DIAMOND DRILL HOLE NO. 310

LOCATION: No. 3 Orebody

CO-ORDINATES: 100,999.8E, 109397.5N

R.L.: 389.5 Feet 118.7 + 3.3 = 122

DATE COMMENCED: 25th February, 1970.

DATE COMPLETED: 25th May, 1970.

FINAL DEPTH: 1006 Feet ? 306.6
actual depth 1014'.

DATE SURVEYED:

LOGGED BY: P. Le Messurier

D. 310

OMC	100,999·8 E	109,397·5 N
BHMC	40,415·79 E	10,337·69 N
ISC	220,346·3 E	566,974·9 N

				WO_3 Mo		
0	30	30	-			No core, surface soil, clay and weathered volcanics.
30	56	26	25		META VOLCANICS 30' - 154' 9.1	META VOLCANICS, mid-green grey, very chloritic rock with remnant feldspar laths, irregular texture emphasised by weathering suggesting probable breccia.structure in original rock limonitic and clayey joints.
56	91	35	34			META VOLCANICS, actinolite chlorite rock, fine grained irregularly green and grey mottled, a few limonitic and clayey joint surfaces.
91	111	20	19			META VOLCANICS, fine grained mid-grey-green numerous small quartz blebs (vesicular fillings or aggregates) rare calcite and clay fillings. Unit strongly jointed, many chlorite and carbonate veins, many limonitic.fractures. Well fractured
111	154	43	40			META VOLCANICS, fine grained, many chloritic and serpentinous veins and joint facings and irregular clayey breccia zones unit becomes increasingly siliceous towards base. Strongly fractured 130'-142' 145-150'.
154	172.5	18.5	16		BIOTITE HORNFELS 154' - 172.5 46.9	BIOTITE HORNFELS, finely banded fine grained siliceous in part, calcic bands grading to skarn. Veinlets of sulphide in fine joints and along bedding. Molybdenite, pyrite, pyrrhotite and very minor chalcopyrite.
172.5	182	9.5	9		LIMESTONE 172-183 52.4 55.8	LIMESTONE, recrystallised highly altered with abundant calcite dykelets and veins, minor calc-silicate minerals.
182	183	1	1			SKARN, fine grained, green brown mottled garnet pyroxene skarn, disseminated scheelite throughout.
183	202	19	17		BIOTITE HORNFELS 183 - 202 51.6	BIOTITE HORNFELS, fine to very fine massive, only very poor banding in part, a few limey bands with minor skarn formation.
202	245	43	37		META VOLCANICS 202 - 282 55.9	META VOLCANICS, now a biotite actinolite chlorite rock with aluminant remnant volcanic mineralogy and texture, noteably rugged feldspars. Irregular quartz eyes developed throughout unit.

					WO_3	Mo		
	245	269.5	24.5	23.5				META VOLCANICS, medium grained mid-grey and green mottled, abundant blebs and wisps of chlorite in a felsic groundmass. Minor biotite and actinolite.
	269.5	282	12.5	11.5				META VOLCANICS, fine to very fine grained mid-grey massive, some zones of chlorite blotching similar to unit above.
	282	282.5	0.5	0.5			QUARTZITE 282-620	BRECCIA ZONE, abundant small fragments, chiefly of quartzite and indurated shale in siliceous matrix, very fluid contacts.
A1812	282.5	284.5	2	1.9	0.04	0.078		QUARTZITE, cryptocrystalline off white massive brittle with disseminated Molybdenite.
A1813	284.5	285.8	1.3	1	0.03	0.021		QUARTZITE, off white fine with numerous dark grey and black bands and inclusions.
A1814	285.8	287.3	1.5	1.5	0.04	0.035		SHALE, black indurated siliceous, minor quartzite bands, very minor molybdenite.
A1815	287.3	289.5	2.2	2	0.03	1.25		QUARTZITE, cryptocrystalline irregular black bands and inclusions of quartzite and shale.
A1816	289.5	291.3	1.8		0.07	0.035		QUARTZITE, granular with very spongey texture mid-grey with black shale lenses.
A1817	291.3	292	0.7	0.7	0.03	0.086		QUARTZITE, very fine brittle disseminated molybdenite, some irregular dark shaley bands and inclusions.
A1818	292	294	2	1.8	0.03	0.025		
A1819	294	296	2	1.7	0.03	0.029		
A1820	296	297	1	0.7	0.02	0.027		
A1821	297	299	2	1.8	0.02	0.037		
A1822	299	301	2	2	0.04	0.044		
A1823	301	303	2	2	0.04	0.067		
A1824	303	304	1	1	0.03	0.154		
A1875	304	306	2	2	0.02	0.011		
A1876	306	310	4	4	0.04	0.010		QUARTZITE, very dark fine shaley mottled.
A1877	310	314	4	4	0.04	0.011		
A1878	314	316	2	2	0.04	0.012		
A1879	316	317	1	1	0.04	0.017		
A1880	317	319	2	2	0.03	0.025		QUARTZITE, light very fine to cryptocrystalline
A1881	319	321	2	2	0.03	0.070		massive brittle, a few dark shaley bands and

					WO_3	Mo	Cu	Ni	S			
A1882	321	323	2	2	0.01	0.080					lenses. Disseminated molybdenite throughout upper half of unit.	
A1883	323	325	2	2	0.03	0.071						
A1884	325	327	2	2	0.02	0.038						
A1885	327	329	2	2	0.02	0.037						
A1886	329	331	2	2	0.03	0.015						
	331	346	15	15								
	346	394	48	45							QUARTZITE, very mottled and irregular colouration and texture mixed shaly and biotite rich blebs and some bands, unit generally fine and only minor granularity.	
	394	508	114	105							QUARTZITE, fine grained, very even grainsize, rather massive, some minor banding of sedimentary nature generally biotite rich quartzite with biotite fine and evenly distributed. From 415 - 430 numerous small light coloured and quartz rich aplite veins many coarse grained and cloudy in texture and very diffuse margins.	
	508	522	14	9							QUARTZITE, strongly fractured and altered, chloritised and serpentinised.	100% <1
	522	620	98	90							QUARTZITE, fine grained, mid-grey mottled with biotite rich blebs, generally very micaceous throughout. A few thinshaley bands. Fair amount of fracturing and jointing throughout. From 613' very strongly fractured, chloritic slickensided shear planes.	Strongl fractur in part
	620	626	6	2						FAULT ZONE	FAULT ZONE, fragmented quartzite and garnet pyroxene hornfels, some clay.	FAULT
A1966	626	628	2	1.5	0.45	0.066				GARNET PYROXENE HORNFELS 626-644	GARNET/PYROXENE HORNFELS, very irregularly mixed having major fluidity and description, major fracture with fibrous calcite and showing strong deformation, irregular disseminated scheelite and sulphide. Sulphides pyrite, chalcopyrite and pyrrhotite become abundant in some sections.	
A1967	628	630	2	1.9	0.04	0.014						
A1968	630	634	4	3.8	0.04	0.021						
A1969	634	638	4	4	0.05	0.019						
A1970	638	640	2	2	0.05	(0.01	0.003		1.16			
A1971	640	642	2	2	0.16	0.025	0.045		3.74			
A1972	642	644	2	2	0.13	0.029	0.009		2.53			
A1973	644	646	2	1.7	0.12	0.010	0.024		2.47	BANDED HORNFELS 644 - 698	BANDED HORNFELS, pyroxene, garnet and biotite rich bands interspersed with recrystallised calcite hornfels. Abundant quartz causing strong brecciation and alteration in part. Some quartz calcite pyroxene intergrowth with	
A1974	646	648	2	1.7	0.09	0.025	0.018		0.96			
A1975	648	650	2	1.9	0.28	01023	0.009		2.83			
A1976	650	651	1	1	0.06	(0.01	0.003		1.59			
A1977	651	653	2	2	0.11	(0.01	0.078		1.34			

DRILL HOLE NO. 310

SAMPLE No.	FROM	TO	LENGTH SAMPLED	LENGTH RECVD	ASSAYS WO3	Mo	Cu	Ni	S	LOG	GEOLOGICAL DESCRIPTION
A1978	653	654	1	1	0.06	0.015	0.009		0.57		large well developed crystals > 1 cm with
A1979	654	656	2	2	0.06	0.010	0.006		1.82		straight line outlines. Irregularly dissem-
A1980	656	658	2	2	0.08	(0.01	0.009		3.30		inated scheelite and sulphide throughout.
A1981	658	660	2	2	0.11	0.017	0.006		1.19		Sulphides, pyrite chalcopyrite, pyrrhotite
A1982	660	662	2	2	0.20	(0.01	0.014		2.42		ahd minor molybdenite, become abundant in
A1983	662	664	2	2	0.20	0.024	0.025		3.02		some sections.
A1984	664	668	4	4	0.04	(0.01	0.010		3.87		
A1985	668	670	2	2	0.17	0.017	0.008		0.66		
A1986	670	672	2	2	0.46	0.044	0.081		2.91		
A1987	672	674	2	2	0.07	0.058	0.177		6.62		
A1988	674	676	2	2	0.06	0.046	0.091		6.54		
A1989	676	678	2	2	0.06	0.012	0.017		1.71		
A1990	678	682	4	4	0.05	(0.01					BANDED HORNFELS, with intimately intermixed
A1991	682	686	4	4	0.05	(0.01					garnet, pyroxene and calcite hornfels, some
A1992	686	688	2	2	0.01	(0.01					disseminated scheelite and very minor sulphides.
A1993	688	690	2	2	0.74	0.033					
A1994	690	692	2	2	0.27	(0.01					
A1995	692	696	4	4	0.04	(0.01					
A1996	696	698	2	2	0.06	(0.01					
	698	713	15	15						BIOTITE/PYROXENE HORNFELS 698 - 734 223.7	BIOTITE PYROXENE HORNFELS, irregularly banded with a number of calcite and garnet hornfels bands. Considerable chloritic alteration.
	713	734	21	20							BIOTITE PYROXENE HORNFELS, massive, fine grained irregularly banded direction of banding variable and disturbed. 727 - 728 sheared and slickensided zone.
	734	766	32	31.5						BIOTITE HORNFELS 734 - 766 233.5	BIOTITE HORNFELS, fine grained well banded direction of banding very variable from 0° to 90° to L.C.A. A few minor pyroxene bands irregular blotchy and spotted texture in part.
	766	779 237.44m	13	13							CALCITE HORNFELS, highly altered limestone, abundant pyroxene, biotite and garnet bands and irregular swirls. Very minor disseminated scheelite.
	779	837.5 25.27m	58.5	58							BIOTITE PYROXENE HORNFELS, fine grained thinly bedded highly contorted hornfels, grades from biotite rich to pyroxene (clinoziosite adlite) rich zones.

SURFACE DIRECTED; CORE RECOVERED. DIAMOND

DRILL HOLE No. 310

SAMPLE No.	FROM	TO	LENGTH SAMPLED	LENGTH RECOVERED	ASSAYS WO_3	ASSAYS Mo	GEOLOGICAL DESCRIPTION	FRACTURES
	837.5	859	21.5	21.5			CALCITE HORNFELS 837.5 - 859 261.5 CALCITE HORNFELS, highly altered with numerous garnet, pyroxene biotite rich bands and swirls, very minor scheelite.	
	859	877	18	17			BIOTITE/PYROXENE HORNFELS 859 - 877 261.3 BIOTITE/PYROXENE HORNFELS, thinly bedded fine grained, irregularly lenticular and contorted in part.	
	877	895	18	15			BIOTITE/PYROXENE HORNFELS, interbedded very broken and altered and clayey throughout.	
A2489	895	897	2	2	0.56	0.016	BANDED HORNFELS 895 - 967 291.7 BANDED HORNFELS - Interbedded Calcite Hornfels, and Biotite Pyroxene Hornfels with numerous bands of garnet hornfels and skarn in the calcite bands. Disseminated scheelite in some of the garnet bands. Limestone very abundant for section 935 - 955 but decreasing thereafter.	
A2490	897	899	2	2	0.21	(0.01		
A2491	899	901	2	2	0.07	0.015		
A2492	901	903	2	2	0.15	(0.01		
A2493	903	905	2	2	0.07	0.012		
	905	967	62	58				
	967	984	17	16			BIOTITE/PYROXENE HORNFELS, irregularly interbedded with some calcite and garnet hornfels bands. Zones of alteration similar to weathering with clay and limonite stain.	
		299.9m						
	984	988	4	4			CALCITE HORNFELS, medium grained, poorly banded, altered to clay at base.	
		301.14m						
	988	1006	18	?			CLAY, very soft plastic puggy clay varying in colour from light brown to red brown and dark chocolate brown, a few fragments and irregular bands of solid hornfels.	
		306.68m						
	1006	1014	8	4			?Highly altered granite - a fine crystalline massive rock with laths of feldspar and blocks of biotite recognisable in a very clayey altered matrix, appears low in silica and could represent a basic phase.	
		309.07m						

DIAMOND DRILL HOLE 310

Logged By P. Le Messurier

SAMPLE	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A	REMARKS
A1812	282.5 86.1	284.5	2	0.04	0.078	0.156	
A1813	284.5 86.7	285.8	1.3	0.03	0.021	0.0273	
A1814	285.8 87.1	287.3	1.5	0.04	0.035	0.0525	
A1815	287.3 87.6	289.5	2.2	0.03	1.25	2.75	
A1816	289.5 88.2	291.3	1.8	0.07	0.035	0.063	
A1817	291.3 88.8	292	0.7	0.03	0.086	0.060	
A1818	292 89.0	294	2	0.03	0.025	0.05	
A1819	294 89.6	296	2	0.03	0.029	0.058	48.4' at
A1820	296 90.2	297	2	0.02	0.027	0.054	0.096% Mo
A1821	297 90.5	299	2	0.02	0.037	0.074	
A1822	299 91.1	301	2	0.04	0.044	0.088	
A1823	301 91.7	303	2	0.04	0.067	0.084	
A1824	303 92.3	304	2	0.03	0.154	0.308	
A1875	304 92.6	306	2	0.02	0.011	0.022	
A1876	306 93.3	310	4	0.04	0.01	0.04	
A1877	310 94.5	314	4	0.04	0.011	0.044	
A1878	314 95.7	316	2	0.04	0.012	0.024	
A1879	316 96.3	317	2	0.04	0.017	0.034	
A1880	317 96.6	319	2	0.03	0.025	0.05	
A1881	319 99.2	321	2	0.03	0.07	0.14	
A1882	321 97.8	323	2	0.01	0.08	0.16	
A1883	323 98.4	325	2	0.03	0.071	0.142	
A1884	325 99.1	327	2	0.02	0.038	0.076	
A1885	327 99.7	329	2	0.02	0.037	0.074	4.66'
A1886	329 100.3	331	2	0.03	0.015	0.03	
A1966	626 190.8	628	2	0.45	0.066		
A1967	628 191.4	630	2 .25	0.04	0.014		
A1968	630 192.0	634	4	0.04	0.021		
A1969	634 193.2	638	4	0.05	0.019		
A1970	638 194.5	640	2 .10	0.05	(0.01		
A1971	640 195.1	642	2	0.16	0.025		
A1972	642 195.7	644	2 .12	0.13	0.029		
A1973	644 196.3	646	2	0.12	0.01		
A1974	646 196.9	648	2 .18	0.09	0.025		
A1975	648 197.5	650	2	0.28	0.023		2' at 0.28% WO_3
A1976	650 198.1	651	1 .09	0.06	(0.01		
A1977	651 198.4	653	2	0.11	(0.01		
A1978	653 199.0	654	2 .06	0.06	0.015		
A1979	654 199.3	656	2	0.06	0.010		
A1980	656 199.9	658	2	0.08	(0.01		
A1981	658 200.5	660	2 .10	0.11	0.017		
A1982	660 201.2	662	2	0.20	(0.01		

DIAMOND DRILL HOLE 310

Logged By

SAMPLE	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A	REMARKS
A1983	662 201.8	664	2	0.20	0.024		
A1984	664 202.4	668	4	0.04	(0.01		
A1985	668 203.6	670	2	0.17	0.017		
A1986	670 204.2	672	2	0.46	0.044		2' at 0.46% WO_3
A1987	672 204.8	674	2	0.07	0.058		
A1988	674 205.4	676	2	0.06	0.046		
A1989	676 206.0	678	2	0.06	0.012		
A1990	678 206.6	682	4	0.05	(0.01		
A1991	682 207.9	686	4	0.05	(0.01		
A1992	686 209.1	688	2	0.01	(0.01		
A1993	688 209.7	690	2	0.74	0.033	1.48	4' at 0.5% WO3
A1994	690 210.3	692	2	0.27	(0.01	0.54	Mo. 0.022
A1995	692 210.9	696	4	0.04	(0.01		
A1996	696 212.1	698	2	0.06	(0.01		
A2489	895 272.8	897	2	0.56	0.016		2' at 0.56% WO_3
A2490	897 273.4	899	2	0.21	(0.01		
A2491	899 274.0	901	2	0.07	0.015		
A2492	901 274.6	903	2	0.15	(0.01		
A2493	903 275.21	905 275.8	2	0.07	0.012		

Possible fault 139' (42.4 m)

Fault 148' (44.5 m)

Possible fault 203' (61.9 m)

Major fracture 235' (71.6 m)

Major fracture 252' (76.8 m)

Fault 340' (103.6 m)

Fault 363' (110.6 m)

Possible fault 508' (154.8 m) - 522' (159.1 m)

Possible Fault 613' (188.8 m) - 622' (189.2 m)

Fault 635' (193.5 m)

Fault 648' (197.5 m)

Major fracture 701' (213.7 m)

Major fracture 742' (226.2 m)

Incompetent ground 773' (235.6 m)

Major fracture 796 ' (242.6 m)

Major fracture 801' (244.1 m)

Incompetent ground 845' (257.6 m)

Fault 877' (267.3 m) - 892' (271.9 m)

Fault 988' (301.1 m) - 1008' (307.2 m)

DRILLING METHOD	GROUND LEVEL	COORDINATES	DDH No.
DIAMOND DRILLING	+ 389.5 '	109397.5 N 546976 100999.8 E 220346 ✓	310

MACHINE	CORE BARREL DESIGN	ORIENTATION	SITE
		Vertical	10338.84 N 40415.85 E (Bhm) No 3 Orebody South

DRILL PROGRESS	CASING	DEPTH	R.L.	DESCRIPTION	CORE SIZE	FRACTURE Joints/m 10 20 30	CORE RECOVERY	R.Q.D.	STABIL. INDEX	DISCONTIN
		25		METAVOLCANICS. Actinolite chlorite rock, fine grained, irregular grey green mottled						
		30		METAVOLCANICS. Fine grained, mid grey green vesicular Strongly jointed. Many chlorite and carbonate veins.	BQ 36.5 mms dia.		95.2	66.6	8.1	
		35		METAVOLCANICS. Many chloritic and serpentinous veins. Strongly fractured. Chlorite on joint facings.			85.7	37.1	15.4	Heavily fractured
		40								

EXPLANATION

REMARKS

Completed

May 1970

Contractor. A.d.d.

Logged. P.LeM & M.J.D.

Scale 1 : 100

DRILLING METHOD	GROUND LEVEL	COORDINATES	DDH No.
			310

MACHINE	CORE BARREL DESIGN	ORIENTATION	SITE

DRILL PROGRESS	CASING	DEPTH	R.L.	DESCRIPTION	CORE SIZE	FRACTURE LOG Joints/m 10 20 30	CORE RECOVERY	R.Q.D.	STABIL. INDEX	DISCONTIN
		45					63.2	15.8	27.8	Heavily fractured
		50		BIOTITE HORNFELS. Fine grained, finely banded, siliceous in part.						
		55		LIMESTONE. Recrystallised, highly altered with abundant calcite dykelets and veins.						
		60		BIOTITE HORNFELS. Fine to very fine grained, massive, banding poorly developed.			96.1	66.6	9.0	
				METAVOLCANICS. A biotite actinolite chlorite rock, med. grained-grey green.						

EXPLANATION

REMARKS

DRILLING METHOD | GROUND LEVEL | COORDINATES | DDH No 310

MACHINE | CORE BARREL DESIGN | ORIENTATION | SITE

DRILL PROGRESS	CASING	DEPTH	R.L.	DESCRIPTION	CORE SIZE	FRACTURE Joints/m	CORE RECOVERY	R.Q.D.	STABIL. INDEX	DISCONTIN
		65		Abundant chlorite.						
		70								
		75								
		80								
		85								

64.0 14.0 16.2

96.0 62.0 7.9

EXPLANATION

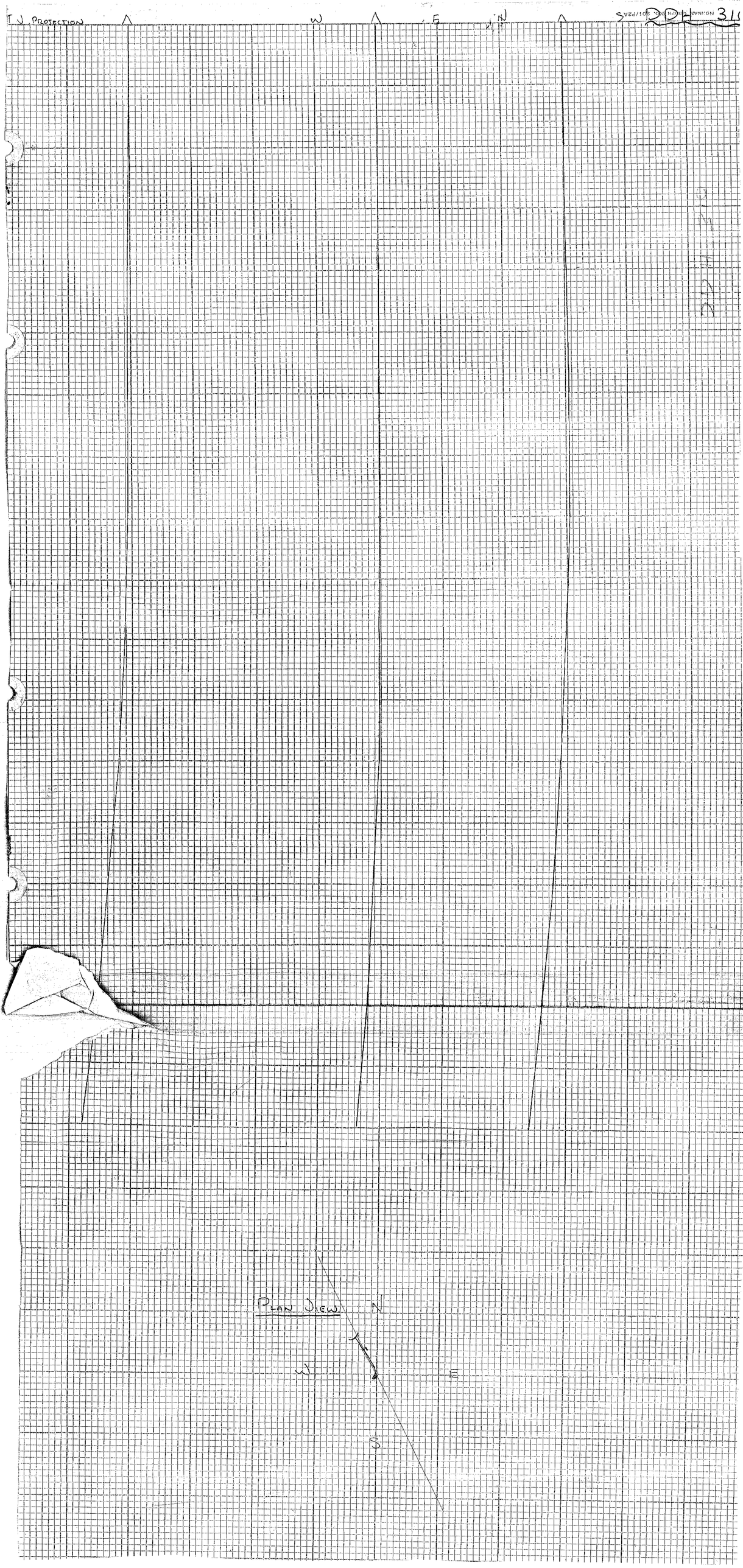
REMARKS

T.J. PROJECTION

W E N

NORMAN EDISON INC. 801/PZAS

31



DDH 310 Casing 110'

Depth 900

Date 25/5/70

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

1	2	3	4	5	6	7	8	9	10	11	12
Depth	Course Length	Drift Angle	Cosine Sine	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine	Contangent Tangent	Deflection °
20	20	·45'	·9999 ·0131	·0131	19.99	19.99	·262	S 53 W	·6018 ·7986	·7536	·362
40	20	1°00	·9998 ·0175	·0175	19.99	39.98	·350	N 80 E	·1736 ·9848	·1763	·612
60		moving no reading	—	—	—	—	—	—	—	—	—
80	~~40~~ 20	45'	·9999 ·0131	·0131	39.99	79.97	·524	S 46 W	·6947 ·7193	·9657	·874
* 100	20	45'	·9999 ·0131	·0131	19.99	* 99.96 80.47	·262	S 36 W	·8090 ·5878	·7266	* 1·136
120	20	15'	1·0000 ·0044	·0044	20.00	119.96	·088	195 S 15 W	·9659 ·2588	·3679	1·224
140	20	1°00	·9998 ·0175	·0175	19.99	139.95	·350	S 20 W	·9397 ·3420	·3640	1·574
160	20	·45'	·9999 ·0131	·0131	19.99	159.94	·262	S 5 E	·9962 ·0872	·0875	1·836
180	20	1°00	·9998 ·0175	·0175	19.99	179.93	·350	S 40 W	·7660 ·6428	·8391	2·186
* 200	20	1°00	·9998 ·0175	·0175	19.99	* 199.92 89.93	·350	215 S 25 W	·8192 ·5736	·7002	* 1·536
220	20	·45'	·9999 ·0131	·0131	19.99	219.91	·262	S 1 W	·9998 ·0175	·0175	2·798
240	20	·45'	·9999 ·0131	·0131	19.99	239.90	·262	S 10 W	·9848 ·1736	·1763	3·060
260	20	1°00	·9998 ·0175	·0175	19.99	259.89	·350	S 70 W	·3420 ·9397	·3640	3·410
280	20	·45'	·9999 ·0131	·0131	19.99	279.88	·262	S 45 W	·7071 ·7071	cot 1·0000	3·672
* 300	20	·45'	·9999 ·0131	·0131	19.99	299.87 91.99	·262	204 S 24 W	·9185 ·1067	·4452	* 3·934
320	20	0°	—	—	~~20·00~~	319.87	—	—	—	—	—
340	20	0°	—	—	~~20·00~~	339.87	—	—	—	—	—
360	20	0°	—	—	~~20·00~~	359.87	—	—	—	—	—
380	20	·45'	·9999 ·0131	·0131	19.99	379.86	·262	~~N~~	1·0000 ·0000	—	—
* 400	20	1°00	·9998 ·0175	·0175	19.99	399.85 [21.87]	·350	005 N 5 E	·9962 ·0872	·0875	* 4·284
420	20	1°15'	·9998 ·0128	·0128	19.99	419.84	·256	N 3 W	·9986 ·0523	·0524	4·540
440	20	1°45'	·9988 ·0480	·0480	19.98	439.82	·960	~~N~~	1·000 ·0000	—	—
460	20	2°00	·9994 ·0349	·0349	19.99	459.81	·698	~~N~~	1·000 ·0000	—	—
480	20	2°15'	·9992 ·0393	·0393	19.98	479.79	·786	N 5 W	·9962 ·0872	·0895	5·326
* 500	20	2°45'	·9988 ·0480	·0480	19.98	499.77 [52.33]	·960	354 ~~006~~ N 6 W	·9945 ·1045	·1051	* 6·286
520	20	3°00'	·9986 ·0523	·0524	19.98	519.75	1·046	N 4 W	·9976 ·0698	·0699	7·332
540	20	3°15'	·9984 ·0567	·0568	19.97	539.72	1·134	N 1 5 W	·9659 ·2588	·2679	8·466
560	20	3°45'	·9979 ·0654	·0655	19.96	559.68	1·308	N 20 W	·9397 ·3420	·3640	9·774
580	20	4°00	·9976 ·0698	·0699	19.95	579.63	1·396	N 18 W	·9511 ·3090	·3249	11·170
* 600	20	4°15'	·9973 ·0741	0743	19.95	599.58 [82.75]	1·482	338 N 22 W	·9272 ·3746	4040	* 12·652

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

13		14		15		16	
Co-ordinate Difference				Rectangular Difference			
N	S	E	W	N	S	E	W
	·158		·209		·158		·209
·061		·345			·097	·136	
—	—	—	—	—	—	—	—
	·352		·366		·449		·230
	·212		·154		* ·661 ·20		* ·384 ·12
	·085		·023		·746		·407
	·329		·120		1·075		·527
	·261		·023		1·336		·550
	·268		·225		1·604		·775
	·287		·201		* 1·891 ·58		* ·996 ·30
	·362		·004		2·053		·980
	·258		·045		2·411		1·025
	·120		·394		2·531		1·354
	·185		·185		2·716		1·539
	·239		·107		* 2·955 ·90		* 1·646 ·50
—	—	—	—	—	2·955	—	1·646
—	—	—	—	—	2·955	—	1·646
—	—	—	—	—	2·955	—	1·646
·262	—	—	—	—	2·693		1·646
·349		·031			* 2·344 ·71		* 1·615 ·50
·056			·013		2·088		1·628
·096	—	—	—	—	1·128	—	1·628
·698		—	—	—	0·430	—	1·628
·783			·069	0·350			1·697
·955			·100	1·305 ·40		500	* 1·797 ·55
1·043			·073	1·378			1·870
1·095			·093	3·443			2·163
1·229			·447	4·672			2·610
1·323			431	5·995			3·041
1·374			·555	* 7·369 7·25		600	* 3·596 1·10

DDH 310

Depth 900' Bearing 110°

Date 25/7/70

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

1	2	3	4	5	6	7	8	9	10	11	12
Depth	Course Length	Drift Angle	Cosine Sine	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine	Contangent Tangent	Deflection
620	20	4°30'	·9969 ·0785	·0785	19.94	619.52	1.570	N29W	·8746 ·4848	·5543	14.222
640	20	4°15'	·9973 ·0741	·0743	19.95	639.47	1.482	N28W	·8829 ·4695	·5317	15.700
660	20	4°15'	·9973 ·0741	·0743	19.95	659.42	1.482	N27W	·8910 ·4540	·5095	17.186
680	20	4°15'	·9973 ·0741	·0743	19.95	679.37	1.482	N30W	·8660 ·5000	·5774	18.668
* 700	20	4°15'	·9972 ·0741	·0743	19.95	* 699.32 (213.15)	1.487	N29W (331)	·8746 ·4848	·5543	* 20.150
720	20	4°30'	·9969 ·0785	·0785	19.94	719.26	1.570	N25W	·9063 ·4226	·4663	21.720
740	20	4°45'	·9966 ·0828	·0831	19.93	739.19	1.656	N30W	·8660 ·5000	·5744	23.376
760	20	4°45'	·9966 ·0828	·0831	19.93	759.12	1.656	N31W	·8572 ·5150	·6009	25.032
780	20	5°00	·9962 ·0872	·0875	19.92	779.04	1.744	N30W	·8660 ·5000	·8744	26.776
* 800	20	5°15'	·9958 ·0915	·0919	19.91	* 799.95 (243.52)	1.830	N31W (329)	·8572 ·5150	·6009	* 28.606
820	20	5°45'	·9950 ·1002	·1007	19.90	818.85	2.004	N35W	·8192 ·5736	·7002	30.610
840	20	6°30'	·9936 ·1132	·1139	19.87	838.72	2.264	N36W	·8090 ·5878	·7266	32.874
860	20	6°30'	·9936 ·1132	·1139	19.87	858.59	2.264	N40W	·7660 ·6428	·8391	35.138
880	20	7°15'	·9920 ·1262	·1272	19.84	878.43	2.524	N37W	·7986 ·6018	·7536	37.662
* 900	20	7°00	·9925 ·1219	·1228	19.85	* 898.28 (273.60)	2.438	N40W (320)	·7660 ·6428	·8391	* 40.100
20	20	·45'	·9999 ·0131	·0131	19.99	19.99	·262	S25E	·9063 ·4226	·4663	262
40	20	·45'	·9999 ·0131	·0131	19.99	39.98	·262	N80E	·1736 ·9848	·1763	524
60	20	30'	1.0000 ·0087	·0087	20.00	59.98	·174	S5E	·9962 ·0872	·0875	698
80	20	30'	1.0000 ·0087	·0087	20.00	79.98	·174	S30E	·8660 ·5000	·5774	872
100	20	·45'	·9999 ·0131	·0131	19.99	99.97	·262	S20E	·9397 ·3420	·3640	1.134
120	20	·45'	·9999 ·0131	·0131	19.99	119.96	·262	S10W	·9848 ·1736	·1763	1.396
140	20	·45'	·9999 ·0131	·0131	19.99	139.95	·262	S10E	·9848 ·1736	·1763	1.658
160	20	·45'	·9999 ·0131	·0131	19.99	159.94	·262	S35W	·8192 ·5736	·7002	1.920
180	20	1°00	·9998 ·0175	·0175	19.99	179.93	·350	S40W	·7660 ·6428	·8391	2.270
200	20	1°00	·9998 ·0175	·0175	19.99	199.92	·350	S35W	·8192 ·5736	·7002	2.620
220	20	·45'	·9999 ·0131	·0131	19.99	219.91	·262	S1W	·9998 ·0175	·0175	2.882
240	20	·45'	·9999 ·0131	·0131	19.99	239.90	·262	S10W	·9848 ·1736	·1763	3.144
260	20	·45'	·9999 ·0131	·0131	19.99	259.89	·262	S70W	·3420 ·9397	·3640	3.406
280	20	·45'	·9999 ·0131	·0131	19.99	279.88	·262	S85W	·7071 ·7071	cot 1.0000	3.668

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

13		14		15		16	
Co-ordinate Difference				Rectangular Difference			
N	S	E	W	N	S	E	W
1.373			·761	8.742			4.357
1.308			·696	10.050			5.053
1.320			·673	11.370			5.726
1.283			·741	12.653			6.467
1.296			·718	* 13.949 (4.35)			* 7.185 (2.19)
1.423			·663	15.372			7.848
1.434			·828	16.806			8.676
1.419			·853	18.225			9.529
1.510			·872	19.735			10.401
1.569			·942	* 21.304 (6.49)			* 11.345 (2.86)
1.642			1.149	22.946			12.492
1.832			1.331	24.778			13.823
1.734			1.455	26.512			15.278
2.016			1.519	28.528			16.797
1.868			1.567	30.396 (9.26)			* 18.364 (5.6)
	·237	·111			·237	·111	
·045		·258			·192	·369	
	·173	·015			·365	·384	
	·150	·087			·515	·471	
	·246	·090			·761	·561	
	·258		·045		1.019	·516	
	·258		·045		1.277	·471	
	·215		·150		1.492	·321	
	·268		·225		1.760	·096	
	·287		·201		2.047		·105
	·262		·005		2.309		·110
	·258		·045		2.567		·155
	·090		·246		2.657		·401
	·185		·185		2.842		·586

DOH 310.
Depth 900'
Date 25/5/70

leasing 110'

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

1	2	3	4	5	6	7	8	9	10	11	12
Depth	Course Length	Drift Angle	Cosine Sine	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine	Contangent Tangent	Deflection
300	20	15'	1.0000 .0044	.0044	20.00	299.88	.088	S 24W	.9135 .4067	.4452	3.756
320	20	0°	—	—	—	—	—	—	—	—	—
340	20	0°	—	—	—	—	—	—	—	—	—
360	20	0°	—	—	—	—	—	—	—	—	—
380	20	30'	1.0000 .0087	.0087	20.00	319.88	.174	—	—	—	—
400	20	45'	.9999 .0131	.0131	19.99	339.87	.362	N 5W	.9962 .0872	.0875	4.018
420	20	1°15'	.9998 .0218	.0218	19.99	359.86	.256	N 3W	.9986 .0523	.0524	4.274
440	20	1°45'	.9995 .0305	.0306	19.99	379.85	.610	—	—	—	—
460	20	2°00	.9994 .0349	.0349	19.99	399.84	.698	N 3 W	.9986 .0523	.0524	4.972
480	20	moving no reading	—	—	—	—	—	—	—	—	—
500	20	2°15'	.9992 .0393	.0393	19.98	419.82	.786	N 5W	.9986 .0523	.0524	5.758
520	20	2°45'	.9988 .0480	.0480	19.98	439.80	.960	N 6W	.9945 .1045	.1051	6.718
540	20	3°00	.9986 .0523	.0524	19.98	459.78	1.048	N 10W	.9848 .1736	.1763	7.764
560	20	3°15'	.9984 .0567	.0568	19.97	479.75	1.134	N 15W	.9659 .2588	.2679	8.898
580	20	3°45'	.9979 .0654	.0655	19.96	499.71	1.308	N 15W	.9659 .2588	.2679	10.206
600	20	4°.00	.9976 .0698	.0699	19.95	519.66	1.396	N 22W	.9272 .3746	.4040	11.602
620	20	4°15'	.9973 .0741	.0743	19.95	539.61	1.482	N 21W	.9336 .3584	.3839	13.084
640	20	4°15'	.9973 .0741	.0743	19.95	559.56	1.482	N 28W	.8829 .4695	.5317	14.566
660	20	4°15'	.9973 .0741	.0743	19.95	579.51	1.482	N 29 W	.8746 .4848	.5543	16.048
680	20	4°15	.9973 .0741	.0743	19.95	599.46	1.482	N 30W	.8660 .5000	.5774	17.530
700	20	4°15	.9973 .0741	.0743	19.95	619.41	1.482	N 25W	.9063 .4226	.4663	19.012
720	20	4°15'	.9973 .0741	.0743	19.95	639.36	1.482	N 19W	.9455 .3256	.3443	20.494
740	20	4°30'	.9969 .0785	.0785	19.94	659.30	1.570	N 20W	.9397 .3420	.3640	22.064
760	20	4°45'	.9966 .0828	.0831	19.93	679.23	1.656	N 30 W	.8660 .5000	.5774	23.720
780	20	4°45'	.9966 .0828	.0831	19.93	699.16	1.656	N 30W	.8660 .5000	.5774	25.376
800	20	5°00	.9962 .0872	.0875	19.92	719.08	1.744	N 31W	.8572 .5150	.6009	27.120
820	20	5°30'	.9954 .0958	.0963	19.90	738.98	1.916	N 35W	.8192 .5736	.7002	29.036
840	20	6°00	.9945 .1045	.1051	19.89	758.87	2.090	N 37W	.7986 .6018	.7536	31.136
860	20	6°30'	.9936 .1132	.1139	19.87	778.74	2.264	N 40 W	.7660 .6428	.8391	33.390
880	20	6°30'	.9936 .1132	.1139	19.87	798.61	2.264	N 40W	.7660 .6428	.8391	35.654
900	20	7°.00	.9925 .1219	.1228	19.85	818.46	2.438	N 40W	.7660 .6428	.8391	38.092

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

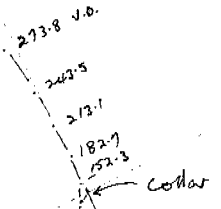
13		14		15		16	
Co-ordinate Difference				Rectangular Difference			
N	S	E	W	N	S	E	W
	.080		.036		2.922		.622
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
.261			.023		2.661		.645
.256			.013		2.405		.658
—	—	—	—	—	—	—	—
.697			.037		1.708		.695
—	—	—	—	—	—	—	—
.785			.041		.923		.736
.955			.100	.032			.836
1.030			.182	1.062			1.018
1.095			.293	2.157			1.311
1.263			.339	3.420			1.650
1.294			.523	4.714			2.173
1.384			.531	6.098			2.704
1.308			.696	7.406			3.400
1.296			.718	8.702			4.118
1.283			.741	9.985			4.859
1.343			.626	11.328			5.485
1.401			.483	12.709			5.968
1.475			.537	14.204			6.505
1.434			.828	15.638			7.333
1.434			.828	17.072			8.161
1.495			.898	18.567			9.059
1.570			1.099	20.137			10.158
1.670			1.258	21.807			11.416
1.734			1.455	23.541			12.871
1.734			1.455	25.275			14.326
1.868			1.567	27.143			15.893

DDH 310

Scale 1:500

Plan view

Total depth : 1014'
Surveyed to : 960'



DIAMOND DRILL HOLE NO. 309

LOCATION:	No. 3 Orebody
CO-ORDINATES:	100,998.23E: 109,499.83N
R.L.:	3806.08 Feet
DATE COMMENCED:	26th May, 1970.
DATE COMPLETED:	15th July, 1970.
FINAL DEPTH:	1056 Feet core recovered to only 1056' 1062 feet actual depth drilled
DATE SURVEYED:	-
LOGGED BY:	P. Le Messurier.

364.08

DRILL HOLE No. 309

SAMPLE No.	FROM	TO	WIDTH	WO_3	Mo	VOLCANIC DESCRIPTION	FRACTURES
	0	3	3	0		No core	No core, Surface soil and clay
	3	22	19	5		META VOLCANICS 3 - 221 67.4	META VOLCANICS, irregular fragments of volcanics in very clayey matrix.
	22	83	61	43			META VOLCANICS, fine grey green chlorite rich rock with very irregular mottled texture of variable lighter felsic and darker chloritic zones. Many limonite stained clayey joints.
	83	135	52	48			META VOLCANICS, generally darker and less chloritic than above, but with some mottled chloritic zones.
	135	172	37	35			META VOLCANICS, light very chloritic with abundant fragmental zones, some very soft fibrous chlorite.
	172	221	49	49			META VOLCANICS, fine grained felsic matrix with abundant chlorite blebs, mostly quite crystalline chlorite and regular clear margins some larger diffuse areas of chlorite, some fractured zones with slickensided serpentinised surfaces. Some zones of fragmental type.
	221	247.5	26.5	26		HYBRID ROCK 221 - 252.5 77.0	Hybrid Rock, very similar in general mineralogy and texture to Meta Volcanics but containing relatively abundant biotite as fine threads and dissemination.
	247.5	252.5	5	5			Hybrid, fine felsic rock strongly epidotised and chloritised.
	252.5	283	30.5	30		QUARTZITE 252.5 - 283 86.2	QUARTZITE, fine grained highly siliceous rock with minor biotite, well developed bedding in part, some granular more massive bandswith higher biotite content. Pyrite common on joints and bedding surfaces and as fine veins.
	283	310.5	27.5	27.5			HORNFELS, fine dark siliceousrock with varying percentages of biotite and muscovite and a light fibrous mineral either chlorite or tremolite. In some darker sections the fibrous mineral is abundant. Some irregular mottled and epidotised zones in basal 6 feet.

SAMPLE No.					WO_3	Mo		
	310.5 (9μ6)	340 (103.6)	29.5	29.5				B META VOLCANICS, biotite pyroxene hornfels with typical texture, granular rock with remnant feldspars in a biotite-pyroxene feldspar quartz rock.
	340	344	4	4				BIOTITE HORNFELS, very fine thin banded with some pyroxene bands.
A3205	344	346	2	2	0.07	(0.01	SKARN 344 - 360 (104.8 – 109.73)	SKARN, fine grained pyroxene rich fairly well developed bedding in part, a few coarser garnet calcite bands with very minor scheelite.
A3206	346	348	2	2	0.06	(0.01		
A3207	348	350	2	2	0.07	0.027		
A3208	350	352	2	2	0.09	(0.01		
A3209	352	354	2	2	0.03	0.015		
A3210	354	356	2	1	0.22	(0.01		
A3211	356	358	2	2	0.41	0.198		
A3212	358	360	2	2	0.83	0.046 (109.7)		
A3213	360	362	2	2	0.04	(0.01	LIMESTONE 360 - 419 (109.73 – 127.7)	LIMESTONE, fine grained, banded, highly altered and metasomatised in part with garnet and pyroxene bands, minor scheelite, very contorted and mobile in part.
A3214	362	364	2	2	0.05	(0.01		
	364	415	49	49				
A3215	415	419	4	4	0.02	(0.01		
A3216	419	421	2	2	0.46	0.122	SKARN 419 - 453.5 (127.7 – 138.2)	SKARN, very variable grainsize and mineralogy, pyroxene rich, very minor garnet, many limestone bands with only minor alteration. Disseminated scheelite very sporadically throughout.
A3217	421	423	2	2	0.09	(0.01		
A3218	423	427	4	4	0.02	(0.01		
A3219	427	431	4	4	0.04	(0.01		
A3220	431	433	2	2	0.40	0,018		
A3221	433	435	2	2	0.08	(0.01		
A3222	435	437	2	2	0.04	(0.01		
A3223	437	439	2	2	0.19	0.016		
A3224	439	443	4	4	0.02	0.056		
A3225	443	447	4	4	0.25	0.017		
A3226	447	449	2	2	(0.01	(0.01		
A3227	449	451	2	2	0.29	0.020		
A3228	451	453.5	2.5	2.5	0.10	0.011		
	453.5	484	30.5	30			BIOTITE HORNFELS	BIOTITE HORNFELS, fine grained massive dark brown to black fine disseminated biotite abundant throughout, very minor banding.
	484	488	4	4				PYROXENE, very fine grained grey green massive rock.
	488 (148.7)	498 (151.8)	10	10			APLITE	APLITE, fine grained very turbed textured rock of variable mineralogy, generally quartz-feldspar rich and low in mafic minerals.

					WO_3	Mo		
								Contacts very clear and sharp.
	498	596.5	98.5	95			BIOTITE/PYROXENE HORNFELS 498 - 596.5 181-8	BIOTITE/PYROXENE HORNFELS, fine grained mottled brown and grey-green rock. Essentially a fine siliceous rock with zones of varying abundance of biotite and pyroxene, zones grade from one to another with complete transition. Zones irregular with only some minor regular banding in biotite zones. Relative percentage of biotite and pyroxene zones roughly equal but local abundance most variable.
	596.5	613	16.5	16.5			APLITE 596.5 - 613 186-8	APLITE, fine grained very turgid and cloudy texture, composition variable but quartz feldspar rich and generally low in mafic minerals, very strongly iron stained brick red and orange red, some zones of leached cavities. Contacts sharp but with slight increase in mafic content.
	613	625	12	12			PYROXENE HORNFELS	PYROXENE HORNFELS, fine grained banded with bands of variable pyroxene content and minor bands of biotite and carbonate, unit gradational to underlying skarn, banding placed at first major occurrence of garnet. Scheelite in lower portion of unit.
A3460	625	627	2	2	0.05	(0.01		
A3461	627	629	2	2	0.05	0.010		
A3462	629	630	1	1	0.17	(0.01		
A3463	630	632	2	2	0.14	(0.01		
A3464	632 1926	634	2	2	1.18	0.040	SKARN	SKARN, banded, garnet and pyroxene about equal proportions, disseminated scheelite, Gradational banding above, sharp banding below.
A3465	634	636	2	2	1.21	0.044		
A3466	636	638	2	2	0.65	0.028		
A3467	638	642	4	4	0.04	(0.01	LIMESTONE 638 - 689 1945 210.0	LIMESTONE, fine recrystallised in part, generally well banded. Very variable and irregular zones of alteration to pyroxene hornfels, very tierbid texture in part, clayey bands. Abundant irregular calcite bands and veins. Sporadic scheelite associated with alteration.
A3468	642	644	2	2	0.04	(0.01		
A3469	644	646	2	2	0.18	0.016		
A3470	646	648	2	2	0.22	0.013		
A3471	648	650	2	2	0.07	0.011		
A3472	650	654	4	4	0.04	(0.01		
A3473	654	656	2	2	0.08	(0.01		
A3474	656	658	2	2	0.05	(0.01		
A3475	658	660	2	2	0.19	0.014		
A3476	660	664	4	4	0.04	(0.01		
A3477	664	666	2	2	0.24	0.018		
A3478	666	670	4	4	0.01	(0.01		
A3479	670	674	4	4	0.01	(0.01		
A3480	674	678	4	4	0.12	(0.01		
A3481	678	680	2	2	0.01	(0.01		

					WO_3	Mo		
A3482	680	683	3	3	0.02	(0.01		
A3483	683	685	2	2	0.34	0.017		
A3484	685	689	4	4	0.04	(0.01		
A3485	689	691	2	2	0.98	0.045	SKARN 689-701 213.7	SKARN, fine to medium grained mixed pyroxene and garnet in equal proportions, plentiful disseminated scheelite.
A3486	691	693	2	2	1.23	0.049		
A3487	693	695	2	2	0.59	0.023		
A3488	695	697	2	2	0.38	0.011		
A3489	697	699	2	2	0.32	0.015		
A3490	699	701	2	2	0.23	(0.01		
A3491	701	703	2	2	0.06	(0.01		PYROXENE HORNFELS, medium grained similar to skarn in part, many biotite bands.
A3492	703	705	2	2	0.07	(0.01		
	705	714	9	9			BIOTITE HORNFELS 701 - 714 217.6	BIOTITE HORNFELS, fine grained banded with pyroxene hornfels bands.
	714	790	76	75			BIOTITE/PYROXENE HORNFELS 714 - 790 240.8	BIOTITE/PYROXENE HORNFELS, fine grained generally siliceous rock with varying percentages of fine biotite and pyroxene giving highly mottled appearance. Biotite generally more abundant but relative percentages highly variable. Bands show continuous gradation and have most idffuse and irregular boundaries. Very occasional sporadic carbonate rich blebs bands and patches some with well developed alteration rims.
A3520	790	792	2	2	0.05	(0.01	PYROXENE/GARNET HORNFELS 790 - 797' 242.9	PYROXENE GARNET HORNFELS, fine grained pyroxene hornfels with numerous irregular calcite bands and fragments. Most fragments have well developed garnet and pyroxene reaction rims, disseminated scheelite.
A3521	792	794	2	2	0.05	(0.01		
A3522	794	796	2	2	0.05	(0.01		
A3523	796	797	1	1	0.06	(0.01		
A3524	797	799	2	2	0.19	(0.01	SKARN (pgh)	SKARN, medium grained garnet and pyroxene but with many calcite blebs and has strong affinities with pyroxene garnet hornfels. Disseminated scheelite.
A3525	799	801	2	2	3.3	0.102		
A3526	801	803	2	2	0.29	0.010		
A3527	803	805 245.4	2	2	0.18	(0.01		
A3528	805	807	2	2	0.08	0.012	PYROXENE/GARNET HORNFELS	PYROXENE GARNET HORNFELS, as above.
A3529	807	808 246.4	1	1	0.04	(0.01		
A3530	808	810	2	2	0.10	(0.01	SKARN	SKARN, fine grained, rare calcite.
A3531	810	812	2	2	0.19	(0.01		
A3532	812	813	1	1	0.07	(0.01		

					WO_3	Mo		
A3533	813 247.6	815	2	2	0.05	(0.01	BIOTITE/PYROXENE HORNFELS	BIOTITE/PYROXENE HORNFELS, fine grained mottled
A3534	815	817 249.0	2	2	0.06	0.011		and intermixed, minor calcite blebs.
A3535	817	819	2	2	0.09	(0.01	SKARN	SKARN, variable grainsize but generally
A3536	819	829	2	2	0.19	(0.01		medium to fine, garnet and pyroxene in
A3537	821	823	2	2	1.05	0.034		approx. equal proportions. Minor calcite
A3538	823	825	2	2	0.12	(0.01		blebs and veins. Disseminated scheelite.
A3539	825	827	2	2	0.18	(0.01		
A3540	827	829	2	2	0.06	(0.01		
A3541	829	831	2	2	0.19	(0.01		
A3542	831	833	2	2	0.17	(0.01		
A3543	833	835 254.5	2	2	0.04	(0.01		
A3544	835	837	2	2	0.06	(0.01	PYROXENE/GARNET HORNFELS	PYROXENE/GARNET HORNFELS, very fine some minor
A3545	837	839	2	2	0.05	(0.01		garnet in groundmass, many well developed
A3546	839	841	2	2	0.06	(0.01		calcite blebs and fragments.
A3547	841	843	2	2	0.06	(0.01		
A3548	843	844 257.2	1	1	0.06	(0.01		
A3549	844	845	1	1	0.12	(0.01		SKARN, fine to medium grained, garnet and
A3550	845	847	2	2	0.80	(0.01		pyroxene in equal abundance, Scheelite more
A3551	847	849	2	2	0.36	0.013		abundant than previous units.
A3584	849	851	2	2	0.27	0.012		
A3585	851	853	2	2	1.29	0.061		
A3586	853	855 260.6	2	2	0.51	0.026		
A3587	855	857	2	2	0.01	(0.01		LIMESTONE, fine grained recrystallised and
A3588	857	859	2	2	0.01	(0.01		altered. 861' to 864' well developed limestone
	859	867 264.3	8	8				breccia.
	867	880 268.2	13	3				CLAY, very puggy brown and grey clay, a few
								small pieces of limestone.
	880	887 270.3	7	7				LIMESTONE, fine recrystallised and altered
								in part, well banded.
	887	913 278.3	26	26				BANDED HORNFELS, limestone, biotite hornfels
								and pyroxene hornfels irregularly interbanded
								in units varying from 1" to 1 foot. Very
								occasional garnet bands with minor scheelite.
								896 to 898 very altered and clayey soapy
								pug for core in part.
	913	928	15	15				BIOTITE PYROXENE HORNFELS, fine grained dark,
								mixed biotite and pyroxene in very irregular zones.

