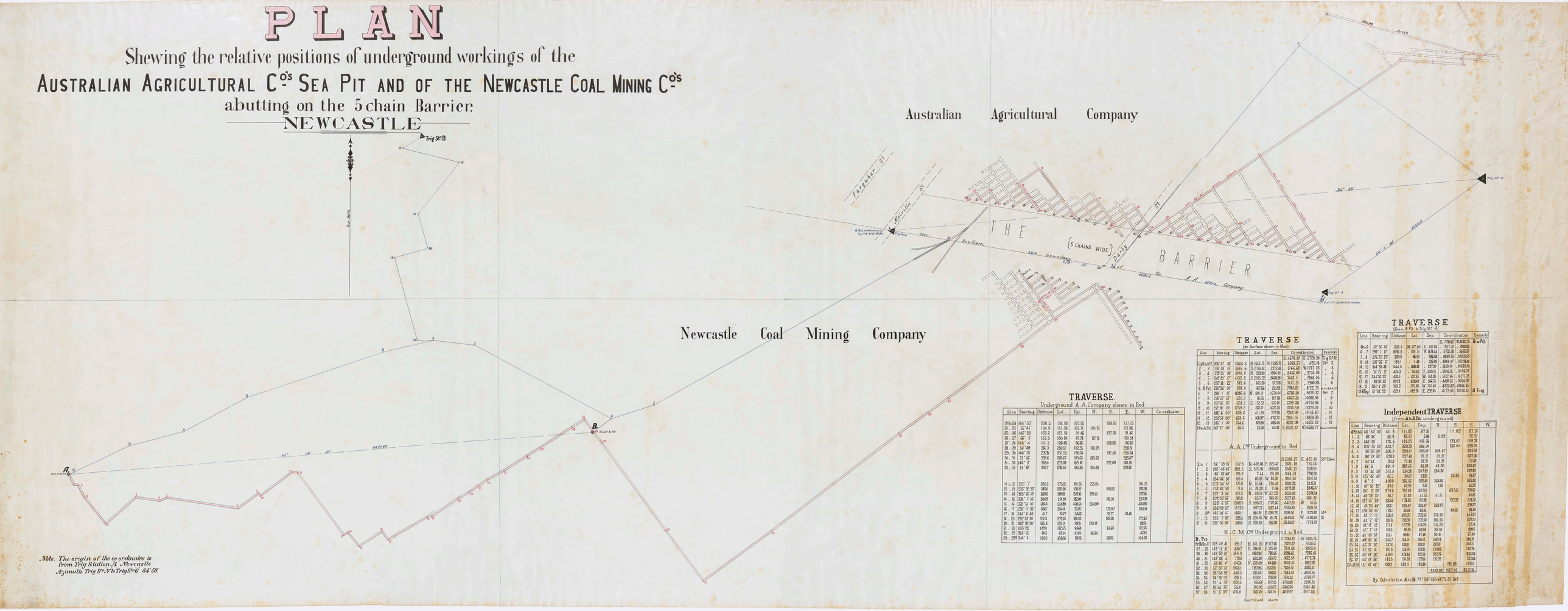
PLAN

Shewing the relative positions of underground workings of the AUSTRALIAN AGRICULTURAL Co's SEA PIT AND OF THE NEWCASTLE COAL MINING Co's abutting on the 5 chain Barrier.

NEWCASTLE



TRAVERSE.

Underground A.A.Company shewn in Red

Line	Bearing	Distance	Lat.	Dep.	N.	S.	E.	W.	Co-ordinates
11 to 24	144° 50'	258.4	154.80	137.05		154.80	137.05		
24 . 25	52° 41'	184.0	151.36	103.76	103.76		151.36		
25 . 26	146° 23'	165.2	137.58	91.46		137.58	91.46		
26 . 27	52° . 5'	157.3	130.54	87.78	87.78		130.54		
27 . 28	145° . 4'	161.2	128.95	96.96		128.95	96.96		
28 . 29	54° 42'	246.3	198.51	192.25	192.25		198.51		
29 . 30	144° 15'	232.5	192.58	130.64		192.58	130.64		
30 . 31	53° 16'	398.6	316.47	243.41	243.41		316.47		
31 . 32	146° . 3'	328.0	272.89	183.16		272.89	183.16		
32 . 33	54° 52'	337.7	276.14	194.56	194.56		276.14		
11 to 12	325° . 7'	335.3	275.05	191.76	275.05			191.76	
12 . 13	230° 35' 30"	345.0	218.98	266.80		218.98		266.80	
13 . 14	305° 16' 16"	345.0	296.69	176.16	296.69			176.16	
14 . 15	226° . 1' 10"	324.5	224.39	192.06		224.39		192.06	
15 . 16	330° 54' 10"	324.5	154.39	426.50	154.39			426.50	
16 . 17	226° . 11' 30"	324.7	224.04	176.77		224.04		176.77	
17 . 18	144° . 4' 40"	41.7	33.77	24.66		33.77	24.66		
18 . 19	226° 22' 20"	33.3	27.26	19.10		19.10		27.26	
19 . 11	302° 32' 20"	165.4	133.11	98.3	133.11			98.3	
2 . 12	230° 34'	149.0	122.25	84.60			84.60	122.25	
20 . 19	304° 15'	84.5	63.34	47.05	63.34			47.05	
25 . 23	240° 1'	120.0	104.06	30.06			30.06	104.06	

