined 10/1
16/11/78	1983	2018	+2.5	9.5		18/1/80	2411	1485	-2.4	4.6	
23/11/78	1990	2028	+2.6	9.6		25/1/80	2418	1360	-3.6	3.4	
4/12/78	2001	2033	+2.7	9.7	Exposed on S face on 1/12/79 7246	4/2/80	2428	1358	-3.6	3.4	
11/12/78	2008	2043	+2.8	9.8		11/2/80	2435	1367	-3.5	3.5	
18/12/78	2015	2063	+3.0	10.0		20/2/80	2444	1266	-4.5	2.6	LOWER CENTRAL 9th E face mined 15/2
29/12/78	2026	2066	+3.0	10.0		10/3/80	2463	1323	-3.9	3.1	
3/1/79	2031	2106	+3.4	10.4		21/3/80	2474	1297	-4.2	2.8	
10/1/79	2038	2090	+3.2	10.2		02/4/80	2485	1253	-4.6	2.4	UPPER CENTRAL
12/1/79	2040	2108	+3.4	10.4		16/4/80	2500	1229	-4.8	2.2	9th S face 010480
26/1/79	2054	2123	+3.5	10.5	7th N face mined	08/5/80	2522	1201	-5.1	2.0	
31/1/79	2059	2139	+3.7	10.7		04/6/80	2549	1228	-4.8	2.2	
27/2/79	2086	2240	+4.6	11.6		25/6/80	2570	1231	-4.77	2.23	10th N face mined
2/3/79	2089	2236	+4.6	11.6	7th E face mined	1/7/80	2576	1226	-4.82	2.18	
20/3/79	2107	2224	+4.5	11.5		7/7/80	2582	1169	-5.35	1.65	
27/3/79	2114	2250	+4.7	11.7		14/7/80	2589	1227	-4.81	2.19	
17/4/79	2135	2320	+5.4	12.4		21/7/80	2596	1184	-5.21	1.79	
18/4/79	2136	2318	+5.4	12.4		28/7/80	2603	1098	-6.01	0.99	
30/4/79	2148	2324	+5.4	12.4		4/8/80	2610	1136	-5.65	1.35	
9/5/79	2157	2204	+4.3	11.3		11/8/80	2617	1206	-5.00	2.00	10th lift filled up
18/5/79	2166	2217	+4.4	11.4		18/8/80	2624	1210	-4.97	2.03	
28/5/79	2176	2226	+4.5	11.5		25/8/80	2631	1140	-5.62	1.38	
30/5/79	2178	2233	+4.6	11.6	After sand fill run	1/9/80	2638	1210	-4.97	2.03	
						8/9/80	2645	1106	-5.93	1.07	