SAMPLE No.				WO_3	Mo		
	928	934	6	6			PYROXENE HORNFELS, fine grained very thinly banded occasional biotite bands.
	934	956	22	22			BIOTITE HORNFELS-PYROXENE HORNFELS, intermixed and interbedded in very irregular and variable units, fine grained rock with numerous veins and joint fillings of quartz and carbonate. A number of aplitic and granitic veins sharp but unconformable contact with granite.
	956	960	4	4		GRANITE 956 - 1056 JJ/4	GRANITE, fine grained, siliceous aplitic, irregular blocks of biotite pyroxene hornfels, irregular mafic bands.
	960	992	32	31			GRANITE, medium to coarse grained porphyritic well developed phenocrysts of orthoclase in a granular groundmass of feldspar and quartz, biotite major mafic mineral. A few clayey joints and variable bands.
	992	1009	17	17			GRANITE, medium to coarse grained irregular chloritic alteration and epidotisation. A few talcose and chloritic joints, zone generally one of variable alteration.
	1009	1034	25	25			GRANITE, medium to coarse, porphyritic orthoclase, one band of minor alteration.
	1034	1053	19	19			GRANITE, medium grained, siliceous orthoclase virtually absent, minor chloritic alteration.
	1053	1056	3	3			GRANITE, porphyritic orthoclase type
							END OF HOLE

DIAMOND DRILL HOLE ASSAY SHEET

HOLE No. 309

LOGGED BY P. Le Messurier

Sample No.	FOOTAGES From	To	Length	ASSAY WO_3	Mo	L X A	REMARKS
A3205	344 (104.8)	346	2 } .06	0.07	(0.01		
A3206	346 (105.5)	348	2	0.06	(0.01		
A3207	348 (106.1)	350	2 } .08	0.07	0.027		
A3208	350 (106.7)	352	2	0.09	(0.01		
A3209	352 (107.3)	354	2 } .12	0.03	0.015		
A3210	354 (107.9) (108.5)	356	2	0.22	(0.01	0.44	A Lens -
A3211	356	358	2 } .62	0.41	0.198	0.82	6' at
A3212	358 (109.1)	360	2	0.83	0.046	1.66	0.48% WO_3
A3213	360 (109.7)	362	2 } .04	0.04	(0.01		Mo: 0.085%
A3214	362 (110.3)	364 (110.9)	2	0.05	(0.01		
A3215	415 (126.5)	419	4	0.02	(0.01		
A3216	419 (127.7)	421	2 } .28	0.46	0.122		
A3217	421 (128.3)	423	2	0.09	(0.01		
A3218	423 (128.9)	427	4	0.02	(0.01		
A3219	427 (130.1)	431	4	0.04	(0.01		
A3220	431 (131.4)	433	2 } .24	0.40	0.018		
A3221	433 (132.0)	435	2	0.08	(0.01		
A3222	435 (132.6)	437	2 } .12	0.04	(0.01		
A3223	437 (133.2) (133.8)	439	2	0.19	0.016		
A3224	439	443	4	0.02	0.056		
A3225	443 (135.0)	447	4	0.25	0.017		
A3226	447 (136.2)	449	2 } .15	(0.01	(0.01		
A3227	449 (136.8)	451	2	0.29	0.02		
A3228	451 (137.5)	453.5 (138.3)	2.5	0.10	0.011		
A3460	625 (190.5)	627	2 } .05	0.05	(0.01		
A3461	627 (191.1)	629	2	0.05	0.01		
A3462	629 (191.7)	630	1 } .15	0.17	(0.01		
A3463	630 (192.0)	632	2	0.14	(0.01		
A3464	632 (192.6)	634	2	1.18	0.04	2.36	B Lens -
A3465	634 (193.2)	636	2	1.21	0.044	2.42	6 ' at
A3466	636 (193.8)	638	2	0.65	0.028	1.30	1.01% WO_3
A3467	638 (194.5)	642	4	0.01	(0.01		0.037% Mo.
A3468	642 (195.7)	644	2 } .11	0.04	(0.01		
A3469	644 (196.3)	646	2	0.18	0.016		
A3470	646 (196.9)	648	2 } .14	0.22	0.013		
A3471	648 (197.5)	650	2	0.07	0.011		
A3472	650 (198.1)	654	4	0.04	(0.01		
A3473	654 (199.3)	656	2	0.08	(0.01		

DIAMOND DRILL HOLE ASSAY SHEET

HOLE No. 309

LOGGED BY P. Le Messurier

Sample No.	FOOTAGES From	To	Length	ASSAY WO_3	Mo	L X A	REMARKS
A3474	656 199.9	658	2 .06	0.05	(0.01		
A3475	658 200.5	660	2 .09	0.19	0.014		
A3476	660 201.2	664	4	0.04	(0.01		
A3477	664 202.4	666	2 .09	0.24	0.018		
A3478	666 203.0	670	4	0.01	(0.01		
A3479	670 204.2	674	4	0.01	(0.01		
A3480	674 205.4	678	4	0.12	(0.01		
A3481	678 206.6	680	2 .01	0.01	(0.01		
A3482	680 207.3	683	3	0.02	(0.01		12' @ Mo. 0.018
A3483	683 208.2	685	2 .14	0.34	0.017	0.68	
A3484	685 208.8	689	4	0.04	(0.01	0.16	
A3485	689 210.0	691	2 1.10	0.98	0.045	1.96	18' at
A3486	691 210.6	693	2	1.23	0.049	2.46	0.46% WO_3
A3487	693 211.2	695	2 .49	0.59	0.023	1.18	
A3488	695 211.8	697	2	0.38	0.011	0.76	12' at 0.62
A3489	697 212.4	699	2 .27	0.32	0.015	0.64	
A3490	699 213.0	701	2	0.23	(0.01	0.46	
A3491	701 213.7	703	2 .06	0.06	(0.01		
A3492	703 214.3	705	2	0.07	(0.01		
A3520	790 240.8	792	2	0.05	(0.01		
A3521	792 241.4	794	2 .05	0.05	(0.01		
A3522	794 242.0	796	2	0.05	(0.01		
A3523	796 242.6	797	1 .14	0.06	(0.01		
A3524	797 242.9	799	2	0.19	(0.01		
A3525	799 243.5	801	2 1.80	3.3	0.102	6.6	4' at
A3526	801 244.1	803	2	0.29	0.01	0.58	1.79% WO_3
A3527	803 244.7	805	2 .11	0.18	(0.01		Mo. 0.056%
A3528	805 245.4	807	2	0.08	0.012		
A3529	807 246.0	808	1	0.04	(0.01		
A3530	808 246.3	810	2 .15	0.10	(0.01		
A3531	810 246.9	812	2	0.19	(0.01		
A3532	812 247.5	813	1 .05	0.07	(0.01		
A3533	813 247.8	815	2	0.05	(0.01		
A3534	815 248.4	817	2 .07	0.06	0.011		
A3535	817 249.0	819	2	0.09	(0.01		
A3536	819 249.6	821	2 .62	0.19	(0.01		
A3537	821 250.2	823	2	1.05	0.034		2' at 1.05% WO_3
A3538	823 250.8	825	2 .15	0.12	(0.01		
A3539	825 251.5	827	2	0.18	(0.01		
A3540	827 252.1	829	2 .12	0.06	(0.01		

DIAMOND DRILL HOLE ASSAY SHEET

HOLE No. 309

LOGGED BY P. Le Messurier

Sample No.	FOOTAGES From	To	Length	ASSAY WO_3	Mo	L X A	REMARKS
A3541	829 (252.7)	831	2	0.19	(0.01		
A3542	831 (253.3)	833	2 } .10	0.17	(0.01		
A3543	833 (253.9)	835	2 }	0.04	(0.01		
A3544	835 (254.5)	837	2 } .05	0.06	(0.01		
A3545	837 (255.1)	839	2 }	0.05	(0.01		
A3546	839 (255.7)	841	2 }	0.06	(0.01		
A3547	841 (256.3)	843	2 } .07	0.06	(0.01		
A3548	843 (256.9)	844	1 }	0.06	(0.01		
A3549	844 (257.2)	845	1 }	0.12	(0.01		
A3550	845 (257.5)	847	2	0.80	(0.01	1.60	
A3551	847 (258.2)	849	2 } .31	0.36	0.013	0.72	10' at 0.69% WO_3
A3584	849 (258.8)	851	2 }	0.27	0.012	0.54	
A3585	851 (259.4)	853	2 } .90	1.29	0.061	2.58	
A3586	853 (260.0)	855	2 }	0.51	0.026	1.02	0.024% Mo.
A3487	855 (260.6)	857	2 } .01	0.01	(0.01		
A3588	857 (261.2)	859 (261.8)	2 }	0.01			

Major fractures 154' (46.9 m)

Fault 164' (50.0 m)

Possible fault 177' (53.9 m)

Fault 195' (59.4 m) - 199' (60.7 m)

Major fracture 224' (68.3 m)

Possible fault 546' (166.4 m)

Fault 590' (179.8 m)

Major fracture 595' (181.4 m)

Fault 777' (236.8 m)

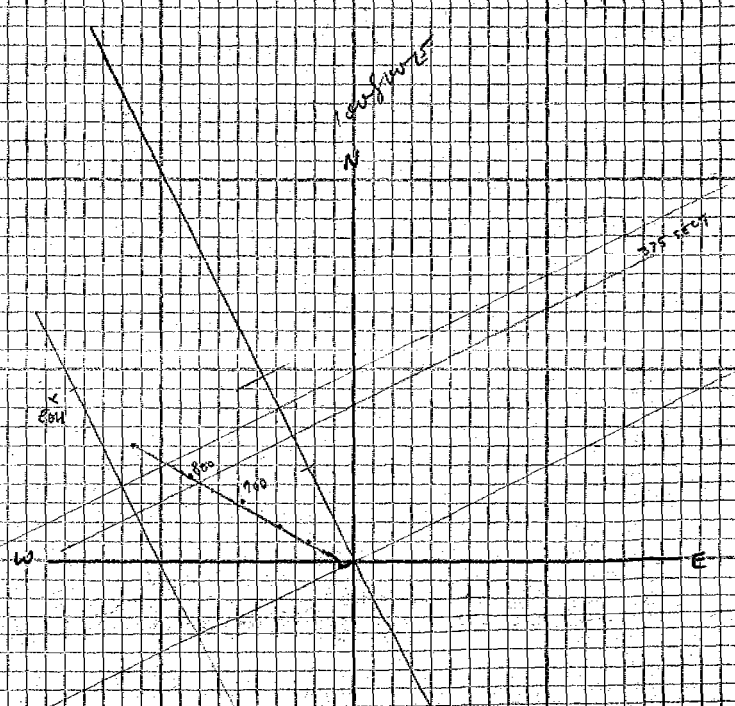
Fault (m) 868' (264.6 m)

Fault 920' (282.2 m)

W E N S

D.D.H 309

100'
200
300
400
500
600
700
800
900
1,000



D.D.H. N° 309

DATE SURVEYED :- 15/7/70

TOTAL DEPTH :- 1,062'

SURVEYED TO :- 900'

clay

D.D.H. N° 309
SURVEYED:- 15/7/70
TOTAL DEPTH:- 1062'
SURVEYED TO :- 900'
CASING TO : 110'

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET No. 1

1	2	3	4	Mean Drift angle 5	6	7	8	9	Cosine of mean Drift Direction 10	Mean Drift Direction 11	12
Depth	Course Length	Drift Angle	Cosine of mean Drift Angle		Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction			Deflection
20	20	0 15	1·0000	0 30	200	20·0	0·1740	N35E			0·174
		0 45	0·9999								
40	20	0 30	0·0131	0 45	19·998	39·998	0·2620				0·436
		1 0	0·9999								
60	20	0 45	0·0131	0 45	19·998	59·996	0·2620				0·698
		0 45	0·9998								
80	20	0 45	0·0153	0 52½	19·996	79·992	0·3060				1·004
			0·9998								
100	20	0 45	0·0175	1 0	19·996	99·988	0·3500				1·354
		1 15									
120	20	1 0	0·9998	1 7½	19·996	36.57 119·984	0·3940	N72W ?	0·3420 ← (S70W) 0·9397	N87W ?	1·748
		1 15	0·0197					S79W			
140	20	1 0	0·9998	1 7½	19·996	139·980	0·3940	S64W 24H X		S67W	2·142
		1 15	0·0197					S70W			
160	20	1 0	0·9998	0 52½	19·996	159·976	0·3060	S45W		S45W	2·448
		0 45	0·0153					S45W			
180	20	0 45	0·9998	0 52½	19·996	179·972	0·3060	S45W		S50½W	2·754
		1 0	0·0153					S56W			
200	20	0 45	0·9998	0 52½	19·996	60.95 199·968	0·3060	N82W 278 X	0·0000 ← (W) 1·0000	S82W ~~N82W~~	3·060
		1 0	0·0153					S67W			
220	20	1 0	0·9998	1 0	19·996	219·964	0·3500	N71W		W	3·410
		1 0	0·0175					S71W			
240	20	1 0	0·9998	1 0	19·996	239·960	0·3500	N71W		N78W	3·760
		1 0	0·0175					N86W			
260	20	1 0	0·9998	1 0	19·996	259·956	0·3500	S87W		S80W	4·110
		1 0	0·0175					S73W			
280	20	1 0	0·9998	1 7½	19·996	279·952	0·3940	W		N87½W	4·504
		1 15	0·0197					N85W			
300	20	1 0	0·9998	1 7½	19·996	91.4 299·948	0·3940	250 N80W	0·3420 ← (N70W) 0·9397	N74W	4·898
		1 15	0·0197					N68W			

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

13	14			15			16
Co-ordinate Difference				Rectangular Difference			
N	S	E	W	N	S	E	W
	0·978		1·6426 *		0·19 0·5978		0·5 1·6426
			1·3120 *		0·19 0·5978		2·9546
			1·7272 *	0·0308			1·43 4·6818

DDH N° 309

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

1	2	3	4	5	6	7	8	9	10	11	
Depth	Course Length	Drift Angle	Cosine Sine of mean Drift angle Tangent	Mean Drift angle	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine of mean Drift Direction Tangent	Mean Drift Direction	Deflect.
320	20	1 15	0.9998 0.0218	1 15	19.976	319.944	0.4360	N50W	0.6088 0.7934	N52½W	5.334
		1 15						N55W			
340	20	2 0	0.9994 0.0349	2 0	19.988	339.932	0.6980	N45W	0.6884 0.7254	N46½W	6.032
		2 0						N48W			
360	20	2 0	0.9994 0.0349	2 0	19.988	359.920	0.6980	45 N50W	0.6561 0.7547	49 N ~~52½~~ W	6.730
		2 0						N53W	0.6947		
380	20	2 0	0.9993 0.0371	2 7½	19.986	379.906	0.7420	N45W	0.6947 0.7193	N46W	7.472
		2 15						N47W			
400	20	2 0	0.9994 0.0349	2 0	19.988	121.89 399.894	0.6980	313 N47W	0.6626 0.7490	N48½W	8.170
		2 0						N50W			
420	20	2 0	0.9992 0.0393	2 15	19.984	419.878	0.7860	N45W	0.7373 0.6756	NH2½W	8.956
		2 30						NHOW			
440	20	2 30	0.9990 0.0436	2 30	19.980	439.858	0.8720	N47W	0.7071 0.7071	NH5W	9.828
		2 30						NH3W			
460	20	2 30	0.9989 0.0458	2 37½	19.978	459.836	0.9160	N48W	0.6947 0.7193	NH6W	10.744
		2 45						NH4W			
480	20	3 45	0.9981 0.0610	3 30	19.962	479.798	1.2200	N55W	0.5373 0.8434	N57½W	11.964
		3 15						N60W			
500	20	4 15	0.9976 0.0698	4 0	19.952	152.3 499.750	1.3960	295 N65W	0.4226 0.4447 0.9063	N65W	13.360
		3 45						N65W			
520	20	4 45	0.9969 0.0785	4 30	19.938	519.688	1.5700	N69W	0.3827 0.9239	N67½W	14.930
		4 15						N66W			
540	20	5 0	0.9962 0.0872	5 0	19.924	539.612	1.7440	N67W	0.4067 0.9135	N66W	16.674
		5 0						N65W			
560	20	5 15	0.9958 0.0945	5 15	19.916	559.528	1.8300	N62W	0.4462 0.8948	N63½W	18.504
		5 15						N65W			
580	20	5 45	0.9950 0.1002	5 45	19.9000	579.428	2.0040	N65W	0.4540 0.8910	N63W	20.508
		5 45						N61W			
600	20	6 0	0.9945 0.1045	6 0	19.8900	182.67 599.318	2.0800	300 N60W	0.4924 0.8704	N60½W	22.598
		6 0						N61W			

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

13	14			15			16
Co-ordinate Difference				Rectangular Difference			
N	S	E	W	N	S	E	W
0.2654			0.3459	0.2962			5.0277
0.4805			0.5063	0.7767			5.5340
0.4579			0.5268	* 1.2346			6.0608
0.5155			0.5337	1.7501			6.5945
0.4625			0.5228	* .67 2.21.26			2.17 7.1173
0.5795			0.5310	2.7921			7.6483
0.6166			0.6166	3.4087			8.2649
0.6363			0.6588	4.045			8.9238
0.6555			1.0289	4.7005			9.9527
0.5899			1.2652	* 1.61 5.2904			3.47 11.2179
0.6008			1.4505	5.8912			12.6684
0.7093			1.5931	6.6005			14.2615
0.8165			1.6377	7.4170			15.8992
0.9098			1.7856	8.3268			17.6848
1.0291			1.8191	* 9.28 9.3559			509 19.5038

D.D.H. N° 309.

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

1	2	3	4	5	6	7	8	9	10	11	12
Depth	Course Length	Drift Angle	Cosine Sine of Mean Drift angle	Mean Drift angle Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine of Mean Drift Direction	Mean Drift Direction Tangent	Deflection
620	20	6° 0′	0·9945 0·1045	6° 0′	19·8900	619·208	2·0900	N60W	0·5000 0·8660	N 60 W	24·688
		6 0						N60W			
640	20	6 15	0·9943 0·1077	6 7½	19·8800	639·094	2·1540	N60W	0·4924 0·8704	N 60 ½W	26·842
		6 0						N61W			
660	20	6 15	0·9938 0·1110	6 22½	19·8760	658·970	2·2200	N58W	0·5373 0·8434	N 57 ½W	29·062
		6 30						N56W			
680	20	6 45	0·9928 0·1197	6 52½	19·8560	678·826	2·3940	N57W	0·5373 0·8434	N 57 ½W	31·456
		7 0						N58W			
700	20	7 0	0·9922 0·12440	7 7½	19·844	212·95 698·670	2·4800	N56W	0·5519 0·8339	30° S° N56 ½W	33·936
		7 15						N57W			
720	20	7 45	0·9906 0·1370	7 52½	19·812	718·482	2·7400	N55W	0·5519 0·8339	N 56 ½W	36·676
		8 0						N58W			
740	20	8 0	0·9897 0·1435	8 15	19·794	738·276	2·8700	N56W	0·5446 0·8387	N 57 W	39·546
		8 30						N58W			
760	20	9 0	0·9877 0·1564	9 0	19·754	758·030	3·128	N57W	0·5225 0·8526	N 58 ½W	42·674
		9 0						N60W			
780	20	9 30	0·9863 0·1650	9 30	19·726	777·756	3·300	N60W	0·4695 0·8829	N 62 W	45·974
		9 30						N64W			
800	20	9 45	0·9856 0·1693	9 45	19·712	243·07 797·468	3·386	N65W	0·4226 0·9063	29S N 65 W	49·360
		9 45						N65W			
820	20	9 45	0·9856 0·1693	9 45	19·712	817·180	3·386	N64W	0·4305 0·9026	N 64 ½W	52·746
		9 45						N65W			
840	20	9 45	0·9846 0·1628	9 22½	19·732	836·912	3·256	N65W	0·4462 0·8949	N 63 ½W	56·002
		9 0						N62W			
860	20	9 30	0·9846 0·1628	9 22½	19·732	856·644	3·256	N65W	0·4617 0·8870	N 62 ½W	59·258
		9 15						N60W			
880	20	9 15	0·9873 0·1586	9 7½	19·746	876·390	3·172	N65W	0·4384 0·8988	N 64 W	62·430
		9 0						N63W			
900	20	9 0	0·9877 0·1564	9 0	19·754	273·114 896·144	3·128	N65W	0·4226 0·9063	29S N 65 W	65·558
		9 0						N65W			

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

13	14			15			16
Co-ordinate Difference				Rectangular Difference			
N	S	E	W	N	S	E	W
1·0450			1·8099	10·4009			21·3138
1·0606			1·8748	11·4615			23·1886
1·1928			1·8723	12·6543			25·0609
1·2863			2·0191	13·9406			27·0800
1·3687			2·0681	* 4·67 15·3093			8·99 29·1481
1·5122			2·2849	16·8215			31·4330
1·5630			2·4071	18·3845			33·8401
1·6344			2·6669	20·0189			36·5070
1·5493			2·9136	21·5682			39·4206
1·4309			3·0687	* 7·0 22·9991			12·95 42·4893
1·4577			3·0562	24·4568			45·5455
1·4528			2·9138	25·9046			48·4593
1·5033			2·8881	27·4129			51·3474
1·3806			2·8510	28·8035			54·1984
1·3219			2·8349	* 9·18 30·1254			17·38 57·0333

DIAMOND DRILL HOLE BOREHOLE SURVEY

EASTMAN - KODAK MULTISHOT CAMERA

D.D.H. No. 309 Date Surveyed 15/7/70

Total Depth 1062 Depth Surveyed To 900'

Casing Depth 110' Surveyed By V. M. FREESTONE

Shot No.	Time	Depth	Defl.	Direct.	Shot No.	Time	Depth	Defl.	Direct
	0	OPEN				22	240	1 0	N71W
	1	"				23	260	1 0	S87W
	2	OPEN				24	280	1 0	W
	3	CLOSED				25	300	1 0	N81W
	4	"				26	300	1 0	N76W
	5	"				27	320	1 15	N51W
	6	"				28	340	2 0	N45W
	7	"				29	360	2 0	N50W
	8	10'				30	380	2 0	N45W
	9	20	0 15 (Perhaps moving)	N35E		31	400	2 0	N47W
	10	40	0 30			32	400	2 0	N47W
	11	60	0 45			33	420	2 0	N45W
	12	80	0 45			34	440	2 30	N47W
	13	100	0 45	N16W		35	460	2 30	N48W
	14	100	0 45	N16W		36	480	2 45	N55W
✓	15	120	1 0	N72W	✓	37	500	4 15	N65W
	16	140	1 0	S64W		38	500	4 15	N65W
	17	160	1 0	S45W		39	520	4 45	N69W
	18	180	0 45	S45W		40	540	5 0	N67W
	19	200	0 45	N85W		41	560	5 15	N62W
	20	200	0 45	N80W		42	580	5 45	N65W
	21	220	1 0	N71W		43	600	6 0	N60W

REMARKS:- Last 6 FT. OF Core not retrieved

(This core to 1056' only)

DIAMOND DRILL HOLE BOREHOLE SURVEY

EASTMAN - KODAK MULTISHOT CAMERA

D.D.H. No. 309 Date Surveyed 15/7/70

Total Depth 1062' Depth Surveyed To 900'

Casing Depth 110' Surveyed By V.M. FREESTONE

Shot No.	Time	Depth	Defl.	Direct.	Shot No.	Time	Depth	Defl.	Direct
	44	600	6 0	N60W		66	820	9 45	N65W
	45	620	6 0	N60W		67	800	9 45	N65W
	46	640	6 15	N60W		68	780	9 30	N64W
	47	660	6 15	N59W		69	760	9 0	N60W
	48	680	6 45	N57W		70	740	8 30	N58W
	49	700	7 0	N56W		71	720	8 0	N58W
	50	700	7 0	N56W		72	700	7 15	N57W
	51	720	7 45	N55W		73	680	7 0	N58W
	52	740	8 0	N56W		74	660	6 30	N56W
	53	760	9 0	N57W		75	640	6 0	N61W
	54	780	9 30	N60W		76	620	6 0	N60W
	55	800	9 45	N65W		77	600	6 0	N61W
	56	800	9 45	N64W		78	580	5 45	N61W
	57	820	9 45	N64W		79	560	5 15	N65W
	58	840	9 45 30	N65W		80	540	5 0	N65W
	59	860	9 30	N65W		81	520	4 15	N66W
	60	880	9 15	N65W		82	500	3 45	N65W
	61	900	9 0	N65W		83	480	3 15	N60W
	62	900	9 0	N65W		84	460	2 45	N44W
	63	880	9 0	N63W		85	440	2 30	N43W
	64	860	9 15	N60W		86	420	2 30	N40W
	65	840	9 0	N62W		87	400	2 0	N50W

REMARKS:-

DIAMOND DRILL HOLE BOREHOLE SURVEY

EASTMAN - KODAK MULTISHOT CAMERA

D.D.H. No. 309 Date Surveyed 15/7/20

Total Depth _____ Depth Surveyed To 900'

Casing Depth _____ Surveyed By V. M. FREESTONE

Shot No.	Time	Depth	Defl.	Direct.	Shot No.	Time	Depth	Defl.	Direct
	88	380	2 15	N47W		110	closed		
*	89	360 moving	2 0	N53W		111	"		
	90	340	2 0	N48W		112	OPEN		
	91	320	1 15	N54W					
	92	300	1 15	N66W					
	93	280	1 15	N85W					
	94	260	1 0	S73W					
	95	240	1 0	N86W					
	96	220	1 0	S71W					
	97	200	1 0	S67W					
	98	180	1 0	S56W					
	99	160	0 45	S45W					
	100	140	1 15	S70W					
✓	101	120	1 15	S79W					
	102	100	1 15	S12E					
	103	80	—						
	104	60	0 45						
	105	40	1 0						
	106	20	0 45						
	107	10							
	108	closed							
	109	"							

REMARKS:-

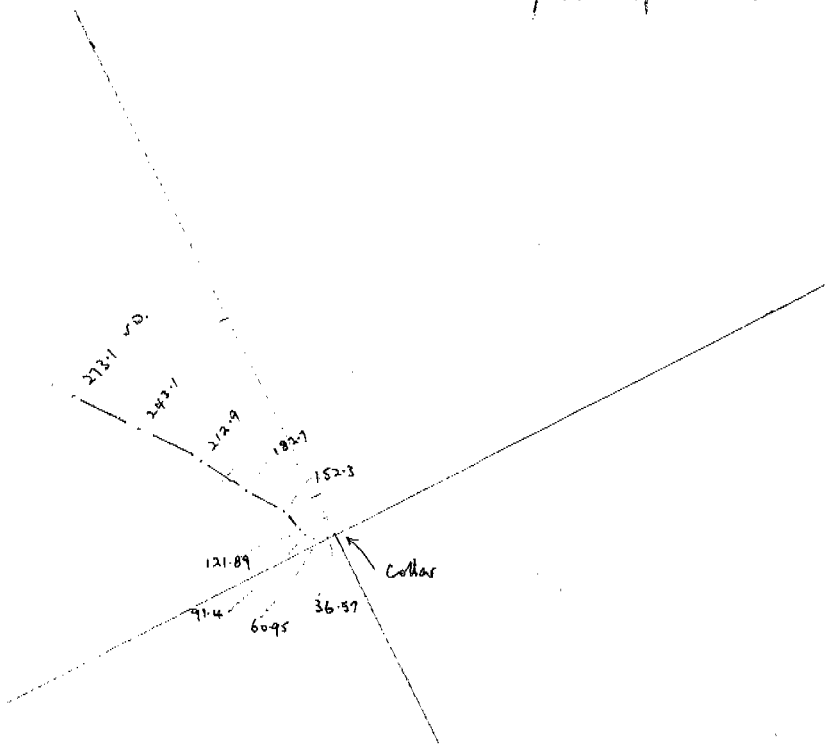
DDH 309

Scale 1:500

Plan View

total depth : 1062' 323.7m

Surveyed to : 900' 274.32 m



DIAMOND DRILL HOLE NO. 308

LOCATION:	No. 3 Orebody.
CO-ORDINATES:	109,399.59N:100,599.91E
R.L.:	377.5 Feet 115.0 + 3.3 118-3 Tallarook
DATE COMMENCED:	22nd August, 1970.
DATE COMPLETED:	19th October, 1970.
FINAL DEPTH:	930 Feet 283.5
DATE SURVEYED:	-
LOGGED BY:	P. Le Messurier

355.5

FROM	TO	FEET	CORE LOSS	SAMPLE NUMBERS	GEOLOGIC CODE	PETROLOGICAL DESCRIPTION	REMARKS
0	22	22	0		No Core	No Core, Surface soil, sand and clay with highly weathered rock rubble.	
22	67	45	44		A META VOLCANICS 22 - 238 67 72.5	A META VOLCANICS, fine grained green grey very chloritic numerous irregular fibrous chlorite blebs, zones of lighter and pallid mottled rock give fragmental appearance on weathering.	
67	72	5	5			A META VOLCANICS, fragmental, brecciated and altered zone, very clayey in part, abundant chlorite.	
72	126	54	51			A META VOLCANICS, fine green chloritic abundant chlorite blebs to 1 cm. Generally uniform in grainsize and texture throughout.	
126	164	38	36			A META VOLCANICS, fine grey green chloritic generally fragmental in appearance and showing some variable alteration and bleaching, fractured and sheared 127' to 129' and generally more strongly jointed and fractured than unit above.	
164	182	18	18			A META VOLCANICS, fine grained abundantly spotted with chlorite tremolite blebs generally 2 mm diameter and smaller than previously.	
182	238	56	45			A META VOLCANICS, fine grained green grey chloritic mottled bleached and fragmental appearance, irregularly altered. Altering particularly widespread 208' to 216' numerous clayey fractures. 229' to 238' completedy proken and altered, possibly some form of basal alteration.	
238	269	31	20		BIOTITE HORNFELS 238 - 269 82.0	BIOTITE HORNFELS, fine grained siliceous well banded biotite rich rock, biotite banding variable in content and distribution but breaks down to irregular veinlets and disseminations in basal 4 feet.	
269	286	17	16		GREENSCHIST 269 - 286 87.2	GREENSCHIST, a soft schistose rock of chlorite tremolite muscovite with minor quartz and calcite - variable banded texture with some local autobrecciation.	Strongly sheared & fractured throuthout
286	3100	24	24		BI TE HORNFELS 28 310 94.5	BIOTITE HORNFELS, fine grained generally massive with biotite disseminated throughout rather than	

SAMPLE No.	FROM	TO	WIDTH	CORE LENGTH	WO_3	Mo		DETAILED DESCRIPTION
								bands - biotite percentage very variable.
	310	311	1	1				GREENSCHIST, schistose bremolite chlorite rock as above.
	311	492	181	178			QUARTZITE 311 - 492 948 156.0	QUARTZITE, a fine grey siliceous rock some minor disseminated biotite well developed, spotted and clotted appearance in bands throughout. Irregular pink aplite veins and bands to 2'. Variably throughout. 351' to 353' and 355' to 356' bands of tremolite greenschist. Spotting very well developed from 380' to 425'.
	492	529	37	36			BIOTITE/PYROXENE HORNFELS 492 - 529 161.2	BIOTITE PYROXENE HORNFELS, fine grained in part, medium grained granular, some white flecking of feldspar. Rock shows affinities with B Meta - Volcanics but without well developed mineralogy and texture general texture massive but fairly variable and banding common.
	529	545	26	26			BIOTITE HORNFELS 529 - 545 166.1	BIOTITE HORNFELS, fine grained thin bedded and well banded in a fine siliceous matrix, some minor spotting and irregular aggregations.
	545	557	12	12			BANDED HORNFELS 545 - 557 169.8	BANDED HORNFELS, thinly bedded and interbanded fine grained biotite, pyroxene and garnet hornfels with some very minor calcite hornfels.
	557	578	21	21			GRANITE 169.8 — 176.2	GRANITE, variable grainsize and mineralogy from very fine aplite to coarse porphyritic granite, some sections very rich in biotite and others virtually without mafic minerals.
A4025	578 176.2	579.5	1.5	1.5	0.1	0.023	B LENS 5' at 1.59% WO_3	PYROXENE HORNFELS, medium to coarse grained becoming pyroxene/garnet skarn in part. Some biotite and calcite rich zones with only minor alteration disseminated scheelite variably throughout.
A4026	579.5 176.6	580.5	1	1	0.51	0.02		
A4027	580.5 176.9	582	1.5	1.5	0.36	0.02		
A4028	582 177.4	583	1	1	4.5	0.09		
A4029	583 177.7	584.5 178.1	1.5	1.5	1.6	0.038		
A4030	584.5	586 178.6	1.5	1.5	0.08	0.013		
A4031	586	588	2	2	0.09	0.042	LIMESTONE 586 - 679 178.6 207.0	LIMESTONE, recrystallised to medium grain in part but generally fine grained, very minor alteration restricted to upper few feet and a few inches adjacent to major joints. From 654' unit has more mottled appearance with fairly abundant dark silty rims & bloths and white calcite veins!
	588	679	91	91				

SAMPLE NO.	FT.				WO_3	Mo	GEOLOGICAL DESCRIPTION	
	679	686	7	7			BIOTITE PYROXENE HORNFELS 679 - 686 2070 2091	BIOTITE HORNFELS & PYROXENE HORNFELS, interbedded and intermixed in very irregular units.
	686	687.5	1.5	1.5				APLITE, medium grained quartz rich, high in iron oxides.
	687.5	761	83.5	82			BIOTITE HORNFELS 209.5 – 231.9	BIOTITE HORNFELS, grading in part to biotite/pyroxene hornfels, a fine grained essentially siliceous hornfels with abundant fine biotite with irregular and variable patches and interbeds of pyroxene rich hornfels. Pyroxene rich zones often associated with joints and fine fractures which show marginal alteration.
	761	780 2377	19	19				BIOTITE/PYROXENE HORNFELS, with both rock types intimately intermixed in irregular swirls and variable bands, some irregular carbonate pads with pyroxene margins and alteration.
	780	783 238.6	3	3				GRANITE, medium to coarse grained siliceous and aplitic on margin, included band of hornfels 681.5 to 682.5'.
	783	792 241.4	9	9			PYROXENE GARNET HORNFELS 783 - 792	PYROXENE GARNET HORNFELS, fine light green pyroxene rich hornfels with irregular calcite pads to 3 or 4" altered to pyroxene and garnet on margins and in some cases entirely replaced.
A4032	792 241.4	794	2	2	0.15	0.022	PYROXENE GARNET SKARN - C LENS 8' at 1.04% WO_3	PYROXENE/GARNET SKARN, with some zones of virtually unaltered limestone and also areas of well developed pyroxene garnet hornfels. A very confined and mixed unit with the various minerals in extremely variable percentages. Disseminated scheelite varying from sparse to abundant in different parts of unit.
A4033	794 242.0	796	2	2	0.86	0.018		
A4034	796 242.6	798	2	2	0.17	0.017		
A4035	798 243.2	800	2	2	0.64	0.023		
A4036	800 243.8	802 244.4	2	2	2.50	0.046		
A4037	802 244.8	804	2	2	0.11	0.016		
A4038	804 245.0	806	1	2	0.18	0.021		
A4039	806 245.7	808	2	2	0.04	0.014		
A4040	808 246.3	810 246.9	2	2	0.03	0.012		
	810 246.9	822 250.5 250.5	12	12			GRANITE	GRANITE, medium to coarse grained - porphyritic in part.
	822	827 252.1	5	5			QUARTZITE	QUARTZITE/HORNFELS, fine grained siliceous rock minor biotite and muscovite.

				WO_3 Mo		TYPICAL DESCRIPTION
827	842	15	14		GRANITE 827 - 930' 2520 2835	GRANITE, medium to coarse grained variable texture strong haematite staining in part oblique clayey joints, some with secondary minerals.
842	908	66	66			GRANITE, medium and coarse grained, porphyritic orthoclase in typical granitic mesaic of quartz and plagioclase, biotite.
908	928	20	20			GRANITE, variable grainsize and mineralogy. Strongly altered with haematite, epidote and chlorite common, fine grained aplitic bands and leached pitted zones.
928	930	2	2			GRANITE, medium to coarse grained porphyritic normal mineralogy.
						END OF HOLE - 930 FEET

DIAMOND DRILL HOLE SUMMARY

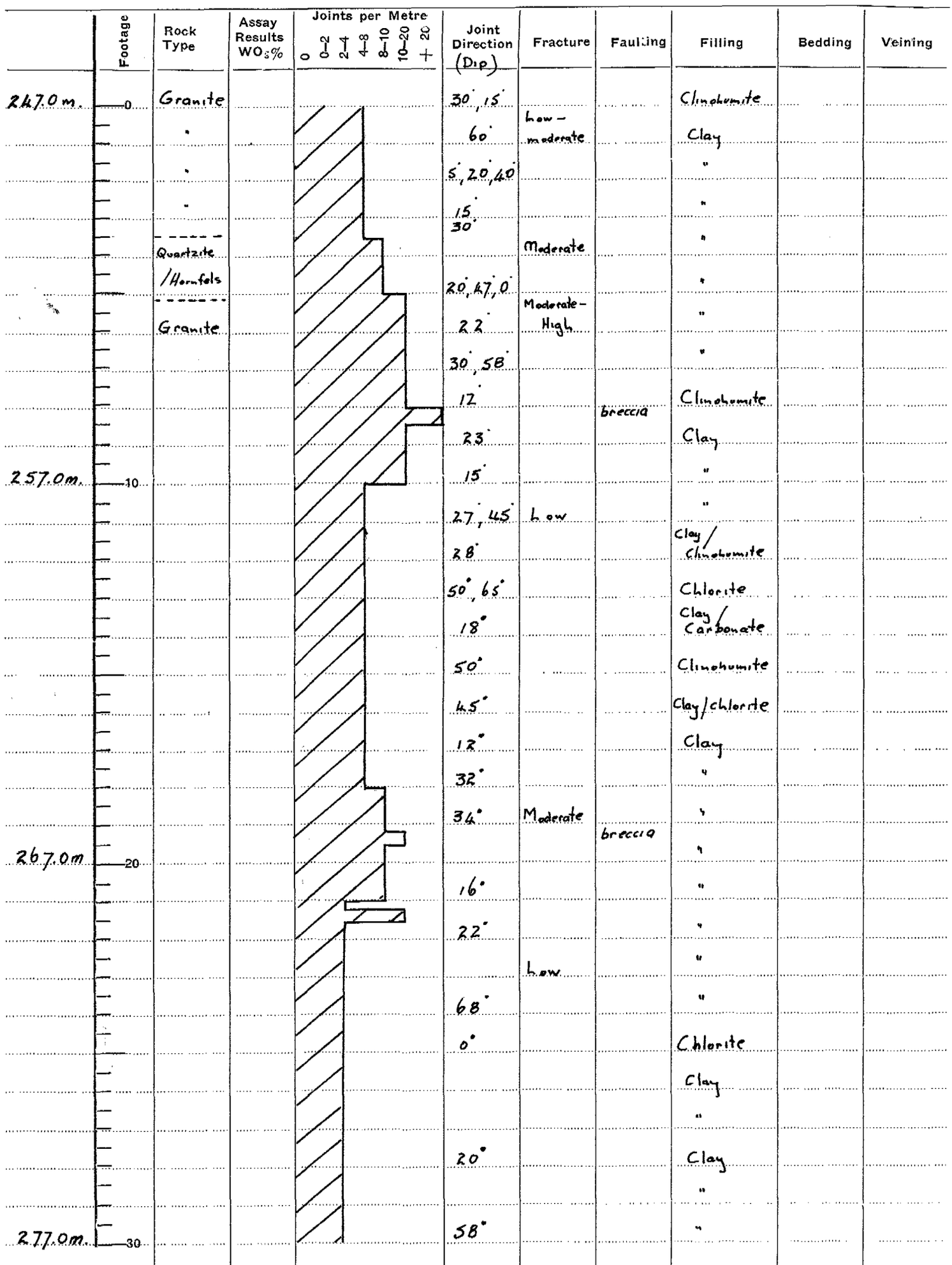
D.D.H. 308 FINAL DEPTH 283.5 m.

CO-ORDINATES N 109399.59 E 100599.91 RELATIVE LEVEL 115.06 m.

DATE COMMENCED 22/8/70 DATE COMPLETED 19/10/70

DATE SURVEYED

LOCALITY: No 3 OREBODY



DIAMOND DRILL HOLE SUMMARY

D.D.H. 308 FINAL DEPTH 285.5m.

CO-ORDINATES N 109399.59 E 100599.91 RELATIVE LEVEL 115.06m.

DATE COMMENCED 22/8/70 DATE COMPLETED 19/10/70

DATE SURVEYED

LOCALITY: No 3 OREBODY

Footage	Rock Type	Assay Results WO₃%	Joints per Metre 0 / 0–2 / 2–4 / 4–8 / 8–10 / 10–20 / + 20	Joint Direction (Dip)	Fracture	Faulting	Filling	Bedding	Veining
277.0m. 0	Granite				Low				
				12°			Chlorite		
	E.O.H.								
10									
20									
30									

DIAMOND DRILL HOLE BOREHOLE SURVEY

EASTMAN - KODAK MULTISHOT CAMERA

D.D.H. No. 308 Date Surveyed 4/10/70

Total Depth 930 Depth Surveyed To 920

Casing Depth 25 Surveyed By V.M. FREESTONE

Shot No.	Time	Depth	Defl.	Direct.	Shot No.	Time	Depth	Defl.	Direct
	0	OPEN				22	60		
	1	OPEN				↓			
	2	OPEN				40	60		
	3	CLOSED				41	80	1 0	N25E
	4	"				42	100	(Moving)	N20E
	5	"				43	100	(Moving)	
	6	"				44	120	1 15	N20E 020
	7	"				45	130	1 15	N30E
	8	20	1 45			46	140	1 0	N30E
	9	40	(Poss. Moving)			47	150	(Moving)	N
	10	40	1 30	N47E		48	160	1 0	N20E
	11	60	1 15	N50E		49	180	(Moving)	
	12	60		"		50	180	1 0	
	13	"				51	190	(Moving)	
	14	"				52	200	1 0	N 000
	15	"				53	210	(Moving)	
	16	"				54	220	0 45	N20E
	17	"				55	240	(Moving)	
	18	"				56	240	0 45	N5E
	19	"				57	250	(Moving)	
	20	"				58	260	0 45	N30W
	21	"				59	270	(Moving)	

REMARKS:-

DIAMOND DRILL HOLE BOREHOLE SURVEY

EASTMAN - KODAK MULTISHOT CAMERA

D.D.H. No. 308 Date Surveyed 11/10/70

Total Depth 930 Depth Surveyed To 920

Casing Depth 25 Surveyed By V. M. FREESTONE

Shot No.	Time	Depth	Defl.	Direct.		Shot No.	Time	Depth	Defl.	Direct	
	60	280	1 0	N30W			82	550	—	—	
	61	290	1 0				83	560	4 15	N36W	
	62	300					84	570	4 0	S85W	
	63	320	1 45	S85W	265		85	580	4 0	S 85W	
	64	330	2 0	~~N~~			86	600	4 45	S 86W	286
	65	340	2 0	W			87	610	-	-	
	66	360	2 0	S85W			88	620	4 45	N89W	
	67	380	2 30	W			89	640	4 45	W	
	68	390	~~2 45~~	~~N 88W~~			90	650	5 0	W	
	69	400	2 45 ~~2 0~~	N88W ~~N 88W~~	277		91	660	5 0	W	
	70	420	3 0	N 88W			92	680	5 15	W	
	71	430	—	—			93	690	5 15	N85W	
	72	440	3 30	S87W			94	700	5 15	N85W	296
	73	450	—	—			95	710	5 45	N85W	
	74	460	3 30	S 84W			96	720	5 45	N85W	
	75	470	3 45	S 80W			97	740	7 15	N80W	
	76	480	3 45	S 78W			98	750	7 15	N75W	
	77	500	3 45	S 78W	258		99	760	7 15	N75W	
	78	510	4 30	S 83W			100	780	7 15	N75W	
	79	520	4 30	S 85W			101	790	7 30	N75W	
	80	530	4 30	W			102	800	7 30	N75W	285
	81	540	4 30	W			103	820	8 15	N75W	

REMARKS:-

DIAMOND DRILL HOLE BOREHOLE SURVEY

EASTMAN - KODAK MULTISHOT CAMERA

D.D.H. No. 308 Date Surveyed 4/10/70

Total Depth 930 Depth Surveyed To 920

Casing Depth 25 Surveyed By V. M. FREESTONE.

Shot No.	Time	Depth	Defl.	Direct.	Shot No.	Time	Depth	Defl.	Direct
	104	830	8 15	N75W		126	910	8 15	N76W
	105	840	8 15	N75W		127	900	8 15	N76W
	106	850	8 15	N75W		128	880	8 0	N75W
	107	860	8 15	N75W		129	860	8 0	N75W
	108	870	8 15	N77W		130	840	8 0	N73W
	109	880	8 15	N77W		131	820	8 0	N73W
	110	890	8 15	N77W		132	800	7 30	N71W
	111	900	8 15	N76W 284		133	780	7 15	N72W
	112	920	8 30	N75W 295		134	760	7 15	N77W
	113	920	~~8~~	~~N76W~~		135	740	7 0	N78W
	114	"				136	720	~~5~~ 45	N80W
	115	"				137	700	5 15	N80W
	116	"				138	680	5 15	N87W
	117	"				139	660	5 0	S87W
	118	"				140	640	5 0	S88W
	119	"				141	620		
	120	"				142	600	4 45	W
	121	"				143	580	4 30	W
	122	"				144	560	5 0	S88W
	123	"				145	540	4 30	S86W
	124	"				146	520	4 15	S83W
	125	"				147	500	4 0	S79W

REMARKS:-

DIAMOND DRILL HOLE BOREHOLE SURVEY

EASTMAN - KODAK MULTISHOT CAMERA

D.D.H. No. 308 Date Surveyed 14/10/70

Total Depth 930 Depth Surveyed To 920

Casing Depth 25 Surveyed By V.M. FREESTONE.