TRAVERSE

(on Surface shewn in Blue)

Line	Bearing	Distance	Lat.	Dep.	Co-ordinates		Remarks
					S. 4678.40	E. 2720.90	Trig Stn N.
Trig Stn N to 2	135° 37' 35"	2824.3	N. 1645.15	W. 2295.72	. 1023.27	. 4255.18	Set 2.
2 . 3	218° 53' 15"	3516.6	S. 2738.62	. 2212.45	. 5146.83	W. 1987.55	. 3.
3 . 4	229° 15' 36"	1314.0	S. 829.60	. 1016.11	. 5456.93	. 2734.56	. 4.
4 . 5	240° 43' 17"	4133.5	S. 2045.22	. 3568.38	. 7452.11	. 7389.95	. 5.
5 . 6	152° 16' 22"	543.6	. 145.20	. 523.68	. 7307.31	. 7866.95	. 6.
6. B Pit.	230° 52' 00"	278.0	. 167.52	. 221.92	. 7784.87	. 8122.75	Both Shafts 6 & 6
6 . 7	298° . 1' 17"	1836.8	N. 838.11	. 1636.44	. 6796.20	. 9575.37	Set 7.
7 . 8	226° 27' 37"	520.9	. 354.45	. 381.58	. 6447.75	. 10006.95	. 8.
8 . 9	257° 45' 37"	124.2	. 132.33	. 100.18	. 6789.98	. 10106.95	. 9.
9 . 10	232° 26' 37"	1729.2	. 1013.71	. 1476.35	. 7803.53	. 12579.18	. 10.
10 . 11	242° 6' 00"	973.6	. 441.39	. 777.56	. 7245.16	. 13156.60	. 11.
11 . 12	252° 34' 00"	833.4	. 308.97	. 676.70	. 7284.15	. 13829.30	. 12.
12 . 13	240° . 1' 00"	764.6	. 382.30	. 662.46	. 7666.45	. 14492.76	. 13.
B to A Pit	247° 17' 00"	65.5	. 25.29	. 60.48	S. 8692.37	W. 14582.77	Both Shafts 13 & 13

A. A. Co's Underground in Red

Line	Bearing	Distance	Lat.	Dep.	Co-ordinates		Remarks
					S. 3018.27	E. 4255.18	
2 to 1	38° 25' 15"	517.3	N. 402.08	E. 325.47	. 3616.35	. 4580.65	Sh Pt Zone
1 . 2	185° 48' 45"	818.2	S. 815.38	. 69.85	. 3445.12	. 4510.80	
2 . 3	86° 15' 40"	192.6	. 7.44	. 192.52	. 3444.68	. 4703.28	
3 . 4	234° 44' 55"	165.0	. 93.53	W. 135.78	. 3504.14	. 4567.52	
4 . 5	273° 54' 15"	170.8	N. 11.64	. 170.40	. 3516.32	. 4397.12	
5 . 6	173° 42' 50"	71.0	S. 70.99	E. 6.36	. 3473.34	. 4404.47	
6 . 7	229° . 3' 54"	322.5	N. 213.59	W. 241.98	. 3259.48	. 4162.54	
7 . 8	229° 59' 54"	383.3	. 253.77	. 288.08	. 3027.43	. 3874.54	
8 . 9	239° . 6' 54"	1080.5	. 699.02	. 827.44	. 2328.41	. 3047.10	
9 . 11	234° 49' 54"	1175.0	. 667.16	. 968.44	. 1661.25	. 2078.66	
9 . 10 to	145° 35' 45"	1582.1	. 901.39	E. 1298.75	. 2298.56	E. 1235.62	10 to
11 . 12	325° . 7' 00"	2935.3	N. 2.38.40	W. 1.70	. 5400.95	W. 1236.32	12
12 . 13	235° 16' 30"	3453.1	S. 1931.82	. 2862.96	. 3469.67	. 4199.93	