Shot No.	Time	Depth	Defl.	Direct.	Shot No.	Time	Depth	Defl.	Direct	
	148	480	3 45	S 78W		170	60			
	149	460	3 30	S 85W		171	40			
	150	440	3 30	S 86W		172	20			
	151	420	3 0	S 89W		173	CLOSED			
	152	400	2 30	N85W		174	"			
	153	380	2 30	W		175	"			
	154	360	2 15	S 88W		176	"			
	155	360	2 15	W		177	"			
	156	340		W		178	OPEN			
	157	320	1 45	S 85W		179	"			
	158	300	1 0							
	159	280								
	160	260								
	161	240								
	162	220								
	163	200								
	164	180								
	165	160								
	166	140								
	167	120								
	168	100								
	169	80								

REMARKS:-

DIAMOND DRILL HOLE SURVEY

EASTMAN - KODAK MULTISHOT CAMERA

D.D.H. No. 308 Date Surveyed 14/10/70

Total Depth 930 Depth Surveyed To 920

Casing Depth 25' Surveyed By V. M. FREESTONE

Depth	Drift Angle	Mean Drift Angle	Cos Sine	Vert. Depth	True Vert. Depth	Defl.	Drift Direc.	Mean Drift Direc.	Cos Sine	Co-Ords. N/S	Co-Ords. E/W	Sum of Co-Ords. N/S	Sum of Co-Ords. E/W
20	1 45	1 45	0·9995 / 0·0305	19·990	19·990	0·610		N45E	0·7071 / 0·7071	N 0·4313	E 0·4313	N 0·4313	E 0·4313
40	1 30	1 30	0·9997 / 0·0262	19·994	39·984	0·524	N47E	N45E	0·7071 / 0·7071	0·3705	0·3705	0·8018	0·8018
60	1 15	1 15	0·9998 / 0·0218	19·996	59·980	0·436	N50E	N45E	0·7071 / 0·7071	0·3083	0·3083	1·1101	1·1101
80	1 0	1 0	0·9998 / 0·0175	19·996	79·976	0·350	N25E	N30E	0·8660 / 0·5000	0·3031	0·1750	1·4132	1·2851
100		1 15	0·9998 / 0·0218	19·996	30·47 99·972	0·436		N25E	0·9063 / 0·4226	0·3951	0·1842	·55 1·8083	·45 1·4693
120	1 15	1 15	0·9998 / 0·0218	19·996	119·968	0·436	N20E	N25E	0·9063 / 0·4226	0·3951	0·1842	2·2034	1·6535
140	1 0	1 0	0·9998 / 0·0175	19·996	139·964	0·350	N30E	N20E	0·9397 / 0·3420	0·3289	0·1197	2·5323	1·7732
160	1 0	1 0	0·9998 / 0·0175	19·996	159·960	0·350	N20E	N20E	0·9397 / 0·3420	0·3289	0·1197	2·8612	1·8929
180	1 0	1 0	0·9998 / 0·0175	19·996	179·956	0·350		N20E	0·9397 / 0·3420	0·3289	0·1197	3·1901	2·0126
200	1 0	1 0	0·9998 / 0·0175	19·996	60·04 199·952	0·350		N20E	0·9397 / 0·3420	0·3289	0·1197	1·07 3·5190	·65 2·1323
220	0 45	0 45	0·9999 / 0·0131	19·998	219·950	0·262	N20E	N10E	0·9848 / 0·1736	0·2580	0·0455	3·7770	2·1778
240	0 45	0 45	0·9999 / 0·0131	19·998	239·948	0·262	N5E	N5E	0·9962 / 0·0872	0·2610	0·0228	4·0380	2·2006
260	0 45	0 45	0·9999 / 0·0131	19·998	259·946	0·262	N30W	N30W	0·8660 / 0·5000	N 0·2269	W 0·1310	4·2649	2·0696
280	1 0	1 0	0·9998 / 0·0175	19·996	279·942	0·350	N30W	N30W	0·8660 / 0·5000	0·3031	0·1750	4·5680	1·8946
3													

DIAMOND DRILL HOLE SURVEY

EASTMAN - KODAK MULTISHOT CAMERA

D.D.H. No. 308 Date Surveyed 14/10/70

Total Depth 930 Depth Surveyed To 920

Casing Depth 25 Surveyed By K.M. FREESTONE.

Depth	Drift Angle	Mean Drift Angle	Cos Sine	Vert. Depth	True Vert. Depth	Defl.	Drift Direc.	Mean Drift Direc.	Cos Sine	Co-Ords. N/S	Co-Ords. E/W	Sum of Co-Ords. N/S	Sum of Co-Ords. E/W
300	1 0	1 0	0.9998 / 0.0175	19.996	299.938	0.350		N60W	0.5000 / 0.8660	N 0.0175	W 0.3031	N 1.4443 / 4.7430	E 0.48 / 1.5915
					91.4								
320	1 45	1 45	0.9995 / 0.0305	19.990	319.929	0.610	S 85W	S85W	0.0872 / 0.9962	S 0.0532	0.6077	4.6898	0.9838
	1 45						S 85W						
340	2 0	2 0	0.9994 / 0.0349	19.988	339.916	0.698	W	W	0.0000 / 1.0000	—	0.698	4.6898	0.2858
							W						
360	2 0	2 7½	0.9993 / 0.0371	19.986	359.902	0.742	S 85W	S 86½W	0.0610 / 0.9981	0.0453	0.7406	4.6443 / 4.6854	W 0.4548
	2 15						S 88W						
380	2 30	2 30	0.9990 / 0.0436	19.980	379.882	0.872	W	W	0.000 / 1.000	—	0.872	4.6445 / 4.7351	1.3268
	2 30						W						
400	2 45	2 37½	0.9989 / 0.0458	19.978	121.88 / 399.860	0.916	N88W	N 86½W	0.0610 / 0.9981	N 0.0559	0.9142	1.43 / 4.7004	.64 / 2.2410
	2 30						N 85W						
420	3 0	3 0	0.9986 / 0.0523	19.972	419.832	1.046	N88W	N89½W	0.0087 / 1.0000	0.0091	1.0460	4.7095	3.3287
	3 0						S 89W						
440	3 30	3 30	0.9981 / 0.0610	19.962	439.794	1.220	S87W	S86½W	0.0610 / 0.9981	S 0.0744 / 0.4442	W 1.2177	4.6351	4.5047
	3 30						S 86W						
460	3 30	3 30	0.9981 / 0.0610	19.962	459.756	1.220	S84W	S84½W	0.0958 / 0.9954	0.1169 / 1.4689	1.2144	4.5182	5.7191
	3 30						S 85W						
48	3 45	3 45	0.9979 / 0.0654	19.958	479.714	1.308	S78W	S78W	0.2079 / 0.9781	0.2719	1.2793	4.2463	6.9984
	3 45						S 78W						
500	3 45	3 52½	0.9977 / 0.0676	19.954	152.3 / 499.668	1.352	S 78W	S78½W	0.1994 / 0.9799	0.2696	1.3248	1.21 / 3.9767	2.53 / 8.3232
	4 0						S 79W						
520	4 30	4 22½	0.9971 / 0.0763	19.942	519.610	1.526	S 85W	S 84W	0.1045 / 0.9945	0.1595	1.5176	3.8172	9.8408
	4 15						S 83W						
540	4 30	4 30	0.9969 / 0.0785	19.938	539.548	1.570	W	S 88W	0.0349 / 0.9994	0.0548	1.5690	3.7624	11.4098
	4 30						S 86W						
56	4 15	4 37½	0.9967 / 0.0807	19.934	559.482	1.614	N 86W	N 89W	0.0175 / 0.9998	0.0282	1.6137	3.7341	13.0235
	5 0						S 92W						

DIAMOND DRILL HOLE SURVEY

EASTMAN - KODAK MULTISHOT CAMERA

D.D.H. No. 308 Date Surveyed 14/10/70

Total Depth 930 Depth Surveyed To 920

Casing Depth 25 Surveyed By V.M. FREESTONE

Depth	Drift Angle	Mean Drift Angle	Cos Sine	Vert. Depth	True Vert. Depth	Defl.	Drift Direc.	Mean Drift Direc.	Cos Sine	Co-Ords. N/S	Co-Ords. E/W	Sum of Co-Ords. N/S	Sum of Co-Ords. E/W
580	4 0	4 15	0.9973 / 0.0741	19.946	579.428	1.482	S 85 W	S 87½ W	0.0436 / 0.9990	S 0.0646	W 1.4805	N 3.6686	W 14.5040
	4 30						W						
600	4 45	4 45	0.9966 / 0.0829	19.932	182.68 / 599.360	1.656	S 86 W	S 88 W	0.0349 / 0.9994	0.0578	1.6550	1.10 / 3.6118	4.92 / 16.1590
	4 45						W						
620	4 45	4 45	0.9966 / 0.0828	19.932	619.292	1656	N 89 W	N 89½ W	0.0175 / 0.9998	N 0.0280	W 1.6557	3.6408	17.8147
640	4 45	4 52½	0.9964 / 0.0850	19.928	639.220	1.700	W	S 89 W	0.0175 / 0.9998	S 0.0297	W 1.6997	3.6111	19.5144
	5 0						S 88 W						
660	5 0	5 0	0.9962 / 0.0870	19.924	659.144	1.744	W	S 88½ W	0.0262 / 0.9997	0.0457	1.7435	3.5654	21.2579
	5 0						S 87 W						
680	5 15	5 15	0.9958 / 0.0915	19.916	679.060	1.830	W	N 88½ W	0.0262 / 0.9997	N 0.0479	W 1.8294	3.6133	23.0873
	5 15						N 87 W						
700	5 15	5 15	0.9958 / 0.0915	19.916	213.05 / 698.976	1.830	N 85 W	N 82½ W	0.1305 / 0.9914	0.2388	1.8143	1.17 / 3.8521	7.6 / 24.9016
	5 15						N 80 W						
720	5 45	5 45	0.9950 / 0.1002	19.900	718.876	2.004	N 85 W	N 82½ W	0.1305 / 0.9914	0.2615	1.9868	4.1136	26.8884
	5 45						N 80 W						
740	7 15	7 7½	0.9922 / 0.1240	19.844	738.720	2.480	N 80 W	N 77 W	0.1908 / 0.9816	0.4732	2.4344	4.5868	29.3228
	7 0						N 78 W						
760	7 15	7 15	0.9920 / 0.1262	19.840	758.560	2.524	N 75 W	N 76 W	0.2419 / 0.9703	0.6105	2.4490	5.1973	31.7718
	7 15						N 77 W						
780	7 15	7 15	0.9920 / 0.1267	19.840	778.400	2.524	N 75 W	N 73½ W	0.2948 / 0.9558	0.7168	2.4200	5.9141	34.1918
	7 15						N 72 W						
800	7 30	7 30	0.9914 / 0.1305	19.828	245.3 / 798.228	2.610	N 75 W	N 73 W	0.2924 / 0.9563	0.7632	2.4959	2.04 / 6.6773	11.18 / 36.6827
	7 30						N 71 W						
820	8 15	8 7½	0.9900 / 0.1413	19.800	818.028	2.826	N 75 W	N 74 W	0.2756 / 0.9613	0.7788	2.7166	7.4561	39.4043
	8 0						N 73 W						
840	8 15	8 7½	0.9900 / 0.1413	19.800	837.828	2.826	N 75 W	N 74 W	0.2756 / 0.9613	0.7788	2.7166	8.2349	42.1209
	8 0						N 73 W						

DIAMOND DRILL HOLE SURVEY

EASTMAN - KODAK MULTISHOT CAMERA

D.D.H. No. 308 Date Surveyed 14/10/70

Total Depth 930 Depth Surveyed To 920

Casing Depth 25 Surveyed By V. M. FREESTONE

Depth	Drift Angle	Mean Drift Angle	Cos Sine	Vert. Depth	True Vert. Depth	Defl.	Drift Direc.	Mean Drift Direc.	Cos Sine	Co-Ords. N/S	Co-Ords. E/W	Sum of Co-Ords. N/S	Sum of Co-Ords. E/W
8[illegible]	8 15	8 7½	0·9900 0·1413	19·800	857·628	2·826	N75W	N75W	0·2588 0·9659	N 0·7314	W 2·7296	N 8·963	W 44·8505
	8 0						N75W						
880	8 15	8 7½	0·9900 0·1413	19·800	877·428	2·826	N77W	N76W	0·2419 0·9703	0·6836	2·7421	9·6489	47·5926
	8 0						N75W						
9[illegible]	8 15	8 15	0·9887 0·1488	19·774	897·722	2·870 3·844	N76W	N76W	0·2419 0·9703	0·6942	2·7848	10·314	50·3774
	8 15						N76W						
920	8 30	8 30	0·9870 0·1478	19·780	279·5 917·002	2·956	N75W	N75W	0·2588 0·9659	0·7650	2·8552	3·4 11·1091	16·2 53·2326

DH.-308

N E N S

100

200

300

400

500

600

700

800

900

DDH.-308
DATE SURVEYED.- 14/10/70
TOTAL DEPTH - 930'
DEPTH SURVEYED - 920'
CASING - 25'

N

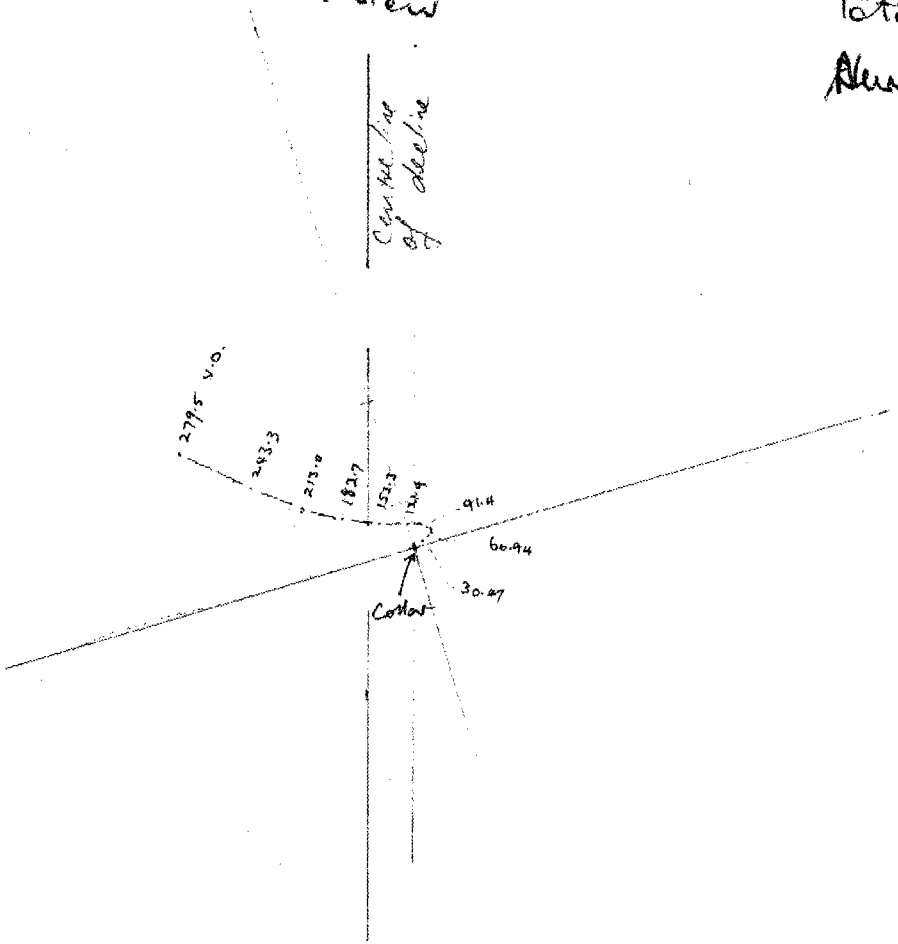
W E

S

DDH 308

Scale 1:500

Plan View



total depth : 930' 283.46 m

Surveyed to : 920' 280.42 m

DIAMOND DRILL HOLE NO. 307

LOCATION:	No. 3 Orebody
CO-ORDINATES:	700E: 9599.7N
R.L.:	387.5 Feet 118.1 3.3 121.4
DATE COMMENCED:	14th March, 1970.
DATE COMPLETED:	1st April, 1970.
FINAL DEPTH:	977 Feet 297.8
DATE SURVEYED IN:	29th January, 1970
LOGGED BY:	P. Le Messurier.

337.5 ?

SEISKO LIMITED, REYK ICELAND. DIAMOND DRILL LOG DRILL HOLE No. 307

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'L.	ASSAYS	SYM	GEOLOGICAL DESCRIPTION
	0	35	35	0		No Core	Surface soil, clay and weathered rock material.
	35	50	15	4		META VOLCANICS 35' ≈ 108' 10-7 32-9	META VOLCANICS - strongly weathered limonitic joint coatings.
	50	68	18	17.5			META VOLCANICS - mid-grey-green, very irregularly mottled with chloritic blebs.
	68	100	32	31.5			META VOLCANICS - mid-grey massive generally more felsic and siliceous than elsewhere in area, irregular chloritic blebs veins and wisps.
	100	108	8	8			META VOLCANICS - very chloritic and altered, irregular quartz and calcite veins and quartz and calcite blebs and modules, some with pyrite and pyrrhotite.
	108	113	5	5		BIOTITE/MUSCOVITE HORNFELS 108-113 3 & 4	BIOTITE/MUSCOVITE SCHIST - very soft strongly laminated.
	113	149	36	36		META VOLCANICS 113 - 183 55-8	META VOLCANICS - fine grained mid-grey green, chloritic and felsic rock with fairly general biotite alteration.
	149	183	34	34			META VOLCANICS - mid-grey green, very fragmental texture in part irregular patches of greater percentage of chlorite and silica.
	183	214	31	30		TRANSITION ZONE ?	BIOTITE, CHLORITIE, FELSPAR HORNFELS, appears to form a transition zone from Meta Volcanics to Bedded Biotite Hornfles. Irregular felsic and siliceous fragments, some chloritic zones biotite strongly developed in wisps and blebs.
	214	232	18	18		BIOTITE HORNFELS 214 - 232 65-2 70-1	BIOTITE HORNFELS - fine grained thinly banded biotite, biotite fairly disseminated in bands rather than belbs, some pyroxene epidote clinozoisite bands.
	232	244	12	12		BIOTITE/PYROXENE HORNFELS 232 - 244 14-4	BIOTITE/PYROXENE HORNFELS interbanded biotite and pyroxene rich bands, fine grained, goundaires irregular epidote and clino-zoisite common. Small sulphide aggregates.

DIAMOND [illegible] DRILL HOLE No. 307

SAMPLE No.	FROM	TO	LENGTH SAMPLED	LENGTH RECOVD.	ASSAYS WO_3	ASSAYS Mo	[illegible]	GEOLOGICAL DESCRIPTION
	244	262	18	18			PYROXENE HORNFELS 244' - 266 81.1	PYROXENE HORNFELS - irregularly banded fine grained pyroxene clinozoisite rich rock, some biotite bands, irregular garnetiferous and skarn type blebs, modules and bands.
A1740	262	264	2	2	0.1	0.038		
A1741	264	266	2	2	0.09	0.043		
A1742	266	268	2		0.54	0.073	A LENS HORIZON 266' - 279' 95.0 13' of 0.3% WO_3	SKARN, fine to medium grained pyroxene rich, 20 - 25% garnet, calcite blebs and veins. Disseminated scheelite and molybdenite.
A1743	268	270	2		0.04	0.027		
A1744	270	272	2		0.03	0.027C		
A1745	272	273	1		0.38	0.038		
A1746	273	275	2		0.04	0.027		
A1747	275	277	2	2	0.75	0.059		
A1748	277	279	2	2	0.39	0.188C		
A1749	279	281	2	2	0.09	0.024		
A1750	281	283	2	2	0.08	0.029		
A1751	283	287	4	4	0.05	0.021	CALCITE HORNFELS 283' - 343' 104.5	CALCITE HORNFELS - recrystallised and irratically altered limestone; many irregular pyroxene garnet and biotite bands, calcite veins and dykelets, sporadic disseminated scheelite increasing in some zones.
A1752	287	291	4	4	0.04	0.024		
A1753	291	293	2	2	0.03	0.018		
A1754	293	295.5	2.5	2.5	0.03	0.017		
A1755	295.5	298	2.5	2.5	0.73	0.054		
A1756	298	300	2	2	0.19	0.032		
A1757	300	302	2	2	0.06	0.025C		
A1758	302	306	4	4	0.05	0.017		
A1759	306	310	4	4	0.03	0.015		
	310	324	14	0				Solution cavity reported by driller - 14 feet advance of rod without drilling.
	324	339	15	15				CALCITE HORNFELS - recrystallised and altered limestone as above.
A1760	339	341	2	2	0.07	0.016		
A1761	341	343	2	2	0.06	0.030		
	343	350	7	7			BIOTITE HORNFELS 343' - 370' 112.8	BIOTITE HORNFELS - dark fine grained poorly banded.
	350	359.5	9.5	9.5			APLITE 106.7 - 109.6	APLITE, fine grained very variable orthoclase and silica rich mineralogy. Very irregular upper and lower margins - fragments of biotite hornfels.
	359.5	362.5	3	3				BIOTITE/PYROXENE HORNFELS, fine grained irregularly banded.

GLOPERO LIMITED, KING ISLAND. DIAMOND DRILLING DRILL HOLE No. 307

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo	UNIT	GEOLOGICAL DESCRIPTION	STRUCTURE
	362.5	366	3.5	3			APLITE	APLITE, medium grained variable composition, irregular fragments of biotite hornfels included in aplite.	
	366	368	2	2				BIOTITE HORNFELS, fine grained massive, irregular vein and blebs of aplite in middle of unit.	
	368	370	2	2			APLITE	APLITE, medium grained, murky mineralogy.	
	370	388	18	18			BIOTITE/PYROXENE HORNFELS 370 - 388 112.6 1183	BIOTITE/PYROXENE HORNFELS, fine grained irregularly interbedded poorly developed bleby porphyritic texture in part, very thin aplite veins.	
	388	440.5	52.5	50			BIOTITE HORNFELS 388 - 440 134.1	BIOTITE HORNFELS, fine grained siliceous poorly banded with interbedded pyroxene hornfels prominent in some sections.	
	440.5	480	39.5	38.5			B META VOLCANICS 440 - 480 146.3	B META VOLCANICS, fine to medium grained biotite/actinolite feldspar rock with strong remnant porphyritic texture in part. Aplite veins - 454' - 454.7' 471' - 473.5'	
	480	533	53	51.5			APLITE 480'-533' 162.4	APLITE, generally fine grained very cloudy testure of roped crystalisation. Much orthoclase in groundmass. Some biotite rich bands and irregular segregations. Several fine and more siliceous veins.	
	533	534	1	1			BIOTITE/PYROXENE HORNFELS 533' - 545.5' 166.3	BIOTITE/PYROXENE HORNFELS, intimately intermixed in irregular bands, fine grained massive with some irregular coarse calcite garnet pyroxene blebs with minor scheelite.	
A2032	534	536	2	2	0.16	0.014			
A2033	536	538	2	2	0.05	(0.01			
A2034	538	540	2	2	0.06	(0.01			
A2035	540	541.4	1.5	1.5	0.08	0.015			
A1825	541.5	543.5	2	2	0.48	0.021			
A1826	543.5	545.5	2	2	0.32	0.016			
A1827	545.5	547	1.5	1.5	1.35	0.038		SKARN, very pyroxene rich and grading to banded pyroxene hornfels in part, irregular calcite and quartz blebs and veins garnet irregularly distributed, scheelite disseminated throughout in both fine crystals and coarse veins and aggregates.	
A1828	547	549	2	2	0.31	0.016			
A1829	549	551	2	2	2.32	0.065			
A1830	551	553	2	2	2.42	0.059			
A1831	553	554.5	1.5	1.5	1.12	0.029			
A1832	554.5	556.5	2	2	0.04	(0.01	LIMESTONE 191.3 554.5 - 627.5	LIMESTONE, generally strongly bedded, recrystallised and banded with abundant block	
A1833	556.5	558.5	2	2	0.07	(0.01			

DECEBO LIMITED, KING ISLAND. DIAMOND DRILL HOLE No. 307

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLE	LENGTH RECV'D.	ASSAYS WO_3	ASSAYS Mo	DRILL	GEOLOGICAL DESCRIPTION	FRACTURING
	558.5	602.5	44	44				chloritic biotite rich pelitic bands and wisps, irregular calcite veins.	
A1834	602.5	604.5	2	2	0.09	(0.01		LIMESTONE, recrystallised and irregularly altered to skarn, some fine disseminated scheelite.	
A1835	604.5	606.5	2	2	0.07	(0.01			
A1836	606.5	608.5	2	2	0.11	(0.01			
	608.5	627.5	19	19				LIMESTONE, very irregularly banded with pelitic bands, large irregular calcite dyke with some garnet and pyroxene alteration.	
	627.5	714	86.5	85			BIOTITE HORNFELS 627.5 - 714 217.6	BIOTITE HORNFELS, dark grey and brown fine grained, irregularly banded with some pyroxene hornfels and limey bands, irregular carbonate veins. Percentage of pyroxene hornfels increases down the unit which grades to biotite/pyroxene hornfels in part.	Minor oblique jointing, frequency 1 per 5 f
	714	720	6	6			PYROXENE/GARNET HORNFELS 714 - 724 220.7	PYROXENE/GARNET HORNFELS - fine grained pyroxene and pyroxene/biotite hornfels with numerous irregular calcite fragments and ovoids with garnet and pyroxene replacement and reaction rims.	
A1837	720	722	2	2	0.06	(0.01			
A1838	722	724	2	2	0.06	(0.01			
A1839	724	726	2	2	0.56	0.018	SKARN 724 - 774 235.9	SKARN, fine and medium grainsize, very variable in composition from a pyroxene garnet rock massive well crystallised to a recrystallised and altered limestone with garnets predominately Calcite blebs and altered fragments common throughout. Well developed garnet crystals and needle like pyroxene crystals in coarse calcite zones disseminated scheelite of generally coarse grainsize throughout.	
A1840	726	728	2	2	0.94	0.018			
A1841	728	730	2	2	0.24	(0.01			
A1842	730	732	2	2	0.52	0.013			
A1843	732	734	2	2	0.17	(0.01			
A1844	734	736	2	2	0.26	(0.01			
A1845	736	738	2	2	0.27	(0.01			
A1846	738	740	2	2	0.40	(0.01			
A1847	740	742	2	2	0.07	(0.01			
A1848	742	744	2	2	0.33	(0.01			
A1849	744	746	2	2	0.21	(0.01			
A1850	746	748	2	2	0.15	(0.01			
A1851	748	750	2	2	0.24	(0.01			
A1852	750	752	2	2	0.14	(0.01			
A1853	752	754	2	2	0.05	(0.01			
A1854	754	756	2	2	0.04	(0.01			
A1855	756	758	2	2	0.07	(0.01			
A1856	758	760	2	2	0.08	(0.01			
A1857	760	762	2	2	0.38	(0.01			
A1858	762	764	2	2	0.07	(0.01			
A1859	764	766	2	2	0.08	(0.01			
A1860	766	768	2	2	0.05	(0.01			

SAMPLE No.	FROM	TO	LENGTH SAMPLE	LENGTH CORE	ASSAYS WO3	ASSAYS Mo	DESCRIPTION
A1861	768	770	2	2	0.06	(0.01	
A1862	770	772	2	2	0.10	(0.01	
A1863	772	774	2	2	0.06	(0.01	
A1864	774	778	4	4	0.06	(0.01	PYROXENE GARNET HORNFELS 774' - 786 (239.6) PYROXENE GARNET HORNFELS, fine grained pyroxene hornfels with irregular fragments and ovoids of calcite with garnet andpyroxene reaction rims and alteration, minor scheelite.
A1865	778	782	4	4	0.06	(0.01	
A1866	782	786	4	4	0.04	(0.01	
A1867	786	790	4	4	0.12	(0.01	SKARN 786 - 798 (243.2) SKARN, very variable composition, chiefly recrystallised and al tered limestone with variable percentages of garnet and pyroxene minor disseminated scheelite.
A1868	790	794	4	4	0.05	(0.01	
A1869	794	798	4	4	0.02	(0.01	
	798	826	28				LIMESTONE 798 - 828/5 (252.5) LIMESTONE, recrystallised and in part altered well banded with dark pelitic bands.
A1870	826	828.5	2.5	2.5	0.01	(0.01	
A1871	828.5	830	1.5	1.5	0.18	(0.01	SKARN 828.5 - 831 (253.3) SKARN, fine grained pyroxene rich minor garnet and calcite, with disseminated scheelite.
A1872	830	831	1	1	0.35	(0.01	
A1873	831	833	2	2	0.05	(0.01	BANDED HORNFELS 831 - 887 (270.3) BANDED HORNFELS - ihtimately intermixed biotite pyroxene, and calcite hornfels, with minor garnet bands in calcareous bands. Some sporadic scheelite. A number of very soft and clayey bands - generally with pink colouration. Upper half of unit particularly calcareous but grades to more massive biotite pyroxene hornfels at base. At base adjacent to contact increase in grain-size particularly in pyroxene bands, increase in pyrite.
A1874	833	835	2	2	0.02	(0.01	
	835	887	52	50			
	887	977	90				GRANITE 887 - 977' (297.8) GRANITE, medium and coarse grained quartz rich orthoclase granite. Phenocrysts of orthoclase to)1". A few bands of finer grained mafic rich granite, also some irregular aplitic bands. Upper contact very sharp and parallel to bedding - fine grained mafic zone along con-tact, increase in pyrite and magnetite.

DIAMOND DRILL HOLE 307

Logged By P. Le Messurier,

SAMPLE	FOOTAGES From	To	Length		ASSAYS WO_3	Mo	L X A	REMARKS
A1740	262.0 (79.8)	264.0	2.0	.10	0.10	0.038	0.20	
A1741	264.0 (80.5)	266.0	2.0		0.09	0.043	0.18	
A1742	266.0 (81.1)	268.0	2.0	.27	0.54	0.073	1.08	
A1743	268.0 (81.7)	270.0	2.0		0.04	0.027	0.08	A Lens 13' at 0.30% WO_3
A1744	270.0 (82.3)	272.0	2.0	.14	0.03		0.06	
A1745	272.0 (82.9)	273.0	1.0		0.38	0.038	0.38	
A1746	273.0 (83.2)	275.0	2.0	.40	0.04	0.027	0.08	
A1747	275.0 (83.8)	277.0	2.0		0.75	0.059	1.50	9' Mo @ 0.045
A1748	277.0 (84.4)	279.0 (85.0)	2.0	.24	0.39		0.78	
A1749	279.0 (85.0)	281.0	2.0		0.09	0.024	0.18	
A1750	281.0 (85.6)	283.0	2.0	.06	0.08	0.029	0.16	
A1751	283.0 (86.2)	287.0	4.0		0.05	0.021	0.20	
A1752	287.0 (87.5)	291.0	4.0	.04	0.04	0.024	0.16	
A1753	291.0 (88.7)	293.0	2.0		0.03	0.018	0.06	5' @ Mo: 0.035
A1754	293.0 (89.3)	295.5	2.5	.38	0.03	0.017	0.08	
A1755	295.5 (90.1)	298.0	2.5		0.73	0.054	1.82	2.5' at 0.73% WO_3
A1756	298.0 (90.8)	300.0	2.0	.12	0.19	0.032	0.38	
A1757	300.0 (91.4)	302.0	2.0		0.06		0.12	
A1758	302.0 (92.0)	306.0	4.0		0.05	0.017	0.20	
A1759	306.0 (93.3)	310.0 (94.5)	4.0		0.03	0.015	0.12	
A1760	339.0 (103.3)	341.0	2.0	.08	0.07	0.016	0.14	
A1761	341.0 (103.9)	343.0 (104.5)	2.0		0.09	01030	0.18	
A1825	541.5 (115.1)	543.5	2.0	.40	0.48	0.021	0.96	
A1826	543.5 (165.6)	545.5	2.0		0.32	0.016	0.64	Mo: 0.035%
A1827	545.5 (166.3)	547.0	1.5	.76	1.35	0.038	2.025	
A1828	547.0 (166.7)	549.0	2.0		0.31	0.016	0.62	
A1829	549.0 (167.3)	551.0	2.0	2.37	2.32	0.065	4.64	B Lens - 13 Feet at 1.18% WO_3
A1830	551.0 (167.9)	553.0	2.0		2.42	0.059	4.84	
A1831	553.0 (168.5)	554.5 (169.0)	1.5	.50	1.12	0.029	1.68	
A1832	554.5 (168.8)	556.5	2.0		0.04	(0.01	0.08	1.03%
A1833	556.5 (169.6)	558.5 (170.2)	2.0		0.07	(0.01	0.14	
A1834	602.5 (183.6)	604.5	2.0	.09	0.09	(0.01	0.18	
A1835	604.5 (184.2)	606.5	2.0		0.07	(0.01	0.14	
A1836	606.5 (184.9)	608.5 (185.5)	2.0		0.11	(0.01	0.22	
A1837	720.0 (219.4)	722.0	2.0	.06	0.06	(0.01	0.12	
A1838	722.0 (220.0)	724.0	2.0		0.06	(0.01	0.12	
A1839	724.0 (220.7)	726.0	2.0	.75	0.56	0.018	1.12	
A1840	726.0 (221.2)	728.0 (221.9)	2.0		0.94	0.018	1.98	

DIAMOND DRILL HOLE 307

Logged By P. Le Messurier

SAMPLE	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A	REMARKS
A1841	728.0	730.0	2.0	0.24	(0.01	0.48	C Lens 20 Feet at 0.38% WO_3
A1842	730.0	732.0	2.0	0.52	0.013	1.04	
A1843	732.0	734.0	2.0	0.17	(0.01	0.34	
A1844	734.0	736.0	2.0	0.26	(0.01	0.52	
A1845	736.0	738.0	2.0	0.27	(0.01	0.54	
A1846	738.0	740.0	2.0	0.40	(0.01	0.80	
A1847	740.0	742.0	2.0	0.07	(0.01	0.14	
A1848	742.0	744.0	2.0	0.33	(0.01	0.66	
A1849	744.0	746.0	2.0	0.21	(0.01	0.42	
A1850	746.0	748.0	2.0	0.15	(0.01	0.30	
A1851	748.0	750.0	2.0	0.24	(0.01	0.48	
A1852	750.0	752.0	2.0	0.14	(0.01	0.28	
A1853	752.0	754.0	2.0	0.05	(0.01	0.10	
A1854	754.0	756.0	2.0	0.04	(0.01	0.08	
A1855	756.0	758.0	2.0	0.07	(0.01	0.14	
A1856	758.0	760.0	2.0	0.08	(0.01	0.16	
A1857	760.0	762.0	2.0	0.38	(0.01	0.76	
A1858	762.0	764.0	2.0	0.07	(0.01	0.14	
A1859	764.0	766.0	2.0	0.08	(0.01	0.16	
A1860	766.0	768.0	2.0	0.05	(0.01	0.10	
A1861	768.0	770.0	2.0	0.06	(0.01	0.12	
A1862	770.0	772.0	2.0	0.10	(0.01	0.20	
A1863	772.0	774.0	2.0	0.06	(0.01	0.12	
A1864	774.0	778.0	4.0	0.06	(0.01	0.12	
A1865	778.0	782.0	4.0	0.06	(0.01	0.12	
A1866	782.0	786.0	4.0	0.04	(0.01	0.08	
A1867	786.0	790.0	4.0	0.12	(0.01	0.24	
A1868	790.0	794.0	4.0	0.05	(0.01	0.10	
A1869	794.0	798.0	4.0	0.02	(0.01	0.08	
A1870	826.0	828.5	2.5	0.01	(0.01	0.025	
A1871	828.5	830.5	1.5	0.18	(0.01	0.27	
A1872	830.0	831.0	1.0	0.35	(0.01	0.35	
A1873	831.0	833.0	2.0	0.05	(0.01	0.10	
A1874	833.0	835.0	2.0	0.02	(0.01	0.04	

DDH 307

Major fracture 90' (27.4 m)

Leahced ground 253' (77.1 m)

Incompetent ground 297' (90.5 m)

Possible fault 310' (94.5 m) - 324' (98.8 m) - lost core

Fault 464' (141.4 m)

Major fracture 763' (232.6 m)

Incompetent ground 845' (257.6 m)

Incompetent ground 860' (264.0 m) - 871' (265.5 m)

D.D.H. 304 T.D. 977' Casing 54' Surveyed. 2.4.70.

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

1	2	3	4	5	6	7	8	9	10	11	12
Depth	Course Length	Drift Angle	Cosine Sine	~~Cotangent~~ Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine	~~Cotangent~~ Tangent	Deflection along projection
100'	100	1° 10'	0.9998 0.0190	0.0190	99.98	99.98 (30.47)	1.90	N 10E (010)	0.9848 0.1736	0.1763	1.90
200'	100'	2° 30'	0.9990 0.0436	0.0437	99.90	199.88 (60.92)	4.36	N 19W (311)	0.6561 0.7547	0.8693	6.26
300'	100'	3° 15'	0.9984 0.0567	0.0568	99.84	299.72 (91.35)	5.67	N 44° W (316)	0.7193 0.6947	0.9657	11.93
400'	100'	3° 45'	0.9979 0.0654	0.0655	99.79	399.51 (121.77)	6.54	N 58° W (302)	0.5299 0.8480	0.6249	18.17
500'	100'	4° 30'	0.9969 0.0785	0.0787	99.69	499.20 (152.16)	7.85	N 65° W (295)	0.4226 0.9063	0.4663	26.32
600'	100'	5°	0.9962 0.0872	0.0875	99.62	598.82 (182.52)	8.72	N 60° W (300)	0.5000 0.8660	0.5774	35.04
700	100'	7°	0.9925 0.1219	0.1228	99.25	698.07 (212.77)	12.19	N 58° W (302)	0.5299 0.8480	0.6249	47.13
800	100'	7° 30'	0.9914 0.1305	0.1317	99.14	797.21 (242.99)	13.05	N 56° W (304)	0.5592 0.8290	0.6745	60.08
860	60'	8°	0.9903 0.1392	0.1405	59.42	856.63 (261.10)	13.92	N 60° W (300)	0.5000 0.8660	0.5774	74.0

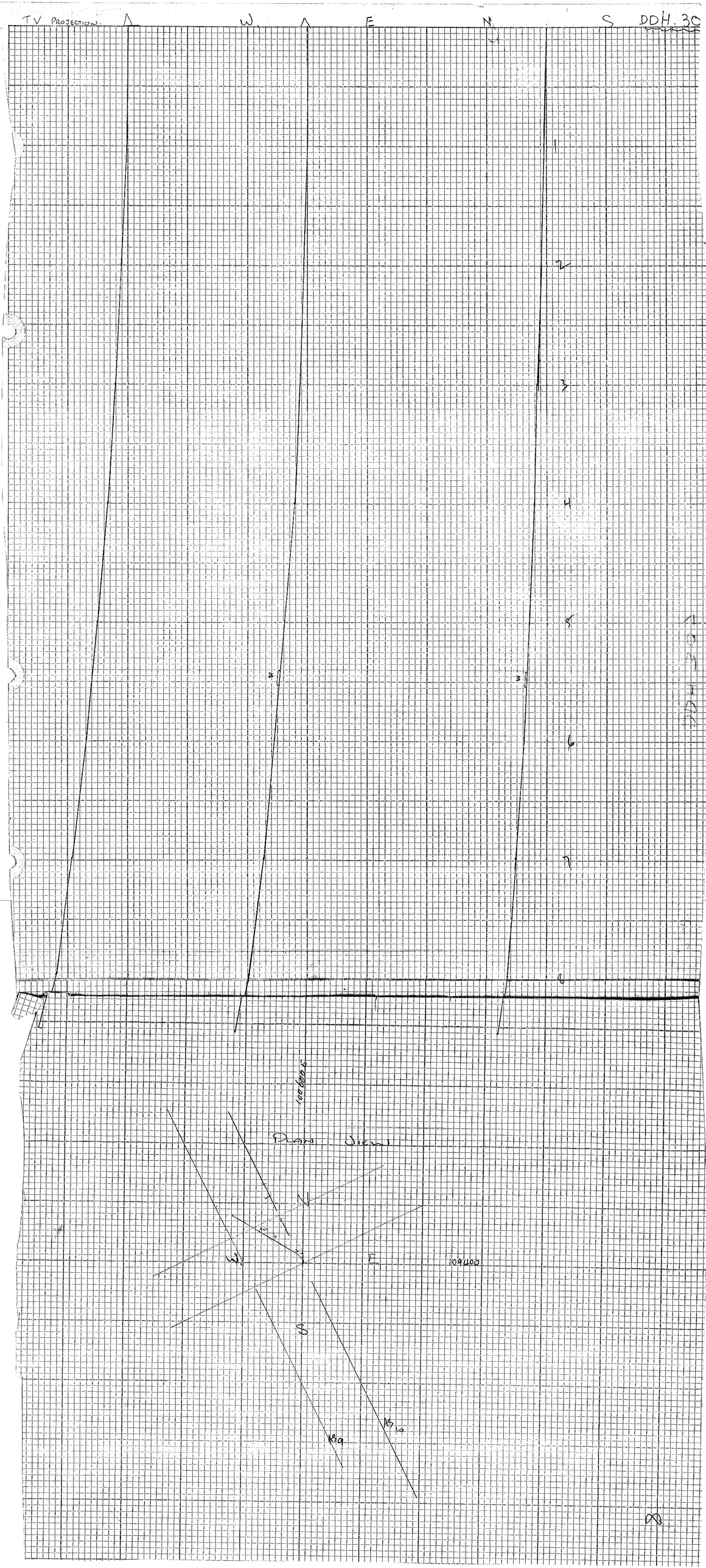
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EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

13	14				15				16
Co-ordinate Difference					Rectangular Difference				
N	S	E	W		N	S	E	W	
1.871		0.330			1.871 (1.89)		0.330 (0.10)		
2.860		-	3.290		4.731 (1.44)			2.960 (0.90)	
4.078			3.939		8.809 (2.68)			6.899 (2.10)	
3.466			5.546		12.275 (3.74)			12.445 (3.79)	
3.317			7.114		15.592 (4.75)			19.559 (5.96)	
4.360			7.551		19.952 (6.08)			27.110 (8.26)	
6.459			10.337		26.411 (8.05)			37.447 (11.41)	
7.298			10.818		33.709 (10.27)			48.265 (14.71)	
6.960			12.055		40.669 (12.39)			60.320 (18.38)	

TV PROJECTION. W. E N S DDH. 30



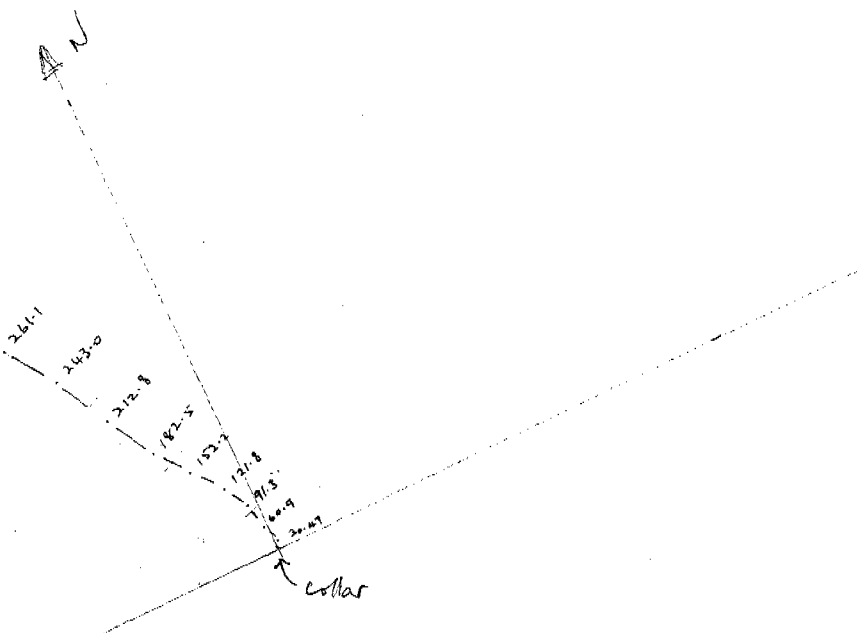
DDH 307

Scale 1:500

Plan view

total depth : 959' 291.19 m

surveyed to : 860' 262.13 m.



DIAMOND DRILL HOLE NO. 306

LOCATION:	No. 3 Orebody
CO-ORDINATES:	E900 (899.67E) N9600 (9603.78N)
R.L.:	390.60' 119.0 + 3.3 } 122.3
DATE COMMENCED:	22nd January, 1970.
DATE COMPLETED:	25th February, 1970.
FINAL DEPTH:	1132' 345.0
DATE SURVEYED:	
LOGGED BY:	P. Kitto.

321.60

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRC

DRILL HOLE No. 306

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo.	VEIN	GEOLOGICAL DESCRIPTION	FRACTURING
	0	23 (70)						No Core	
	23	34	73	3				Brown clay, extremely weathered volcanic rock some black patches (?weathered chloritic section).	
	34	63	29	13.5				Greenschist, extremely weathered, veined and jointed, mineralogy almost undiscernable ? actinolite, chlorite.	
	63	77.5	14.5	4				Hybrid zone - remobilised pyroxene hornfels, top 1' feldspatic section patches, some ougs. Core loss 73' - 77'.	
	77.5 (236)	85	7.5	7				PYROXENE HORNFELS - fine grained green rock, dominant mineralogy green ?diopside. Irregular blebs ?feldspar 79.5' - 80.5'.	
	85 (259)	91.5	6.25	6.5				BIOTITE HORNFELS - brown flaky rock, relatively fine grained, dominant mineralogy biotite with feldspar. Light pastel coloured vein with accessory molybdenite from 86' - 86.5'.	
A1163	91.5 (279)	93.5	2	1.25	0.06	0.21		GREENSCHIST - mottled green and white rock, predominant mineralogy actinolite and feldspar, with chlorite and accessory molybdenite.	
A1164	93.5	95.5	2	1.33	0.09	0.33			
A1165	95.5	97.5	2	1.80	0.06	0.02			
A1166	97.5	99.5	2	1	0.06	(0.01			
A1167	99.5	101.5	2	1.6	0.06	(0.01			
A1168	101.5	103.5	2	2	0.10	(0.01			
A1169	103.5	105.5	2	2	0.10	(0.01			
A1170	105.5	107	1.5	1.6	0.10	(0.01			
A1171	107 (326)	109	2	2	0.08	0.01		VOLCANICS - predominantly mottled variety but some spotted types. Greenish white colour. Pyroxene-feldspar assemblage, some dark patches of chlorite. Weathered sections contains actinolite and chlorite abundant pyrite and pyrrhotite.	
A1172	109	111	2	2	0.08	(0.01			
A1173	111	113	2	1.8	0.07	(0.01			
A1174	113	115	2	2	0.07	(0.01			
A1175	115	117	2	2	0.07	(0.01			
A1176	117	119	2	2	0.07	(0.01			
A1177	119	121	2	2	0.08	(0.01			
A1178	121	123	2	1.9	0.06	(0.01			
A1179	123	126.5	3.5	3.75	0.08	(0.01			
A1180	126.5	128.0 (390)	1.5	1.66	0.08	0.01		VOLCANICS - dark grey green predominantly laths of radial amphiboles, soft, ? weathered. Abundant sulphide.	

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo	FROM	GEOLOGICAL DESCRIPTION	FRACTURING
A1181	128	130	2	1.75	0.05	(0.01		QUARTZITE - light grey highly siliceous rock,	
A1182	130	132	2	1.90	0.03	0.27		darker 129' - 130'. Jointing approx. 65 to	
A1183	132	134	2	1.90	0.01	0.68		(A.C. abundant molybdenite. Mottled and	
A1184	134	136.0	2	2	0.01	0.13		spotted varieties caused by different colours.	
A1185	136	138	2	1.5	0.02	0.11		Section of lighter ones carry more molybdenite.	
A1186	138	140	2	1.25	0.01	0.06		Visually molybdenite free after 170'.	
A1187	140	142	2	2	0.02	(0.01		Core badly broken from 199'. Light siliceous	
A1188	142	144	2	2	0.03	(0.01		section from 197.5' - 203'. Joint and fracture	
A1189	144	146	2	2	0.03	0.05		planes filled with green clayey mineral (?	
A1190	146	148	2	2	0.01	0.62		chlorite).	
A1191	148	150	2	2	0.22	0.02			
A1192	150	152	2	2	0.03	0.11			
A1193	152	154	2	2	0.04	0.03			
A1194	154	156	2	2	0.02	0.09			
A1195	156	158	2	2	0.04	0.01			
A1196	158	160	2	2	0.03	(0.01			
	160	254	94	94					
	254	263	9	9				APLITE - feldspar, quartz, medium grained rock	
								with green colour from some finely	
								dispersed ferromagnesium. In addition large	
								flakes of muscovite occur 5" band of	
								quartzite at 262'.	
	263	365.75	103.25	102.8				QUARTZITE - dark grey structureless siliceous	
								rock, very tough. Spotted variety at 273.5'	
								to 274.5'. Strongly broken and jointed.	
								Spotted variety from 285.5', spotted and	
								banded from 286.5' to 290'. Pyrite filled	
								joints and fractures. At 322.5 a 2.75' aplitic	
								looking crystalline quartz vein occurs, has	
								some ferro-magnesians and muscovite. Pyrite	
								filled joint planes. 2" speckled band at	
								347.2', 1" at 346.5 and 3" at 345'.	
								3" siliceous band at 362'	
	365.75	366.75	1	1				BIOTITE HORNFELS - brown spotted rock, silicified,	
								grades from quartzite to biotite hornfels.	
	366.75	559.25	192.25	192.25				QUARTZITE- light to medium grey aphanitic	
								siliceous rock. Strongly jointed. Brecciated	
								section healed by chlorite with pyrite at	
								388'. Two small quartz veins at 380', 2"	
								quartz vein at 414'. Pyrite filled joint planes.	