N. C. M. Co's Underground in Red

Line	Bearing	Distance	Lat.	Dep.	Co-ordinates		Remarks
					S. 7784.87	W. 8122.75	
B. Pit to Sh.	315° 45' 41"	193.7	N. 137.20	W. 137.36	. 7925.67	. 8260.11	
27 . 29	145° 11' 51"	2037	S. 1266.19	E. 1595.48	. 7391.53	. 9855.91	
29 . 30	145° 53' 30"	1544.0	. 1064.94	. 796.65	. 6326.62	. 10652.45	
30 . 31	145° 26' 4"	1780.0	. 1225.86	. 1293.72	. 5062.55	. 11777.74	
31 . 32	33° 46' 4"	1472.4	N. 1219.00	. 824.84	. 6281.45	. 12602.58	
32 . 33	52° 30' 00"	1768.1	. 1087.95	. 1393.59	. 7369.40	. 13996.17	
33 . 34	59° 54' 18"	1403.3	. 720.18	. 1206.35	. 7644.43	. 15202.15	
34 . 35	64° 34' 00"	2391.5	. 1019.61	. 2169.38	. 7814.42	. 17371.77	
35 . 36	53° . 4' 58"	1931.5	. 1162.46	. 1542.65	. 6718.38	. 18914.42	
36 . 37	52° 46' 16"	1565.8	. 951.65	. 1243.72	. 5766.73	. 20158.14	
37 . 38	37° 5' 35"	1276.8	. 1042.69	. 738.10	. 4723.97	. 20896.24	

Continued above

TRAVERSE

(from B Pit to Trig Stn B)

Line	Bearing	Distance	Lat.	Dep.	Co-ordinates		Remarks
					S. 7784.87	W. 8122.75	
B to 6	52° 54' 00"	278.0	N. 167.54	E. 220.92	. 7617.33	. 7902.83	B to Pit.
6 . 7	298° . 1' 17"	1836.8	. 838.11	W. 1636.44	. 6796.20	. 9575.37	
7 . 8	226° 27' 37"	520.9	. 354.45	. 381.58	. 6447.75	. 10006.95	
8 . 9	257° 45' 37"	124.2	. 132.33	. 100.18	. 6789.98	. 10106.95	
9 . 10	232° 26' 37"	1729.2	. 920.71	. 1476.35	. 7303.53	. 12579.18	
10 . 11	242° 6' 00"	973.6	. 441.39	. 777.56	. 7745.16	. 13156.60	
11 . 12	252° 34' 00"	833.4	. 308.97	. 676.70	. 7984.15	. 13829.30	
12 . 13	240° . 1' 00"	764.6	. 382.30	. 662.46	. 8366.45	. 14492.76	
B to A Pit	247° 17' 00"	65.5	. 25.29	. 60.48	S. 8692.37	W. 14582.77	Both Shafts 13 & 13

TRAVERSE

(from A to B Pit. underground)

Line	Bearing	Distance	Lat.	Dep.	N.	S.	E.	W.
A Pit to	141° 5' 00"	141.3	111.85	87.31		111.85	87.31	
1 . 2	85° 36'	52.5	52.57	5.89	5.89		52.57	
2 . 3	144° 29'	172.5	133.07	109.76		133.07	109.76	
3 . 4	178° 13' 20"	423.7	329.79	266.00			266.00	329.79
4 . 5	36° 20' 30"	496.9	398.67	295.60	398.67			295.60
5 . 6	86° 19' 30"	236.3	237.68	19.12	19.12			237.68
6 . 7	54° 44'	94.5	77.43	54.29	54.29			77.43
7 . 8	86° 32'	896.0	893.65	48.36	48.36			893.65
8 . 9	41° 34' 20"	313.3	234.38	207.80	234.38			207.80
9 . 10	135° 42' 40"	42.7	34.67	24.92		24.92		34.67
10 . 11	41° . 3'	498.0	363.86	339.49	363.86			339.49
11 . 12	87° 13' 20"	67.0	65.95	5.90	5.90			65.95
12 . 13	136° 3' 20"	973.0	731.49	637.12		637.12		731.49
13 . 14	45° 20' 20"	98.7	41.95	41.15	41.15			41.95
14 . 15	127° 41' 20"	223.4	178.26	133.92		133.92		178.26
15 . 16	45° 25' 40"	320.1	224.57	233.07	233.07			224.57
16 . 17	136° 38' 30"	125.1	92.48	84.42		84.42		92.48
17 . 18	43° 3' 15"	552.4	403.97	376.55	376.55			403.97
18 . 19	44° 2' 15"	109.3	78.59	272.10	291.35			272.10
19 . 20	45° 15' 15"	177.4	127.78	114.23	114.23			127.78
20 . 21	42° . 7' 15"	192.3	98.59	89.06	98.59			89.06
21 . 22	45° 53' 50"	125.1	90.01	87.48	90.01			87.48
22 . 23	43° 35' 16"	242.7	184.10	158.14	158.14			184.10
23 . 24	44° 21' 16"	137.4	96.85	97.29	97.29			96.85
24 . 25	45° 35' 16"	197.0	140.76	137.92	137.92			140.76
25 . 26	45° 18' 56"	439.0	312.34	302.76	302.76			312.34
26 . 27	44° 15' 56"	183.5	131.35	127.66	131.35			127.66
27 to B Pit	15° 41' 46"	198.7	192.85			192.85		143.11
					3332.00	3327.65	5417.11	

By Calculation A to B. 73° 38' 26" 6473.51 ft.