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL CORE DRILL HOLE No. 306

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS	UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
							3" and 10" white siliceous veins at 445.25' and 447.65' respectively. Very badly broken core from 481' - 482'. Spotted variety with black spots from approx. 504'. 4" silicified argillaceous band at 510.33'. Pyrite filled joint planes throughout. Spotted lighter coloured biotite portion from 517-520'. 3" quartz vein at 531.8'. Fault at 537' - 538', offsets irregular patches of silicified shale.	
1704	559.0	561.5	2.5	2.5			FAULT ZONE - extensively altered ?quartztie and pyroxene hornfels, large lathes ?actinolite in last 1 foot, changing to coarse grained pyroxene hornfels.	
	561.5	577.33	15.83	15.3			PYROXENE HORNFELS - predominantly pyroxene with some biotite. Spotted and patchy, spotted variety contains some ?feldspar. Extremely minor scheelite in coarse pyroxene band 562 - 563'.	
1759								
	577.33	585.6	8.27	7.8			BIOTITE/PYROXENE HORNFELS -blocky patchy biotite and pyroxene.	
1785								
	585.6	593.33	7.73	7			PYROXENE-GARNET HORNFELS - mainly pyroxene with patches of garnet and sections of biotite.	
1808								
	593.33	599.6	6.27	6.25			PYROXENE HORNFELS - minor biotite and garnet abundant pyrite 596.25' - 597.8'.	
1827								
	599.6	603.6	4	4			BIOTITE HORNFELS	
	603.6	606	2.4	2.3			PYROXENE-CALCITE-GARNET HORNFELS - predominantly pyroxene with bands of calcite, minor garnet developed on the edges, some biotite.	
1847								
	606	611	5	4.8			PYROXENE HORNFELS	
1862								
	611	614.5	3.5	3.5			BIOTITE-PYROXENE HORNFELS - intermixture of biotite and pyroxene hornfels.	
1873								
	614.5	616.5	2	2			CALCITE-GARNET HORNFELS - mainly calcite with garnet at ends and as patches throughout. Minor pyroxene.	
1879								

NEPTUNE LIMITED, KING ISLAND. DIAMOND DRILLING DRILL HOLE No. 306

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo	UNIT	LITHOLOGICAL DESCRIPTION	FRACTURING
	616.5	621.8 189.5	5.3	5.25				BIOTITE-PYROXENE HORNFELS - some bands and patches of garnet.	
	621.8	656.0 199.9	34.2	34				PYROXENE HORNFELS - predominantly pyroxene with some biotite. Very fluidal. Small band of pyrrhotite at 630' with very specks of blue scheelite. Further pyrrhotite at 632.25'. 6" calcite hornfels band 644'. Little more biotite rich towards 656'.	
	656	659 200.9	3	2.8				BIOTITE HORNFELS	
	659	670.5 204	11.5	11.5			PYROXENE	PYROXENE-CALCITE-GARNET HORNFELS, mainly pyroxene with bands of calcite with garnetiferous rims. Few specks of scheelite at 660'. Becomes more calcite rock. Last 1.5' mainly pyroxene hornfels.	
	670.5	672.5 205	2	2				GARNET HORNFELS - predominantly coarse brown garnet, minor pyroxene and calcite spots of scheelite.	
	672.5	778.75	106.25	104.25				BIOTITE PYROXENE or PYROXENE BIOTITE HORNFELS alternating bands of pyroxene and biotite rich hornfels. Some bands of calcite hornfels with garnet rims and bands of coarse grained pyroxene. 6" patch of garnet at 603', 3" minor garnet at 715.75'. Calcite band with garnet rims at 743'. Minor garnet and pyrrhotite band at 740'. Calcite vein with garnet on edges at 743'. Core badly broken 745' - 746', 765'-770' and 770'-772.5'. Some pyrrhotite along fracture faces and joint planes, same vein of pyrrhotite at 756.5'. Some patches of more pyroxene rich and biotite rich hornfels. Bedding variously slumped, structure complex intraformational folding and faulting. Minor brecciation 774' - 777' bloachy and patchy biotite, generally more biotite rich grades into biotite hornfels in last 10 - 15' except for pyroxene hornfels band at 782'	
A1326	778.75	780.75	2	2	0.10	0.016			
A1327	780.75	782.75	2	2	0.07	(0.01			
		238.6							
A1328	782.75	785	2.25	1.6	0.13	0.013		BIOTITE-PYROXENE-GARNET HORNFELS - bands of coarse garnet and pyroxene in a banded biotite	
A1329	785.0	787	2	1.6	0.42	0.028			
A1330	787	789	2	1.6	0.76	0.018			

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH RECD.	ASSAYS WO_3	ASSAYS Mo	LITH.	GEOLOGICAL DESCRIPTION	FRACTURING
A1331	789	791	2	2	0.07	(0.01		pyroxene hornfels. Scheelite in bands containing garnet and disseminated in richer pyroxene hornfels bands.	
A1332	791	794	3	3	0.30	(0.01		PYROXENE-GARNET HORNFELS - mainly medium grained pyroxene with some garnet.	
	241.1	242.0							
A1333	794	796	2	1	0.06	(0.01		BIOTITE PYROXENE HORNFELS - essentially biotite bands with alternating bands of clino-zerisite, other bands of pyroxene. Where interbands of biotite, less deformation of bands than in pyroxene ones. Some small flecks of scheelite at 802.5'. Core loss 797' - 799'.	
A1334	796	798	2		0.07	(.01			
	798	810.25			[illegible]	[illegible]			
A1335	810.25	812.25	2		0.06	(0.01			
A1336	812.25	814.25	2		0.06	0.01			
		248.2							
A1337	814.25	816.25	2	2	0.06	(0.01		PYROXENE-GARNET HORNFELS - predominantly pyroxene with garnet sporadically dispersed throughout.	
A1338	816.25	819.75	3.5	3.5	0.94	0.027			
		249.8							
A1339	819.75	821.75	2	2	0.02	(0.01		CALCITE HORNFELS - white-grey banded relatively homogeneous rock.	
A1340	821.75	823.75	2	2	0.01	(0.01			
	823.75	842.5	18.75	17.75	.	. .			
		256.8							
	842.5	848.5	5	5				PYROXENE-GARNET-CALCITE-HORNFELS-PYROXENE HORNFELS with bands of calcite hornfels with garnet rims. Some patches of garnet developed in larger bands of calcite hornfels.	
		258.6							
	848.5	853.0	4.5					IMPURE CALCITE HORNFELS - mainly calcite, some growth and insipient growth of garnet sporadically placed. Some bands of biotite hornfels and pyroxene hornfels. Extensively weathered or altered in places.	
A1341	853.0	855.0	2		0.03	(0.01			
A1342	855	857	2		0.03	(.01			
		261.2							
A1343	857	860.5	3.5	2.75	0.58	0.011		GARNET HORNFELS - predominantly coarse garnet with bands of coarse and fine scheelite.	
		262.5							
A1344	860.5	864	3.5	3.4	0.06	(0.01		IMPURE CALCITE HORNFELS - mainly calcite with patches of impure garnet, mixed up with some pyroxene, pyroxene hornfels in top 8".	
		263.3							
	864.0	874.7	10.7	10.7				PYROXENE HORNFELS - predominantly pyroxene with lighter patches of ?clinozoisite some biotite hornfels.	
		266.6							

GEOPEKO LIMITED, KING ISLAND. DIAMOND D... DRILL HOLE No. 306

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH RECV'D.	ASSAYS	UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
	874.7	881.6	6.9	5.6			BIOTITE HORNFELS - predominantly biotite with minor dirty pyroxene hornfels.	
		288						
	881.6	981.6	100	100			CALCITE-BIOTITE-GARNET HORNFELS - bands of calcite predominating, interbedded with small bands of biotite hornfels, scheelite in calcite-garnet rock at 900' (1 feet) garnet occurs in two forms, as rims to the calcite hornfels bands and sporadically throughout the calcite hornfels. More garnet rich and larger bands of biotite with some pyroxene hornfels.	
		299.2						
	981.6	1025	44.4	43			BIOTITE-PYROXENE HORNFELS - variable from inter-bedded pyroxene and biotite hornfels bands to bands of coarser pyroxene hornfels, some bands contain minor garnet. Bands of lighter coloured hornfels only slightly calcareous. Joints and fractures filled with pyrite. Very variable mineralogy from 1000' to granite contact, lighter coloured bands which look limey but aren't ?clinozoisite, anthophyillite. Lot of alteration and friable. Talcose section just before contact.	
		312.9						
	1025	1026.5	1.5	1.3			Mainly QUARTZ, some calcite and altered ferrmagnesians.	
	1026.5	1132	106.5	90.25			GRANITE - fine to medium grained granite, extremely mafic in sections, alteration in part throughout ?haematitic staining. Sections of spotted almost wholly pyroxene. Older more leucocratic sections. Granite becomes more regular from approx. 1056', some alterations still with ?haematitic staining. Still rather melacratic. Lot of calcite from 1025' - 1080', badly altered. Red? haematitic staining ends at 1094'. Sub-vertical joint at 1096'-1100'. relatively normal to mafic rich granite from 1098'. Very badly broken from 1123', crumbly, fairly large core loss.	

11

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 306

Logged By: P. KITTO

Sample No.	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A Mo	REMARKS
A1163	91.5	93.5	2	0.06	0.21	0.42	6' at 0.143% Mo
A1164	93.5	95.5	2	0.09	0.33	0.66	
A1165	95.5	97.5	2	0.06	0.02	0.04	
A1166	97.5	99.5	2	0.06	(0.01		
A1167	99.5	101.5	2	0.06	(0.01		
A1168	101.5	103.5	2	0.1	(0.01		
A1169	103.5	105.5	2	0.1	(0.01		
A1170	105.5	107	1.5	0.1	(0.01		
A1171	107	109	2	0.08	(0.01		
A1172	109	111	2	0.08	(0.01		
A1173	111	113	2	0.07	(0.01		
A1174	113	115	2	0.07	(0.01		
A1175	115	117	2	0.07	(0.01		
A1176	117	119	2	0.07	(0.01		
A1177	119	121	2	0.08	(0.01		
A1178	121	123	2	0.06	(0.01		
A1179	123	126.5	3.5	0.08	(0.01		
A1180	126.5	128	1.5	0.08	0.01		
A1181	128	130	2	0.05	0.01		
A1182	130	132	2	0.03	0.27	0.54	
A1183	132	134	2	0.01	0.68	1.36	
A1184	134	136	2	0.01	0.13	0.26	
A1185	136	138	2	0.02	0.11	0.22	
A1186	138	140	2	0.01	0.06	0.12	
A1187	140	142	2	0.02	0.01	0.02	26' at 0.168% Mo
A1188	142	144	2	0.03	0.01	0.02	
A1189	144	146	2	0.03	0.05	0.10	
A1190	146	148	2	0.01	0.62	1.24	
A1191	148	150	2	0.22	0.02	0.04	assays.
A1192	150	152	2	0.03	0.11	0.22	in 9.
A1193	152	154	2	0.04	0.03	0.06	
A1194	154	156	2	0.02	0.09	0.18	
A1195	156	158	2	0.04	(0.01		
A1196	158	160	2	0.03	(0.01		

DIAMOND DRILL HOLE 306

P. L. Kitto

A1326	778.75 (237.4)	780.75	2.0	0.10	0.016	0.20	
A1327	780.75 (238.0)	782.75	2.0	0.07	(0.01	0.14	
A1328	782.75 (238.6)	785.0	2.25	0.13	0.013	0.29	
A1329	785.0 (239.3)	787.0	2.0	0.42	0.028	0.84	0.59% / 4'
A1330	787.0 (239.9)	789.0	2.0	0.76	0.018	1.52	
A1331	789.0 (240.5)	791.0	2.0	0.07	(0.01	0.14	9'/0.38%
A1332	791.0 (241.1)	794.0	3.0	0.30	(0.01	0.90	
A1333	794.0 (242.0)	796.0	2.0	0.06	(0.01	0.12	
A1334	796.0 (242.6)	798.0 (243.2)	2.0	0.07	(0.01	0.14	
A1335	810.25 (247.0)	812.25	2.0	0.06	(0.01	0.12	
A1336	812.25 (247.6)	814.25	2.0	0.06	0.01	0.12	
A1337	814.25 (248.2)	816.25	2.0	0.06	(0.01	0.12	
A1338	816.25 (248.8)	819.25	3.0	0.941	0.027	2.82	0.94% / 3'
A1339	819.25 (249.7)	821.75	2.50	0.02	(0.01	0.05	
A1340	821.75 (250.5)	823.75 (251.1)	2	0.01	(0.01	0.02	
A1341	853.0 (260.0)	855.0	2	0.03	(0.01	0.06	
A1342	855.0 (260.6)	857.0	2	0.03	(0.01	0.06	
A1343	857.0 (261.2)	860.5	3.5	0.581	0.011	2.03	0.58% / 3.5'
A1344	860.5 (262.3)	864.0 (263.3)	3.50	0.06	(0.01	0.21	

Fault 559' (170.4 m)

Najor fracture 584' (178.0 m)

Possible fault 610' (185.9 m)

Fault 644' (196.3 m)

Major fracture 771' (235.0 m)

Fault 798' (243.2 m)

Major fracture 909' (277.1 m)

Major fracture 928' (282.9 m)

Major fracture 944' (287.7 m)

Major fracture 945' (288.0 m)

Possible fault 950' (289.6 m)

Fault 1013' (308.8 m)

Fault 1020' (310.9 m)

Fault 1023' (311.8 m)

T.V. PROJECTION

W

E

N

S

RAPH No. 901/P24

Casing 65'

DDH 306

25.2.70

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

1	2	3	4	5	6	7	8	9	10	11	12
Distance	Course Length	Inclination		Difference in Vertical Depth	Horizontal Component	Total Depth	Departure	Bearing	Cosine Values	Contangent Tangent	Deflection
100	100		15'	1.0000 0.0044	.0044	100	100	0.44	135 S45E 7071 7071	1.0000	0.44
200	100		45'	.9999 .0131	.0131	99.99	199.99 (60.96)	1.31	132 S48E 6691 7431	.9004	1.75
300	100		45'	.9999 .0131	.0131	99.99	299.98 (91.43)	1.31	150 S30E 8660 .5000	.5774	3.06
400	100	1°		.9998 .0175	.0175	99.98	399.96 (121.91)	1.75	243 N67W .3907 .9205	.4245	4.81
500	100	1°	15'	.9998 .0218	.0218	99.98	499.94 (152.38)	2.18	313 N47W .6820 .7314	.9325	6.97
600	100	1°	30'	.9997 .0262	.0262	99.97	599.91 (182.85)	2.62	270 N90W 0000 1.000	.0000	9.61
700	100	2°	30'	.9990 .0436	.0437	99.90	699.81 (213.30)	4.36	276 N84W .1045 .9945	.1051	13.97
800	100	4°	15'	.9973 .0721	0743	99.73	799.54 (243.7)	7.41	272 N88W .0349 .9994	.0349	24.38
900	100	5		.9962 .0872	0875	99.62	899.16 (274.06)	8.77	273 N87W .0523 .9986	.0524	30.90
1000	100	4°	45'	.9966 .0828	0831	99.66	998.82 (304.44)	8.28	272 N88W .0349 .9994	.0349	38.88
1100	100	4°	45'	.9966 .0828	0831	99.66	1098.48 (334.82)	8.28	289 N71W .2250 .9744	.2309	46.66

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

10

13		14		15		16	
Co-ordinate Difference				Rectangular Difference			
N	S	E	W	N	S	E	W
	.311	.311			.311 (.09)	.311 (.09)	
	.876	.973			1.187 (.36)	1.284 (.39)	
	1.134	.655			2.321 (.71)	1.939 (.59)	
.684			1.611		1.637 (.50)	0.328 (.10)	
1.487			1.594		0.150 (.05)		1.266 (.38)
			2.60		0.150 (.05)		3.886 (1.18)
.458			4.338	.308 (.09)			8.224 (2.51)
.259			7.403	.567 (.17)			15.627 (4.76)
.453			8.711	1.020 (.31)			24.338 (7.42)
.289			8.272	1.309 (.40)			32.61 (9.94)
1.863			8.065	3.172 (.97)			40.675 (12.40)

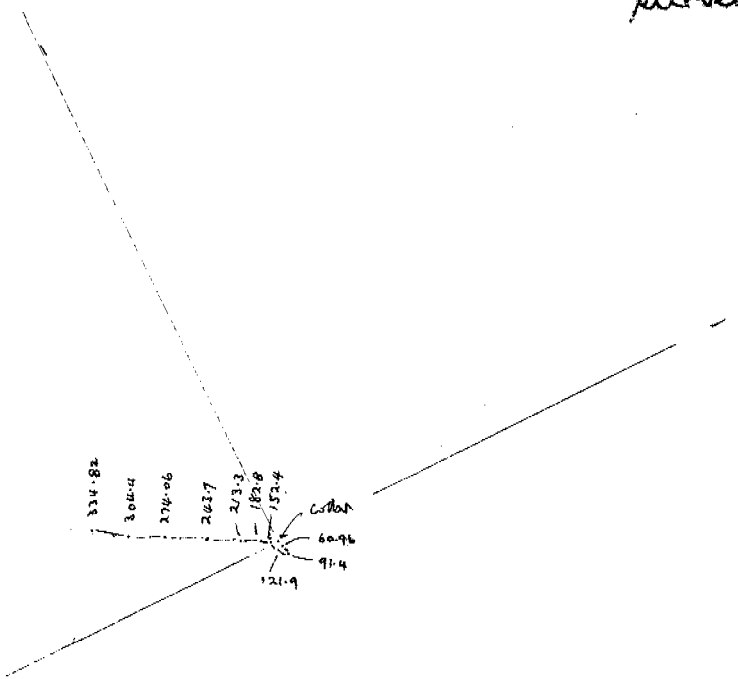
DDH 306

Scale 1:500

Plan view

total depth : 1132'

surveyed to : 1100'



BH/306

1091.82
40416.62
10407.58

1061.34
40416.66
10407.45

1030.86
40416.80
10407.08

1000.39
40416.94
10406.71

969.91
40416.61
10407.13

939.44
40416.39
10407.75

908.97
40415.69
10408.12

879.52
40414.59
10408.87

848.12
40412.63
10410.00

817.76
40410.35
10411.37

787.38
40408.17
10412.63

777.66
40407.56
10413.16

BH/306 239.27
R.L 883.08
EASTINGS
40414.75
NORTHINGS
10408.76

BH/306 240.79
R.L 873.58
EASTINGS
40414.27
NORTHINGS
10409.05

BH/306 261.21
R.L 861.19
EASTINGS
40413.47
NORTHINGS
10409.51

HOLE NO. BH/306

POSITION	DEPTH	BEARING	DIP	R.L.	EASTING	NORTHING
0	COL	090° 00'	-90°	1122·3	40416·62	10407·58
1	30·48	S 45° 00' E	-89° 45'			
2	60·96	S 48° 00' E	-89° 15'			
3	91·44	S 50° 00' E	-89° 15'			
4	121·92	N 67° 00' W	-89°			
5	152·40	N 47° 00' W	-88° 45'			
6	182·88	N 90° 00' W	-88° 30'			
7	213·36	N 84° 00' W	-87° 30'			
8	243·84	N 88° 00' W	-85° 45'			
9	274·32	N 87° 00' W	-85° 00'			
10	304·80	N 88° 00' W	-85° 15'			
11	335·28	N 77° 00' W	-85° 15'			
12	345·03	N 77° 00' W	-85° 15'			
13						
14						
15						
16						
17						
18						

INTERSECTIONS 239·27 - 242·01 2·7m @ 0·38

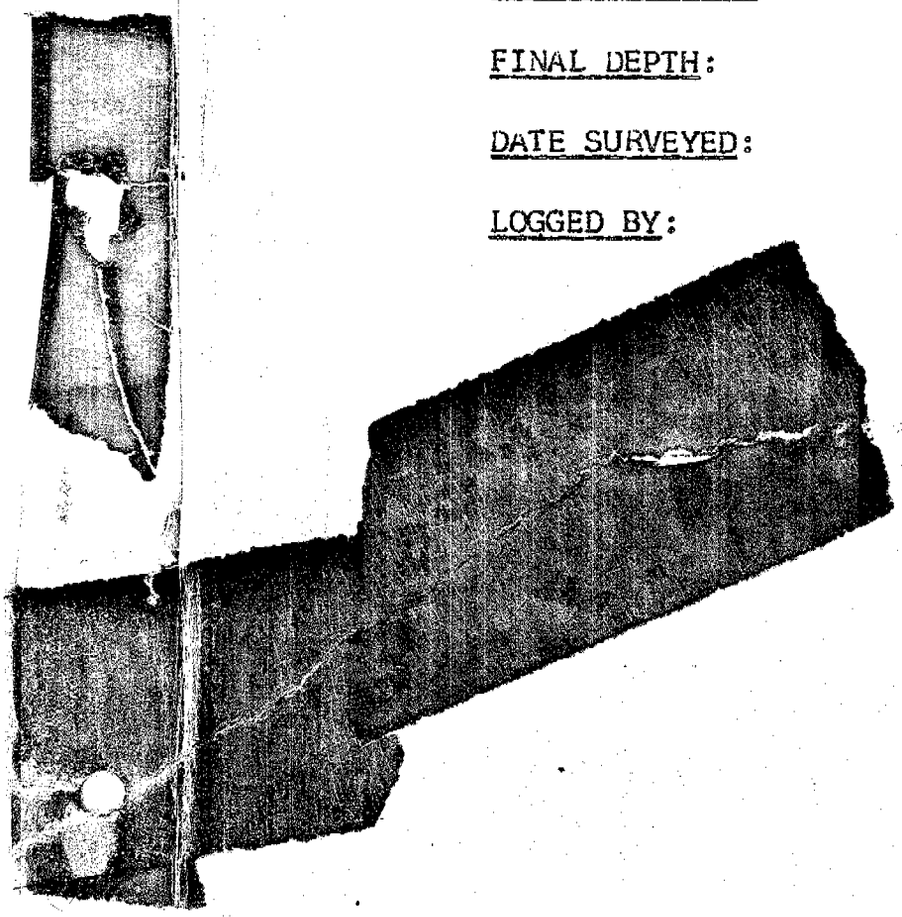
248·79 - 249·86 1·07m @ 0·94

261·21 - 262·28 1·07m @ 0·58.

334-1

DIAMOND DRILL HOLE NO. 305

LOCATION:	No. 3 Orebody
CO-ORDINATES:	E 900, N 9800.
	Actual 901.94 9804.26
R.L.:	399.1 Feet 12[illegible]6 +3.3 124.9 ~ tallawoosk
DATE COMMENCED:	13th January, 1970.
DATE COMPLETED:	9th February, 1970
FINAL DEPTH:	1125 Feet
DATE SURVEYED:	10th February, 1970.
LOGGED BY:	P. Kitto.



GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL LOG DRILL HOLE No. 305

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo	UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
	0	40	0	0				No Core	
	40	57	17	8"				Tumbled stones of desilicified extremely weathered siliceous rock.	
	57	65	8	7				Extremely weathered white coloured rock white clayey silicified quartzite.	
	65	77.5	12.5	12.5				Quartzite - light medium grey, spotted and mottled. Jointing at high angle to long axis of core prominant. Some pyrite filled.	
A1161	77.5	79.5	2	2	0.03	0.27		Aplite - extremely weathered, very high	
A1162	79.5	81.5	2	2	0.03	0.07		molybdenum content.	
	81.5	817.0	735.5	731.98				Quartzite - light to medium grey, tough siliceous rock, relatively homogeneous some mottling and banding. Pyrite filled joints. Partially weathered, highly cleaved section 96' - 108'. Becomes well crystallised at approx. 182'. Sporadic disseminated pyrite. Several directions of jointing. Some incipient ?cleavage. 305' - 308' gashes filled with pyrite. Very slightly less indurated or silicified from 310'. Joint faces covered with green clay and pyrite. Some highly silicified argillaceous bands from approx. 308'. Pyrite lineated (?parrallel to incipient bedding) and transgressive as veins. Badly broken section 243' - 245', fractured and jointed, clay filled, silicified both partially and wholly argillaceous material in beds (1-2") and blebs increasing. Some muscovite present. 8" clay and lighter phase at 366'. 8" quartz-biotite band at 374'. 6" brecciated section at 584' followed by 6" quartz band. 4" shale bed at 389'. 5" quartz band at 386', 2" quartz-biotite band at 390'. 8" remobilised zone at 404'. Spotted quartzite from 486' - 489.5'. Small quartz vein at 404.5'. Slightly pyritic 412' - 419' with some silicified shale pieces. Piece of shale at 422'. Small quartz vein at 429'. 9" shale breccia section at 435'.	

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL LOG DRILL HOLE No. 305

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo	UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
								Shale piece at 438.75'. Small quartz-pyroxene vein at 443.5'. Shale bands at 449.5', 450.5', 454.5', 461', 461.5' and 466'. Small shale breccia patch with pyrite at 455.5'. Small remobilised section at 466.75'. Shale bands at 469.6' and 451.25. 2" breccia zone with chlorite matrix at 474.5', Small quartz vein at 478'. Small shale slump structure at 480'. Quartz-calcite (3") vein at 485.5'. Small quartz vein (1") at 489'3" shale band at 492'. Pyritic zone at 498'. 1' lighter quartz band, with varieties of quartz at 518.25'. Some of material ? silicified argillaceous material. From 520' relatively crystallised with disseminated pyrite, some silicified argillaceous bands. Pyrite filled joints fractures and along incipient bedding planes. 3" light coloured siliceous vein at 578' and 2" vein at 579'. Pyrite associated with silicified argillaceous bands. Banded variety between 597' and 612'. Some shale bands at 615.5' and 616'. 6" disturbed shale section at 630.5'. From 634' richer in shale. 10" shale band at 637.5', 3" shale band at 648.75'. Spotted and banded variety from662' to 669'. 1.5' of spotted variety with pyrite, at 676.8'. Pyrite zone from 691.75' to 695'. Quartzite becoming coarser grained less silicification, more argillaceous minerals, especially muscovite, pyrite ubiquitous. Marked increase in minerals of the chloritic variety, still lightly siliceous. Small evidence of disturbed shale bands. Back to more normal variety of quartzite at 754'.	
	249.0 817	841.5	25	24.80					
A1256	841.5	843.5	2	2	0.06	0.011		PYROXENE HORNFELS - predominantly pyroxene hornfels slumped and remobilised, some garnet bands at 832.5'.	
	251.0								
A1246	843.5	845.5	2	1.8	0.23	<0.01		GARNET-PYROXENE HORNFELS - large patches of garnet with coarse pyroxene crystals. Some calcite.	
A1247	845.5	847.5	2	2	0.17	<0.01			
A1248	847.5	849.5	2	2	0.29	<0.01			
A1249	849.5	851.0	1.5	1.33	0.86	<0.01			

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL LOG DRILL HOLE No.

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS		UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
	851	852	2	2			PYROXENE HORNFELS	PYROXENE HORNFELS - partially disturbed.	
	852	856.3	4.3	4.2				BIOTITE-PYROXENE HORNFELS - fairly dense as if silicified. Garnetiferous band at 853.2'.	
	856.3	857.55	1.25	1.25				QUARTZITE - light grey aphanitic siliceous rock.	
	857.55	874	16.45	15.83				PYROXENE-BIOTITE HORNFELS - green very finely banded rock, abundant slump and remobilisation structure encluding bedding (insipient remanant) parallel to long axis of core.	
A1257	874	876.0	2	2	0.07	<0.01		GARNET PYROXENE HORNFELS - predominantly garnet.	
A1255	876.0	878	2.0	2.2	0.06	<0.01		PYROXENE HORNFELS	
A1254	878	880.2	2.2	2.2	0.04	<0.01			
A1250	880.2	882.2	2	2	0.14	<0.01		GARNET/PYROXENE/CALCITE HORNFELS	
A1251	882.2	884.8	2.6	2.4	0.08	<0.01			
	2690.7								
A1252	884.8	887.9	3.1	2.4	0.01	<0.01		CALCITE HORNFELS	
A1253	887.9	890.65	2.75	2.75	0.42	<0.01		Biotite-Calcite Pyroxene Hornfels	
A1258	890.65	892.65	2	2	0.04	<0.01		CALCITE HORNFELS - bands of calcite 2"- 6" wide usually with garnet rims, in between bands of pyroxene.	
A1259	892.65	894.65	2	2	0.04	<0.01			
	894.65	898.0	3.35	3.33					
		2737							
	898	899.8	1.8	1.8				APLITE, medium grained granitic material with hornblende and biotite.	
	899.8	911.0	11.0	11.0				Calcite/Pyroxene Garnet Hornfels - predominantly calcite bands rimmed by garnet with some bands of garnet in them. In between calcite bands, bands of pyroxene hornfels.	
		2777							
	911.0	913.5	2.5	2.5					
A1260	913.5	915.5	2	2	0.02	<0.01		PYROXENE-CALCITE HORNFELS - bands of pyroxene with relatively large bands of calcite which usually have garnet on edges.	
A1261	915.5	917.5	2	2	0.32	<0.01			
A1262	917.5	919.5	2	2	0.06	<0.01			
	919.5	922.7	3.50	3.15					

SAMPLE No.	FROM	TO	LENGTH SAMPLED	CORE RECOVERY	ASSAYS WO_3	ASSAYS Mo	STRUCTURAL DESCRIPTION	FRACTURING
	922.7	926.5	3.8	3.8			PYROXENE HORNFELS - predominantly dark green massive rock with some bands of biotite.	
	926.5	951	24.5	22.75			BIOTITE HORNFELS - biotite rich rock with alternating lighter and darker bands.	
	951	956.5	5.5	5.7			PYROXENE/BIOTITE HORNFELS - green pyroxene rock with biotite bands.	
A1263	956.5	959.25	2.75	2.75	0.10	<0.01	PYROXENE HORNFELS - mainly pyroxene with some bands of biotite and garnet. Coarse grained section at 958.25', contains scheelite.	
	959.25	964.5	5.25	5.0			BIOTITE/PYROXENE HORNFELS, banded pyroxene and biotite rock.	
	964.5	976.75	12.25	12.0			PYROXENE/BIOTITE HORNFELS - mainly pyroxene hornfels with variable thickness bands of biotite hornfels.	
	976.75	978.0	1.25	1.25			BIOTITE HORNFELS	
	978.0	1003.5	26.5	26.5			BIOTITE/PYROXENE HORNFELS - 3" band of coarse pyroxene with calcite at 994', few spots of scheelite. 2" garnet-pyroxene band at 999.5', minute spots of blue and yellow scheelite, altered from 1000', staining of iron and alteration like weathering.	
	1003	1034.5	31	31			Altered biotite hornfels - non-discriptive biotite-quartz rocks, altered, weathered looking Badly broken.	
	1034.5	1045.5	11	10.80			PYROXENE HORNFELS - badly altered, stained ? partially recrystallised. Coarse grained pyroxene.	
	1045.5	1062.5	17	16			Intermix zone - granitised hornfels, almost totally replaced by varieties of granitic material from siliceous leucocratic type to melacractic high biotite content type. Some haematite staining.	
	1062.5	1065.5	3	3			Silicified Biotite Hornfels - extremely hard dark finely grained - aphanitic biotite rock which has been silicified. Strongly jointed.	

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL

DRILL HOLE No. 305

SAMPLES No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS	DIP	GEOLOGICAL DESCRIPTION	FRACTURING
	1065.5	1125.0	50.50	49.80			GRANITE - coarse grained feldspar rich granite, high mafic content, extremely altered in part, sections of predominant green colouration. Preponderance of haematite staining. Core recovery only to 116'. Recovery very bad, no core, just rubble. Hole abandoned at 1125', 60' in granite because rods jammed. Freed later.	F c altered.
	3246							

DIAMOND DRILL HOLE SUMMARY

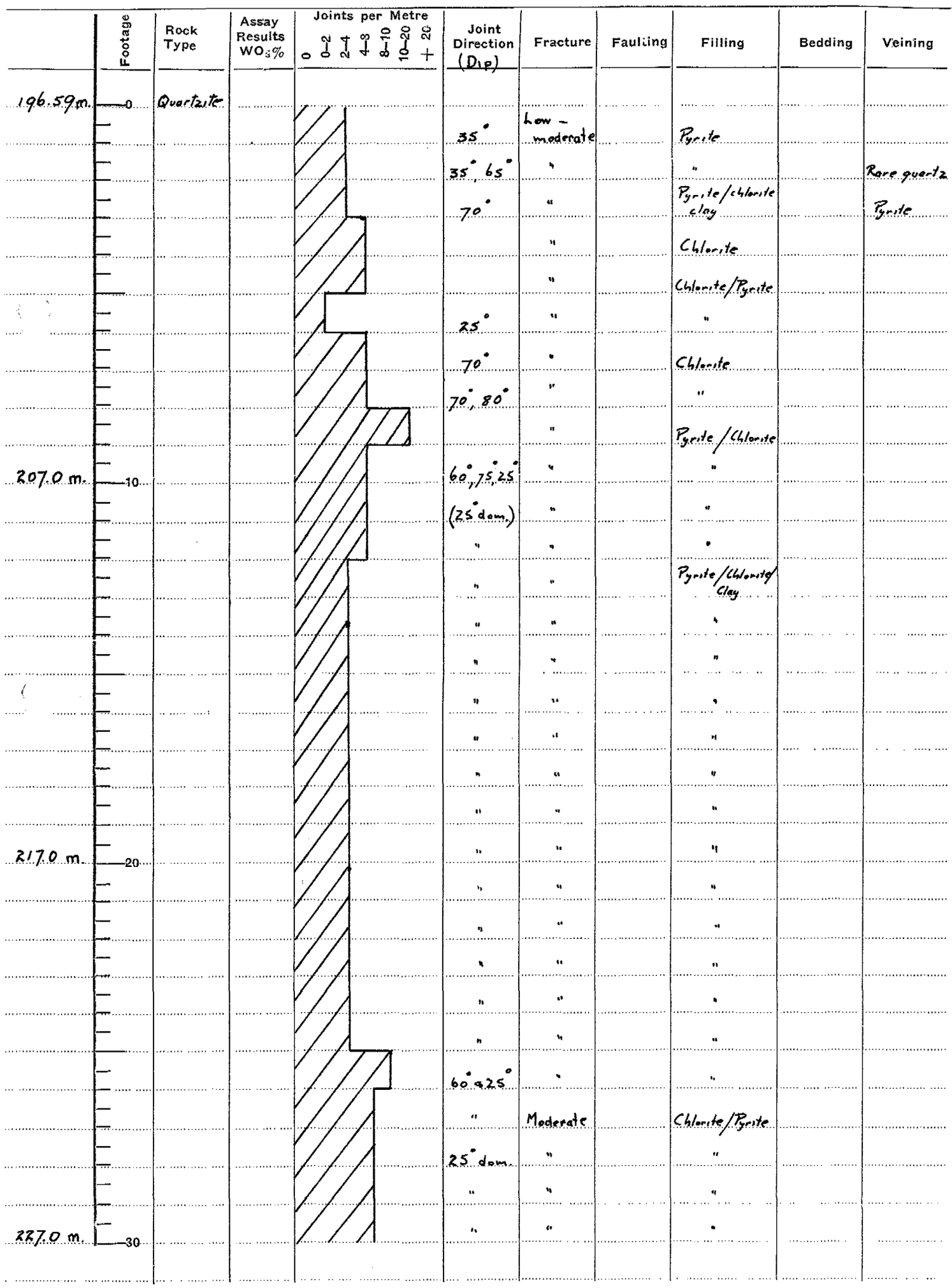
D.D.H. 305 FINAL DEPTH 342.9 m.

CO-ORDINATES E 901.94 N 9804.26 RELATIVE LEVEL 121.6 m.

DATE COMMENCED 13/1/70 DATE COMPLETED 9/2/70

DATE SURVEYED 10/2/70

LOCALITY: No 3 OREBODY


Footage
Rock Type
Assay Results WO3%
Joints per Metre
0 0–2 2–4 4–8 8–10 10–20 + 20
Joint Direction (Dip)
Fracture
Faulting
Filling
Bedding
Veining
196.59m.
0
Quartzite
35°
Low – moderate
Pyrite
35°, 65°
"
"
Rare quartz
70°
"
Pyrite/chlorite clay
Pyrite
"
Chlorite
"
Chlorite/Pyrite
25°
"
"
70°
"
Chlorite
70°, 80°
"
"
"
Pyrite/Chlorite
207.0 m.
10
60°, 75°, 25°
"
"
(25° dom.)
"
"
"
"
Pyrite/Chlorite/Clay
"
"
"
"

DIAMOND DRILL HOLE SUMMARY

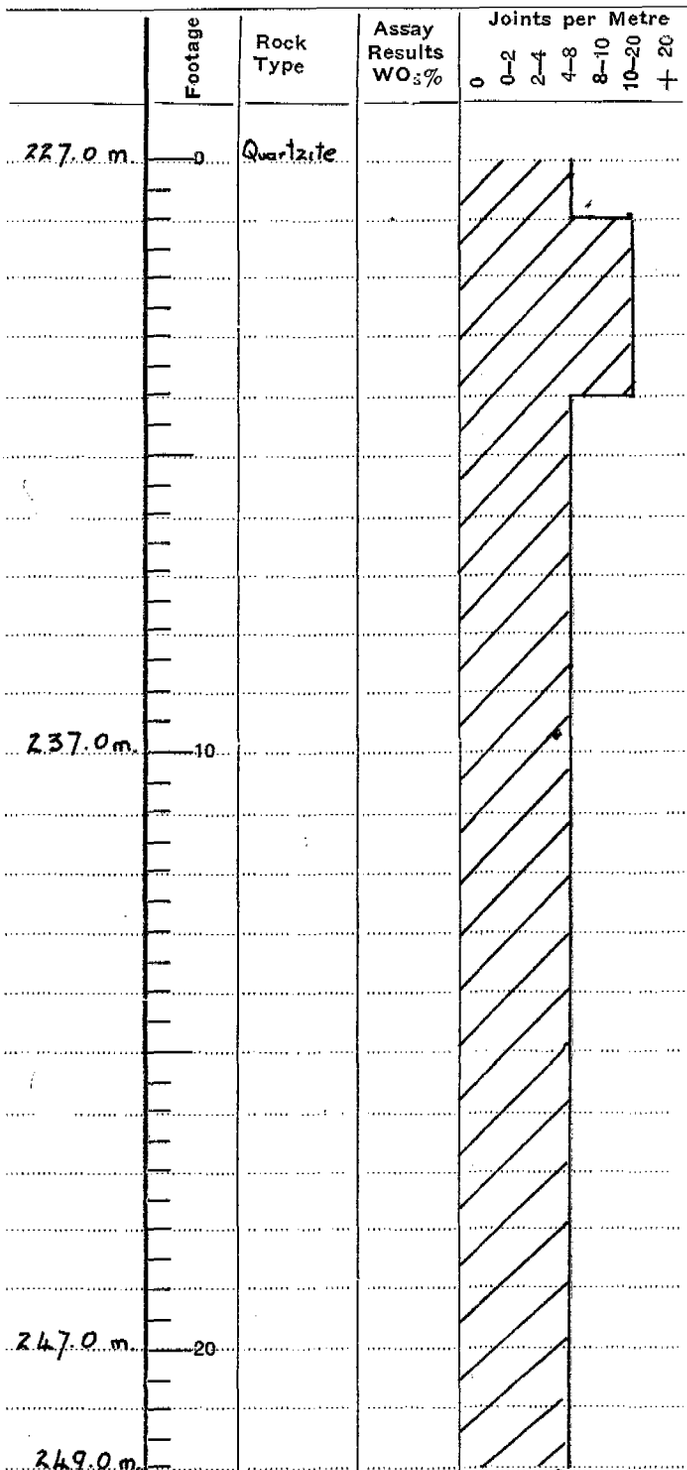
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DATE COMMENCED 13/1/70 DATE COMPLETED 9/2/70

DATE SURVEYED 10/2/70

LOCALITY: N° 3 OREBODY



Footage	Rock Type	Assay Results WO_3%	Joints per Metre (0 / 0–2 / 2–4 / 4–8 / 8–10 / 10–20 / + 20)	Joint Direction (Dip)	Fracture	Faulting	Filling	Bedding	Veining
227.0 m. 0	Quartzite			60°, 25°	Moderate		Chlorite/Pyrite Clay		
				(25° dom.)	"		"		
				"	"		"		
				"	"		"		
				"	"		"		
				"	"		"		
				"	"		"		
				"	"		"		
				25°, 45°, 60°	"		"		
237.0 m. 10				(25° dom.)	"		"		
				"	"		"		
				40°, 70°	"		"		
				25°	"		Chlorite/Pyrite		
				(40° dom.)	"		"		
				"	"		"		
				"	"		Chlorite/Pyrite Clay		
				65° dom.	"		"		
				"	"		"		
				"	"		"		
247.0 m. 20				"	"		"		
				"	"		"		
249.0 m.				"	"		"		
	Pyroxene Hornfels					Faulted contact			
30									

DIAMOND DRILL HOLE ASSAY SHEET

HOLE No. 305

LOGGED BY P. Kitto

Sample No.	FOOTAGES From	To	Length	ASSAY WO_3	Mo	L X A	REMARKS
A1161	77.5 (236)	79.5	2	0.03	0.27	0.54	4' at 0.17% Mo
A1162	79.5 (244.2)	81.5 (24.8)	2	0.03	0.07	0.14	
A1256	841.5 (256.5)	843.5	2	0.06	0.011		
A1246	843.5 (257.1)	845.5	2	0.23	(0.01		
A1247	845.5 (257.7)	847.5	2	0.17	(0.01		
A1248	847.5 (258.3)	849.5	2	0.29	(0.01	0.58	4' at
A1249	849.5 (258.9)	851.0 (259.4)	1.5	0.86	(0.01	1.29	0.47% WO_3
A1257	874 (266.4)	876	2	0.07	(0.01		
A1258	876 (267.0)	878	2	0.06	(0.01		
A1254	878 (267.6)	880.2	2.2	0.04	(0.01		
A1250	880.2 (268.3)	882.2	2	0.14	(0.01		
A1251	882.2 (268.9)	884.8	2.6	0.08	(0.01		
A1252	884.8 (269.7)	887.9	3.1	0.01	(0.01		
A1253	887.9 (270.6)	890.65	2.75	0.42	(0.01		
A1258	890.65 (271.5)	892.65	2	0.04	(0.01		
A1259	892.65 (272.1)	894.65 (272.7)	2	0.04	(0.01		
A1260	913.5 (278.4)	915.5	2	0.02	(0.01		
A1261	915.5 (279.0)	917.5	2	0.32	(0.01		
A1262	917.5 (279.6)	919.5 (280.3)	2	0.06	(0.01		
A1263	956.5 (291.5)	959.5 (292.4)	2.75	0.10	(0.01		

DDH 305

Major fracture 780' (239.6 m)

Fault 816' (248.7 m) - Boundary Fault?

Fault 826' (249.9 m)

Incompetent ground 888' (270.7 m)

Possible Fault 1002' (305.4 m)

DDH 305 T.D. 1125' Casing 74 Surveyed 10-2-1970

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

1	2	3	4	5	6	7	8	9	10	11	12
Depth	Course Length	Drift Angle	Cosine Sine	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine	Contangent Tangent	Deflection
100	100	15'	1.0000 .0044	.0044	100	100	0.44	S1E 179	.9998 .0175	0.175	.44
200	100	30'	1.0000 .0087	.0087	100	200	.87	S58W 230	.6428 .7660	8391	1.31
300	100	1 15'	.9998 .0218	.0218	99.98	299.98 91.43	2.18	N40W 320	.7660 .6428	8391	3.49
400	100	2 30'	.9990 .0436	.0437	99.90	399.88 121.88	4.36	N35W 325	.8192 .5736	7002	7.85
500	100	4 45	.9966 .0818	.0831	99.66	499.54 152.25	8.28	N39W 321	.7771 .6293	8098	16.13
600	100	6 30	.9936 .1134	.1135	99.36	598.90 182.5	11.34	N43W 317	.7314 .6820	.9325	27.45
700	100	8	.9903 .1394	.1405	99.03	697.93 212.72	13.92	N46W 314	.6947 .7193	.9657	41.37
800	100	9	.9877 .1564	.1584	98.77	796.70 242.83	15.64	N55W 305	.5736 .8192	.7002	57.01
900	100	10	.9848 .1736	.1763	98.48	895.18 272.85	17.36	N58W 302	.5299 .8480	.6249	74.37
1000	100	10	.9848 .1736	.1763	98.48	993.66 302.86	17.36	N62W 298	.4695 .8829	.5317	91.73
1100	100	10 30	.9833 .1826	.1853	98.33	1091.99 332.84	18.22	N59W 301	.5150 .8572	.6009	109.95
*											18.22
1000	100	10	.9848 .1736	.1763	98.48	993.69	17.36	N62W	.4695 .8829	.5317	35.58
900	100	9 45	.9856 .1693	.1718	98.56	895.21	16.93	N58W	.5299 .8480	.6249	52.57
800	100	9	.9877 .1564	.1584	98.77	796.65	15.64	N54W	.5878 .8090	.7265	68.15
700	100	8	.9903 .1394	.1405	99.02	697.88	13.92	N46W	.6947 .7193	.9657	82.47
600	100	6 20	.9936 .1134	.1139	99.36	598.85	11.32	N40W	.7660 .6428	.8391	93.57
500	100	5	.9962 .0874	.0875	99.62	499.49	8.72	N39W	.7771 .6293	.8098	101.11
400	100	2 30	.9990 .0436	.0437	99.90	399.87	4.36	N39W	.7771 .6293	.8098	106.47
300	100	1 15	.9998 .0218	.0218	99.98	299.97	2.18	N25W	.9063 .4226	.4663	108.45
200	100	45'	.9999 .0131	.0131	99.99	199.99	1.31	N80W	.1736 .9848	.1763	109.60
100		0	1.0000 .0000	.0000	100	100	0	0			

EASTMAN MULTISHOT DRILL HOLE SURVEY

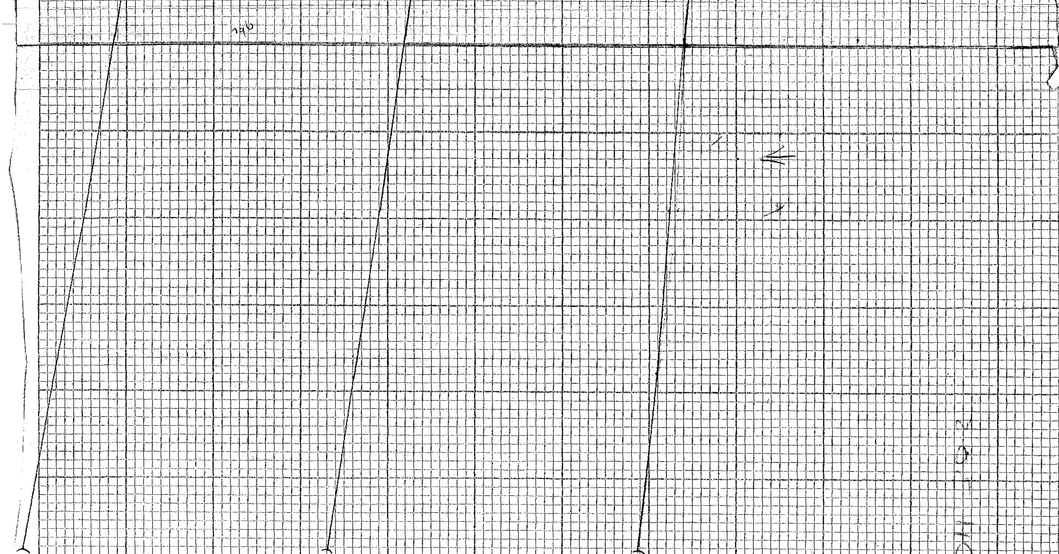
CALCULATION SHEET NO. 2

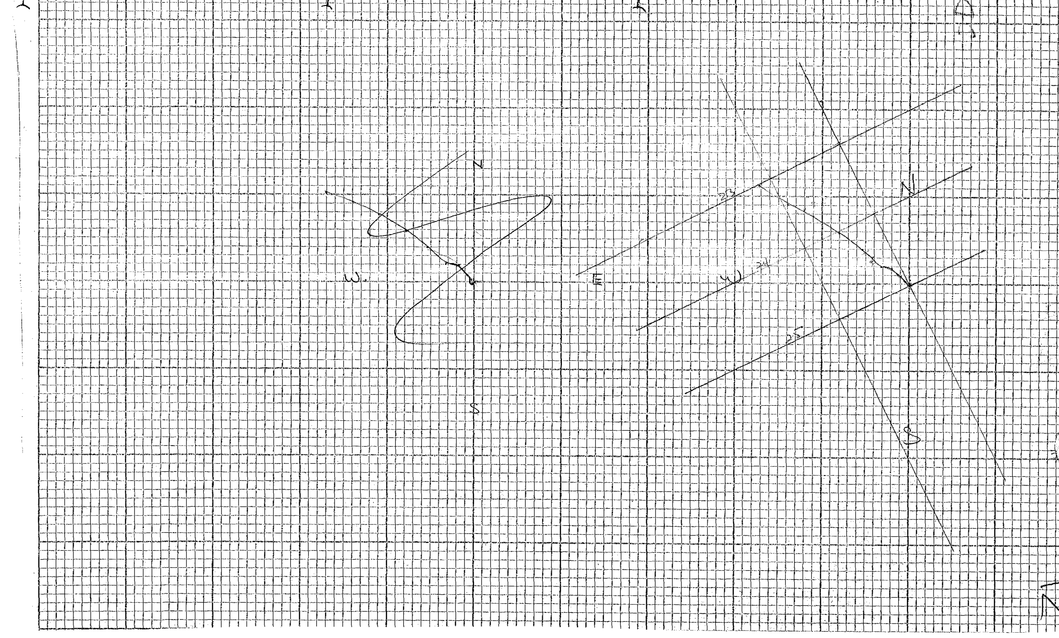
13	14			15		16	
Co-ordinate Difference				Rectangular Difference			
N	S	E	W	N	S	E	W
	.43991	0.0077			.43991 .13	.0077 0	
	.559736	0.6664 →			.999148 .30		.6587 .20
1.4698			1.4013	.670 .20			2.060 .63
3.5717			2.5009	4.142 1.29			4.56 1.39
5.4388			5.2106	10.676 3.25			9.77 3.0
7.9448			7.7707	18.955 5.78			17.49 5.33
9.6707			10.0147	28.625 9.72			27.50 8.38
11.8104			12.8153	37.596 11.46			40.31 12.29
14.1064			14.7213	46.795 14.26			55.03 16.77
15.8057			15.3277	54 46 .945 16.95			70.36 21.44
17.3883			15.6185	64 56 .328 19.60			85.98 26.20
15.8057			15.3277				
14.7711			14.3566				
12.9989			12.6538				
10.6707			10.0147				
7.6711			7.2765				
5.7089			5.4875				
3.3515			2.7437				
1.9755			0.9213				
0.7716			1.2901				

T.J. Projection.

DDH 305

W A E N N S





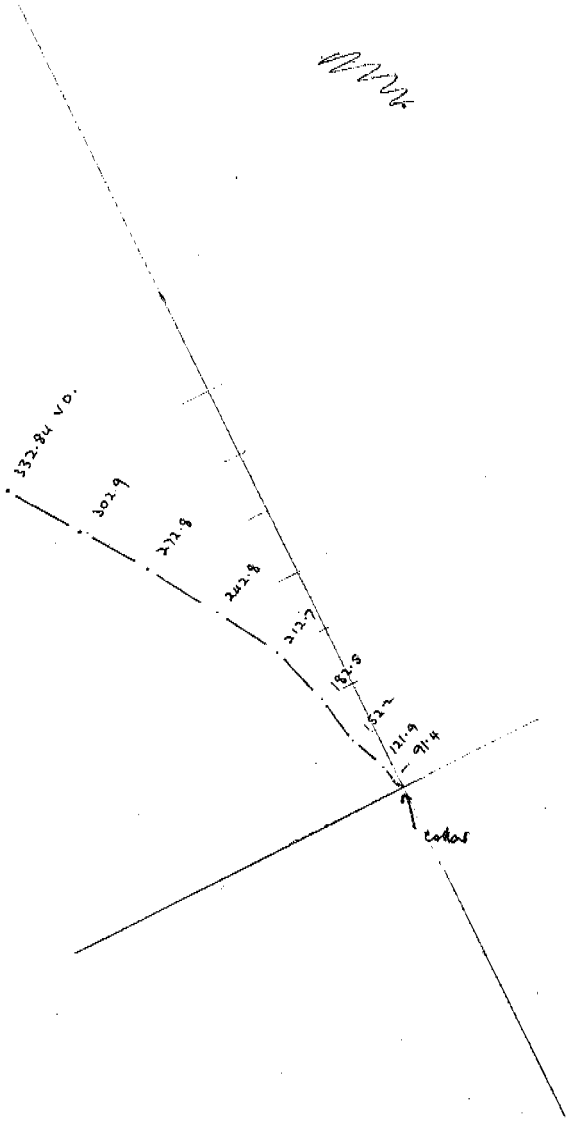
DDH 305

Scale 1:500

Plan View

total depth : 1125' 342.90 m

surveyed to : 1100' 335.28 m



No. 3 Orebody

200E, 9800N
200.28 9802.28 Actual

363.71 Feet (110.9) 3.29 114.15m

9th December, 1969

5/2/70

425 Feet (129.5)

6th December, 1969

P. Le Messurier &
P. Kitto.

312-71.

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL DRILL HOLE No. 304

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo	UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
	0	9 ~~9~~	9	0				Surface Soil and Clay	
	9	51 ~~155~~	42	20				Highly weathered rock and clay, limonitic bands, rock fragments fine light grey generally siliceous	
	51	56	5	4				Hornfels - siliceous fine light grey rock with minor chlorite and actinolite.	
	56	76	20	17				Greenschist, fine green-grey actinolite, chlorite, muscovite, quartz assemblage with minor feldspar, mineral agregates and rosettes gives mottled and spotted appearance. Very weathered in part with numerous clay bands.	
	76	82	6	6				Greenschist - mineralogy generally as above, some chlorite veins, rock generally more massive, very occasional clay bands.	
	82	221.5	139.5	127.5				Meta-Volcanics - fine grained tough dark green rock. Predominant mineralogy pyroxene and feldspar, some silicification. Some mottling in places caused by larger mafic crystals. Some joint or slip shear faces serpentinised or weathered clay minerals on them. Brecciated section with chlorite matrix 134' - 135'. More leucocratic section from 140'. Calcite filled with joint at 198' Some insipient lineation of mafic minerals at 199'6" breccia band with calcite and ? chlorite matrix ? serpentine filled joint faces predominant. 1" breccia section at 213.5" and 217'.	
	221.5	222	0.5'	0.5'				Quartzite - ? chert, greyey - brown highly siliceous cherty rock. Jointing orthogonal and at high angles to long axis of core. Pyrite and clay filled. $2\frac{1}{2}$" aplite vein at 221.5'.	
	222	224	2.0	1.8				Aplite - granite - fine to medium grained granitic-aplitic material. Definite bands of more mafic rich sections. Single joint down axis of core.	

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL

DRILL HOLE No. 304

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo	GEOLOGICAL DESCRIPTION	FRACTURING
	224	232,33	8.33	8.33			Quartzite - light grey highly siliceous rock jointed and fractured. Fractures filled with clinohuminite.	
	232.3	233.0	0.66	0.66			Volcanics - mafic, predominantly pyroxene, badly broken and cleaved. Abundant clay on fracture faces.	
	233	233.33	0.33	0.33			Aplite - Granite, vein of quartz, feldspar and hornblende , medium grained.	
	233.33	234.8	1.47	1.47			Chert - Quartzite, light grey with browny tinge, aphanitic siliceous rock. Fractures filled with clearer silica and chlorite. 1" granite vein at 333.8'.	
	234.8	324	89.2	90.5			Volcanics - mafic variety, dominant pyroxene content. Spotted with chlorite cyrstals and patches of slightly lighter coloured more homogeneous material. Brecciated pieces of chert at 236.5'. Calcite filled joint planes Fairly well brecciated from 245.5'. Shot through with calcite veins and as matrix to breccia 1½" quartz vein at 255'. 4" brecciated pinky -brown, chert band at 259.5'. 9" brecciated and remobilised section at 263'. Abundant axial jointing, filled with calcite and ?chlorite. Breccia at 267.5' variable size pieces of lighter coloured more homogeneous material. 1' spotted section at 288'. 6" siliceous - cherty section at 280.5'. Extremely brecciated and displays flowage from 284'. Breccia annealed by calcite. 5" calcite band at 288'. Cherty bands at 290.75' (3/4"), 294' (4") and 300.5' (3"). 3" greeny siliceous band at 314', green pyroxene volcanic with large crystal from 315'. Two 5" siliceous bands at 315.5' and 318'.	
	324 98.4	425	101.0	90.05			Granite - coarse grained biotite hornblende granite. Moderately jointed. Porphyritic in part, sections of metacratic granite. Fine grained metacratic zone from 376' - 379'6" zone at 383.5' of green adulari and feldspar. E.O.H.	

104' (31.7 m) - 166' (35.36 m) No core

133' (40.54 m) △ clinohumite

194' (59.13 m) △ clay

212' (64.62 m) △ breccia

224 - 68.3 m) 225 △ relins

240' (73.2 m) △ pug

244 (74.4 m) - 249' (75.9 m) △

260' (79.25 m) 264' (80.47 m) △

280' (85.34 m) △ pug

284' (86.56 m) 290' (88.39 m) △ cline

310' (94.49 m)

All upper volcanics

265 26.8 - 41.4 m LV

242' - 243' 6" △ in ch
(73.76m) (74.2m)

85.65 m △ at base of gh the spotted bh.

13

N

E

Projection.

N

E

S

W

NORMAN GRAPH No. 901/P2A

DDH 304 Casing 100'
Unable to T.D. 425'
Survey Jaulure due
to excessive caving

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

1	2	3	4	5	6	7	8	9	10	11	12
Depth	Course Length	Drift Angle	Cosine Sine	Cotangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine	Cotangent Tangent	Deflection
20'	20	1 15	.9998 .0218	.0218	19.996	19.996		S50W			
40'	20	1 30	.9997 .0262	.0262	19.994	39.990		S35E			
60'	20	1 15	.9998 .0218	.0218	19.996	59.986		N55E			
80'	20	1 30	.9997 .0262	.0262	19.994	79.980		S40W			
100'	20	1 30	.9997 .0262	.0262	19.994	99.974					
120	20	1 30	9997 0262	0262	19.994	119.968		S27W			
125'	5'	1 30	9997 0262	0262	~~4.9985~~ (124.9685)	124.9665 39.09	3.275	S30W	.8660 .5000	.5774	
125'	125'	1° 30	9997 0262	0262	124.9685	124.9665	~~3.275~~	S30W	.8660 .5000	.5774	3.275

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

13		14		15		16	
Co-ordinate Difference				Rectangular Difference			
N	S	E	W	N	S	E	W
	2.84		1.64				
	2.84		1.64	~~2.84~~	2.84		1.64

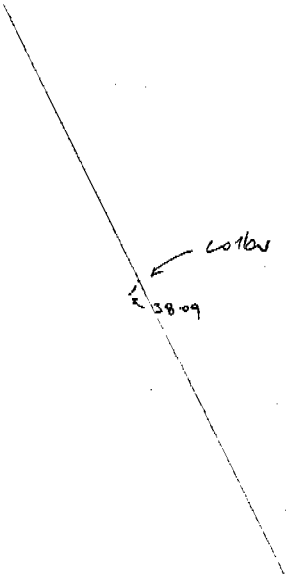
DDH 304

Scale 1:500

Plan view

total depth : 425' 129.54 m

surveyed to : 125' 38.1 m



DIAMOND DRILL HOLE NO. 303

LOCATION: No. 3 Orebody

CO-ORDINATES: 301.03E -09602.6N

R.L.: 366.3 Feet (111.6) 3.29 114.94

DATE COMMENCED: 27th February, 1970.

DATE COMPLETED: 9/4/70

FINAL DEPTH: 525 Feet (160.0)

DATE SURVEYED:

LOGGED BY: P. Le Messurier.

344.3'

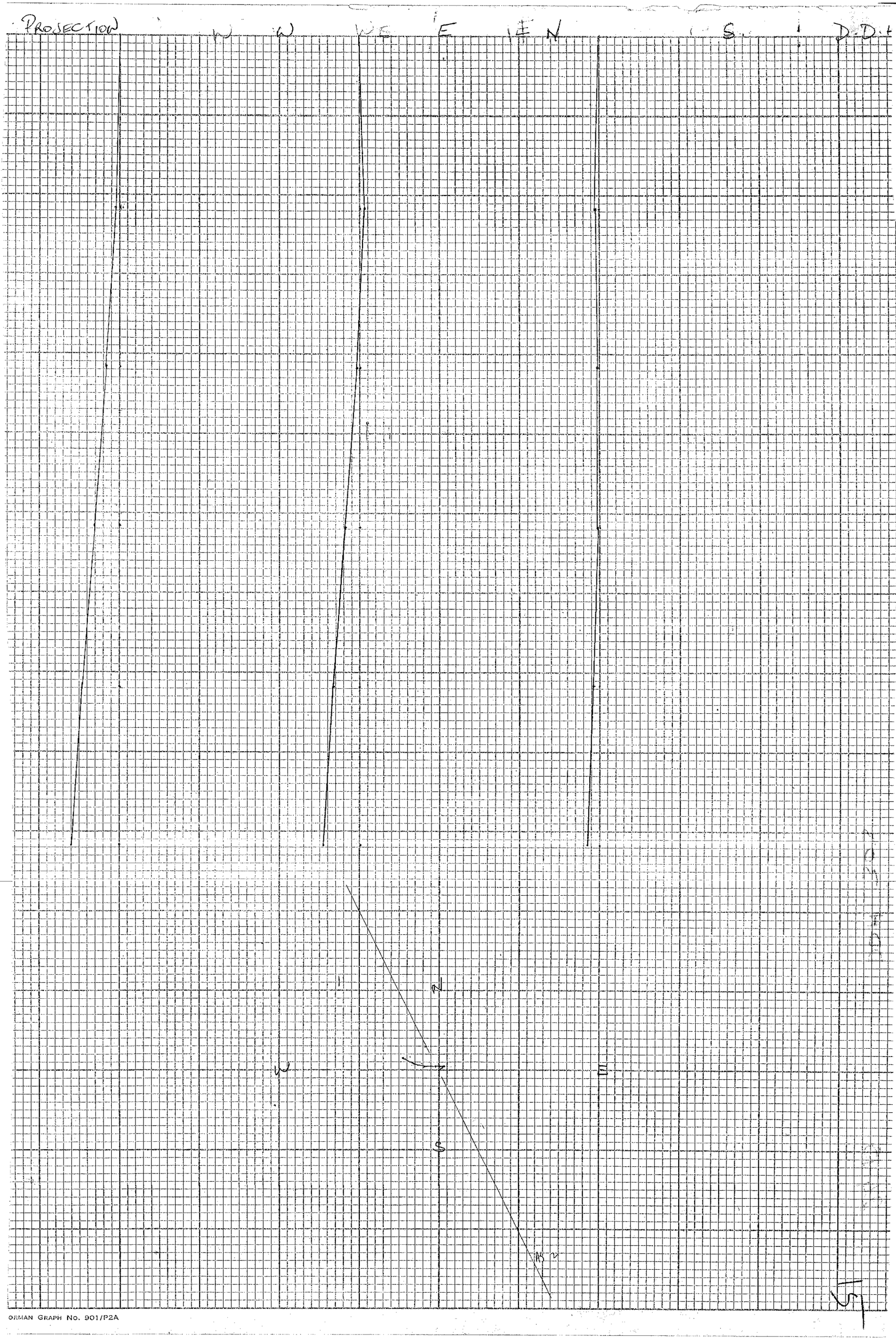
GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL LOG DRILL HOLE No. 303

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS	UNIT	GEOLOGICAL DESCRIPTION	FRACTURES
	0	22	22	-			Surface soil, clay and weathered rock.	
	22	75	53	26		META VOLCANICS 22' - 278'	VOLCANIC BRECCIA, now altered and metasomatised to actinolite, chlorite clinozoisite rock, breccia texture emphasised by weathering where groundmass more chloritic and soft, clayeyat top with numerous limonitic joints throughout, irregular clayey alteration zones associated with some joints.	
	75	111	36	30			META VOLCANICS - actinolite/chlorite hornfels, finely crystalline massive, some spotting and agregation of minerals, A number of oblique joints with associated alteration zones of chlorite kaoline and in part limonite.	
	111	153	42	35			META VOLCANICS, mid grey and green mottled, very irregular spotting of chlorite in actinolite, fledspar chlorite clinozoisite matrix abundant chloritic and serpentinous joint surfaces.	Strongly jointed and fractured - 75° 1"
	153	173	20	19			META VOLCANICS - mid-grey massive, generally more felsic and siliceous than above, percentage of chlorite low and spotting restricted to small zones.	
	173	197	24	20			META VOLCANICS - fine, generally felsic but general increase in chlorite spotting and veining. Chert zone 179' - 181'.	Strongly jointed and fractured
	197	220	23	23			META VOLCANICS - fine felsic massive, chlorite spotting restricted to joint zones. A few very clayey and altered joint zones - spaced about 1 per 4 feet.	
	220	241.5	21.5	20			META VOLCANICS - fine felsic but with numerous chloritic spots and wisps, fairly uniformly distributed throughout.	
	241.5	278	36.5	30			META VOLCANICS - strongly chloritised and serpentinised many sheared and brecciated zones - very clayey in part, irregular chloritic blebs and veins in a generally felsitic groundmass. Degree of alteration variable throughout.	Strongly fractured 90° 3"

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL LOG DRILL HOLE No. 303

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS	UNIT	GEOLOGICAL DESCRIPTION	FRACTUR
	278	294	16	2		BIOTITE HORNFELS 278' - 332.5' 84.7	BIOTITE HORNFELS - very fine massive, altered and fractured, chloritic and sheared serpentinised bands. 6" aplite vein.	
	294	307	13	12.5			BIOTITE HORNFELS - fine grained massive.	
	307	313	6	6			BIOTITE/PYROXENE HORNFELS, mottled irregularly and intermixed, pyroxene slightly in abundance.	
	313	329.3	16.3	16			BIOTITE HORNFELS - banded with some pyroxene rich bands, a number of thin granitic veins to 6".	
	329.3	331	1.7	1.7			GRANITE - medium to coarse grained, lower boundary very fluid and intrusive.	
	331	332.5	1.5	1.5			BIOTITE HORNFELS - fine grained massive.	
	332.5	344	11.5	11		GRANITE 332.5 - 344 101.3 104.8	GRANITE - medium to coarse grained somewhat porphyritic in part, some irregular inclusions of fine grained hornfels, aplite band and some fine mafic rich bands. Both contacts show evidence of mobility and intrusion.	
	344	412.5	68.5	67		BIOTITE PYROXENE HORNFELS 344 - 412.5	BIOTITE PYROXENE HORNFELS - fine grained well banded, pyroxene bands tend to be irregular and lenticular with some garnet and minor scheelite and pyrite. Several granitic bands to 6". This granite shows considerable alteration with chlorite, epidote common. The basal 4 feet of the unit shows strong recrystallisation with pyroxene and biotite forming a granular massive rock.	
	412.5	525	112.5	112		GRANITE 412.5 - 525' 125.7	GRANITE - coarse grained porphyritic granite, adamellite. Porphyritic orthoclase to 2" but generally about 1". Some slight variations in composition throughout with some large section low in orthoclase. Small fine grained mafic zones and blebs.	

PROJECTION W W WE E EN S D.D.



#DDH 303
casing 114'
T.D. 525

Surveyed 9/4/70

this is measured drill within casing.

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

1	2	3	4	5	6	7	8	9	10	11	12
Depth	Course Length	Drift Angle	Cosine Sine	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine	Contangent Tangent	Deflection
110	110	1° 45'	.9995 .0305	.0306	109.95 33.51	109.95	3.355	N 60°E	.5000 .8660	.5774	3.35
210	100	3°	.9986 .0523	.0524	99.86	209.81 63.95	5.23	S 87°W.	.0523 .9986	.0524	8.58
310	100	4° 00'	.9976 .0698	.0699	99.76	309.57 94.36	6.98	W. (270°)	.0000 1.0000	.0000	15.56
410	100	4° 05'	.9973 .0741	.0743	99.73	409.30 124.75	7.41	N 69°W.	.3584 .9336	.3839	22.97
510	100	4° 15'	.9973 .0741	.0743	99.73	509.03 155.14	7.41	N 60°W	.5000 .8660	.5774	30.38
											7.41
410	100	4° 15'	.9973 .0741	.0743	99.73	409.30	7.41	N 41°W	.3256 .9455	.3443	~~22.97~~ 14.82
310	100	4° 00'	.9976 .0698	.0699	99.76	309.54	6.98	S 77°W	.2250 .9744	.2309	~~45.49~~ 21.80
210	100	3°	.9986 .0523	.0524	99.86	209.68	5.23	S 85 W	.0872 .9962	.0875	~~60.76~~ 27.03
110	100	1° 50'	.9995 .0305	.0306	99.95	109.73	3.05	S 33 W	.8387 .5446	.6494	30.53
110		1° 45'	.9995 .0305			109.95	3.355	Assume 267 S 87° W	.0523 .9986		
210		3°	.9986 .0523			209.81	5.23	S 87° W 267	.0523 .9986		
310		4°	.9976 .0699			309.57	6.98	W 270	.0000 1.0000		
410		4° 15'	.9973 .0741			409.30	7.41	N 69° W 291	.3584 .9336		
510		4° 15	.9973 .0741			509.03	7.41	N 60 W 300	.5000 .8660		

N - S. (course dev. * cosine)
E W (N 60 E'' x sine)

16

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

13		14		15		16	
Co-ordinate Difference				Rectangular Difference			
N	S	E	W	N	S	E	W
1.6775		2.905		1.6775 .51		2.905 .68	
	0.2735		5.2227	1.4040 0.43			2.3177 .71
	0.000		6.9800	1.4040 0.43			9.2977 2.8
2.6557			6.9180	4.0547 1.23			16.2157 4.94
3.705			6.8215	7.7647 2.4			22.6372 6.90
~~[redacted]~~							
2.812			7.0062				
	1.5705		6.8013				
	0.4560		5.2101				
	2.558		1.6610				
~~[redacted]~~	.175		3.35	~~.175~~	.175 0		3.35 1.02
~~[redacted]~~	.273		5.22	~~.448~~	.448 .14		8.57 2.61
-			6.98	~~1.448~~	.448 .14		15.55 4.70
2.655			6.92	2.207 .67	~~.448~~		22.47 6.85
3.90			6.417	7.40 2.25			28.89 8.81

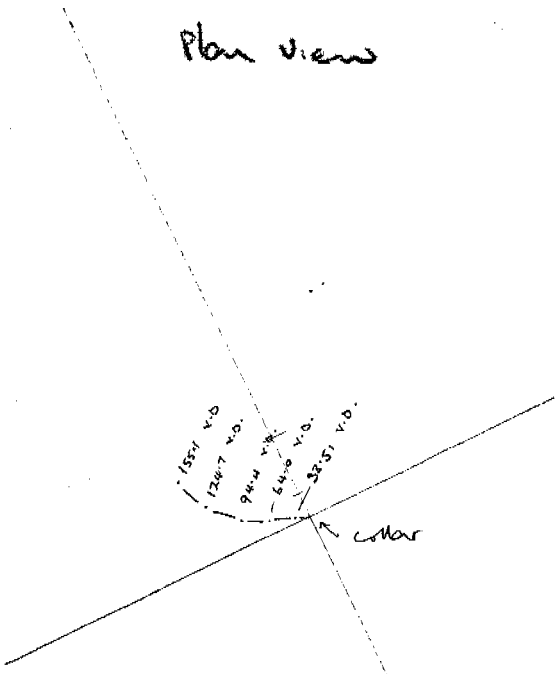
DDH 303

Scale 1:500

Plan View

Total depth : 525' 160.02 m

Surveyed to : 510' 155.45 m



DIAMOND DRILL HOLE NO. 301

LOCATION:	No. 3 Orebody
CO-ORDINATES:	309.8E, 9799.66N
R.L.:	369.4 Feet (112.6) 115.8 m 3.29
DATE COMMENCED:	13th February, 1970
DATE COMPLETED:	6/3/70
FINAL DEPTH:	575 Feet (175.3)
DATE SURVEYED:	
LOGGED BY:	P. Le Messurier.

294.4

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL LOG DRILL HOLE No. 301

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS	UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
	0	14	14	0			No Core - surface soil, clay and fine rubble	
	14	70	56	38		METAVOLCANICS 14' - 185' 4.7 8.3	METAVOLCANICS - strongly weathered in part, generally clay and porous but essentially solid. Many diomite coated joints.	Well jointed & fractured
	70	97	27	25			METAVOLCANICS - generally more compact and harder than above unit, limonite joints prominant weathering closely related to incidence of joints.	Strongly jointed in part.
	97	130	33	32			METAVOLCANICS - massive grey and green mottled rock with abundant chlorite in irregular masses, diffuse lighter zones of original feldspathic rock type. Clayey joints present at top decreasing towards base of unit.	
	130	185	55	50			METAVOLCANICS - massive grey and green mottled rock with rudimentary banding in part, actinolite, muscovite chlorite in a feldspathic groundmass. Sporadic disseminated sulphide, (pyrite and pyrrhotite.) Kaolinisation and epidotisation associated with major joints, particularly near base of unit.	
	185	195.5	10.5	10.0		BIOTITE HORNFELS 185' - 213' 6.9	BIOTITE HORNFELS - very fine grained, dark even textured rock with abundant biotite, very poor banding in part.	
	195.5 59%	198 60.3	2.5	2.5			APLITE, medium to coarse grained with porphyritic orthoclase, pegmatitic in part, mafic minerals relatively abundant. Upper contact altered and broken, lower contact sharp and clear. 45° to L.C.A.	
	198	202	4	3			BIOTITE HORNFELS, very broken with chloritic and talcose joints.	
	202 61.6	203.5 62.0	1.5	1.5			APLITE - pegmatitic at top grading to fine orthoclase rich at base.	
	203.5	213	9.5	9			BIOTITE HORNFELS - fine grained less uniform than above irregular pyroxene rich sections.	
	213	235.5	22.5	21			BIOTITE/AMPHIBOLE/FELDSPAR, quartz rock,	

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL LOG DRILL HOLE No. 301

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS	UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
							medium grained crystalline hornfelsic texture, many feldspar laths and needle like amphiboles in a silica biotite rock. Many irregular lighter coloured spots and blebs grading to bands in part. Contact with underlying unit very sharp.	
	235.5	251.5	16	14.5			BIOTITE HORNFELS, very fine poorly banded in part, strongly altered towards base.	
	251.5 766	255 77.7	3.5	3			APLITE, coarse grained, very altered, clayey	
	255	265	10	10		?	, mottled siliceous rock, possibly felsitic volcanic, very altered in part.	
	265 80.8	279 85.0	14	14			METAVOLCANICS - chloritic, strongly altered, clayey in part, many slickensided chloritic and serpentinised joints.	
	279	296 90.2	17	16			BIOTITE HORNFELS - poorly banded fine grained. Aplite veins - 280' - 280.5' 281' - 281.5' 282' - 283'	
	296	304 92.6	8	8			METAVOLCANICS - altered chloritic actinolite in part.	
	304	318.5 97.1	14.5	14		B	BIOTITE HORNFELS, well banded with irregular bands of pyroxene and garnet hornfels.	
	318.5	320 97.5	1.5	1.5			APLITE, variable grainsize, very fine to coarse.	
	320	333	13	13			PYROXENE BIOTITE HORNFELS - well banded with a number of calcite and garnet bands with some minor scheelite. Many talcose and carbonate veins	Strongly fractured
	333	340	7	7		METAVOLCANICS 333' - 397' 101.5 121.0	METAVOLCANICS -Biotite/Pyroxene, Feldspar hornfels - massive medium grained slightly finer and somewhat chloritic at top.	
	340	342.5	2.5	2.5			Aplite - medium grained - mafic.	
	342.5	360	17.5	17			METAVOLCANICS - green grey, medium grained	

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL LOG DRILL HOLE No. 301

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo	UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
								massive, a number of elacitic and chloritic veins generally increasing in size and frequency towards base.	
	360	363	3	2.5				BRECCIA ZONE - numerous with volcanic fragments to 1" but generally less than ½" in groundmass of finer fragments cemented by carbonate.	F'
	363	397	34	34				METAVOLCANICS - massive relatively even grain size - remnant texture well preserved in part. Calcitic and in part chloritic veins.	
	397	420.5	23.5	23.5			GRANITE 397' - 420.5' 121.0 128.V	GRANITE, medium to coarse grained porphyritic orthoclase granite. Several fine aplitic veins, upper margin very clear and distinct, lower margin shows evidence of assimilation for about 3' into granite. Veins and of well crystalline clinohumite 408' - 414'	
A1541	420.5 128.V	422	1.5	1.5	2.5	0.059	B LENS HORIZON 420.5' - 472.5'	SKARN, pyroxene rich, fine to medium grain-	
A1542	422	424	2	2	1.15	0.027		size, poorly banded in part, irregular garnet-	
A1543	424	426	2	2	0.32	0.015		iferous zones, calcite blebs and irregular	
A1544	426	428	2	2	0.79	0.027		patches. Disseminated fine to medium	
A1545	428	430	2	2	0.43	0.027		grained scheelite.	
A1546	430	432	2	2	0.59	0.036			
A1547	432	434	2	2	0.56	0.032			
A1548	434	435	1	1	0.25	(0.01			
A1549	435 132.6	439	4	4	0.05	(0.01		RECYRSTALLISED LIMESTONE, light grey massive,	
A1550	439	443	4	4	0.08	(0.01		poor banding in part - irregular zones of	
A1551	443	445	2	2	0.25	(0.01		pyroxene and garnet alteration. Some con-	
A1552	445	447	2	2	0.06	(0.01		taining scheelite, irregular calcite and	
A1573	447	449	2	2	0.06	(0.01		carbonate veins and irregular small dyke	
A1574	449	451	2	2	0.11	-		like features.	
A1575	451 137.5	453	2	2	0.11	0.01		SKARN, pyroxene rich - irregular limestone	
A1576	453	455	2	2	0.23	0.022		frondsm minor garnet and calcite, coarse	
A1577	455	457	2	2	0.45	0.018		scheelite.	
A1578	457 139.3	459	2	2	0.05	(0.01		LIMESTONE, recrystallised, poorly banded	
A1579	459	461	2	2	0.02	(0.01		irregular pyroxene and garnet	
A1580	461	462.5	1.5	1.5	0.14	(0.01		disseminated scheelite.	
A1581	462.5 141.0	464	1.5	1.5	0.79	0.016		SKARN, pyroxene, rich, minor calcite and	

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL LOG DRILL HOLE No. 301

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo	UNIT	GEOLOGICAL DESCRIPTION	FRACT
A1582	464 ~~142.3~~	466	2	2	0.06			garnet, disseminated coarse scheelite.	
A1583	466	467	1	1	0.08	(0.01			
A1584	467 ~~142.3~~	469	2	2	0.06			SKARN, pyroxene rich, showing strong evidence	
	469	472.5	3.5	3.5				of assimilation and alteration with granite,	
								irregular areas of granitic texture and com-	
								position.	
	~~144.0~~								
	472.5	575	102.5					GRANITE, medium to coarse grained, porphyritic	
								orthoclase granite. Upper banding rather	
								diffuse and upper 3 to 4 feet shows evidence	
								of assimilation of pyroxene rich skarn, a few	
								aplitic veins to 2" and very rare areas of	
								more basic and finer grained composition.	
								From 565' - 575', general zone of slight	
								heamatite alteration veins and	
								of clinohumite common.	
								HOLE COMPLETED 575'	

DIAMOND DRILL HOLE 301

Logged by P. Le Messurier

	SECTION From	To	Length	ASSAY WO_3	Mo	R.R.	REMARKS
A1541	420.5 128.2	422	1.5	2.5	0.059	3.75	B Lens
2	422 128.6	424	2 (1.73)	1.15	0.027	2.30	14' at 0.80%
3	424 129.2	426	2	0.32	0.015	0.64	WO_3
4	426 129.8	428	2 (.55)	0.79	0.027	1.58	
5	428 130.4	430	2	0.43	0.027	0.86	No: 0.030%
6	430 131.0	432	2 (.51)	0.59	0.036	1.18	
7	432 131.7	434	2	0.56	0.032	1.12	
8	434 132.73	435	1 (.46)	0.25	(0.01	0.25	
9	435 132.6	439	4	0.05	(0.01		
A1550	439 133.8	443	4	0.08	(0.01		
1	443 135.0	445	2	0.25	(0.01		
2	445 135.6	447	2 (0.16)	0.06	(0.01		
A1573	447 136.2	449	2	0.06	(0.01		
4	449 136.8	451	2 (.08)	0.11	-		
5	451 137.4	453	2	0.11	0.01		
6	453 138.0	455	2 (.17)	0.23	0.022		
7	455 138.6	457	2	0.45	0.018		
8	457 139.2	459	2 (.25)	0.05	(0.01		
9	459 139.9	461	2	0.02	(0.01		
A1580	461 140.6	462.5	1.5 (.08)	0.14	(0.01		
1	462.5 141.0	464	1.5	0.79	0.016		
2	464 141.4	466	2	0.06	-		
3	466 142.0	467	1 (0.06)	0.08	(0.01		
4	467 142.3	469 (142.9)	2	0.06			

DDH 301

Fault 251' (76.5 m) - 279' (85.04 m) - 4?

Fault 333' (101.5 m)

Fault 360' (109.73 m) 363' (110.64 m)

408' large fracture in (124.51 m) granite.

UV 0 - 185

BH 185 - 195.5

Ap 195.5 - 198

BH 198 - 202

AP 202 - 203.5

BH 203.5 - 213

B-amp-feld-qtz 213 - 235.5 ?LV?

BH 235.5 - 251.5

AP 251.5 - 255

BH 255 - 275

UVU/BH 265 - 279

BH 279 - 296 251 - 279 Fault?

V 296 - 304

BH 304 - 318.5 PBH

AP 318.5 - 320

PBH 320 - 333

LV 333 - 340 - Fault 333

AP 340 - 342.5

LV 342.5 - 360

Breccia zone 360 - 363 - Fault

LV 363 - 397

Gran 397 - 420.5 Fault? 408.5

B Lens Skarn 420.5 - 435.5

Lost 435 - 449 Fracture

Skarn 449 - 457

Lost 457 - 462.5

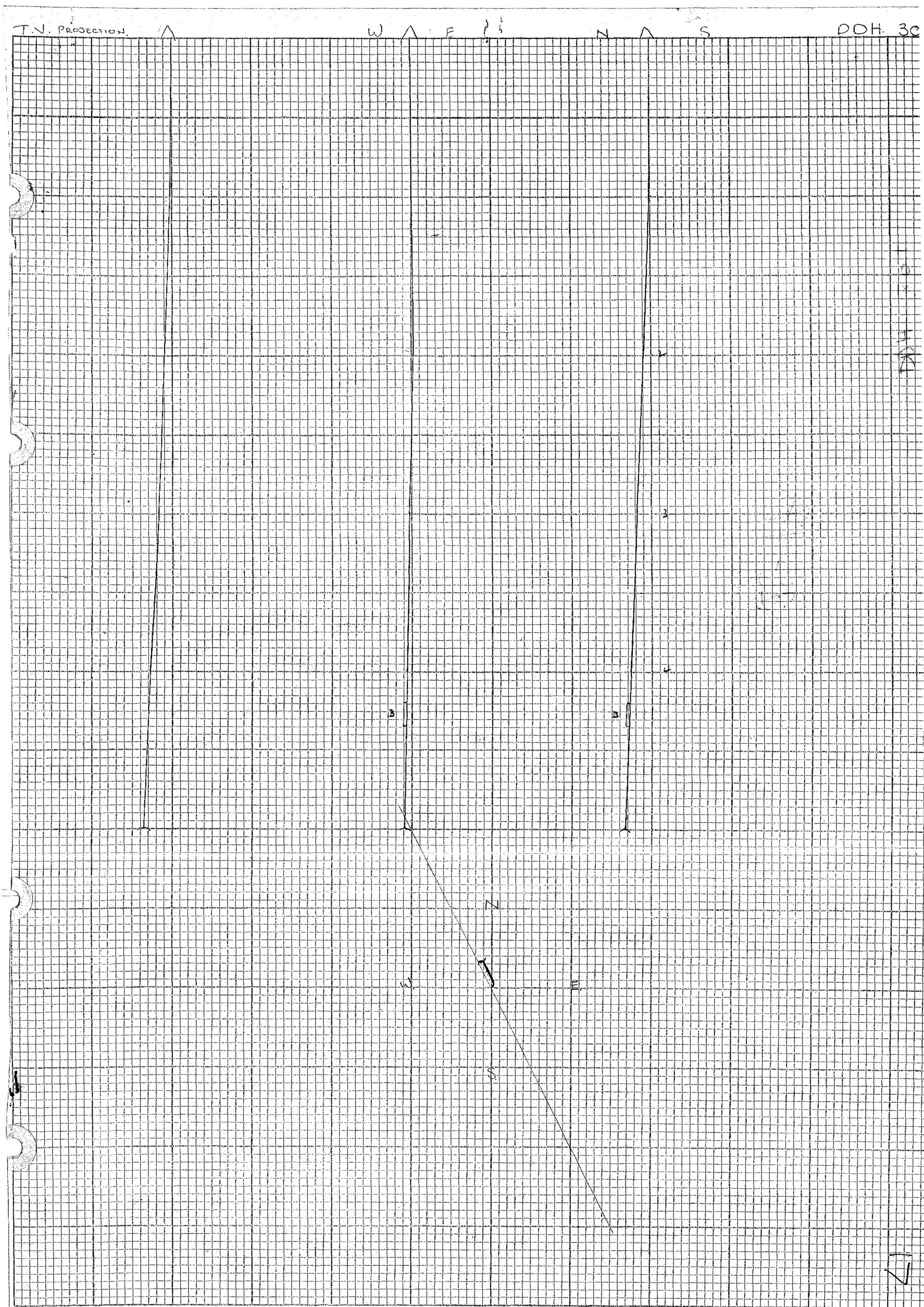
Skarn 462.5 - 472.5

Gran 472.5 - 275 EOH

T.V. PROJECTION.

W E N S

DDH. 30



DDH 301 [redacted] 12-3-1970

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

1	2	3	4	5	6	7	8	9	10	11	12
Depth	Course Length	Drift Angle	Cosine Sine	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine	Contangent Tangent	Deflection
100'	100	1°	9998 0175	0175	99.98	99.98	1.75	N12E	9781 2079	.2126	1.75
200'	100	2°	9994 0349	0349	99.94	199.92	3.49	N7E	9925	1228	5.24
300'	100	2°30'	9990 0436	0437	99.90	299.82	4.36	N30W	8660 5000	5774	9.60
400'	100	2°45'	9988 0480	0480	99.88	399.70	4.80	N20W	9397 3420	3640	14.4
500'	100	2°30'	9990 0436	0437	99.90	499.60	4.36	N26W	8988 4384	4877	18.76

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

13		14		15		16	
Co-ordinate Difference				Rectangular Difference			
N	S	E	W	N	S	E	W
1.711		.364		1.711		.364	
3.464		.425		5.175		.789	
3.77			2.18	8.945			1.391
4.51			1.64	13.455			3.031
3.92			1.91	17.375			4.941

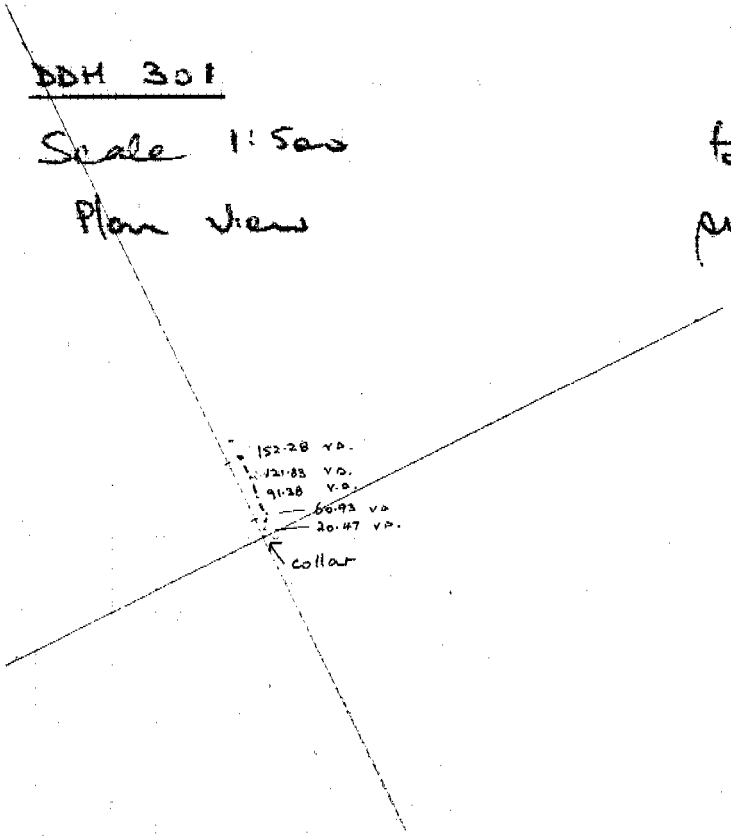
DDH 301

Scale 1:500

Plan View

total depth : 575' 175.26 m

surveyed to : 500' 152.4 m



DIAMOND DRILL HOLE NO. 285

LOCATION:	No. 3 Orebody
CO-ORDINATES:	803.26E, 9800.26N
R.L.:	398.16 Feet 121.4 + 3.3 = (124.7 talkover)
DATE COMMENCED:	20/10/69
DATE COMPLETED:	24/11/69
FINAL DEPTH:	1102 Feet 335.9
DATE SURVEYED:	25/11/69
LOGGED BY:	L. Szabo

350.16

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL LOG DRILL HOLE No. 285

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo	UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
	0	37	37	0			No Core 0'-37' 11.3	No Core - Surface soil and clay and weathered rock.	
A0788	37	39	2	2	0.06	0.047		APLITE, generally weathered, minor hornfels	Crush Zone
A0789	39	41	2	1.5	0.04	0.038		bands. Molybdenite mineralisation in part,	37'-78'
A0790	41	45	4	2	0.02	0.038		weathered zone white porous and	
A0791	45	47	2	2	0.03	0.441			
A0792	47	48	1	1	0.03	0.160			
A0793	48	52	4	2.5	0.06	0.014		MUSCOVITE/BIOTITE HORNFELS, mid-grey siliceous,	
A0794	52	54	2	1.5	0.06	<.010		spotted in part, pyrite and minor molybdenite	
A0795	54	55	1	1	0.06	<.010		mineralisation.	
A0796	55	59	4	1.5	0.06	0.072		APLITE, grey-green partly weathered, fine	
A0797	59	63	4	2.5	0.03	0.112		disseminated pyrite and molybdenite.	
A0798	63	67	4	2.5	0.03	0.061			
A0799	67	69	2	2	0.03	0.052			
A0800	69	73	4	4	0.06	0.010		MUSCOVITE/BIOTITE HORNFELS, mid-grey, spotted	
A0801	73	74	1	1	0.07	0.010		in part.	
A0802	74	78	4	4	0.02	0.052		APLITE, Grey-green, mineralised.	
A0803	78	82	4	4	0.07	<.010	SPOTTED SHALE 78' - 191.5'	SPOTTED SHALE, dark grey with fine dissem-	
	82	130	48	46				inated pyrite and veinlets along joints and fractures.	
	130	191.5	61.5	60				SPOTTED SHALE, minor muscovite and biotite hornfels, generally dark grey siliceous, py- rite veinlets and disseminations. Some minor aplite veins.	
	191.5	200	8.5	8			GRANITE 191.5' - 200'	BIOTITE GRANITE, fine grained, poor in dark minerals.	
	200	439	239				SPOTTED SHALE 200' - 439'	SPOTTED SHALE and muscovite/biotite hornfels, dark grey, pyrite disseminations and veinlets. Pyrite rich zone 362' - 366'. Numerous veins and dykes, aplites are white, medium grained with biotite. Most prominent are - 230.5' - 231'; 247' - 248'; 296' - 297'; 302' - 303'; 323' - 324.5'; 429.5' - 432'.	
	439	598					QUARTZITE 439' - 598'	QUARTZITE, grey and dark grey fine grained,	

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL LOG DRILL HOLE No. 285

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo	UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
								unbedded siliceous rock with abundant disseminated pyrite and minor mica, feldspar ? and calcareous minerals. Aplite veinlets most prominent -	
								484' - 486'; 501' - 502'; Numerous slickensided joints and fracture surfaces.	
								Parallel to L.C.A. 463' - 468'	
								525' - 560'	
								20° to L.C. 590'	
	598' 1823		-	-				MAJOR FAULT PLANE - angle 30° to L.C.A., remarkably clear cut only 1 or 2 inches of clay and carbonate.	
A0826	598	599	1	1	0.05	0.011		PYROXENE HORNFELS, highly altered rock with mixed biotite hornfels, calcite chloritic material and grossularite garnet. Low grade scheelite mineralisation with molybdenite sampled.	
27	599	601	2	2	0.07	0.030			
28	601	603	2	2	0.05	<0.01			
	603	613	10	10					
	613	614	1	1				Crystalline limestone with minor grossularite and pyroxene.	
	614	624	10	10			BIOTITE HORNFELS 614' - 666'	BIOTITE HORNFELS, with minor pyroxene hornfels.	
	624	662.3	2.3	2.3			1871 203	APLITE, with major quartz vein at base.	
	662.3	664						BIOTITE HORNFELS, highly deformed (folded and sheared) dips at 20 to 30° to L.C.A., interbedded pyroxene hornfels in part.	
A0829	664	666	2	2	0.07	0.030			
A0830	666	668	2	2	0.04	0.01	PYROXENE GARNET HORNFELS 666' - 690' 2103	PYROXENE GARNET HORNFELS with grossularite garnet, calcite and quartz, and some bands of unaltered limestone, good coarse grained scheelite mineralisation sampled.	
31	668	672	4	4	5.3	0.128			
32	672	676	4	4	1.28	0.035			
33	676	680	4	4	2.80	0.065			
34	680	682	2	2	0.58	<0.01		670' to 674' predominently limestone less altered, with pyroxene and grossularite garnet.	
46	682	686	4	4	0.29	0.01			
47	686	690	4	4	0.49	0.01			
48	690	694	4	4	10.2	0.34	ANDRADITE-DIOPSIDE SKARN 690'-702' 214	ANDRADITE DIOPSIDE SKARN with grossularite garnet. Good, fine to medium grained scheelite mineralisation.	
49	694	698	4	4	1.57	0.040			
50	698	702	4	4	1.02	0.030			

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL LOG DRILL HOLE No. 285

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO3	ASSAYS Mo	UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
A0851	702	706	4	4	6.8	0.138	GARNET-PYROXENE HORNFELS 702'-752' 229.7	GARNET-PYROXENE HORNFELS, predominately with grossularite garnet and limestone fragments. Medium to coarse grained scheelite mineralisation sampled.	
52	706	710	4	4	1.8	0.048			
53	710	714	4	4	3.2	0.100			
54	714	718	4	4	0.52	(0.01			
55	718	722	4	4	0.39	(0.01			
56	722	726	4	4	0.81	(0.01			
57	726	730	4	4	0.45	0.078			
58	730	734	4	4	0.35	(0.01			
59	734	738	4	4	0.26	(0.01			
60	738	742	4	4	0.11	(0.01			
61	742	746	4	4	0.07	(0.01			
62	746	750	4	4	0.05	(0.01			
880	750	752	2	2	0.12	0.043			
A0863	752	754	2	2	0.08	0.019	BIOTITE HORNFELS 752' - 754'	BIOTITE HORNFELS, banded with pyroxene hornfels	
64	754	758	4	4	0.07	(0.01	GARNET PYROXENE SKARN 754'-762' 232.2	GARNET PYROXENE SKARN with grossularite and andradite garnets and mainly low granite, fine to medium grained scheelite mineralisation.	
65	758	762	4	4	1.29	0.031			
66	762	764	2	2	0.03	(0.01	CRYSTALLINE LIMESTONE 762'-783' 238.6	CRYSTALLINE LIMESTONE with thin bedded structure including unbedded intervals. Dips at 20°.	Dipping: 20°
67	783	785	2	2	0.05	(0.01	PYROXENE HORNFELS 783' - 787'	PYROXENE HORNFELS, bedded with garnet and calcite hornfelses, with minor scheelite mineralisation.	
68	785	787	2	2	0.31	0.011			
69	787	791	4	4	0.02	(0.01	CRYSTALLINE LIMESTONE 787' - 793' 241.7	CRYSTALLINE LIMESTONE, unbedded with garnet bearing intervals. Weak scheelite mineralisation.	
70	791	793	4	4	0.02	(0.01			
71	793	797	4	4	0.69	0.027	GARNET-PYROXENE SKARN 793' - 801' 244.1	GARNET-PYROXENE SKARN, with grossularite and andradite garnet and some interbedded bands of biotite hornfels. Weak scheelite mineralisation.	
72	797	801	4	4	0.12	(0.01			
73	801	803	2	2	0.06	(0.01	PYROXENE HORNFELS 801' - 826' 251.7	PYROXENE HORNFELS, bedded with biotite hornfels. At 809' coarse grained scheelite developed in joint. At 814' disseminated scheelite, 2" wide.	
74	803	805	2	2	0.06	0.01			
	805	825	20	20					
75	826	828	2	2	0.03	(0.01	BANDED HORNFELS 826' - 940' 286.5	BANDED HORNFELS, essentially crystalline limestone banded with pyroxene hornfels, biotite hornfels and garnet hornfels. Minor scheelite mineralisation.	
76	828	830	2	2	0.03	(0.01			
77	830	832	2	2	0.02	(0.01			
78	832	833	1	1	0.06	(0.01			

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL LOG DRILL HOLE No. 285

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo	UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
A0979	833	835	2	2	0.05	(0.01			
	835	917.5	82.5	80				BANDED HORNFELS, banded pyroxene, biotite and garnet hornfels and crystalline limestone. Minor scheelite mineralisation associated with garnet (grossularite) hornfels.	
	917.5	919.5	2	2				GRANITE, fine grained biotite rich.	
	919.5	932	12.5	12				BANDED HORNFELS - Pyroxene and biotite hornfels interbedded with minor crystalline limestone with grossularite garnet.	
A0915	932	934	2	2	0.06	0.027		BANDED HORNFELS - with increased garnet	
16	934	936	2	2	0.09	(0.01		hornfels percentage and low grade scheelite	
17	936	938	2	2	0.51	0.026		mineralisation.	
18	938	940	2	2	0.08	0.032			
	940	1026	86	80			PYROXENE/BIOTITE HORNFELS 940' - 1026'	PYROXENE HORNFELS & BIOTITE HORNFELS inter-bedded with minor limestone garnet hornfels - minor scheelite mineralisation sporacically throughout in bands no greater than 3". Sheared and deformed 966' - 969'.	
	1026	1029	3	3				Crystalline limestone.	
	1029	1055	26	21				BIOTITE-ACTINOLITE HORNFELS with minor pyroxene hornfels.	
	1055	1066	11	11				GRANITE, fine and medium grained, strongly banded, parallel to contact (which is at 80° to L.C.A.) Bands of extremely biotite rich rock alternating with coarse grained orthoclase granite and porphyrite orthoclase granite.	
	1066	1102	36	35			1102	GRANITE - medium grained grading to coarse in part, sporadically porphyritic with orthoclase phenocrysts to 2 cm. Zones of ironstaining and alteration associated with small joints - 1078 to 1079.5' - strong epidotisation.	

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DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 285

Logged By: L. Szabo

Sample No.	FOOTAGES From	To	Length	ASSAYS WO_3 -	Mo	L X A	REMARKS
A0788	37 (113.)	39	2	0.06	0.047	0.094	
A0789	39 (119)	41	2	0.04	0.038	0.152	
A0790	41 (125)	45	4	0.02	0.038	0.152	
A0791	45 (137)	47	2	0.03	0.441	0.882	
A0792	47 (143)	48	1	0.03	0.16	0.16	
A0793	48 (146)	52	4	0.06	0.014	0.056	
A0794	52 (158)	54	2	0.06	(0.01	0.02	41' at
A0795	54 (164)	55	1	0.06	(0.01	0.01	
A0796	55 (168)	59	4	0.06	0.072	0.288	0.07% Mo
A0797	59 (180)	63	4	0.03	0.112	0.448	
A0798	63 (192)	67	4	0.03	0.061	0.244	
A0799	67 (204)	69	2	0.03	0.052	0.104	
A0800	69 (210)	73	4	0.06	0.01	0.04	
A0801	73 (222)	74	1	0.07	0.01	0.01	
A0802	74 (225)	78 (238)	4	0.02	0.052	0.208	
A0803	78	82	4	0.07	(0.01		
A0826	598 (1823)	599	1	0.05	0.011		
A0827	599 (1826)	601	2	0.07	0.030		
A0828	601 (1832)	603 (1838)	2	0.05	(0.01		
A0829	664 (2024)	666	2	0.07	0.015		
A0830	666 (2030)	668	2	0.04	(0.01		
A0831	668 (2036)	672	4	~~5.3~~ 4.0	0.128	21.20	
A0832	672 (2048)	676	4	1.28	0.035	5.12	
A0833	676 (2060)	680	4	2.80	0.065	11.20	
A0834	680 (2073)	682	2	0.58	(0.01	1.16	
A0846	682 (2079)	686	4	0.29	(0.01	1.16	C/1 Lens 668-738
A0847	686 (2090)	690	4	0.49	(0.01	1.96	70' at 2.061% WO_3
A0848	690 (2103)	694	4	10.2 4.0	0.34	40.80	
A0849	694 (2115)	698	4	1.57	0.04	6.28	
A0850	698 (2127)	702	4	1.02	0.03	4.08	
A0851	702 (2140)	706	4	~~6.8~~ 4.0	0.138	27.20	
A0852	706 (2152)	710	4	1.8	0.048	7.20	
A0853	710 (2164)	714	4	3.2	0.10	12.80	
A0854	714 (2176)	718	4	0.52	(0.01	2.08	
A0855	718 (2188)	722	4	0.39	(0.01	1.56	
A0856	722 (2200)	726	4	0.81	(0.01	3.24	

If all assays where 4' is and taken as 4' then avg grade is 1.57

Mo: 0.027

DIAMOND DRILL HOLE 285

Logged By: L. Szabo

SAMPLE	FOOTAGES From	To	Length	ASSAY WO_3	Mo	I R A	REMARKS
A0 857	726 221·3	730	4	0.45	0.078	1.80	
58	730 225·5	734	4	0.35	<0.01	1.40	
59	734 223·7	738 224·9	4	0.26	<0.01	1.04	
60	738 224·9	742	4	0.11	<0.01		
61	742 226·2	746	4	0.07	<0.01		
62	746 227·3	750	4	0.05	<0.01		
880	750 228·6	752	2	0.12	0.043		
63	753 229·5	754	2	0.08	0.019		
64	754 229·8	758	4	0.07	<0.01		
65	758 231·6	762	4	1.29	0.031	→	C/2 Lens - 758'-762' 4' at 1.29% WO_3
66	762 232·2	764 233·0	2	0.03	<0.01		
67	783 238·6	785	2 } 1.8	0.05	<0.01		
68	785 239·2	787	2 }	0.31	0.011		
69	787 239·9	791	4	0.02	<0.01		
70	791 241·1	793	2	0.02	<0.01		
71	793 241·7	797	4	0.69	0.027	→	793'-797', 4' at 0.69% WO_3
72	797 242·9	801	4	0.12	<0.01		
73	801 244·1	803	2 } .06	0.06	<0.01		
74	803 244·7	805 245·4	2 }	0.06	0.010		
75	826 251·6	828	2	0.03	<0.01		
76	828 252·4	830	2	0.03	<0.01		
77	830 253·0	832	2	0.02	<0.01		
78	832 253·6	833	1	0.06	<0.01		
79	833 253·9	835 254·5	2	0.05	<0.01		

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL LOG DDH 2+25 SHEET No. 1 of 5 (0)

DRILL HOLE No. DDH 2+25

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS	UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
						0 - 37	No Core	
						37 - 78	Muscovite - biotite hornfels and mixed spotted shale intersected with numerous aplites which carried quartz introduced molybdenum mineralization with the hostrock. The aplite intruded the fractures of ~~the~~ crushed hostrock.	Crush zone from 37' to 78'
A 0788	37	39	2	2				
89	39	41	2	1.5				
90	41	45	2	2				
91	45	47	2	2				
92	47	48	1	1				
93	48	52	4	2.5				
94	52	54	2	1.5				
95	54	55	1	1				
96	55	59	4	1.5				
97	59	63	4	2.5				
98	63	67	4	2.5				
99	67	69	2	2				
A 0800	69	73	4	4				
1	73	74	1	1				
2	74	78	4	4				
							37' - 39' Weathered aplite	
							39.5' - 40.5' -"- -"-	
							42' - 43' Aplite, partly weathered	
							43.5' - 44.5' Aplite, weathered	
							45' - 48' Aplite with molybdenum mineralization	
							55' - 69' Aplite with molybdenum mineralization	
							74' - 78' Aplite	
							Weathered aplites are white, porous, highly sodiumitized.	
							Fresh aplites are grey-green and contain fine disseminated and crust flakes of Molybdenite	✓
							The sequence is mineralised throughout with pyrite.	✓
A 0803	78	82	4	4		78 - 130	Spotted shale, dark grey, with fine disseminated and pyrite and veinlets of pyrite along the joints throughout the strata.	
						130 - 191.5	Spotted shale with minor muscovite-biotite hornfels dark grey with pyrite disseminations and veinlets. Intersected with minor aplites.	
						191.5 - 200	Biotite - granite fine grained, poor in dark minerals.	

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL LOG DRILL HOLE No. 285

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS	UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
						200 - 439	Spotted shale varies with massive biotite hornfels dark gray, with pyrite dissemination and veinlets. Intersected with aplites.	
							At 201' aplite, 2" wide	
							At 210.5' -"- 2" -"-	
							At 224' -"- 1" -"-	
							At 230.5 -"- 6" -"-	
							247-248' Aplite	
							At 278' pyrite vein	
							296' - 297' Aplite	
							302' - 303' -"-	
							323' - 324.5' -"-	
							At 362' pyrite rich zone	
							At 366' pyrite vein	
							The aplites are white, medium-grained with biotite.	
							427.5 to 428 aplite	
							429.5 to 432 Granite vein	
							At 435 aplite, 4" wide	
							At 438.5 -"- 3" -"-	
						439 - 598	Quartzite	463-468 Slickensided (vertical
							Grey, dark grey, fine grained unbedded silica rich rock with abundance of disseminated sulphide (pyrite) and minor mica and feldspar (?), and clastic material.	525-560 vertical cracks & slickensided
							At 452' Aplite 2" wide	590.5 slickensided
							At 461 -"- 1" -"-	598' fault plane dipping at 60°
							484 to 486 aplite	
							501 to 502 granite vein	
							At 534.5' Quartz vein, ½" wide	
							At 567' Granite veinlet ½" wide	

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL LOG DRILL HOLE No. 285

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO3	UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
						598 - 613	Pyroxene hornfels	
A 0826	598	599	1	1			highly altered rock with	
27	599	601	2	2			minor bleached hornfels, calcite	
28	601	603	2	2			and chloritic veining and	
							grossularite garnet	
							Low grade schist, in weathered	
							with molybdenite mineralisation.	
						613 - 614	Crystalline limestone	
							with minor grossularite-quartz	
							pyroxene.	
						614 - 624	Biotite hornfels	
							with minor pyroxene veining	
						624 - 626	Aplite	
						626 - 626.3	Quartz vein with aplite	
						626.3 - 666	Biotite hornfels	Dipping
A 0829	664	666	2	2			highly deformed (fractured	60-70°
							and shattered), dips at 60 to 70 degrees	
							downwards, interbedded	
							pyroxene hornfels appear.	
A 0830	666	668	2	2		666 - 690	Pyroxene garnet hornfels	
31	668	672	4	4			with grossularite garnet, calcite	
32	672	676	4	4			and quartz, and zones of unaltered	
33	676	680	4	4			limestone. Good, coarse crystalline	
34	680	682	2	2			scheelite mineralisation recorded.	
A 0846	682	686	4	4				
47	686	690	4	4			670 to 674' thickly bedded limestone	
							less altered, with pyroxene	
							and grossularite garnet	
A 0848	690	694	4	4		690 - 702	Andesite - dipping steeply	
49	694	698	4	4			with grossularite garnet.	
50	698	702	4	4			Good, fine to medium grained scheelite	
							mineralisation.	
A 0851	702	706	4	4		702 - 752	Garnet - pyroxene hornfels	
52	706	710	4	4			predominantly with grossularite	
53	710	714	4	4			garnet and limestone fragments	
54	714	718	4	4			medium to coarse grained scheelite	
55	718	722	4	4			mineralisation recorded.	

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL LOG DRILL HOLE No.

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS	UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
A 0856	722	726	4	4				
57	726	730	4	4				
58	730	734	4	4				
59	734	738	4	4				
60	738	742	4	4				
61	742	746	4	4				
62	746	750	4	4				
A 0880	750	752	2	2				
A 0863	752	754	2	2		752 - 754	Biotite hornfels banded with pyroxene hornfels	
A 0864	754	758	4	4		754 - 762	garnet pyroxene skarn with grossularite and andradite garnets and varying low grade, fine to medium grained scheelite mineralisation.	
65	758	762	4	4				
A 0866	762	764	2	2		762 - 783	Chrysotile limestone with thin bedded structure including unbedded intervals. Dips at 20 degrees	Dipping 200
	764	783	19	19				
A 0867	783	785	2	2		783 - 787	Pyroxene hornfels bedded with garnet and calcite hornfels with minor scheelite mineralisation	
68	785	787	2	2				
A 0869	787	791	4	4		787 - 793	Chrysotile limestone unbedded with garnet bearing intervals. Weak scheelite mineralisation	
70	791	793	4	4				
A 0871	793	797	4	4		793 - 801	Garnet-pyroxene skarn with grossularite and andradite garnet and some interbedded bands of biotite hornfels. Weak scheelite mineralisation	
72	797	801	4	4				
A 0873	801	803	2	2		801 - 826	Pyroxene hornfels bedded with biotite hornfels.	
74	803	805	2	2				
	805	826	20	20			At 809' coarse grained scheelite developed in joint At 814' disseminated scheelite, 2" wide	

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL LOG DRILL HOLE No.

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS	UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
A 0875	826	828	2	2		825 - 916	Bedded series Crystalline limestone banded with minor pyroxene hornfels, biotite hornfels and garnet hornfels. (Bedded limestone - marl formation) Dips at ~~about~~ 15 degrees Minor scheelite mineralisation occurs in several places in the sequence. The mineralisation is associated with garnet (grossularite) hornfels. At 844' medium grained scheelite, 1" wide zone At 849' coarse grained scheelite, 3" wide zone. At ~~850~~ 867' scheelite mineralisation, 4" At 876.5' " " " 4" At 877' " " " 1" At 877.5' " " " 1" From 910.5' to 914.5' low grade scheelite mineralisation	Dipping 20°
75	828	830	2	2				
77	830	832	2	2				
78	832	833	1	1				
79	833	835	2	2				
						916 - 917.5	Bedded series Pyroxene hornfels bedded with limestone and biotite hornfels	
						917.5 - 919.5	Granite fine grained, biotite rich	
						919.5 - 947	Bedded series Pyroxene hornfels bedded with biotite hornfels and minor crystalline limestone with ~~garnet~~ tremolite garnet At 923' ~~granite veinlet~~ 2" wide At 930' Scheelite mineralisation 2" At 938' " " 2" From 934' to 938' low grade scheelite mineralisation, sampled At 945' Scheelite mineralisation, 2" At 947' " " 2"	
A 0915	932	934	2	2				
16	934	936	2	2				
17	936	938	2	2				
18	938	940	2	2				

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL LOG DRILL HOLE No. 285

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS	UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
						947 - 1026	Bedded Series Pyroxene hornfels bedded with Biotite hornfels and minor limestone with grossularite garnet. The bedding dips ~~about~~ at about 15 degrees From 966 to 969 highly deformed and sheared formation. At 969' Tschelite mineralisation 1" At 972' " " 1" At 982' " " 1" At 990' " " 2" At 992' " " 2" At 993' " " 4" At 995' " " 2" At 996 " " 5" At 1000' " " 2" At 1003' " " 3" At 1017' " " 2" At 1019' " " 2"	
						1026 - 1029	Chrysotalline limestone	
						1029 - 1055	Biotite-actinolite hornfels (?) with minor pyroxene hornfels From 1045' to 1047', also 1049' to 1051', also 1053' to 1054' near vertical calcite filled joints.	

	1055	1066	11	11	granite 1955	granite, fine & medium grained, strongly banded - parallel to contact (which is at 80° to L.C.A.) bands of extremely biotite rich rock alternating with coarse grained orthoclase granite & porphyritic orthoclase granite.
	~~1066~~					
	1066	1102	36	35		granite - medium grained grading to coarse in part, planarly porphyritic with orthoclase phenocrysts to 2 cm. Zone of granulation & alteration associated with small faults - 1078 to 1079.5 strong fracturation.

Incompetent ground 605' (184,4 m)

Fault 823' (250.9 m)

Incompetent ground 946' (288.3 m)

Major fracture 966' (294.4 m)

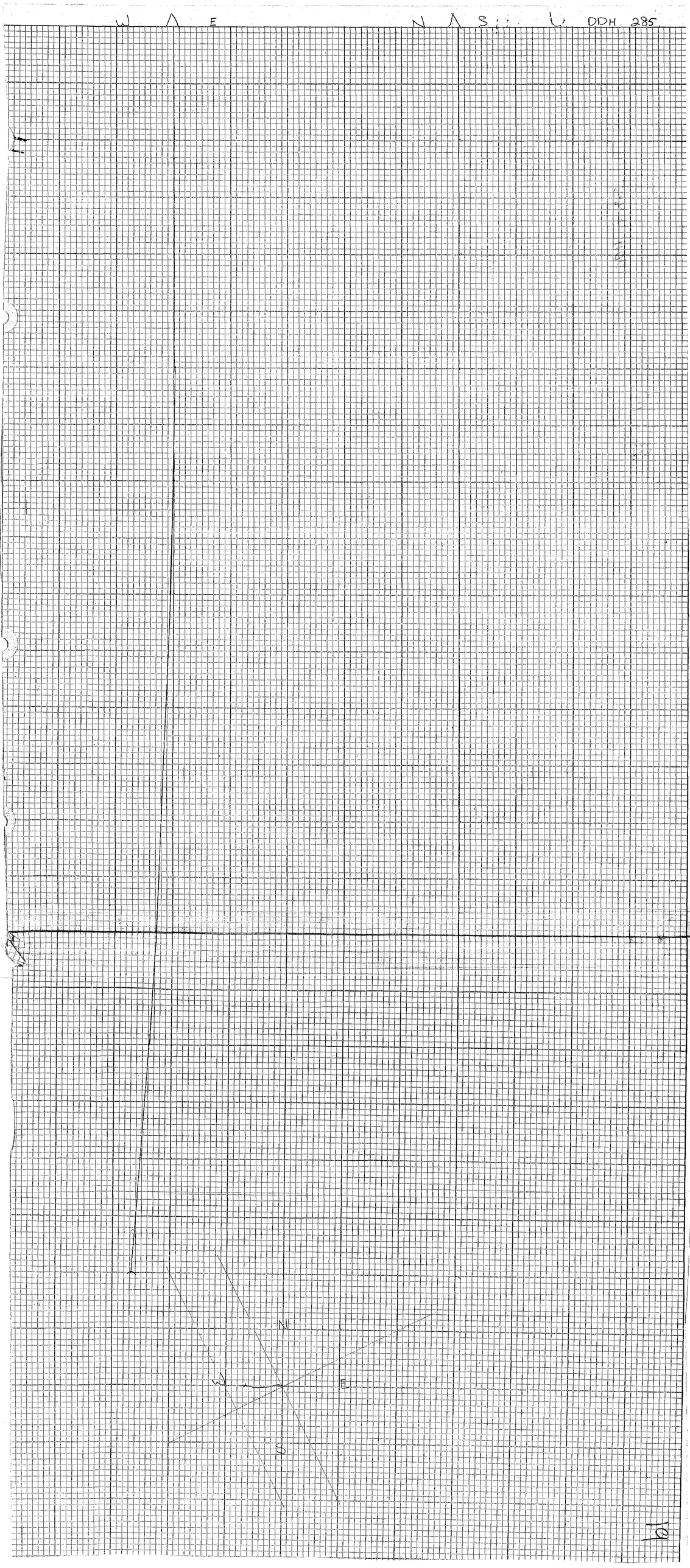
" " 970' (295.4 m)

" " 1043' (317.9 m)

Possible fault 1046' (318.8 m)

Major fracture 1051' (320.3 m)

" " 1054' (321.3 m)


W
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EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1 DDH 285

1	2	3	4	5	6	7	8	9	10	11	12
Depth	Course Length	Drift Angle	Cosine Sine	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine	Contangent Tangent	Deflection
20	20	0° 15'	1.0000 0.0044	0.0044	20.00	20.00	0.09	N 35° E	0.8192 0.5736	0.7002	
40	20	-"-			20.00	40.00	0.09	-"-			
60	20	-"-			20.00	60.00	0.09	-"-			
80	20	—	1.0000 0.0000	0.0000	20.00	80.00	—	—	X	X	
100	20	00 15'			20.00	*100.00	0.09	S 60° E	0.5000 0.8660	0.5774	
120	20	-"-			20.00	120.00	0.09	S 75° E	0.2588 0.9659	0.2679	
140	20	-"-			20.00	140.00	0.09	-"-			
160	20	—			20.00	160.00	—	—	X	X	
180	20	0° 15'			20.00	180.00	0.09	N 10° W	0.9848 0.1736	0.1763	
200	20	—			20.00	*200.00	—	—	X	X	
220	20	0° 15'			20.00	220.00	0.09	N (0°)	1.— 0.—	0.—	
240	20	—			20.00	240.00	—	—	X	X	
260	20	0° 30'	1.0000 0.0087	0.0087	20.00	260.00	0.17	N 83° W	0.1219 0.9925	0.1228	
280	20	-"-			20.00	280.00	0.17	-"-			
300	20	-"-			20.00	*300.00	0.17	S 85° W	0.0872 0.9962	0.0875	
320	20	0° 45'	0.9999 0.0131	0.0131	20.00	320.00	0.26	W (90°)	0.— 1.—	0.—	
340	20	-"-			20.00	340.00	0.26	N 83° W	0.1219 0.9925	0.1228	
360	20	1° —	0.9998 0.0175	0.0175	20.00	360.00	0.35	S 85° W	0.0872 0.9962	0.0875	
380	20	-"-			20.00	380.00	0.35	W	0.— 1.—	0.—	
400	20	-"-			20.00	*400.00	0.35	S 84° W	0.1045 0.9945	0.1051	
420	20	-"-			20.00	420.00	0.35	S 88° W	0.0349 0.9994	0.0349	
440	20	1° 15'	0.9998 0.0218	0.0218	20.00	440.00	0.44	S 85° W	0.0872 0.9962	0.0875	
460	20	-"-			20.00	460.00	0.44	N 84° W	0.1045 0.9945	0.1051	
480	20	1° 30'	0.9997 0.0262	0.0262	19.99	479.99	0.52	W	0.— 1.—	0.—	
500	20	-"-			19.99	*499.99	0.52	N 87° W	0.0523 0.9986	0.0524	
520	20	1° 45'	0.9995 0.0305	0.0306	19.99	519.97	0.61	W	0.— 1.—	0.—	
540	20	-"-			19.99	539.96	0.61	S 89° W	0.0175 0.9998	0.0175	
560	20	-"-			19.99	559.95	0.61	S 88° W	0.0349 0.9994	0.0349	
580	20	-"-			19.99	579.94	0.61	S 76° W	0.2419 0.9703	0.2493	

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2 DDH 285

13		14		15		16	
Co-ordinate Difference				Rectangular Difference			
N	S	E	W	N	S	E	W
0.07		0.05		0.07		0.05	
0.07		0.05		0.14		0.10	
0.07		0.05		0.21		0.15	
—		—		0.21		0.15	
	0.05	0.08		*0.16		*0.23	
	0.02	0.09		0.14		0.32	
	0.02	0.09		0.12		0.41	
	—	—		0.12		0.41	
0.09			0.02	0.21		0.39	
—			—	*0.21		*0.39	
0.09		—	—	0.30		0.39	
—		—	—	0.30		0.39	
0.02			0.17	0.32		0.22	
0.02			0.17	0.34		0.15	
	0.01		0.17	*0.33			*0.02
	—		0.26	0.33			0.28
0.03			0.26	0.36			0.54
	0.03		0.35	0.33			0.89
	—		0.35	0.33			1.24
	0.04		0.35	*0.29			*1.53
	0.01		0.35	0.48			1.94
	0.04		0.44	0.24			2.38
0.05			0.44	0.19			2.82
—			0.52	0.19			3.34
0.03			0.52	*0.16			*3.86
—			0.61	0.16			4.47
	0.01		0.61	0.15			5.08
	0.02		0.61	0.13			5.69
	0.15		0.59		0.2		6.28

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1 DDH 285

(2)

1	2	3	4	5	6	7	8	9	10	11	12	13		14		15			16
												Co-ordinate Difference				Rectangular Difference			
Depth	Course Length	Drift Angle	Cosine Sine	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine	Contangent Tangent	Deflection	N	S	E	W	N	S	E	W
600	20	2° —	0.9994 0.0349	0.0349	19.99	599.93	0.70	S 82° W	0.1392 0.9903	0.1405			0.10		0.69		0.12		6.97
620	20	—			19.99	619.92	0.70	S 81° W	0.1564 0.9877	0.1584			0.11		0.69		0.23		7.66
640	20	—			19.99	639.91	0.70	S 88° W	0.0349 0.9994	0.0349			0.02		0.70		0.25		8.36
660	20	2° 30'	0.9990 0.0436	0.0437	19.98	659.89	0.87	S 80° W	0.1736 0.9848	0.1763			0.15		0.86		0.40		9.22
680	20	—			19.98	679.87	0.87	W	0. — 1. —	0. —			—		0.87		0.40		10.09
700	20	—			19.98	699.85	0.87	S 85° W	0.0872 0.9962	0.0875			0.08		0.87		0.48		10.96
720	20	2° 15'	0.9992 0.0393	0.0393	19.98	719.83	0.79	S 84° W	0.1045 0.9945	0.1051			0.08		0.79		0.56		11.75
740	20	2° 30'	0.9990 0.0436	0.0437	19.98	739.81	0.87	S 86° W	0.0698 0.9976	0.0699			0.06		0.87		0.62		12.62
760	20	—			19.98	759.79	0.87	S 85° W	0.0872 0.9962	0.0875			0.08		0.87		0.70		13.49
780	20	—			19.98	779.77	0.87	N 88° W	0.0349 0.9994	0.0349		0.03			0.87		0.67		14.36
800	20	—			19.98	799.75	0.87	S 85° W	0.0872 0.9962	0.0875			0.08		0.87		0.75		15.23
820	20	—			19.98	819.73	0.87	S 88° W	0.0349 0.9994	0.0349			0.02		0.87		0.78		16.10
840	20	3° —	0.9986 0.0523	0.0524	19.97	839.70	1.05	—					0.04		1.05		0.82		17.15
860	20	—			19.97	859.67	1.05	S 85° W	0.0872 0.9962	0.0875			0.09		1.05		0.91		18.20
880	20	3° 30'	0.9981 0.0610	0.0612	19.96	879.63	1.22	N 88° W	0.0349 0.9994	0.0349		0.04	—		1.22		0.87		19.42
900	20	—			19.96	899.59	1.22	S 87° W	0.0523 0.9986	0.0524			0.06		1.22		0.93		20.64
920	20	—			19.96	919.55	1.22	W	0. — 1. —	0. —			—		1.22		0.93		21.86
940	20	—			19.96	939.51	1.22	N 88° W	0.0349 0.9994	0.0349		0.04			1.22		0.89		23.08
960	20	3° 45'	0.9979 0.0654	0.0655	19.96	959.47	1.31	W	0. — 1. —	0. —			—		1.31		0.89		24.39
980	20	3° 30'	0.9981 0.0610	0.0612	19.96	979.43	1.22	W					—		1.22		0.89		25.61
1000	20	3° 45'	0.9979 0.0654	0.0655	19.96	999.39	1.31	N 85° W	0.0872 0.9962	0.0875		0.11			1.31		0.78		26.92
1020	20	—			19.96	1019.35	1.31	W	0. — 1. —	0. —			—		1.31		0.78		28.23
1040	20	—			19.96	1039.31	1.31	N 87° W	0.0523 0.9986	0.0524		0.07			1.31		0.71		29.54
1060	20	4° —	0.9976 0.0698	0.0699	19.95	1059.28	1.40	—				0.07			1.40		0.64		30.94
1080	20	—			19.95	1079.21	1.40	S 89° W	0.0175 0.9998	0.0175			0.02		1.40		0.66		32.34
1100	20	3° 45'	0.9979 0.0654	0.0655	19.96	1099.17	1.31	N 83° W	0.1219 0.9925	0.1228		0.17			1.30		0.49		33.64
								N 90 W											
								S 90 W											

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2 DDH 285

(2)

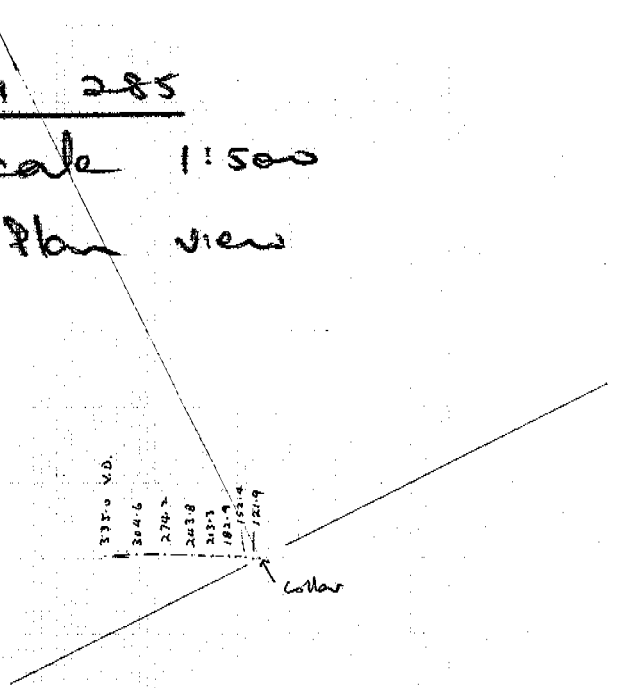
DDH 285

Scale 1:500

Plan view

total depth : 1102' 335.89 m

surveyed to : 1100' 335.28 m



DIAMOND DRILL HOLE NO. 282

LOCATION:	No 3 Orebody
CO-ORDINATES:	N - 10,003.39 E 504.82
R.L.:	390.25 118.95 122.~
DATE COMMENCED:	21st November, 1969.
DATE COMPLETED:	16th January, 1970
FINAL DEPTH:	958 Feet 292.0
DATE SURVEYED:	17th January, 1970.
LOGGED BY:	P. Le Messurier

326.25

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL HOLE

DRILL HOLE No. 282

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo	UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
	0	64 19.5	64	0				No Core - Surface sand and clay and weathered rock.	
	64	85 25.9	20	19.7			MUSCOVITE HORNFELS	MUSCOVITE HORNFELS, massive fine grained siliceous rock with abundant muscovite, minor plagioclase and chlorite. Fine disseminated pyrite throughout, minor chalcopyrite.	
	85	90 27.4	5	5			PYROXENE/BIOTITE HORNFELS	PYROXENE/BIOTITE HORNFELS, thinly banded in irregular and discontinuous bands, some minor garnet bands.	
1010	90	93 28.3	3	3	0.07	0.016	SKARN 90'-143.5' 27.4 - 43.9 (A LENS)	SKARN, very fine grained pyroxene rich, garnet irregularly dispersed, sporadic blebs of scheelite, and molybdenite.	
1011	93	95	2	2	0.58	0.072		SKARN, fine grained, poorly banded, dissem-	
1012	95	97	2	2	1.02	0.052		inated scheelite and molybdenite, gossanous	
1013	97	99	2	2	1.23	0.095		zones with secondary actinolite after pyrite	
1014	99	101	2	2	1.45	0.056		and molybdenite.	
1015	101	103	2	2	1.04	0.038		SKARN, fine to medium grain size, even per- centage of garnet and pyroxene, many irreg- ular calcite blebs, disseminated scheelite.	
1016	103	106.5	3.5	3.5	0.29	0.038		SKARN, fine grained with pyroxene more abundant than garnet, irregular quartz and calcite blebs sparsely disseminated scheelite of both fine and coarse grain size.	
1017	106.5	109.5	3	3	1.60	0.058		SKARN, fine to medium crystallinity equipercentage garnet and pyroxene, irregular calcite blebs- disseminated scheelite and minor molybdenite.	
1018	109.5	112	2.5	2.5	0.21	0.013		SKARN, generally even fine grain size and of	
1019	112	115.2	3.2	3.2	0.79	0.064		uniform composition with equal garnet and	
1020	115.2	116	0.8	0.8	0.15	(0.01		pyroxene percentage and irregular calcite	
1021	116	118.5	2.5	2.5	1.18	0.027		zones. Scheelite disseminated throughout in	
1022	118.5	121	2.5	2.5	0.24	0.015		varying percentage grainsize, generally fine.	
1023	121	123.5	2.5	2.5	0.23	0.010			
1024	123.5	126	2.5	2.5	1.36	0.156			
1025	126	128	2	2	1.28	0.076			
1026	128	131	3	3	1.06	0.058			

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL LOG DRILL HOLE No. 282

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo	UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
1027	131	134	3	3	0.47	0.056			
1028	134	136.5	2.5	2.5	1.02	0.044			
1029	136.5	139	2.5	2.5	2.43	0.088			
1030	139	141.5	2.5	2.5	0.25	0.015			
1031	141.5	143.5	2	2	0.88	0.040			
	143.5	149	5.5	2.0			MARBLE 143.5'-161' 49.1	MARBLE, major solution cavity - skeletal structure and precipitate structure.	
	149	161	12	12				MARBLE - massive crystalline medium grained, basal 3'0" generally impure with pyroxene garnet and wollastonite bands. Very occasional scheelite flakes.	
	161	162.5 49.5	1.5	1.5				SKARN - fine grained, garnet/pyroxene intimately intermixed. Very minor scheelite.	
	162.5	170.5	8	8			BIOTITE HORNFELS 162.5 - 243 74.0	BIOTITE HORNFELS - well banded with irregular and discontinuous bands of pyroxene hornfels and garnet hornfels.	
	170.5	183	12.5	12				BIOTITE HORNFELS - a very siliceous rock, virtually a quartzite with abundant biotite both disseminated and in bands and irregular veinlets.	
	183	199	16	16				BIOTITE/PYROXENE HORNFELS - irregularly interbedded in variable and discontinuous units, irregular blebs of calcite and pyroxene with associated swirls.	
	199	221.5	22.5	22				BIOTITE HORNFELS - well banded biotite in a fine grained siliceous rock.	
	221.5	222.5	1	1			APLITE	APLITE, fine grained.	
	222.5	225	2.5	2.5				BIOTITE HORNFELS, massive, very siliceous.	
	225 68.6	232 10.1	7	7			APLITE	APLITE, fine grained, massive sporadic biotite and chloritic blebs. Upper two feet more basic and irregular in grain size.	
	232	240.7	8.7	8.5				BIOTITE HORNFELS - very siliceous massive dark grey.	

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL LOG DRILL HOLE No. 282

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo	UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
	240.7	241	0.3	0.3			APLITE	APLITE, coarse grained.	
	241	243	2	2				BIOTITE/PYROXENE HORNFELS - well banded.	
1032	243	245	2	2	0.04	(0.01	SKARN 243'-267' 74' 81.4	SKARN, very fine grained at top, garnet	
1033	245	247.5	2.5	2.5	0.15	(0.01		generally predominant with minor pyroxene and	
1034	247.5	249.7	2.2	2.2	0.97	0.042	(A2 LENS)	biotite - some irregular calcite blebs and	
								veins. Disseminated scheelite in varying	
								quantities throughout.	
1035	249.7	254.5	4.8	4.8	0.09	0.022		BIOTITE HORNFELS, massive siliceous, very minor	
								pyroxene.	
1036	254.5	257	2.5	2.5	0.84	0.050		SKARN, medium grained, some calcite blebs,	
								many cavities with pyrite Molybdenite - some	
								secondary pyroxene and actinolite. Dissemin-	
								ated scheelite.	
1037	257	261.5	4.5	4.0	0.06	(0.01		SKARN, very fine grained siliceous, pyroxene	
								rich.	
1038	261.5	263	1.5	1.5	0.07	(0.01		SKARN, medium grained, equal garnet and pyroxene	
1039	263	267	4	4	0.98	0.038		minor calcite blebs and veins variable	
								disseminated scheelite.	
	267	268.5	1.5	1.5				BIOTITE HORNFELS - minor pyroxene rich bands.	
	268.5	269.5	1	1				APLITE - medium grained.	
	269.5	303	33.5	31			QUARTZITE 269.5 - 303' 92.3	QUARTZITE (Siliceous Biotite Hornfels) a	
								dense dark siliceous rock, fine grained, much	
								disseminated biotite with zones of biotite	
								blebs occasionally throughout in basal 3 feet	
								unit becomes banded and more similar to	
								biotite hornfels.	
								0'3" Aplite veins at 275' and 286'.	
	303	306.5 93.4	3.5	3.5			APLITE	APLITE - coarse grained granitic texture.	
	306.5	333	26.5	26			BIOTITE HORNFELS 306.5' - 333' 101.5	BIOTITE HORNFELS, massive at top becoming	
								increasingly banded with pyroxene and garnet	
								rich bands towards base.	
	333	334	1	1			APLITE	APLITE, coarse grained with pegmatitic centre.	

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL LOG DRILL HOLE No. 282

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo	UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
	334	348	14	14			PYROXENE HORNFELS 334' - 348' 106.1	PYROXENE HORNFELS, strongly banded with irregular garnet and biotite rich bands very minor scheelite in some garnet bands. Basal 2'0" generally fracture and very chloritic.	
	348	364.5	16.5	16			META-VOLCANICS 348' - 422.5' 364 111.1	Meta-Volcanics, Biotite/Pyroxene Hornfels with strong remnant volcanic structure with parallel feldspar phenocrysts. 0'6" Aplite vein at 363'.	
	364.5	380	15.5	15			APLITE 364.5'-380' 115.8	APLITE - banded fine to coarse grained porphyritic in part, banding generally parallel to contact which is at 60o to L.C.A. Upper contact shows some alteration and chloritisation, lower contact clear and sharp.	
	380	422.5	42.5	41			380' — 422.5' (128-78)	META-VOLCANICS - Biotite/Pyroxene Hornfels with strong remnant volcanic structure, many feldspar phenocrysts corroded and altered. At 402' number of feldspar decreases greatly and biotite and pyroxene increase, basal 4' of unit becomes banded and more hornfelsic.	
1040	422.5	423.5	1	1	0.99	0.037	SKARN AND HORNFELS 422.5' - 429.5' 130.9 (B LENS)	SKARN, very contorted and mixed pyroxene and garnet, chloritic veins, with pyrite, disseminated scheelite.	
1041	423.5	424	0.5	0.5	0.06	0.013		BIOTITE PYROXENE HORNFELS, banded.	
1042	424	425	1.0	1.0	0.67	0.038		SKARN, fine grained garnet pyroxene, banded at top but becoming more massive - 0'1" calcite vein with scheelite near top.	
1043	425	426	1.0	1.0	0.83	0.021			
1044	426	427	1.0	1.0	0.19	0.012		PYROXENE BIOTITE HORNFELS, banded.	
1045	427	429.5	2.5	2.5	0.43	0.021		SKARN, banded pyroxene and garnet with irregular calcite veins.	
	429.5	438	18.5	18.0			LIMESTONE 429' - 495' 150.9	LIMESTONE, banded impure, recrystallised, very minor scheelite mineralisation along joints.	
	438	439	1.0	1.0				BRECCIA - strongly brecciated limestone with angular fragments to 1" recemented with calcite, some minor pyroxene and garnet rims on fragments.	F

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL LOG DRILL HOLE No. 282

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo	UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
	439	472	33	33	0.16	(0.01		LIMESTONE - mid-grey finely crystalised, strongly banded with black flecks and solid bands, minor garnet and pyroxene bands, unit essentially massive and uniform.	
A1046	472	476	4	4				PYROXENE SKARN, quartz, pyroxene chlorite and minor garnet replacement zone, irregular banded limestone - bands of coarse grained scheelite.	
	476	490.5	14.5	14				LIMESTONE - mid-grey crystalline banded as above.	
	490.5	492	1.5	1.5				PYROXENE HORNFELS ± banded with some biotite and garnet bands - pyrite veins and disseminations.	
	492	495	3	3				LIMESTONE - Mid-grey, very mottled and altered in part - calcite veinlets.	
	495 1509	501 1527	6	6				PYROXENE BIOTITE HORNFELS - banded in units of 2 to 6 inches.	
	501	553.5	52.5				BIOTITE HORNFELS 501' - 553.5' 1687	BIOTITE HORNFELS - fine siliceous banded irregularly with small bands of pyroxene hornfels and occasional garnet hornfels.	
	553.5	571	17.5				BIOTITE/PYROXENE HORNFELS 553.5 - 571' 1740	BIOTITE AND PYROXENE HORNFELS, irregularly interbadded in units to 0'3". Irregular calalite ovoids to 0'1" with garnet and pyroxene rims sporadically throughout.	
A1047	571	575	4	4	0.17	(0.01	PYROXENE-GARNET HORNFELS 571' - 586' (P.G.H.) 1786	PYROXENE GARNET HORNFELS, fine siliceous pyroxene hornfels, many irregular calcite ovoids with pyroxene and garnet rims, some scheelite.	
1048	575	579	4	4	0.05	(0.01			
1049	579	583	4	4	0.06	0.012			
1050	583	586	3	3	0.07	(0.01			
1051	586	590	4	4	1.07	0.024	SKARN - 586'-637.5' 1943	SKARN = garnet pyroxene skarn of varying grainsize but generally even composition, many calcite ovoids replaced to varying degrees by garnet and pyroxene, some scheelite associated with ovoids. Scheelite of generally coarse grainsize disseminated throughout.	
1052	590	594.5	4.5	4.5	0.93	0.017			
1053	594.5	598	3.5	3.5	0.26	(0.01			
1054	598	600.5	2.5	2.5	0.36	(0.01			
1055	600.5	602	1.5	1.5	0.94	(0.01			
1056	602	606	4	4	0.29	(0.01			
1057	606	610	4	4	0.40	(0.01			
1058	610	614	4	4	0.33	(0.01			

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL LOG DRILL HOLE No. 282

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo	UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
A1059	614	618	4	3.5	0.37	(0.01			
1060	618	622	4	3.5	0.33	(0.01			
1061	622	626	4	3.9	0.41	(0.01			
1062	626	630	4	3.8	0.35	(0.01			
1063	630	634	4	4	0.40	(0.01			
1064	634	637.5	3.5	3.5	0.33	(0.01			
1065	637.5	639	1.5	3	0.12	(0.01		GARNET AND PYROXENE HORNFELS, fine grained,	
1066	639	643	4	4	0.07	(0.01		irregularly intermixed, very sparse calcite	
		196.0						ovoids, rare disseminated scheelite.	
1067	643	646	3	3	0.08	0.017		BIOTITE HORNFELS, fine grained generally	
		196.9						massive with some pyroxene rich blebs.	
1068	646	650	4	4	0.01	(0.01	PYROXENE GARNET HORNFELS 646' - 656', 199.9	PYROXENE GARNET HORNFELS - abundant irregular	
1069	650	654	4	4	0.06	(0.01		calcite ovoids with garnet and pyroxene rims	
1070	654	656	2	2	0.06	(0.01		with some scheelite and pyrite in a fine	
								grained siliceous rock heavily impregnated	
								with pyroxene.	
1071	656	657.5	1.5	1.5	0.15	(0.01	SKARN 656' - 659.5' 201.0	SKARN - fine grained occasional calcite blebs -	
								disseminated coarse scheelite.	
1072	657.5	659.5	2	2	2.6	0.058		SKARN, coarse grained, abundant, fine and	
								coarse scheelite, very sharp contact with	
								underlying unit.	
	659.5	692	32.5				LIMESTONE 659.5 - 692 210.9	LIMESTONE, recrystallised in a generally even	
								fine to medium grainsize occasional coarse	
								bands. Strongly banded in basal half of unit	
								with fine pyroxene biotite and garnet bands	
								and partings. 678 - 683 very clay puggy zone ?F	
								associated with probable major joint or	
								solution zone.	
1073	692	694	2	2	0.10	(0.01		BANDED MARBLE, biotite hornfels and garnet	
								hornfels, fine disseminated scheelite.	
1074	694	698	4	4	1.4	0.033	SKARN	SKARN, medium grained generally uniform	
1075	698	700	2	2	0.79	0.017		pyroxene garnet skarn, siliceous in part,	
1076	700	703	3	3	1.32	0.025		becomes banded towards base, disseminated	
								fine and coarse scheelite throughout.	

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILLING DRILL HOLE No. 282

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo	UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
A1077	703	704.5	1.5	1.5	0.25	(0.01	BANDED HORNFELS 703 - 743.5 214-3 226.6	BANDED HORNFELS - Pyroxene Biotite and Garnet Hornfels interbedded in variable and irregular units to 2 inches but generally less than ½". Minor scheelite associated with garnet bands in top 3 feet.	
1078	704.5	706.5	2	2	0.05	(0.01			
	706.5	712	5.5	5.1					
	712	720	8	8				BIOTITE HORNFELS - generally fine massive siliceous, with thin banding, center.	
	720	725.5	5.5					MARBLE, finely recrystallised slightly banded.	
	725.5	729	3.5	3.5				BIOTITE/PYROXENE HORNFELS - banded irregularly.	
A3728	729	731	2	2				SKARN, coarse grained pyroxene rich skarn with calcite, quartz and epidote major accessory minerals. Disseminated Molybdenite, Pyrite Chalcopyrite and Pyrrhotite.	
A3729	731	733	2	2					
A3730	733	734	1	1					
A3731	734	736	2	2				CALCITE HORNFELS, very altered and recrystallised marble, irregular bands of garnet and pyroxene and biotite hornfels and skarn. Three 6" bands rich in scheelite.	
A3732	736	738	2	2					
A3733	738	740	2	2					
A3734	740	742	2	2					
A2735	742	743.5	1.5	1.5					
	743.5	785	41.5	36.5			BIOTITE/PYROXENE HORNFELS 743.5 - 856.4' 261.0	BIOTITE/PYROXENE HORNFELS, well banded, occasional thin garnet rich bands. 771'-775' Skarn band with disseminated scheelite. Pyritic veinlets and joint facings common in basal 4 feet.	
	785	827	42	37				BIOTITE/PYROXENE HORNFELS - altered and brecciated, numerous veins of pyrite calcite and bands and veinlets of chlorite and hematite. Some serpentinised sections.	
	827	856.4	29	29				BIOTITE/PYROXENE HORNFELS - generally thinly banded, occasional limy garnetiferous bands or blebs. Disseminated scheelite throughout. <0.1% band of crystalline quartz with pyroxene band at edge, at 855.65', contains > 1% WO_3.	
	856.4	958.0	101.5	91.5			GRANITE 856.4' - 958'	GRANITE, Coarse grained, high content alkali feldspar, porphytic granite. Mafic minerals primarily biotite with some hornblende.	

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL LOG

SHEET No. 8 of 8. (O)

DRILL HOLE No. 282

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS				UNIT	GEOLOGICAL DESCRIPTION	FRACTURIN
										Xenolithic. Scheelite free. Some haematitic staining from 902' to 911'. 2 Xenoliths at 179.25' to 880.5'. Very badly broken from 936'. Could represent extreme weathering or faulting.	
										End of Hole	

DIAMOND DRILL HOLE 282 (AMDEL ASSAYS)

Logged By: P. Le Messurier

SAMPLE	FOOTAGES From	To	Length		ASSAY WO_3	Mo	Au	REMARKS
A1010	90 27.4	93	3		0.07	0.02	0.21	
1011	93 28.3	95	2	1.71	0.50	0.05	1.00	
1012	95 28.9	97	2		0.93	0.06	1.86	
1013	97 29.6	99	2	1.27	1.13	0.10	2.26	
1014	99 30.2	101	2		1.42	0.07	2.84	
1015	101 30.8	103	2	.50	0.93	0.10	1.86	
1016	103 31.4	106.5	3.5		0.26	0.02	0.91	A_1 Lens -
1017	106.5 32.5	109.5	3	.90	1.48	0.09	4.44	50.5 Feet
1018	109.5 33.4	112	2.5		0.21	0.02	0.525	at 0.85% WO_3
1019	112 34.1	115.2	3.2	.59	0.70	0.03	2.24	
1020	115.2 35.1	116	0.8		0.16	0.01	0.128	Mo: 0.048
1021	116 35.3	118.5	2.5	.69	1.12	0.05	2.8	
1022	118.5 36.1	121	2.5		0.26	0.02	0.65	
1023	121 36.9	123.5	2.5	.74	0.22	0.01	0.55	
1024	123.5 37.6	126	2.5		1.26	0.11	3.15	
1025	126 38.4	128	2	1.07	1.18	0.07	2.36	
1026	128 39.0	131	3		1.00	0.06	3.00	
1027	131 39.9	134	3	.71	0.46	0.03	1.38	
1028	134 40.8	136.5	2.5		1.02	0.05	2.55	
1029	136.5 41.6	139	2.5	1.28	2.27	0.11	5.675	
1030	139 42.4	141.5	2.5		0.30	0.02	0.75	
1031	141.5 43.1	143.5 43.7	2		0.97	0.05	1.94	
A1032	243 74.1	245	2	.13	0.07	(0.01	0.14	
1033	245 74.7	247.5	2.5		0.18	0.01	0.45	
1034	247.5 75.4	249.7	2.2		0.98	0.05	2.156	A_2 Lens -
A1035	249.7 76.1	254.5	4.8		0.08	(0.01	0.384	19.5 Feet
1036	254.5 77.6	257	2.5		0.81	0.04	2.025	at 0.48% WO_3
1037	257 78.3	261.5	4.5		0.07	(0.01	0.315	Mo: 0.025%
1038	261.5 79.7	263	1.5	.75	0.11	(0.01	0.165	
1039	263 80.2	267 81.4	4		0.99	0.04	3.96	
1040	422.5 128.8	423.5	1		0.97	0.04	0.97	B Lens -
1041	423.5 129.0	424	0.5		0.65	0.04	0.325	7 Feet at
1042	424 129.2	425	1		0.06	(0.01	0.06	0.48% WO_3
1043	425 129.5	426	1		0.82	0.02	0.82	Mo: 0.018
1044	426 129.8	427	1		0.05	(0.01	0.05	
1045	427 130.1	429.5 130.9	2.5		0.46	(0.01	1.15	

DIAMOND DRILL HOLE 282 (Amdel Assays)

Logged By: P. Le M.

SAMPLE	FOOTAGES			ASSAY			REMARKS
	From	To	Length	WO_3	Mo		
A1046	472 143.8	476 145.8	4				
A1047	571 174.0	575	4	0.14	(0.01	0.56	
1048	575 175.3	579	4	0.06	(0.01	0.24	
1049	579 176.5	583	4	0.04	(0.01	0.14	
1050	583 177.7	586	3	0.07	(0.01	0.21	
1051	586 178.6	590	4	1.05	0.03	4.20	
1052	590 179.8	594.5	4.5	0.90	0.02	4.05	
1053	594.5 181.2	598	3.5	0.30	0.01	1.05	
1054	598 182.3	600.5	2.5 .59	0.39	(0.01	0.975	
1055	600.5 183.0	602	1.5	0.92	0.01	1.38	C_1 Lens -
1056	602 183.5	606	4	1.25	0.03	5.00	51.5 Feet
1057	606 184.7	610	4	0.38	0.01	1.52	at 0.53% WO3
1058	610 185.9	614	4	0.32	0.01	1.28	Mo:
1059	614 187.1	618	4	0.34	0.01	1.36	0.014%
1060	618 188.4	622	4	0.29	0.01	1.16	
1061	622 189.6	626	4	0.36	0.01	1.44	48' @ .54
1062	626 190.8	630	4	0.31	0.01	1.24	
1063	630 192.0	634	4	0.36	0.01	1.44	
1064	634 193.2	637.5 194.3	3.5 .34	0.29	0.01	1.16	
1065	637.5 194.3	639	1.5	0.13	(0.01	0.195	
1066	639 194.8	643	4	0.09	(0.01	0.36	
1067	643 196.0	656	3	0.05	(0.01	0.15	
1068	646 196.9	650	4	0.04	(0.01	0.16	
1069	650 198.1	654	4	0.04	(0.01	0.16	
1070	654 199.3	656	2 .09	0.04	(0.01	0.08	
1071	656 199.9	657.5	1.5	0.17	(0.01	0.255	
1072	657.5 200.4	659.5 201.0	2	3007	0.08	6.14	
A1073	692 210.9	694	2	0.15	(0.01	0.30	
1074	694 211.5	698	4	1.61	0.05	6.44	C_2 Lens -
1075	698 212.7	700	2	0.75	0.03	1.50	9 Feet at
1076	700 213.4	703 214.3	3	1.22	0.04	3.66	1.28% WO_3
1077	703 214.3	704.5	1.5 .11	0.20	0.01	0.30	Mo:
1078	704.5 214.9	706.5 215.3	2	0.04	(0.01	0.08	0.042%

DIAMOND DRILL HOLE 282 (KIS Assay)

Logged By P. Le Messurier.

SAMPLE	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A	REMARKS
A1010	90 27.4	93	3	0.07	0.016	0.21	
A1011	93 28.3	95	2	0.58	0.072	1.16	
A1012	95 28.9	97	2	1.02	0.052	2.04	
A1013	97 29.6	99	2	1.23	0.095	2.46	
A1014	99 30.2	101	2	1.45	0.056	2.90	
A1015	101 30.9	103	2	1.04	0.038	2.08	
A1016	103 31.4	106.5	3.5	0.29	0.039	1.015	
A1017	106.5 32.5	109.5	3	1.60	0.058	4.80	A_1 Lens -
A1018	109.5 33.4	112	2.5	0.21	0.013	0.525	50.5 Feet
A1019	112 34.1	115.2	3.2	0.79	0.064	2.528	At 0.89%
A1020	115.2 35.1	116	0.8	0.15	(0.01	0.12	WO_3
A1021	116 35.3	118.5	2.5	1.18	0.027	2.95	
A1022	118.5 36.1	121	2.5	0.24	0.015	0.60	
A1023	121 36.9	123.5	1.5	0.23	0.01	0.345	
A1024	123.5 37.6	126	2.5	1.36	0.156	3.4	
A1025	126 38.4	128	2	1.28	0.076	2.56	
A1026	128 39.0	131	3	1.06	0.058	3.18	
A1027	131 39.9	134	3	0.47	0.056	1.41	
A1028	134 40.8	136.5	2.5	1.02	0.044	2.55	
A1029	136.5 41.6	139	2.5	2.43	0.088	6.075	
A1030	139 42.4	141.5 43.9	2.5	0.25	0.015	0.625	
A1031	141.5 43.1	143.5	2	0.88	0.040	1.76	
A1032	243 74.0	245	2	0.04	(0.01	0.08	
A1033	245 74.7	247.5	2.5	0.15	(0.01	0.375	
A1034	247.5 75.4	249.7	2.2	0.97	0.042	2.134	A_2 Lens -
A1035	249.7 76.1	254.5	4.8	0.09	0.022	0.432	19.5 Feet
A1036	254.5 77.6	257	2.5	0.84	0.05	2.10	at 0.46%
A1037	257 78.3	261.5	4.5	0.06	(0.01	0.27	WO_3
A1038	261.5 79.7	263	1.5	0.07	(0.01	0.105	
A1039	263 80.2	267 81.4	4	0.98	0.038	3.92	
A1040	422.5 128.8	423.5	1	0.99	0.037	0.99	7 Feet at
A1041	423.5 129.1	424	0.5	0.06	0.013	0.03	0.54% WO_3
A1042	424 129.4	425	1	0.67	0.038	0.67	
A1043	425 129.5	426	1	0.83	0.021	0.83	
A1044	426 129.8	427	1	0.19	0.012	0.19	
A1045	427 130.1	429.5 130.9	2.5	0.43	0.021	1.075	
A1046	472 143.9	476 145.1	4	0.16	(0.01	0.64	
A1047	571 174.0	575	2	0.17	(0.01	0.34	
A1048	575 175.3	579	4	0.05	(0.01	0.20	

DIAMOND DRILL HOLE 282 (KIS Assays)

Logged By P. Le Messurier.

SAMPLE	FOOTAGES From	To	Length	ASSAYS WO_3	Mo	L X A	REMARKS
A1049	579 176.5	583	4	0.06	0.012	0.24	
A1050	583 177.9	586	3	0.07	(0.01	0.21	
A1051	586 178.6	590	4	1.07	0.024	4.28	
A1052	590 179.8	594.5	4.5	0.93	0.017	4.185	
A1053	594.5 181.2	598	3.5	0.26	(0.01	0.91	
A1054	598 182.3	600.5	2.5	0.36	(0.01	0.90	
A1055	600.5 183.0	602	1.5	0.94	(0.01	1.41	
A1056	602 183.5	606	4	0.29	(0.01	1.16	51.5 Feet
A1057	606 184.7	610	4	0.40	(0.01	1.60	at 0.47% WO_3
A1058	610 185.9	614	4	0.33	(0.01	1.32	
A1059	614 187.1	618	4	0.37	(0.01	1.48	
A1060	618 188.4	622	4	0.33	(0.01	1.32	
A1061	622 189.6	626	4	0.41	(0.01	1.64	
A1062	626 190.8	630	4	0.35	(0.01	1.40	
A1063	630 192.0	634	4	0.40	(0.01	1.60	
A1064	634 193.2	637.5	3.5	0.33	(0.01	1.155	
A1065	637.5 194.3	639	1.5	0.17	(0.01	0.255	
A1066	639 194.8	643	4	0.07	(0.01	0.28	
A1067	643 196.0	646	3	0.08	0.017	0.24	
A1068	646 196.9	650	4	0.01	(0.01	0.04	
A1069	650 198.1	654	4	0.06	(0.01	0.24	
A1070	654 199.3	656	2	0.06	(0.01	0.18	
A1071	656 199.9	657.5	1.5	0.15	(0.01	0.0225	
A1072	657.5 200.4	659.5 201.0	2	2.6	0.058	5.2	
A1073	692 210.9	694	2	0.1	(0.01	0.03	
A1074	694 211.5	698	4	1.4	0.033	5.6	10.5 Feet
A1075	698 212.7	700	2	0.79	0.017	1.58	at 1.09% WO_3
A1076	700 213.4	703	3	1.32	0.025	3.96	
A1077	703 214.3	704.5	1.5	0.25	(0.01	0.375	
A1078	704.5 214.7	706.5 215.3	2	0.05	(0.01	0.10	
A3728	729 222.2	731	2	0.05	0.082		
A3729	731 222.8	733	2	0.04	0.202		
A3730	733 223.4	734	1	0.10	0.243		
A3731	734 223.7	736	2	0.21	0.050		
A3732	736 224.3	738	2	0.04	(0.01		
A3733	738 224.9	740	2	0.02	(0.01		
A3734	740 225.0	742 226.2	2	0.70	(0.01		
A3735	742 226.2	743.5 226.6	1.5	0.05	(0.01		

Possible fault 807' (248.6 m) breccia recemented by $CaCo_3$ - Many think chlorite joints (probably not much movement bph - bph) ± many be in response to major fault below.

Major fault zone

780' (237.7 m) - 795' (242.3 m) Breccia recemtned by $CaCo_3$ + clinahumite -

bph - bph

Fault - thick carboniate in much chlorite ch-ch @ 674' (205.4 m) - 676' (206 m)

Possible

Fault - Carbonate + breccia + clinohumite 163.4 636' pbh - pbh.

Possbile fault 155.20 m carbonate _ chlorite

pbh - wottled bh.

Major

Fault - brecciat + carbonate at 146 m ch-ch contact

Major fault 133.5 m

bh breccia in $CaCO_3$ ch - ch contact

Major fracture (103 m) in LV

Fault LV - band pbh contact breccia + carbonate @106 m

Fault 223' (68.0 m) breccia _ $CaCO_3$ ap? - pgh contact.

Cone missing b/m 43 - 26 m

Much leached @ 43 m in ch .

At 27 m in ph possible fault in this region??

DDH 282

PROJECTION TO E W SECTION
SCALE 1" - 50'

W ← → E

PROJECTION TO N S SECTION
SCALE 1" - 50'

N S

1

2

3

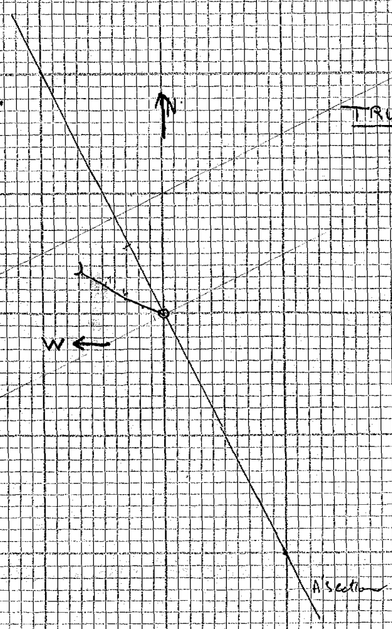
4

900

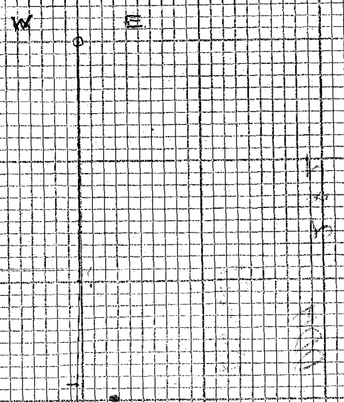
N

DDH 282

PLAN VIEW
SCALE 1"=50'.



TRUE VERTICAL PROJECTION
SCALE 1"=50'



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DDH/282

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

1	2	3	4	5	6	7	8	9	10	11	12
Depth	Course Length	Drift Angle	Cosine Sine	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine	Contangent Tangent	Deflection
0	20		1.00 .0	0	0	0	0				
20	20	30'	1.00 0.0087	.0087	20	20	0.174	N33W	.8387 .5446	.6494	0.174
40	20	30'	1.00 0.0087	.0087	20	40	0.174	N25W	.9063 .4226	.4663	0.348
60	20	30'	1.00 0.0087	.0087	20	60	0.174	N75W	.2588 .9659	.2679	0.522
80	20	1°	0.9998 0175	0175	19.996	79.996	0.3480	N83W	.1219 .9925	.1228	87.
100	20	1°	9998 0175	0175	19.996	99.992	0.3480	N75W 285	.2558 .9659	.2679	1.2180
120	20	1° 30'	9997 0262	0262	19.994	119.986	0.5240	N68W	.3746 .9272	.4040	1.74
140	20	1° 30'	9997 0262	0262	19.994	139.980	0.5240	N68W	.3746 .9272	.4040	2.266
160	20	1° 30'	9997 0262	0262	19.994	159.974	0.5240	N68W	.3741 .9272	.4040	2.790
180	20	1°30'	9997 0262	0262	19.994	179.968	0.5240	N66W	.4067 .9135	.4452	3.314
200	20	1° 30'	9997 0262	0262	19.994	199.962 (60.95)	0.5240	N64W 296	.4384 .8988	.4877	3.838
220	20	1° 45'	9995 0305	0306	19.990	219.952	0.6100	N63W	.4540 .8910	.5095	4.448
240	20	1° 45'	9995 0305	0306	19.990	239.942	0.610	N61W	.4848 .8746	.5543	5.058
260	20	2°	9994 0349	0349	19.988	259.930	0.698	N61W	.4848 .8746	.5543	5.756
280	20	2°	9994 0349	0349	19.988	279.918	0.698	N64W	.4384 .8988	.4877	6.454
300	20	2° 15'	9994 0393	0393	19.984	299.902 (91.41)	0.786	N64W 296	.4384 .8988	.4877	7.240
320	20	2°	9994 0349	0349	19.988	319.890	0.698	N65W	.4226 .9063	.4663	7.938
340	20	2°	9994 0349	0349	19.988	339.878	0.698	N64W	.4384 .8988	.4877	8.636
360	20	2°	9994 0349	0349	19.988	359.866	0.698	N65W	.4226 .9063	.4663	9.334
380	20	2° 15'	9992 0393	0393	19.984	379.850	0.786	N64W	.4384 .8988	.4877	10.120
400	20	2° 30'	9990 0436	0437	19.980	399.830 (121.87)	0.872	N65W 295	.4226 .9063	.4663	10.79
420	20	2° 30'	9990 0436	0437	19.980	419.810	0.872	N65W	.4226 .9063	.4663	11.864
440	20	2° 30'	9990 0436	0437	19.980	439.790	0.872	N65W	.4226 .9063	.4663	12.736
460	20	2° 45'	9988 0480	0480	19.976	459.776	0.960	N67W	.3907 .9205	.4245	13.696
480	20	3°	9986 0523	0524	19.972	479.738	1.046	N61W	.4848 .8746	.5543	14.74
500	20	3°	9986 0523	0524	19.972	499.710 (152.31)	1.046	N61W 299	.4848 .8746	.5543	15.788
520	20	3° 15'	9984 0567	0568	19.968	519.678	1.134	N62W	.4695 .8829	.5317	16.92
540	20	3° 15'	9981 0567	0568	19.964	539.640	1.134	N63W	.4540 .8910	.5095	18.056
560	20	3° 30'	9981 0610	061V	19.96V	559.602	1.220	N62W	.4695 .8829	.5317	19.276
580	20	3° 30'	9981 0610	061V	19.96V	579.564	1.220	N61W	.4848 .8746	.5543	20.48

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

13		14		15		16	
Co-ordinate Difference				Rectangular Difference			
N	S	E	W	N	S	E	W
0			0	0			0
0.146			0.095	0.146			0.095
0.158			0.074	0.304			0.169
0.045			0.168	0.349			0.337
0.042			0.345	0.391			0.6821
0.089			0.336	0.480			1.018
0.196			0.486	0.676			1.504
0.196			0.486	0.872			1.990
0.196			0.486	1.068			2.476
0.213			0.479	1.281			2.955
0.230			0.471	1.511 (.46)			3.426 (1.04)
0.277			0.544	1.788			3.970
0.296			0.534	2.084			4.504
0.338			0.610	2.422			5.114
0.306			0.627	2.728			5.741
0.345			0.706	3.073 (.94)			6.447 (1.96)
0.295			0.633	3.368			7.080
0.306			0.627	3.674			7.707
0.295			0.633	3.969			8.340
0.345			0.706	4.314			9.046
0.369			0.790	4.683 (1.43)			9.836 (3.0)
0.369			0.790	5.052			10.626
0.369			0.790	5.421			11.416
0.375			0.884	5.796			12.300
0.507			0.915	6.303			13.215
0.507			0.915	6.810 (2.08)			14.130 (4.31)
0.532			1.001	7.342			15.131
0.515			1.010	7.857			16.141
0.573			1.077	8.430			17.218
0.591			1.067	9.021			18.285

DDH/282

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

1	2	3	4	5	6	7	8	9	10	11	12
Depth	Course Length	Drift Angle	Cosine Sine	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine	Contangent Tangent	Deflection
600		3° 30′	9981 0610	0617	19.962	599.526 (182.74)	1.220	N60 W (300)	.5000 .8660	.5774	21.716
620		3° 15′	9984 0567	0568	19.968	619.494	1.134	N 59W	.5150 .8572	.6009	22.850
640		3°15′	9984 0567	0568	19.968	639.462	1.134	N62W	.4695 .8829	.5317	23.984
660		3° 15′	9984 0567	0568	19.968	659.430	1.134	N 59W	.5150 .8572	.6009	25.118
680		3° 15′	9984 0567	0568	19.968	679.398	1.134	N 59W	.5150 .8572	.6009	26.252
700		3° 15′	9984 0567	0568	19.968	699.366 (213.17)	1.134	N60W (300)	.5000 .8660	.5774	27.386
720		3° 30′	9981 0610	0617	19.962	719.328	1.220	N60W	.5000 .8660	.5774.	28.606
740		3° 15′	9984 0567	0568	19.968	739.296	1.134	N59W	.5150 .8572	.6009.	29.740
760		3° 15′	9984 0567	0568	19.968	759.264	1.134	N60W	.5000 .8660	.5774.	30.874
780		3° 15′	9984 0567	0568	19.968	779.232	1.134	N60W	.5000 .8660	.5774.	32.008
800		3° 30′	9981 0610	0617	19.962	799.194 (213.60)	1.220	N60W (300)	.5000 .8660	.5774.	33.228
820		3° 30′	9981 0610	0617	19.962	819.156	1.220	N59W	.5150 .8572	.6009.	34.448
840		3° 30′	9981 0610	0617	19.962	839.118	1.220	N 58W	.5299 .8480	.6249.	35.668
860		3° 30′	9981 0610	0617	19.962	859.080	1.220	N58W	.5299 .8480	.6249.	36.888
880		3° 15′	9984 0567	0568	19.968	879.048	1.134	N55W	.5736 .8192	.7002.	38.022
900		3° 15′	9984 0567	0568	19.968	899.016 (274.02)	1.134	N55W (305)	.5736 .8192	.7002.	39.156
900		3° 15′	9984 0567	0568	19.968	899.132	1.134	N55W	.5736 .8192	.7002.	35.424
880	20	3° 30′	9981 0610	0617	19.962	879.164	1.220	N55W	.5736 .8192	.7002.	34.290
860	20	3° 30′	9981 0610	0617	19.962	859.202	1.220	N57W	.5446 .8387	.6494.	33.070
840		3° 30′	9981 0610	0612	19.962	839.240	1.220	N57W	.5446 .8387	.6494	31.850
820		3° 45′	9966 0852	0831	19.932	819.278	1.656	N59W	.5150 .8572	.6009	30.630
800		3° 30′	9981 0610	0617	19.962	799.346	1.220	N54W	.5878 .8090	.7265	28.974
780		3° 15′	9984 0567	0568	19.968	779.384	1.134	N60W	.5000 .8660	.5774	27.759
760		3° 15′	9985 0567	0568	19.970	759.416	1.134	N58W	.5299 .8480	.6249.	26.620
740		3° 15′	9985 0567	0568	19.970	739.446	1.134	N57W	.5446 .8387	.6494.	25.486
720		3° 30′	9981 0610	0612	19.962	719.476	1.220	N58W	.5299 .8480	.6249.	24.352
700		3° 30′	9981 0610	0612	19.962	699.514	1.220	N59W	.5150 .8572	.6009.	23.132
680		3° 30′	9981 0610	0612	19.962	679.952	1.220	N60W	.5000 .8660	.5774	21.912
660		3° 30′	9981 0610	0612	19.962	659.590	1.220	N60W	.5000 .8660	.5774.	20.692
640		3° 15′	9985 0567	0568	19.970	639.628	1.134	N62W	.4695 .8829	.5317	19.472

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

13		14		15		16	
Co-ordinate Difference				Rectangular Difference			
N	S	E	W	N	S	E	W
0.610			1.057	9.631 (2.93)			19.342 (5.89)
0.584			0.972	10.215			20.314
0.532			0.983	10.747			21.297
0.573			0.972.	11.320			22.269
0.584			0.972.	11.904			23.241
0.567			0.982	12.471 (3.80)			24.223 (7.38)
0.610			1.057	13.081.			25.280
0.573			0.972.	13.654			26.252
0.567			0.982.	14.221			27.234
0.567			0.982.	14.788			28.216
0.610			1.057	15.398 (4.7)			29.273 (8.92)
0.628			1.046	16.026			30.319
0.646			1.035	16.672			31.354
0.646			1.035	17.318			32.389
0.650			0.929	17.968			33.318
0.650			0.929	18.618 (5.4)			34.247 (10.44)

D014 282

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

1	2	3	4	5	6	7	8	9	10	11	12
Depth	Course Length	Drift Angle	Cosine Sine	Cotangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine	Cotangent Tangent	Deflection
620	20	3° 15'	9985 0567	0568	19.970	619.658	1.134	N60 W.	0.5 0.8660	0.5774	18.338
600	20	3° 15'	9985 0567	0568	19.970	599.688	1.134	N61 W	.4848 .8746	.5543	17.204
580	20	3° 15'	9985 0567	0568	19.970	579.718	1.134	N62W	0.4695 .8829	.5317	16.070
560	20	3°	9986 0523	0524	19.97V	559.748	1.046	N60W	.5000 .8660	.5774	14.936
540	20	3°	9986 0523	0524	19.97V	539.776	1.046	N60W	.5000 .8660	.5774	13.890
520	20	2° 30'	9990 0436	0437	19.980	519.804	0.872	N60°W	.5000 .8660	.5774	12.844
500	20	2° 30'	9990 0436	0437	19.980	499.824	0.872	N59W	.5150 .8572	.6009	11.972
480	20	2° 30'	9990 0436	0437	19.980	479.844	0.872	N59W	.5150 .8572	.6009	11.100
460	20	2° 30'	9990 0436	0437	19.980	459.864	0.872	N58W	.5299 .8480	.6249	10.228
440	20	2° 30'	9990 0436	0437	19.980	439.884	0.872	N56W	.5592 .8290	.6745	9.356
420	20	2° 15'	9991 0393	0393	19.984	419.904	0.786	N56W	.5592 .8290	.6745	8.484
400	20	2° 15'	9991 0393	0393	19.984	399.920	0.786	N59W	.5150 .8572	.6009	7.698
380	20	2°	9994 0349	0349	19.988	379.936	0.698	N61°W	.4848 .8746	.5543	6.912
360	20	1 45'	9995 0305	0306	19.990	359.948	0.792	N61W	.4848 .8746	.5543	6.214
340	20	1 45'	9995 0305	0306	19.990	339.958	0.792	N56W	.5592 .8290	.6745	5.422
320	20	1 30	9997 0262	0262	19.994	319.968	0.524	N60W	.5000 .8660	.5774	4.630
300	20	1 30	9997 0262	0262	19.994	299.974	0.524	N60W	.5000 .8660	.5774	4.106
280	20	1 30	9997 0262	0262	19.994	279.980	0.524	N62W	.4695 .8829	.5317	3.582
260	20	1 15	9998 0480	0480	19.996	259.986	0.960	N63W	.4540 .8910	.5095	3.058
240	20	1 15	9998 0480	0480	19.996	239.990	0.960	N63W	.4540 .8910	.5095	2.098
220	20	1°	9998 0175	0175	19.996	219.994	0.350	N62W	.4695 .8829	.5317	1.138
200	20	45'	9999 0131	0131	19.998	199.998	0.262	N62W	.4695 .8829	.5317	0.788
180	20	30'	1.0000 .0087	.0087	20	180	0.174	N65W	.4226 .9063	0.4663	0.526
160	20	15'	1.000 0044	0044	20	160	0.088	N60W	0.5000 0.8660	.5774	0.352
140	20	15'	1.0000 0044	0044	20	140	0.088	N35W	0.8192 0.5736	0.7002	0.264
120	20	15'	1.0000 0044	0044	20	120	0.086	—			0.176
100	20	15'	1.0000 .0044	0044	20	100	0.088.	—			0.088
80	20	0	1.0000 0	0	20	80	0.	—			0
60	20	0				60	0.	—			0
40	20	0				40	0	—			0
20		0				20	0	—			0
0		0				0	0.				

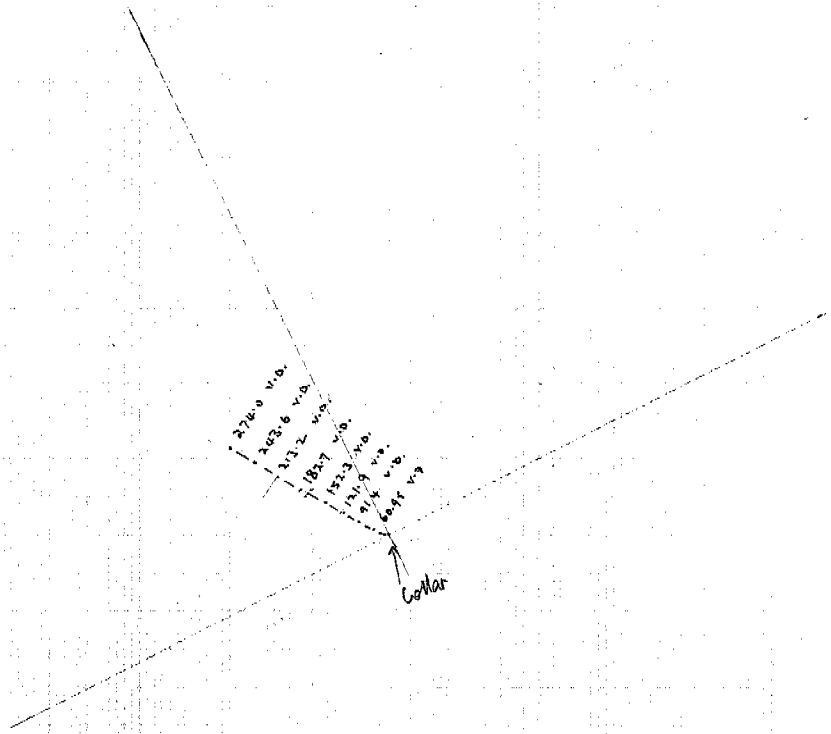
DDH 282

Scale 1:500

Plan View

Total depth : 958' 292.0 m

Surveyed to : 900' 274.32 m



DIAMOND DRILL HOLE NO. 279

LOCATION:	No. 3 Orebody
CO-ORDINATES:	800E, 9,600N
ACTUAL DRILLED:	800.1E, 9591.3N
R.L.:	390.5 Feet 119.02 3.29 122.31
DATE COMMENCED:	22nd September, 1969.
DATE COMPLETED:	17th October, 1969.
FINAL DEPTH:	1072 Feet 328 326.7
DATE SURVEYED:	24th October, 1969.
LOGGED BY:	P. Le Messurier.

340.5

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL LOG DRILL HOLE No. 279

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	Mo	Mo	WO_3	Mo(C)	UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
	0	50	50	-							No Core - Surface sand and clay and highly weathered rock.	
A0453	50	52	2	2	0.07	0.013	<.010		(0.01	QUARTZITE 50' - 210' 15-2 64.0	QUARTZITE - mid-grey very fine grained,	
A0454	52	53	1	1	0.08	0.85	0.660		0.660		massive biotite fracture in part, numerous	
A0455	53	54	1	1	0.07	0.25	0.153		<.153		small aplite veins. Molybdenite mineralisation	
A0456	54	55	1	1	0.08	0.04	0.022		0.022		disseminated throughout but increasing in	
A0457	55	56	1	1	0.10	0.77	0.605		0.605		density in and adjacent to the aplites.	
A0458	56	58	2	2	0.07	0.38	0.378		0.378			
A0459	58	59	1	1	0.06	0.022	0.011		<.011			
A0460	59	61	2	2	0.08	0.018	0.010		0.010			
A0461	61	62	1	1	0.08	0.030	0.010		0.010			
A0462	62	64	2	2	0.20		0.016		0.			
A0463	64	65	1	1	0.08		0.017					
A0464	65	72	7	1.5	0.19		0.033					
A0465	72	74	2	2	0.06		<.010					
A0466	74	75	1	1	0.05		0.086					
A0467	75	77	2	2	0.08		0.231			APLITE 75'-90' 22.9 27.4	APLITE, generally medium to coarse grained,	
A0468	77	78	1	1	0.07		0.090				strong hydrothermal alteration in parts with	
A0469	78	80	2	2	0.06		2.876				epidote chlorite and (?) calcsilicates,	
A0470	80	82	2	2	0.05		0.162				included bands and fragments ? of quartzite,	
A0471	82	84	2	2	0.06		0.136				disseminated mineralisation of Molybdenite.	
A0472	84	86	2	2	0.06		0.089					
A0473	86	88	2	2	0.03		0.250					
A0474	88	90	2	2	0.04		0.097					
A0475	90	92	2	2	0.04		0.176				QUARTZITE, mid-grey, very fine becoming lighter	
A0476	92	94	2	2	0.04		0.055				in colour and cryptocrystalline towards base,	
A0477	94	96	2	2	0.05		0.010				disseminated Molybdenite mineralisation through-	
A0478	96	97	1	1	0.04		0.067				out, increasing to strongly mineralised in part.	
A0479	97	98	1	1	0.05		3.615				Some minor aplite veins to 0'6" generally	
A0480	98	99	1	1	0.04	0.55	0.493				associated with higher grade mineralisation.	
A0481	99	101	2	2	0.04	0.05	0.026					
A0482	101	102	1	1	0.03		1.365					
A0483	102	106	4	4	0.04	0.057	0.036					
A0484	106	110	4	4	0.03		0.018					
A0485	110	114	4	4	0.04		0.049					
A0486	114	116	2	2	0.03		0.349			APLITE 114' -139' 34.7 42.3	APLITE, quartz rich fine grained, very minor	
A0487	116	120	4	4	0.04	0.05	0.040				mafice content irregular bands and fragments	
A1221	120	124	4	4	0.11	0.02		0.11			of quartzite throughout. Disseminated Moly-	
A1222	124	128	4	4	0.10	0.02					bdenite mineralisation with minor bands.	

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL LOG DRILL HOLE No. 279

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo	ASSAYS WO_3	UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
A1223	128	130	2	2	0.09	0.02				
A1224	130	132	2	1	0.11	0.07	0.10			
A1225	132	134	2	2	0.11	0.05	0.10			
A1226	134	136	2	2	0.10	0.01				
A1227	136	138	3	3	0.12	0.02	0.11			
	139	155	16	16					QUARTZITE, mid-grey and light grey mottled and spotted grades to spotted shale in part. Numerous fine aplite veins with very minor Molybdenite.	
A1228	155	157	2	2	0.10	0.07	0.10	APLITE 155' - 177'	APLITE, medium grained massive siliceous - with numerous bands of mid-grey biotite rich quartzite, disseminated Molybdenite mineralisation, with some quite strong veins.	
A1229	157	159	2	2	0.09	0.20	0.09			
A1230	159	161	2	2	0.08	0.04				
A1231	161	163	2	2	0.09	0.03				
A1232	163	165	2	2	0.11	(0.01				
A1233	165	167	2	2	0.10	(0.01				
A1234	167	169	2	2	0.09	0.07				
A1235	169	171	2	2	0.09	0.03	0.07			
A1236	171	173	2	2	0.14	0.06	0.12			
A1237	173	177	4	4	0.10	(0.01	0.08			
	177	187	10	10					QUARTZITE, mid-grey, mottled in part, a few irregular aplite veins, some with minor Molybdenite mineralisation.	
A1238	187	189	2	2	0.10	0.09			APLITE, medium grained, Molybdenite disseminated throughout.	
	189	195	6	6					QUARTZITE, Mid-grey, massive (no aplites).	
A1239	195	205	10	4	0.08	0.15	0.08		QUARTZITE & APLITE, mixed in irregular bands, very fractured, disseminated Molybdenite.	
A1240	205	210	5	3	0.07	0;01				
A1241	210	214	4	2	0.09	0.05		No. 1 FAULT ZONE	APLITE & QUARTZ veins, highly altered in part.	
A1242	214	216	2	2	0.08	0.08		PYROXENE HORNFELS 214' - 264'	PYROXENE HORNFELS - chloritised, epidotised and kaolinised in part. Prominent Molybdenite mineralisation adjecent to fault zone.	
A1243	216	218	2	2	0.09	(0.01				
A1244	218	220	2	2	0.08	(0.01	0.08			
A1245	220	224	4	4	0.07	(0.01			PYROXENE HORNFELS with irregular bands of biotite and garnet hornfels - unit grades to a garnet/pyroxene hornfels in part. Sporadic disseminated scheelite and molybdenite generally associated with calcite blebs and veins.	
A0488	224	226	2	2	0.18	0.095				
A0489	226	228	2	2	0.14	0.027				
A0490	228	230	2	2	0.08	0.078				
A0491	230	232	2	2	0.05	0.016				

65.2 80.5

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL LOG DRILL HOLE No. 279

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo	UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
A0492	232	233	1	1	0.06	(0.01		Irregularly disseminated sulphides principally pyrite and pyhrrorite with minor chalcopyrite.	
A0493	233	235	2	2	0.08	(0.01			
A0494	235	239	4	4	0.13	0.129			
A0495	239	243	4	4	0.06	0.036			
A0496	243	247	4	4	0.07	0.045			
A0497	247	248	1	1	0.06	(0.01			
A0498	248	250	2	2	0.06	(0.01		PYROXENE HORNFELS - very siliceous, fine grained, epidotised in part, a few garnet rich blebs. Many irregular blebs and veins of sulphide (attaining atol structure in part), chiefly pyrrhotite with pyrite chalcopyrite and molybdenite present.	
	250	264	14						
	264	275	11	11			BIOTITE HORNFELS 264' - 275' 83.8	BIOTITE HORNFELS - irregularly banded biotite rich siliceous rock, minor pyrite and epidote, numerous slickensided kaolinised and serpentinised joints.	
	275	302	27	25			BIOTITE/PYROXENE HORNFELS 275' - 304' 92.6	BIOTITE/PYROXENE HORNFELS, very siliceous fine grained biotite slightly more abundant - many pyrite veins and blebs.	
~~A0501~~	~~302~~	~~304~~	~~2~~	~~2~~	0.08	0.01			
A0502	304 92.6	306 93.7	2	2	1.10	0.049	SKARN 304'-314' (A LENS) 95.7	PYROXENE SKARN, a medium grained rock with well crystallised pyroxene and garnet with minor quartz calcite and biotite, pyroxene is 70% of section. Disseminated scheelite throughout.	
A0503	306	308	2	2	0.72	0.037			
A0504	308	310 94.5	2	2	0.77	0.070			
A0505	310	312	2	2	0.18	0.034			
A0506	312	314 95.7	2	2	0.40	0.021			
A0507	314	315	1	1	0.03	0.017	LIMESTONE 314' - 323' 98.4	LIMESTONE - recrystallised, numerous calcite veins and blebs.	
A0508	315	317	2	2	0.07	(0.01			
A0509	317	321	4	4	0.03	(0.01			
A0510	321	323	2	2	0.04	(0.01			
A0511	323 98.4	324	1	1	0.42	(0.01	SKARN 323' - 324'	SKARN - very altered scheelite mineralisation.	
A0512	324	326	2	2	0.08	0.031	BIOTITE HORNFELS 326' - 343' 104.5	BIOTITE HORNFELS - irregularly banded biotite rich siliceous rock, banding varies from distinct units to lenticles, swirls and blebs, a number of irregular pyroxene rich bands. Pyrite generally associated with the pyroxene bands.	
	326	343	17	17					

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL LOG DRILL HOLE No. 279

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo	UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
	343	351.5	8.5	8.5			BIOTITE PYROXENE HORNFELS 343' - 351.5' 107.1	BIOTITE PYROXENE HORNFELS, generally siliceous with Pyroxene Biotite in about equal percentage.	
	351.5	356	4.5	4.5			APLITE 351.5'-356' 109.5	APLITE - medium grained sandy texture in part, abundant muscovite in part - sporadic flecks of molybdenite.	
	356	393	47	46.5			BIOTITE HORNFELS 356' - 393' 119.8	BIOTITE HORNFELS - very fine grained siliceous with varying percentage of Biotite distributed throughout in irregular bands, lenticles and blebs. Minor pyroxene rich bands.	
	393	404	11	10.5			PYROXENE HORNFELS 393' - 404' 123.2	PYROXENE HORNFELS - fine ground siliceous, pyroxene uniformly distributed throughout a few biotite rich bands.	
A0514	404	406	2	2	0.06	0.013	PYROXENE GARNET HORNFELS 404'-438' 133.5	PYROXENE GARNET HORNFELS, fine grained pyroxene rich siliceous rock with numerous irregular blebs or ovoids of garnet and calcite, minor pyroxene and pyrite - sporadic. Coarse Grained scheelite associated with garnet rich zones.	
A0515	406	408	2	2	0.06	<0.01			
A0516	408	409	1	1	0.13	<0.01			
A0517	409	411	2	2	0.07	<0.01			
A0518	411	413	2	2	0.08	<0.01			
A0519	413	415	2	2	0.07	<0.01			
A0520	415	417	2	2	0.06	<0.01			
A0521	417	419	2	2	0.06	<0.01			
A0522	419	423	4	4	0.05	<0.01			
A0523	423	425	2	2	0.05	<0.01			
A0524	425	426	1	1	0.05	<0.01			
A0525	426	428	2	2	0.18	<0.01			
A0526	428	430	2	2	0.10	<0.01			
A0527	430	432	2	2	0.12	<0.01			
A0528	432	434	2	2	0.07	<0.01			
A0608	434	436	2	2	0.08	<0.01			
A0607	436	488	2	2	0.14	<0.01			
A0610	438	442	4	4	<0.01	0.013	APLITE 438'-450' 137.1	APLITE - medium grained, generally even in grainsize and composition very minor molybdenite and pyrite.	
A0609	442	446	4	4	<0.01	0.011			
A0611	446	450	4	4	<0.01	0.010			
A0613	450	452	2	2	<0.01	0.016		Quartz Vein, minor molybdenite and scheelite.	
A0612	452	454	2	2	0.10	0.025			

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL LOG DRILL HOLE No. 279

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo	UNIT	GEOLOGICAL DESCRIPTION	FRACTURIN
A0614	454 139	456	2	2	0.10	<0.01	SKARN 454'-493'	SKARN, even grained pyroxene garnet skarn,	
A0616	456	458	2	2	0.56	0.016	B1 Lens 456'-470'	numerous irregular calcite quartz blebs.	
A0615	458	460	2	2	0.54	0.036	14' @ 1.59%WO_3	Disseminated coarse scheelite, and several	
A0618	460	462	2	2	0.11	0.01		major scheelite veins of coarse crystals.	
A0617	462	463	1	1	0.09	0.01			
A0620	463 141.1	464 141.4	1	1	18.0	+-0.5			
A0619	464	466	2	2	0.27	<0.01			
A0622	466	468	2	2	0.35	<0.01			
A0621	468	470 143.2	2	2	0.31	<0.01			
A0623	470	472	2	2	0.11	<0.01			
A0624	472	474	2	2	0.09	<0.01		SKARN, even grained fine to medium, becoming	
A0625	474	476	2	2.10	0.107	0.017		siliceous in part, very sporadic scheelite.	
A0626	476	478	2	2	0.11	<0.01			
A0627	478	480	2	2	0.09	<0.01			
A0628	480	481	1	1.17	0.17	<0.01			
A0629	481 146.6	483 147.2	2	2	2.28	0.067	B2 Lens 481'-493'	SKARN, even grained fine to medium, garnet	
A0630	483	485	2	2	0.43	0.011	12' @ 1.01%WO_3	percentage increases, rather siliceous in	
A0631	485 147.8	487	2	2	0.79	0.025		part. Scattered coarse grained scheelite	
A0632	487	489 149.1	2	2	0.76	0.033		and fairly evenly disseminated fine grained	
A0633	489	491 149.9	2	2	1.19	0.039		scheelite.	
A0634	491	493 150.3	2	2	0.59	0.018			
A0635	493	495	2	2	0.02	<0.01	LIMESTONE 493' - 527' 160.6	LIMESTONE, recrystallised and reconstituted in	
	495	525	30	30				part, original bedding evident in part, minor	
A0646	525	527	2	2	0.03	<0.01		development of chlorite pyroxene and garnet in	
								some bands.	
A0647	527	528	1	1	0.07	<0.01	PYROXENE HORNFELS 527' - 530'	PYROXENE HORNFELS, fine grained, a few biotite	
A0648	528	530	2	2	0.06	<0.01		bands, a few sporadic scheelite grains.	
A0649	530	532	2	2	0.10	<0.01	GARNET PYROXENE HORNFELS 530'-533'	GARNET PYROXENE HORNFELS, fine grained pyroxene	
A0650	532	533	1	1	0.10	<0.01		hornfels with irregular bands and zones of	
								garnet.	
A0651	533 162.4	535	2	2	0.91	0.028	SKARN 533' - 550'	SKARN, medium and coarse grained, in part,	
A0652	535	537	2	2	0.52	0.010	B3 Lens 167.6	banded in distinct pyroxene rich and garnet	
A0653	537	539	2	2	0.64	0.016	17' @ 1.07% WO_3	rich bands. Coarse grained scheelite throughout	
A0654	538	541	2	2	1.73	0.050		but more abundant in garnet rich zones.	
A0655	541	543	2	2	0.62	0.015			
A0656	543	545	2	2.28	2.28	0.049			
A0657	545	547	2	2	1.04	0.030			
A0658	547	549	2	2	0.58	0.010			
A0659	549	550 167.6	1	1	1.50	0.042			

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL LOG DRILL HOLE No. 279

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo	UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
A0660	550	552	2	2	0.08	0.01	PYROXENE HORNFELS 550' - 563' 171.6	PYROXENE HORNFELS, fine grained, a few limey bands with some fine garnet, very occasional scheelite grains.	
A0661	552	554	2	2	0.06	0.01			
A0662	554	556	2	2	0.05	0.01			
A0663	556	558	2	2	0.06	0.01			
A0664	558	560	2	2	0.06	0.01			
A0665	560	561	1	1	0.06	0.01			
A0666	561	563	2	2	0.05	0.01			
A0667	563	564	1	1	0.07	0.01	LIMESTONE 563' - 568' 173.1	LIMESTONE, recrystallised and very altered in part to chlorite pyroxene and garnet irregularly mixed.	
A0668	564	566	2	2	0.01	0.01			
A0669	566	568	2	2	0.06	0.01			
A0670	568	570	2	2	0.05	0.01	PYROXENE BIOTITE HORNFELS 568' - 573' 174.6	PYROXENE BIOTITE HORNFELS intermixed in irregular bands. Pyroxene predominates at top of unit and biotite at base.	
A0671	570	572	2	2	0.06	0.01			
A0672	572	573	1	1	0.06	0.01			
A0673	573	575	2	2	0.07	0.011	SKARN 573' - 584' 178.0	SKARN, coarse grained pyroxene and garnet, many quartz and calcite veins and blebs.	
A0674	575	576	1	1	0.08	0.016			
A0702	576	577	1	1	0.17	0.013			
A0675	577	578	1	1	0.10	0.01			
A0676	578	580	2	2	0.18	0.01			
A0677	580	582	2	2	4.6	0.164			
A0678	582	584	2	2	0.34	0.010			
A0679	584	586	2	2	0.20	0.01	BIOTITE HORNFELS 584' - 601' 181.2	BIOTITE HORNFELS, fine grained with biotite fairly even in distribution, irregular pyroxene and garnet rich bands and blebs, a few calcite rich zones.	
A0680	586	588	2	2	0.07	0.01			
A0681	588	589	1	1	0.06	0.01			
A0682	589	593	4	4	0.08	0.015			
A0683	593	597	4	4	0.08	0.019			
A0684	597	599	2	2	0.08	0.01			
A0685	599	600	1	1	0.03	0.01			
A0686	600	601	1	1	0.03	0.01			
A0687	601 183.1	603	2	2	0.34	0.01	SKARN 601' - 623' 189.9 B/5 Lens - 22' at 0.54% WO_3	SKARN, medium to coarse grained very siliceous in part, variable mineralogy with strong banding in part, of pyroxene and garnet. Fine and coarse grained scheelite mineralisation throughout.	
A0688	603	605	2	2	0.39	0.011			
A0689	605	607	2	2	0.51	0.010			
A0690	607	609	2	2	0.25	0.01			
A0691	609	611	2	2	0.62	0.021			
A0692	611	613	2	2	0.50	0.013			
A0693	613	615	2	2	0.57	0.010			
A0694	615	617	2	2	1.48	0.031			
A0695	617	619	2	2	0.52	0.015			
A0696	619	621	2	2	0.25	0.01			
A0697	621	623 189.9	2	2	0.54	0.01			

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL LOG DRILL HOLE No. 279

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo	UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
A0698	623	625	2	2	0.08	<0.01	BIOTITE HORNFELS 623' - 629' 191.7	BIOTITE HORNFELS - minor pyroxene bands, carbonate and chloritic veins.	
A0699	625	627	2	2	0.08	0.018			
A0700	627	629	2	2	0.07	0.012			
A0701	629	631	2	2	0.02	<0.01	LIMESTONE 629' - 646' 196.9	LIMESTONE, recrystallised, banded in part.	
	631	646	15	15					
	646	725	79	76			BIOTITE PYROXENE HORNFELS 646' - 725' 221.0	BIOTITE-PYROXENE HORNFELS, fine grained siliceous rock strongly banded with varying and irregular biotite and pyroxene rich bands. Banding very irregular and discontinuous and varies to lenticles and spotty blebs in part.	
	725	733	8	8			PYROXENE GARNET HORNFELS 725' - 735' 224.0	PYROXENE GARNET HORNFELS, fine grained siliceous pyroxene rich rock with abundant irregular calcite fragments ringed and replaced by garnet, pyroxene, diopside and sulphides. Very occasional scheelite grains.	
A0703	733	735	2	2	0.06	0.011			
A0704	735 224.0	736	1	1	0.44	0.010	SKARN 735' - 761' 232.0	SKARN, medium to coarse grained, pyroxene and garnet in roughly equal proportions with calcite and quartz prominant. A few irregular fragmental sections disseminated scheelite throughout.	
A0705	736	738	2	2	0.48	<0.01			
A0706	738	740	2	2	1.31	0.031			
A0707	740	742	2	2	0.14	<0.01			
A0708	742	744	2	2	0.15	<0.01			
A0709	744	746	2	2	0.50	<0.01			
A0710	746	748	2	2	1.33	0.028			
A0711	748	750	2	2	0.93	0.020			
A0712	750	752	2	2	0.44	<0.01			
A0713	752	754	2	2	0.14	<0.01			
A0714	754	755	1	1	0.07	<0.01			
A0715	755	757	2	2	0.50	<0.01			
A0716	757	759	2	2	0.42	<0.01			
A0717	759	761 232.0	2	2	0.25	<0.01			
A0718	761	763	2	2	0.09	<0.01	PYROXENE GARNET HORNFELS 761' - 769' 234.4	PYROXENE GARNET HORNFELS - irregular ovoids and fragments of calcite rimmed with and replaced by garnet and pyroxene in a fine siliceous pyroxene rich groundmass. Sporadic fine scheelite.	
A0719	763	765	2	2	0.18	<0.01			
A0720	765	767	2	2	0.22	<0.01			
A0721	767	769	2	2	0.10	<0.01			
A0722	769	771	2	2	0.10	<0.01			
A0723	771	773	2	2	0.23	<0.01			
A0724	773	775	2	2	0.18	<0.01			
A0725	775	777	2	2	0.15	<0.01			
A0726	777	778	1	1	0.14	<0.01			

GEOPEKO LIMITED, KING ISLAND. DIAMOND DRILL LOG DRILL HOLE No. 279

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS WO_3	ASSAYS Mo	UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
A0727	778	780	2	2	0.07	<0.01	PYROXENE HORNFELS 778' - 797' 262.9	PYROXENE HORNFELS - fine grained, irregular garnet rich bands and blebs throughout, occasional calcite ovoids, minor disseminated scheelite.	
A0728	780	782	2	2	0.05	<0.01			
A0729	782	784	2	2	0.08	<0.01			
A0730	784	786	2	2	0.06	<0.01			
A0731	786	788	2	2	0.06	<0.01			
A0732	788	790	2	2	0.06	<0.01			
A0733	790	792	2	2	0.06	<0.01			
A0734	792	793	1	1	0.08	<0.01			
A0735	793	795	2	2	0.06	0.016			
A0736	795	797	2	2	0.06	<0.01			
A0739	797	799	2	2	0.08	<0.01	LIMESTONE 797' - 862' 262.7	LIMESTONE - recrystallised, such irregular garnet bands and garnet crystals, sporadic coarse scheelite.	
A0737	799	800	1	1	0.04	<0.01			
A0738	800	802	2	2	0.02	0.01			
	802	841	39	38				LIMESTONE, recrystallised, massive a few impure bands.	
	841	853	12	12				LIMESTONE - very impure strongly banded with bands of pyroxene, biotite and garnet.	
A0742	853	855	2	2	0.03	<0.01		LIMESTONE, many garnet bands, sporadic coarse scheelite.	
A0743	855	857	2	2	0.03	<0.01			
A0744	857	859	2	2	0.03	<0.01			
A0745	859	860	1	2	0.02	<0.01			
A0746	860	862	2	2	0.02	<0.01			
[illegible]	862	885	23	23			BANDED HORNFELS 86[illegible] - 913' 278.3	BANDED HORNFELS - Pyroxene, Biotite, Garnet and Calcite rich bands, irregularly interbedded most units 6" to 12" in width, some minor scheelite associated with garnet rich bands.	
A0747	885	887	2	2	0.03	<0.01			
A0748	887	889	2	2	0.12	<0.01			
A0749	889	890	1	1	0.12	<0.01			
A0750	890	892	2	2	0.01	<0.01			
	892	913	21	21					
	913	926	13	13			BIOTITE PYROXENE HORNFELS 913' - 961' 292.9	BIOTITE PYROXENE HORNFELS, fine grained will banded pyroxene and biotite roughly in equal proportions.	
A0751	926	928	2	2	0.06	<0.01			
A0752	928	930	2	2	0.22	<0.01			
A0753	930	931	1	1	0.06	<0.01			
A0754	931	933	2	2	0.06	<0.01			
A07[illegible]	933	961	28	28					
	961	994.5	33.5	32			BANDED HORNFELS 96[illegible] - 994.5' 303.1	BANDED HORNFELS - Pyroxene, Biotite, Garnet and Calcite rich bands irregularly interbedded. Minor scheelite associated with garnet bands.	

GEOPEKO LIMITED, KING ISLAND.

DIAMOND DRILL LOG

DRILL HOLE No. 279

SAMPLE No.	DISTANCE FROM	DISTANCE TO	LENGTH SAMPLED	LENGTH REC'D.	ASSAYS	UNIT	GEOLOGICAL DESCRIPTION	FRACTURING
	994.5	1072	77.5	75		GRATE 995' - 1072'	GRANITE, medium grained porphyritic orthoclasal massive, minor epidotisation and some hamatite associated with joints.	

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 279

Logged By: L. Szabo

Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
	From	To	Length	WO_3	Mo	Mo	
A0453	50 15.2	52	2	0.07	0.013	0.026	
A0454	52 15.8	53	1	0.08	0.85	0.85	
A0455	53 16.1	54	1	0.07	0.25	0.25	
A0456	54 16.5	55	1	0.08	0.04	0.04	
A0457	55 16.8	56	1	0.10	0.77	0.77	
A0458	56 17.1	58	2	0.07	0.38	0.76	
A0459	58 17.7	59	1	0.06	0.022	0.022	
A0460	59 18.0	61	2	0.08	0.018	0.036	
A0461	61 18.6	62	1	0.08	0.030	0.03	
A0462	62 18.9	64	2	0.20	0.016	0.032	
A0463	64 19.5	65	1	0.08	0.017	0.017	
A0464	65 19.8	72	7 1' L.C.	0.19	0.033	0.231	
A0465	72 21.9	74	2	0.06	(0.01	0.02	15.2 — 36.6 m
A0466	74 22.5	75	1	0.05	0.086	0.086	70' at
A0467	75 22.9	77	2	0.08	0.231	0.462	0.264% Mo
A0468	77 23.5	78	1	0.07	0.09	0.09	
A0469	78 23.8	80	2	0.06	2.876	5.752	
A0470	80 24.4	82	2	0.05	0.162	0.324	
A0471	82 25.0	84	2	0.06	0.136	0.272	
A0472	84 25.6	86	2	0.06	0.089	0.178	
A0473	86 26.2	88	2	0.03	0.25	0.50	
A0474	88 26.8	90	2	0.04	0.097	0.194	
A0475	90 27.4	92	2	0.04	0.176	0.352	
A0476	92 28.0	84	2	0.04	0.055	0.110	
A0477	94 28.6	96	2	0.05	0.01	0.02	
A0478	96 29.3	97	1	0.04	0.067	0.067	
A0479	97 29.6	98	1	0.05	3.615	3.615	
A0480	98 29.9	99	1	0.04	0.55	0.55	
A0481	99 30.2	101	2	0.04	0.050	0.10	
A0482	101 30.8	102	1	0.03	1.365	1.365	
A0483	102 31.1	106	4	0.04	0.057	0.228	
A0484	106 32.3	110	4	0.03	0.018	0.072	
A0485	110 33.5	114	4	0.04	0.049	0.196	
A0486	114 34.7	116	2	0.03	0.349	0.698	
A0487	116 36.3	120 36.6	4	0.04	0.05	0.20	

18.5315

DIAMOND DRILL HOLE ASSAY SHEET

Hole No.: 279

Logged By: L. Szabo

	Sample No.	FOOTAGES			ASSAYS		L X A	REMARKS
		From	To	Length	WO_3	Mo		
	A1221	120 (36.6)	124	4	0.11	0.02		36.6 – 42.0
	A1222	124 (37.8)	128	4	0.10	0.02		0.11 % WO_3
	A1223	128 (39.0)	130	2	0.09	0.02		
	A1224	130 (39.6)	132	2	0.11	0.07		
	A1225	132 (40.2)	134	2	0.11	0.05		
	A1226	134 (40.8)	136	2	0.10	0.01		
	A1227	136 (41.4)	138 (42.0)	2	0.12	0.02		
	A1228	155 (47.2)	157	2	0.10	0.07		47.2 – 53.9
	A1229	157 (47.8)	159	2	0.09	0.20		0.10 % WO_3
	A1230	159 (48.5)	161	2	0.08	0.04		
	A1231	161 (49.1)	163	2	0.09	0.03		
	A1232	163 (49.7)	165	2	0.11	(0.01		
	A1233	165 (50.3)	167	2	0.10	(0.01		
	A1234	167 (50.9)	169	2	0.09	0.07		
	A1235	169 (51.5)	171	2	0.09	0.03		
	A1236	171 (52.1)	173	2	0.14	0.06		
	A1237	173 (52.7)	177 (53.9)	4	0.10	(0.01		
	A1238	187 (57.0)	189 (57.6)	2	0.10	0.09		
	A1239	195 (59.4)	205	10	0.08	0.15	1.5	59.4 – 65.8
	A1240	205 (62.5)	210	5	0.07	0.01	0.05	21' at 0.09% Mo
	A1241	210 (64.0)	214	4	0.09	0.05	0.2	
	A1242	214 (65.2)	216	2	0.08	0108	0.16	65.8 – 69.5
	A1243	216 (65.8)	218	2	0.09	(0.01		0.11 % WO_3
	A1244	218 (66.4)	220	2	0.08	(0.01		
	A1245	220 (67.0)	224	2	0.07	(0.01		
	A0488	224 (68.3)	226	2	0.18	0.095		
	A0489	226 (68.9)	228 (69.5)	2	0.14	0.027		

DIAMOND DRILL HOLE 279

Logged By: L. Szabo

SAMPLE	FOOTAGES From	To	Length	ASSAY WO_3	Mo	L. T. A.	REMARKS
	69.5						
A0490	228	230	2	0.08	0.078		69.5 — 76.2
91	230 70.1	232	2	0.05	0.016		
92	232 70.7	233	1	0.06	(0.01		0.07
93	233 71.0	235	2	0.08	(0.01		
94	235 71.6	239	4	0.13	0.129		
95	239 72.8	243	4	0.06	0.036		
96	243 74.1	247	4	0.07	0.045		
97	247 75.3	248	1	0.06	(0.01		
98	248 75.6	250 76.2	2	0.06	(0.01		
A0501	302 92.0	304	2	0.08	0.01		
0499 2	304 92.6 92.7	306	2 } .91	1.10	0.049	2.20	
50 3	306 93.3	308	2 }	0.72	0.037	1.44	A/1 Lens
1 4	308 93.9	310	2 } .48	0.77	0.070	1.54	304' - 314'
2 5	310 94.5	312	2 }	0.18	0.034	0.36	10' at
3 6	312 95.1	314	2	0.40	0.021	0.80	0.634%WO_3
7	314 95.7	315	1 }	0.03	0.017		M_o: 0.042
8	315 96.0	317	2 } .04	0.07	(0.01		
9	317 96.6	321	4 }	0.03	(0.01		
10	321 97.8	323	2 }	0.04	(0.01		
11	323 98.4	324	1 } .13	0.42	(0.01		
12	324 98.8	326 99.4	2 }	0.08	0.031		
	123.1						
A0514	404	406	2	0.06	0.013		
15	406 123.7	408	2	0.06	<0.01		123.1 — 131.1
16	408 124.3	409	1	0.13	<0.01		0.07% WO_3
17	409 124.7	411	2	0.07	<0.01		
18	411 125.3	413	2	0.08	<0.01		
19	413 125.9	415	2	0.07	<0.01		
20	415 126.5	417	2	0.06	<0.01		
21	417 127.1	419	2	0.06	<0.01		
22	419 127.7	423	4	0.05	<0.01		
23	423 128.9	425	2	0.05	<0.01		
24	425 129.5	426	1	0.05	<0.01		
25	426 129.8	428	2	0.18	<0.01		
26	428 130.4	430 131.1	2	0.10	<0.01		

DIAMOND DRILL HOLE 279

Logged By: L. Szabo

SAMPLE	FOOTAGES From	To	Length	ASSAY WO_3	Mo	L x A	REMARKS
A0527	430 (131.1)	432	2	0.12	<0.01		131.1 — 139.0
28	432 (131.1)	434	2	0.07	<0.01		0.05% WO_3
A0608	434 (132.3)	436	2	0.08	<0.01		
07	436 (132.9)	438	2	0.14	<0.01		
10	438 (133.5)	442	4	<0.01	0.013		
09	442 (134.7)	446	4	<0.01	0.011		
11	446 (135.9)	450	4	<0.01	0.010		
13	450 (137.2)	452	2	<0.01	0.016		
12	452 (137.8)	454	2	0.10	0.025		Mo.
14	454 (138.4)	456 (139.0)	2	0.10	<0.01		
0454 16	456 (139.0)	458	2 } .55	0.56	0.016	1.12	
5 15	458 (139.6)	460	2	0.54	0.036	1.08	UPPER B
6 18	460 (140.2)	462	2 } .10	0.11	0.01	0.22	B/1 Lens -
7 17	462 (140.8)	463	1	0.09	0.01	0.09	456' - 470'
8 20	463 (141.1)	464	1	18.0 (440)	± 0.5	18.0	14' at 1.597% WO_3
9 19	464 (141.4)	466	2 } .31	0.27	<0.01	0.54	at
0460 22	466 (142.0)	468	2	0.35	<0.01	0.70	13' at 0.34%
1 21	468 (142.6)	470	2	0.31	<0.01	0.62	if 18.0% assay
23	470 (143.2)	472	2 } .10	0.11	<0.01		is disregarded.
24	472 (143.9)	474	2	0.09	<0.01		0.048% Mo
25	474 (144.9)	476	2 } .10	0.10	0.017		
26	476 (145.1)	478	2	0.11	<0.01		
27	478 (145.7)	480	2 } .12	0.09	<0.01		
28	480 (146.3)	481	1	0.17	<0.01		
0462 29	481 (146.6)	483	2 } 1.35	2.28	0.067	4.56	UPPER B
3 30	483 (147.2)	485	2	0.43	0.011	0.86	B/2 Lens -
4 31	485 (147.8)	487	2 } .77	0.79	0.025	1.58	481' - 493'
5 32	487 (148.4)	489	2	0.76	0.033	1.52	12' at 1.006% WO_3
6 33	489 (149.0)	491	2 } .89	1.19	0.039	2.38	
7 34	491 (149.6)	493	2	0.59	0.018	1.18	Mo: 0.032%
35	493 (150.3)	495 (150.9)	2	0.02	<0.01		
A0646	525 (160.0)	527	2	0.03	<0.01		
47	527 (160.6)	528	1	0.07	<0.01		
48	528 (160.9)	530	2	0.06	<0.01		
49	530 (161.5)	532 (162.1)	2	0.10	<0.01		160.0 — 162.4
							0.07% WO_3

DIAMOND DRILL HOLE 279

Logged By: L. Szabo

SAMPLE	FOOTAGES From	To	Length	ASSAY WO_3	ASSAY Mo	L X A	REMARKS
A0650	532 162.1	533 162.4	1	0.10	<0.01		
0468 51	533 162.4	535	2	0.91	0.028	1.82	B
9 52	535 163.1	537	2 .71	0.52	0.010	1.04	B/3 Lens - 533' - 550'
70 53	537 163.7	539	2	0.64	0.016	1.28	17' at 1.067% WO_3
1 54	539 164.3	541	2 1.19	1.73	0.050	3.46	
2 55	541 164.9	543	2	0.62	0.015	1.24	
3 56	543 165.5	545	2 1.45	2.28	0.049	4.56	Mo: 0.027
4 57	~~545~~ 166.1	547	2	1.04	0.030	2.08	
5 58	547 166.7	549	2 .95	0.58	0.010	1.16	
6 59	549 167.3	550	1	1.50	0.042	1.50	
60	550 167.6	552	2	0.08	<0.01		
61	552 168.2	554	2	0.06	<0.01		
62	554 168.8	556	2 .06	0.05	<0.01		
63	556 169.5	558	2	0.06	<0.01		
64	558 170.1	560	2	0.06	<0.01		
65	560 170.7	561	1	0.06	<0.01		
66	561 171.0	563	2	0.05	<0.01		
67	563 171.6	564	1 .05	0.07	<0.01		
68	564 171.9	566	2	0.01	<0.01		
69	566 172.5	568	2	0.06	<0.01		
70	568 173.1	570	2	0.05	<0.01		
71	570 173.7	572	2	0.06	<0.01		
72	572 174.3	573	1	0.06	<0.01		
73	573 174.6	575	2 .07	0.07	0.011		
74	575 175.3	576	1	0.08	0.016		
A0702	576 175.6	577	1	0.17	0.013		
A0675	577 175.9	578	1 .16	0.10	<0.01		
76	578 176.2	580	2	0.18	<0.01		LOWER B
0477 ~~77~~	580 176.8	582	2	4.6	0.164	9.20	B/4 Lens - 580' - 584'
8 78	582 177.4	584	2	0.34	0.010	0.68	4' at 2.47% WO_3
79	584 178.0	586	2	0.20	<0.01		Mo: 0.087
80	586 178.6	588	2 .12	0.07	<0.01		
81	588 179.2	589	1	0.06	<0.01		
82	589 179.5	593	4	0.08	0.015		
83	593 180.7	597	4	0.08	0.019		

DIAMOND DRILL HOLE 279

Logged By: L. Szabo

SAMPLE	FROM	TO	Length		WO_3	Mo		REMARKS
	182.0							
A0684	597	599	2	.05	0.08	<0.01		
85	599 (182.6)	600	1		0.03	<0.01		
86	600 (182.9)	601	1		0.03	<0.01		
0479 87	601 (183.2)	603	2	.36	0.34	<0.01	0.68	LOWER B
80 88	603 (183.8)	605	2		0.39	0.011	0.78	
1 89	605 (184.4)	607	2	.38	0.51	0.010	1.02	
2 90	607 (185.0)	609	2		0.25	<0.01	0.50	B/5 Lens -
3 91	609 (185.6)	611	2	.56	0.62	0.021	1.24	601' - 623'
4 92	611 (186.2)	613	2		0.50	0.013	1.00	22' at 0.542
5 93	613 (186.8)	615	2	1.02	0.57	0.010	1.14	% WO_3
6 94	615 (187.4)	617	2		1.48	0.031	2.96	M_o: 0.013
7 95	617 (188.0)	619	2	.44	0.52	0.015	1.04	
8 96	619 (188.7)	621	2		0.25	<0.01	0.50	
9 97	621 (189.3)	623	2		0.54	<0.01	1.08	
98	623 (189.9)	625	2	.06	0.08	<0.01		
99	625 (190.5)	627	2		0.08	0.018		
700	627 (191.1)	629	2		0.07	0.012		
1	629 (191.7)	631	2		0.02	<0.01		
3	733 (223.4)	735	2		0.06	0.011		
0490 4	735 (224.0)	736	1	.80	0.44	0.010	0.44	
1 5	736 (224.3)	738	2		0.48	<0.01	0.96	
2 6	738 (224.9)	740	2		1.31	0.031	2.62	
3 7	740 (225.5)	742	2	.14	0.14	<0.01	0.28	
4 8	742 (226.2)	744	2		0.15	<0.01	0.30	C Lens -
5 9	744 (226.8)	746	2	.91	0.50	<0.01	1.00	735' - 761'
6 10	746 (227.4)	748	2		1.33	0.028	2.66	26' at 0.526%
7 11	748 (228.0)	750	2	.68	0.93	0.020	1.86	WO 3
8 12	750 (228.6)	752	2		0.44	<0.01	0.88	M_o: 0.022
9 13	752 (229.2)	754	2	.27	0.14	<0.01	0.28	
0500 14	754 (229.8)	755	1		0.07	<0.01	0.07	
15	755 (230.1)	757	2		0.50	<0.01	1.00	
16	757 (230.7)	759	2	.33	0.42	<0.01	0.84	
3 17	759 (231.3)	761	2		0.25	<0.01	0.50	
18	761 (231.6)	763	2		0.09	<0.01		
19	763 (232.6)	765	2		0.18	<0.01		231.6 – 235.0
20	765 (233.2)	767	2		0.22	<0.01		0.14% WO_3

DIAMOND DRILL HOLE 279

Logged By: L. Szabo

SAMPLE	FOOTAGES From	To	Length		ASSAY SO_3	No	L X A	REMARKS
	233.8							
A0721	767	769	2		0.10	<0.01		
	234.4							
22	769	771	2		0.10	<0.01		
	235.0							
23	771	773	2		0.23	<0.01		
	235.6							
24	773	775	2		0.18	<0.01		
	236.2							
25	775	777	2	.14	0.15	<0.01		
	236.8							
26	777	778	1		0.14	<0.01		
	234.1							
27	778	780	2		0.07	<0.01		
	237.1							
28	780	782	2		0.05	<0.01		
	238.3							
29	782	784	2		0.08	<0.01		
	239.0							
30	784	786	2	.06	0.06	<0.01		
	239.6							
31	786	788	2		0.06	<0.01		
	240.2							
32	788	790	2		0.06	<0.01		
	240.8							
33	790	792	2		0.06	<0.01		
	241.4							
34	792	793	1		0.08	<0.01		
	241.7							
35	793	795	2		0.06	<0.01		
	242.3							
36	795	797	2	.06	0.06	<0.01		
	242.9							
39	797	799	2		0.08	<0.01		
	243.5							
37	799	800	1		0.04	<0.01		
	243.8	244.4						
38	800	802	2		0.02	<0.01		
	260.0							
42	853	855	2		0.03	<0.01		
43	260.6							
	855	857	2		0.03	<0.01		
	261.2							
44	857	859	2	.02	0.03	<0.01		
	261.8							
45	859	860	1		0.02	<0.01		
	262.1							
46	860	862	2		0.02	<0.01		
	269.9							
47	885	887	2		0.03	<0.01		
	270.3							
48	887	889	2	.06	0.12	<0.01		
	271.0							
49	889	890	1		0.12	<0.01		
	271.3							
50	890	892	2		0.01	<0.01		
	282.2							
51	926	928	2		0.06	<0.01		
	282.8							
52	928	930	2	.10	0.22	<0.01		
	283.5							
53	930	931	1		0.06	<0.01		
	283.8	284.4						
54	931	933	2		0.06	<0.01		

56' (17.1 m) - leached ground

60' (18.3 m) - leached ground

Possible fault 65 (19.8 m) - 72 (21.9 m) lost ground leached

Possible fault 89' (27.1 m)

Possible fault 214' (65.2 m) same lost leach ground

Leached ground 234' (71.3 m)

Major fracture 252' (76.8 m)

Major fracture 283' (86.3 m)

Possible fault 288' (87.8 m)

Fault 294' (89.6 m)

Possible fault 503' (153.3 m)

Major fracture 610' (185.9 m)

Major fracture 612' (186.5 m)

Major fracture 632' (192.6 m)

Major fracture 799' (243.5 m)

Major fracture 883' (269.1 m)

Incompetent ground 979' (298.4 m)

Fault 991' (302.1 m)

HOLE NO. 279

POSITION	DEPTH	BEARING	DIP	R.L.	EASTING	NORTHING
0	COL	180°	-90°	1122.30	40388.04	10417.61
1	60' 18.29	S 62° 00'W	-89°			
2	42.67	S 86° 00' W	-89°			
3	220 67.06	S 84° 00' W	-88° 30'			
4	300 91.44	S 62° 00' W	-88° 30'			
5	360 109.73	N 83° 00 W	-87° 30'			
6	420 128.02	N 75° 00' W	-86° 45'			
7	480 146.30	N 72° 00' W	-87° 00'			
8	540 164.59	N 71° 00' W	-87° 15'			
9	600 182.88	N 76° 00' W	-87° 00'			
10	660 201.17	N 75° 00' W	-86° 30'			
11	720 219.46	N 73° 00' W	-85° 15'			
12	780 237.74	N 75° 00' W	-85° 15'			
13	840 256.03	N 73° 00' W	-84° 54'			
14	900 274.32	N 69° 00' W	-84° 30'			
15	960 292.61	N 70° 00' W	-84° 15'			
16	1020 310.90	N 67° 00' W	-84° 15'			
17	1072 326.75	N 65° 00' W	-84° 15'			
18						

INTERSECTIONS 9266-95.71

176.78 - 178.00 183.18 - 189.89.

224.03 - 231.95

BH/279
RIVER
EASTINGS
NORTHINGS
402866.68
194362.82

BH/278
RIVER
EASTINGS
NORTHINGS
402866.66
194362.82

BH/277
RIVER
EASTINGS
NORTHINGS
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BH/276
RIVER
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BH/275
RIVER
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DIAMOND DRILL HOLE SURVEY

EASTMAN - KODAK MULTISHOT CAMERA

D.D.H. No. 279 Date Surveyed

Total Depth Depth Surveyed To

Casing Depth 10' ~~Surveyed~~ By

RECHECKED V.P. 25-6-74

Depth	Drift Angle	Mean Drift Angle	Cos Sine	Vert. Depth	True Vert. Depth	Defl.	Drift Direc.	Mean Drift Direc.	Cos Sine	Co-Ords. N/S	Co-Ords. E/W	Sum of Co-Ords. N/S	Sum of Co-Ords. E/W
20	0° 30'	0° 30'	1.000 / 0.0087	20.00	20.00	0.174		S 5° W	0.9962 / 0.0872	0.173	0.015	0.173	0.015
40	1° 00	1° 00	0.9998 / 0.0175	19.996	39.996	0.35		S 78° W	0.2079 / 0.9781	0.073	.342	0.246	0.357
60	1° 00	1° 00	0.9998 / 0.0175	19.996	59.992	0.35		S 62° W	0.4695 / 0.8829	.164	.309	0.41	.666
80	0 45'	0 45'	0.9999 / 0.0131	19.998	79.99	0.262		S 76° W	0.2419 / 0.9703	0.063	.254	0.473	.920
100	1° 00	1° 00	.9998 / .0175	19.996	99.986	0.35		S 60° W	0.5000 / 0.8660	0.175	.303	0.648	1.223
120	1° 00	1° 00	.9998 / .0175	19.996	119.982	0.35		S 55° W	0.5736 / .8192	0.201	.287	0.849	1.510
140	1° 00	1° 00	.9998 / .0175	19.996	139.978	0.35		S 86° W	0.0698 / 0.9976	0.024	.349	0.873	1.859
160	1° 15'	1° 15'	0.9994 / 0.0218	19.996	159.972	0.436		S 87° W	0.0523 / 0.9986	0.023	.435	0.896	2.294
180	1° 15'	1° 15'	.9994 / .0218	19.996	179.97	0.436		S 74° W	0.2756 / 0.9613	0.120	.419	1.016	2.713
200	1° 30'	1° 30'	0.9997 / 0.0262	19.994	199.964	0.524		S 80° W	.1736 / .9848	0.091	.516	1.107	3.229
220	1° 30'	1° 30'	.9997 / .0262	19.994	219.958	0.524		S 84° W	.1045 / .9945	0.055	.521	1.162	3.75
240'	1° 30'	1° 30	.9997 / .0262	19.994	239.952	0.524		S 71° W	.3256 / .9455	0.171	.495	1.333	4.245
260	1° 30'	1° 30'	.9997 / .0262	19.994	259.946	0.524		S 80° W	0.1736 / .9848	0.091	.516	1.424	4.761
280	1° 30'	1° 30'	.9997 / .0262	19.994	279.94	0.524		S 68° W	.3746 / .9272	0.196	.486	1.62	6.247
300	1° 30	1° 30	.9997 / .0262	19.994	299.934	0.524		S 62° W	0.4695 / 0.8829	0.246	.463	1.866	5.71

DIAMOND DRILL HOLE SURVEY

EASTMAN - KODAK MULTISHOT CAMERA

D.D.H. No. 279 Date Surveyed _____

Total Depth _____ Depth Surveyed To _____

Casing Depth _____ Surveyed By _____

Depth	Drift Angle	Mean Drift Angle	Cos Sine	Vert. Depth	True Vert. Depth	Defl.	Drift Direc.	Mean Drift Direc.	Cos Sine	Co-Ords. N/S	Co-Ords. E/W	Sum of Co-Ords. N/S	Sum of Co-Ords. E/W
320	1° 45'	1° 45'	.9995 / .0305	19.99	319.924	0.61		S 78° W	.2079 / .9781	S 0.427	W 0.597	1.993	6.307
340	1° 45'	1° 45'	.9995 / .0305	19.99	339.914	0.61		S 83° W	.1219 / .9925	0.074	.605	2.067	6.912
360	2° 30'	2° 30'	.9990 / .0436	19.98	359.894	0.872		N 83° W	.1219 / .9925	N 0.106	W .865	1.961	7.777
380	3° 00'	3° 00'	.9986 / .0523	19.972	379.866	1.046		N 77° W	.2250 / .9744	0.235	1.019	1.726	8.796
400	2° 45'	2° 45'	.9988 / .0480	19.976	399.842	0.96		N 75° W	.2588 / .9659	0.248	.927	1.478	9.723
420	3° 15'	3° 15'	.9984 / .0567	19.968	419.81	1.134		N 75° W	.2588 / .9659	0.293	1.095	1.185	10.818
440	3° 00'	3° 00'	.9986 / .0523	19.972	439.782	1.046		N 71° W	.3256 / .9455	0.341	0.989	6.844	11.807
460	3° 15'	3° 15'	.9984 / .0567	19.968	459.75	1.134		N 76° W	.2419 / .9751	0.236	1.109	0.609 / 0.268	12.916
480	3° 00'	3° 00'	.9986 / .0523	19.972	479.722	1.046		N 73° W	.3090 / .9511	0.323	.995	0.295 / .09	13.911
500	2° 45'	2° 45'	.9988 / .0480	19.976	499.698	0.96		N 73° W	.2924 / .9563	0.281	.918	0.004	14.829
520	3° 00'	3° 00'	.9986 / .0523	19.972	519.67	1.046		N 65° W	.4226 / .9063	0.442	.948	* 0.438	15.777
540	2° 45'	2° 45'	.9988 / .0480	19.976	539.646	0.96		N 71° W	.3256 / .9455	0.313	.908	0.751	16.685
560	3° 00'	3° 00'	.9986 / .0523	19.972	559.618	1.046		N 74° W	.2756 / .9613	0.288	1.006	1.039	17.691
580	2° 45'	2° 45'	.9988 / .0480	19.976	579.594	0.96		N 68° W	.3746 / .9272	0.360	0.89	1.399	18.581
600	3° 00'	3° 00'	.9986 / .0523	19.972	599.566	1.046		N 76° W	.2419 / .9703	0.253	1.015	1.652	19.596

DIAMOND DRILL HOLE SURVEY

EASTMAN - KODAK MULTISHOT CAMERA

D.D.H. No. 279 Date Surveyed _____

Total Depth _____ Depth Surveyed To _____

Casing Depth _____ ~~Surveyed~~ By _____

Depth	Drift Angle	Mean Drift Angle	Cos Sine	Vert. Depth	True Vert. Depth	Defl.	Drift Direc.	Mean Drift Direc.	Cos Sine	Co-Ords. N/S	Co-Ords. E/W	Sum of Co-Ords. N/S	Sum of Co-Ords. E/W
620	2° 45'	2° 45'	.9988 / .0498	19.976	619.542	0.96		N 70° W	.4226 / .9397	0.328	.902	1.98	20.498
640	3° 00'	3° 00'	.9986 / .0523	19.972	639.514	1.046		N 73° W	.2924 / .9563	0.306	1.800	2.256	21.498
660	3° 30'	3° 30'	.9981 / .0610	19.962	659.476	1.22		N 75° W	.2588 / .9659	0.316	1.178	2.602	22.676
680	4° 00'	4° 00'	.9976 / .0698	19.952	679.428	1.396		N 75° W	.2588 / .9659	0.361	1.348	2.963	24.024
700	4° 30'	4° 30'	.9964 / .0785	19.938	699.366	1.57		N 73° W	.2924 / .9563	0.459	1.501	3.422	25.525
720	4° 45'	4° 45'	.9966 / .0825	19.932	719.298	1.656		N 72° W	.3090 / .9511	.484	1.584	3.906	27.109
740	4° 45'	4° 45'	.9966 / .0825	19.932	739.23	1.656		N 73° W	.2924 / .9563	.484	1.584	4.39	28.693
760	4° 45'	4° 45'	.9966 / .0825	19.932	759.162	1.656		N 73° W	.2924 / .9563	.484	1.584	4.874	30.277
780	4° 45'	4° 45'	.9966 / .0825	19.932	779.094	1.656		N 75° W	.2588 / .9659	.429	1.600	5.303	31.877
800	5° 00'	5° 00'	.9962 / .0872	19.924	799.018	1.744		N 73° W	.2924 / .9563	0.510	1.668	5.813	33.545
820	4° 45'	4° 45'	.9966 / .0825	19.932	818.95	1.656		N 77° W	.2250 / .9744	0.373	1.614	6.186	35.159
840	5° 00'	5° 00'	.9962 / .0872	19.924	838.874	1.744		N 73° W	.2924 / .9563	0.510	1.668	6.696	36.827
860	5° 15'	5° 15'	.9958 / .0916	19.916	858.79	1.83		N 73° W	.2092 / .9511	0.565	1.741	7.261	38.568
880	5° 15'	5° 15'	.9958 / .0916	19.916	878.706	1.83		N 73° W	.2924 / .9563	0.535	1.750	7.796	40.318
900	5° 30'	5° 30'	.9954 / .0959	19.908	898.614	1.916		N 69° W	.3584 / .9336	0.687	1.789	8.483	42.107

DIAMOND DRILL HOLE SURVEY

EASTMAN - KODAK MULTISHOT CAMERA

D.D.H. ~~No.~~ 279 Date Surveyed _____

Total Depth _____ Depth Surveyed To _____

Casing Depth _____ Surveyed By _____

Depth	Drift Angle	Mean Drift Angle	Cos Sine	Vert. Depth	True Vert. Depth	Defl.	Drift Direc.	Mean Drift Direc.	Cos Sine	Co-Ords. N/S	Co-Ords. E/W	Sum of Co-Ords. N/S	Sum of Co-Ords. E/W
920'				19.90	918.514	2.004				0.619	1.906	9.102	44.013
940				19.90	938.414	2.004				0.685	1.883	9.787	45.896
960				19.90	958.314	2.004				0.685	1.883	10.472	47.779
980				19.90	978.214	2.004				0.685	1.883	11.157	49.662
1000	5° 30'	5° 30'		19.908	998.122	1.916				0.655	1.801	11.812	51.463
1020	5° 45'	5° 45'		19.90	1018.022	2.004				0.783	1.845	12.595	53.308
1040	5° 45'	5° 45'		19.90	1037.92	2.004				0.815	1.831	13.41	55.139
1060	5° 45'	5° 45'		19.90	1057.82	2.004				0.847	1.816	14.257	56.955
1072	5° 45'	5° 45'		11.94	1069.76	1.202				0.508	1.089	14.765	58.04

Page 1

DDH 279. Hole 1
Casing at 110'

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

1	2	3	4	5	6	7	8	9	10	11	12
Depth	Course Length	Drift Angle	Cosine Sine	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine	Contangent Tangent	Deflection
20	20	0° 30'	1.0000 0.0087	0.0087	20.000	20.000	0.174 0.0087	S 5° W	0.9962 0.0872	0.0875	
40	20	1° —	0.9998 0.0175	0.0175	19.996	39.996	0.350	S 78° W	0.2079 0.9781	0.2126	
60	20	1° —			19.996	59.992	0.350	S 62° W	0.4695 0.8829	0.5319	
80	20	0° 45'	0.9999 0.0131	0.0131	19.998	79.990	0.262	S 76° W	0.2419 0.9703	0.2493	
100 X	20	1° —			19.996	* 99.986	0.350	S 60° W	0.5000 0.8660	0.5774	
120	20	1° —			19.996	119.982	0.350	S 55° W	0.5736 0.8192	0.7002	
140	20	1° —			19.996	139.978	0.350	S 26° W	0.8988 0.4384	0.4877	
160	20	1° 15'	0.9998 0.0218	0.0218	19.996	159.974	0.436	S 87° W	0.0523 0.9986	0.0524	
180	20	1° 15'			19.996	179.970	0.436	S 74° W	0.2756 0.9613	0.2867	
200 X	20	1° 30'	0.9997 0.0262	0.0262	19.994	* 199.95 199.964	0.524	S 80° W	0.1736 0.9848	0.1763	
220	20	1° 30'			19.994	219.958	0.524	S 84° W	0.1045 0.9945	0.1051	
240	20	1° 30'			19.994	239.952	0.524	S 71° W	0.3255 0.9455	0.3443	
260	20	1° 30'			19.994	259.946	0.524	S 80° W	0.1736 0.9848	0.1763	
280	20	1° 30'			19.994	279.940	0.524	S 68° W	0.2756 0.9613	0.2867	
300 X	20	1° 30'			19.994	* 299.91 299.934	0.5241	S 62° W	0.4695 0.8829	0.5319	
320	20	1° 45'	0.9995 0.0305	0.0306	19.990	319.924	0.610	S 78° W	0.2079 0.9781	0.2126	
340	20	1° 45'			19.990	339.914	0.610	S 83° W	0.1219 0.9925	0.1228	
360	20	2° 30'	0.9990 0.0436	0.0437	19.980	359.894	0.872	N 85° W			0.106
380	20	3° —	0.9986 0.0523	0.0524	19.972	379.866	1.046	N 77° W	0.2250 0.9744	0.2309	0.235
400 X	20	2° 45'	0.9988 0.0480	0.0480	19.976	* 121.89 379.850	0.960	N 75° W	0.2588 0.9659	0.2679	0.242
420	20	3° 15'	0.9984 0.0567	0.0567	19.968	419.820	1.134	N 75° W			0.293
440	20	3° —	0.9986 0.0523	0.0524	19.972	439.812	1.046	N 71° W	0.3256 0.9455	0.3443	0.341
460	20	3° 15'	0.9984 0.0567	0.0568	19.968	459.750	1.134	N 20° W	0.3420 0.9397	0.3636	0.856
480	20	3° —			19.972	479.722	1.046	N 72° W	0.3090 0.9511	0.3249	0.323
500 X	20	2° 45'			19.976	* 152.3 499.690	0.960	N 73° W	0.2924 0.9563	0.3057	0.291
520	20	3° —			19.972	519.670	1.046	N 65° W	0.4226 0.9063	0.4663	0.442
540	20	2° 45'			19.976	539.646	0.960	N 71° W	0.3256 0.9455	0.3443	0.313
560	20	3° —			19.972	559.618	1.046	N 74° W	0.2756 0.9613	0.2867	0.272
580	20	2° 45'			19.976	579.594	0.960	N 68° W	0.3746 0.9272	0.4040	0.380

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

DDH 279
Page 1

13	14	15	16
Co-ordinate Difference		Rectangular Difference	
N	S	E	W
	0.082		0.008
	0.072		0.342
	0.164		0.307
	0.062		0.254
	0.175		0.303
	0.201		0.287
	0.024		0.349
	0.023		0.453
	0.120		0.419
	0.091		0.516
	0.055		0.521 0.522
	0.171		0.495
	0.091		0.516
	0.196		0.486
	0.246		0.463
	0.127		0.597
	0.074		0.605
			0.865
			1.019
			0.979
			1.095
			0.849
			1.109
			0.995
			0.948
			0.904
			1.006
			0.890

15	16
Rectangular Difference	
N	S	E	W
	0.082		0.008
	0.161		0.350
	0.325		0.659
	0.388		0.913
	* 0.563	100	* 1.316
	0.764		1.503
	0.788		1.852
0.435	0.811		3.305
	0.931		3.724
	* 1.022	200	* 3.299
	1.077		3.792
	1.242		4.287
	1.339		4.803
	1.527		5.289
	* 1.781	300	* 5.175
	1.902		6.349
×	1.982		6.954
	1.876		7.219
	1.641		8.838
	* 1.395	400	* 9.765
	1.100		10.860
	0.759		11.849
	0.523		12.758
	0.200		13.753
	0.091	500	* 14.371
	0.523		15.819
	0.836		16.727
	1.124		17.733
	1.484		18.623

Page 2

DDH 279

DDH 279 , Page 2

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2 DDH 279 Page 2

1	2	3	4	5	6	7	8	9	10	11	12	13		14		15		16	
												Co-ordinate Difference				Rectangular Difference			
Depth	Course Length	Drift Angle	Cosine Sine	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine	Contangent Tangent	Deflection	N	S	E	W	N	S	E	W
600	20	3°—			19.972	*599.560	1.046	N 76° W	2419 9703	2493		0.253			1.015	*1.739	40		*19.638
620	20	2°45'			19.976	619.542	0.960	N 70° W	3420 9373	3640		0.329			0.902	0.900			20.538
640	20	3°—			19.972	639.514	1.046	N 73°W	2924 9563	3057		0.306			1.000	2.371			21.538
660	20	3°30'	0.9981 0.0610	0.012	19.962	659.140	1.122	N 75°W	2589 9657	2679		0.316			1.178	2.687			22.716
680	20	4°—	0.9976 0.0698	0.0079	19.952	679.090	1.396	N 75°W				10.361			1.342	3.048			24.064
700	20	4°30'	0.9969 0.0785	0.0787	19.938	*699.030	1.570	N 75°W	2924 9563	3057		0.459			1.501	*3.507	100		*25.565
720	20	4°45'	0.9966 0.0829	0.0831	19.932	718.962	1.656	N 73°W				0.484			1.584	3.991			27.149
740	20	4°45'			19.932	738.894	1.656	N 73°W				0.484			1.584	4.475			28.733
760	20	4°45'			19.932	758.826	1.656	N 73°W				0.484			1.584	4.959			30.317
780	20	4°45'			19.932	778.758	1.656	N 75°W				0.479			1.600	5.382			31.917
800	20	5°—	0.9962 0.0872	0.0875	19.924	*798.682	1.744	N 73°W				0.510			1.662	*5.892	100		*33.579
820	20	4°45'			19.932	818.614	1.656	N 77°W	2250 9744	2309		0.373			1.614	6.271			35.193
840	20	5°—			19.924	838.538	1.744	N 75°W				0.510			1.662	6.781			36.855
860	20	5°15'	0.9958 0.0915	0.0917	19.916	858.456	1.830	N 72°W	2090 9511	3209		0.565			1.741	7.346			38.596
880	20	5°15'			19.916	878.370	1.830	N 73°W				0.535			1.750	7.881			40.346
900	20	5°30'	0.9954 0.0958	0.0963	19.902	*898.278	1.916	N 69°W	2584 9236	3429		0.687			1.789	*2.552	90		*42.147
920	20	5°45'	0.9950 0.1002	0.1007	19.900	918.178	2.004	N 72°W	2090 9511	3269		0.619			1.905	9.187			44.053
940	20	5°45'			19.900	938.078	2.004	N 70°W	3420 9297	3640		0.685			1.882	9.872			45.936
960	20	5°45'			19.900	957.978	2.004	N 70°W				0.685			1.883	10.557			47.819
980	20	5°45'			19.900	977.878	2.004	N 70°W				0.685			1.883	11.242			49.702
1000	20	5°30'			19.908	*997.786	1.916	N 70°W				0.655		1.501	1.796	*11.897	3.63		*51.585
1020	20	5°45'			19.900	1017.686	2.004	N 67°W	3707 9205	4345		0.783			1.845	12.680			53.342
1040	20	5°45'			19.900	1037.586	2.004	N 66°W	4067 9135	4452		0.815			1.831	13.495			55.174
1060	20	5°45'			19.900	1057.486	2.004	N 65°W	4226 9065	4663		0.847			1.816	14.342			56.990
1072	12	—			11.94	*1069.46	1.20	—				0.51			1.09	*14.53	1072		*58.08

a86



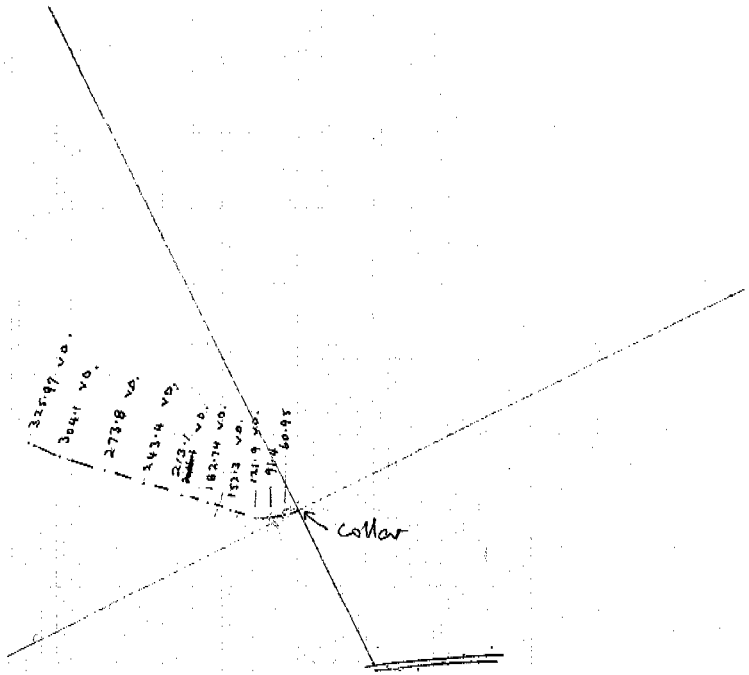
DDH 279

Scale 1:500

Plan View

total depth : 1072' 326.74 m

surveyed to : 1072' 326.74 m



GEOPEKO LIMITED

321·45

DIAMOND DRILL CORE LOG SHEET

Hole No. 277

Location No. 3. Orebody

Elevation 389.45 ft. 118.7 / 122.0

Final Depth 930 2835

Co-Ords. 9852.58N; 599.59 E

Dip VERTICAL

Bearing —

Date Commenced 2/8/1969

Date Completed 26/8/1969

Logged: L. Szabo

Footage From	Footage To	Length Run	Length Rec.	Description	Assay WO_3	Assay Mo
0	47 143	47	—	No Core		
47	68	21	11	Weathered Volcanics - Lost Core - 10 feet		
68	132 40·2	64	64	Volcanics - fine and medium grained in places vesicular.		
132	147.5 44·9	15.5	15.5	Biotite Hornfels - banded with some pyroxene hornfels.		
147.5	188 51·3	40.5	40.5	Volcanics - medium grained Type B		
188	201 61·3	13	13	Biotite Hornfels - banded with minor pyroxene hornfels. Downwards the Pyroxene Hornfels becomes predominant. Low grade mineralisation - SAMPLED		
				194.5' - 196.5' (2)	0.06	
				196.5' - 198.5' (2)	0.07	
				198.5' - 200.5' (2)	0.10	
				200.5' - 202.5' (2)	0.06	
201	207	6	6	Pyroxene Hornfels - banded with minor Biotite Hornfels and some Grossularite garnet. Low grade mineralisation. SAMPLED		
				202.5' - 204.5' (2)	0.12	
				204.5' - 205.5' (1)	0.09	
				205.5' - 207.5' (2)	0.07	
207	210 64·0	3	3	Biotite Hornfels - with some pyroxene hornfels. SAMPLED		
				207.5' - 209.5' (2)	0.07	
210	245 147	35	35	Pyroxene Hornfels with minor biotite hornfels and garnet (andradite) and limestone. Downwards crystalline limestone becomes predominant. Low grade mineralisation. SAMPLED		
				209.5' - 211.5' (2)	0.05	
				211.5' - 215.5' (4)	0.22	
				215.5' - 219.5' (4)	0.08	
				219.5' - 221.5' (2)	0.63	
				221.5' - 222.5' (1)	0.01	
				222.5' - 224.5' (2)	0.06	
				224.5' - 226.5' (2)	0.02	
				237' - 239' (2)	0.03	
				239' - 241' (2)	0.05	
				241' - 243' (2)	0.03	
245	288 87·8	43	43	Impure Crystalline Limestone with stylolitic structure. Banded with marl and biotite hornfels. Low grade mineralisation. SAMPLED		
				266' - 268' (2)	0.03	
				268' - 272' (4)	0.04	
				272' - 273' (1)	0.02	

GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET

Hole No. 277

Footage From	Footage To	Length Run	Length Rec.	Description	Assay WO_3	Assay Mo
				273' - 275' (2)	0.02.	
				275' - 276' (1)	0.03	
				276' - 278' (2)	0.04.	
				278' - 279' (1)	0.07	
				279' - 282' (3)	0.02.	
				282' - 286' (4)	0.10	
				286' - 290' (4)	0.50	
288	295 89.9	7	7	Pyroxene Hornfels with some biotite hornfels and andradite. Low grade mineralisation.		
				SAMPLED		
				290' - 292' (2)	0.06	
				292' - 293' (1)	0.09	
				293' - 295' (2)	0.06	
295	303 92.4	8	8	Diopside-Adnradite Skarn with mineralisation.		?
				SAMPLED		
				295' - 297' (2)	0.29	
				297' - 298' (1)	0.07	
				298' - 300' (2)	0.34	
				300' - 302' (2)	0.10	
				302' - 304' (2)	0.07	
303	328 100	25	25	Biotite Hornfels banded with some pyroxene hornfels.		
328	333 101	5	5	Aplite		
333	371.5 113.2	38.5	38.5	Biotite Hornfels possible fault at 337'		
				At 341 feet 0.5 inch Pyroxene Hornfels with sulphide and tungsten mineralisation.		
				Between 346 and 347.5 feet thin aplites.		
				At 371 feet, 2 inches of Ph, Gh and limestone band with sulphide and some tungsten mineralisation.		
371.5	384 117.0	12.5	12.5	Biotite Hornfels - banded with minor pyroxene hornfels and irregular patches of Ph in the matrix.		
				At 382 feet 0.5 inches minor disseminated scheelite.		
384	393 119.7	9	9	Pyroxene Hornfels with minor Biotite Hornfels and Garnet Hornfels. Low grade mineralisation.		
				SAMPLED		
				384' - 386' (2)	0.06	
				386' - 387' (1)	0.39	
				387' - 389' (2)	0.07	
393	411.5 125.4	18.5	18.5	Metavolcanics - medium grained, at 400.5' 2 inches Aplite.		
411.5	428 130.4	16.5	16.5	Aplite		
428	496 151.2	68	68	Metavolcanics - medium grained. Between 492 - 496 feet minor sulphide mineralisation along joints.		
496	498.5 152	2.5	2.5	Pyroxene Hornfels - banded with biotite hornfels and some garnet hornfels (grossularite).		

GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET

Hole No. 277

Footage From	Footage To	Length Run	Length Rec.	Description	Assay WO_3	Assay Mo
				SAMPLED 496' - 498' (2)		
498.5'	507 154.5	8.5	8.5	Pyroxene Hornfels banded with Garnet Hornfels and some Biotite Hornfels. Disseminated and patchy scheelite mineralisation with some sulphide mineralisation. SAMPLED 498' - 500' (2) 500' - 504' (4) 504' - 506' (2) 506' - 507' (1)	 0.17 0.89 0.55 0.25	
507	531.5 162.0	24.5	24.5	Limestone - impure, banded, with disseminated scheelite mineralisation. Minor scheelite occurs as joint filling material. SAMPLED 507' - 509' (2) 509' - 513' (4) 513' - 517' (4) 517' - 519' (2) 519' - 523' (4) 523' - 525' (2) 525' - 527' (2) 527' - 528' (1) 528' - 532' (4)	 0.03 0.02 0.03 0.05 0.03 0.06 0.05 0.04 0.06	
531.5	535 163.1	3.5	3.5	Diopside-Andradite Skarn with some limestone. Weakly mineralised. SAMPLED 532' - 534' (2) 534' - 535' (1)	 0.04 0.03	
535'	538' 164	3'	3	Limestone, crystalline, impure, bedded. SAMPLED 535' - 537' (2)	 0.02.	
538'	555' 169.1	17	17	Marble Stylolitic in the lower part.		
555	566 172.5	11	11	Limestone - crystalline, impure, with stylolitic structure. SAMPLED 565' - 567' (2)	 0.03	
566	568.5 173.3	2.5	2.5	Pyroxene Hornfels with minor patchy concretions of Gh. Minor scheelite mineralisation. SAMPLED 567' - 568' (1)	 0.05	
568.5'	642' 195.7	73.5	73.5	Biotite Hornfels banded with Pyroxene Hornfels - Ph occurs as bands and irregular concretions in Bh. Some Calcite veins also occur.		
642	655 199.6	13	13	~~Pyroxene-Garnet Hornfels~~ bedded biotite pyroxene hornfels with inclusions of calcite with rim of garnet hornfels. Some biotite hornfels also occur.		

GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET

Hole No. 277

Footage From	Footage To	Length Run	Length Rec.	Description	Assay WO_3	Assay Mo
				SAMPLED		
				653' - 655' (2)	0.07	
				655' - 656' (1)	0.07	
655	688.5 209.8	33.5	33.5	Garnet-Pyroxene Hornfels with scheelite mineralisation.		
				SAMPLED		
				656' - 658' (2)	1.12	
				658' - 660' (2)	0.82	
				660' - 662' (2)	5.0	
				662' - 664' (2)	2.12	
				664' - 666' (2)	0.91	
				666' - 668' (2)	0.86	
				668' - 670' (2)	0.74	
				670' - 672' (2)	0.68	
				672' - 674' (2)	0.98	
				674' - 676' (2)	0.72	
				676' - 678' (2)	0.27	
				678' - 680' (2)	0.21	
				680' - 682' (2)	0.25	
				682' - 684' (2)	0.30	
				684' - 686' (2)	0.42	
				686' - 688' (2)	0.13	
688.5	692 210.9	3.5	3.5	Quartz vein		
				SAMPLED		
				688' - 689' (1)	0.14	
				689' - 691' (2)	0.02	
				691' - 692' (1)	0.06	
692	720 219.4	28	28	Pyroxene-Garnet Hornfels - From 707 feet less garnet and more calciteoccurs in the core. Scheelite mineralisation.		
				SAMPLED		
				692' - 694' (2)	0.10	
				694' - 696' (2)	0.14	
				696' - 698' (2)	0.15	
				698' - 700' (2)	0.33	
				700' - 702' (2)	0.70	
				702' - 704' (2)	0.20	
				704' - 706' (2)	0.11	
				706' - 708' (2) — 709'	0.15	
				708' - 710' (2) bedded biotite	0.05	
				710' - 714' (4) pyroxene hornfels	0.06	
				714' - 718' (4)	0.05	
				718' - 720' (2) — 720'	0.08	
720	731 222.8	11	11	Garnet Pyroxene Hornfels with scheelite mineralisation.		
				SAMPLED		
				720' - 722' (2)	1.46	
				722' - 724' (2)	0.10	
				724' - 726' (2)	0.90	
				726' - 728' (2)	0.11	
				728' - 730' (2)	0.29	
731	739 225.2	8	8	Andradite Skarn - coarse grained with scheelite mineralisation.		
				SAMPLED		
				730' - 732' (2)	0.25	
				732' - 734' (2)	1.05	
				734' - 736' (2)	1.32	
				736' - 738' (2)	0.78	
				738' - 740' (2)	0.57	

GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET

Hole No. 277

Footage From	Footage To	Length Run	Length Rec.	Description	Assay WO_3	Assay Mo
739	766 233.5	27	27	Garnet Pyroxene Hornfels with scheelite mineralisation. SAMPLED 740' - 742' (2) 742' - 744' (2) 744' - 746' (2) 746' - 748' (2) 748' - 750' (2) 750' - 752' (2) → 752' (229.2m) 752' - 754' (2) 754' - 756' (2) 756' - 758' (2) 758' - 760' (2) 760' - 762' (2) 762' - 764' (2)	0.99 0.25 1.35 0.44 0.77 0.64 0.34 0.49 0.61 0.39 0.49	
766	774 235.9	8	8	Andradite Skarn (2) brownish, weathered, with scheelite mineralisation. SAMPLED 766' - 768' (2) 768' - 770' (2) 770' - 772' (2) 772' - 774' (2) banded footwall bedo. mineralized	0.60 0.88 0.34 0.46 0.83 0.23	
774'	810 246.9	36	34	Bedded Series - Pyroxene Hornfels banded with biotite hornfels and marble. With some scheelite mineralisation. Lost Core 786' to 788' (2') SAMPLED 774' - 776' (2) 787' - 789' (½') 789' - 791' (1.5') 791' - 793' (2) 800' - 802' (2) 802' - 803' (2) 803' - 804' (1) 804' - 806' (2)	0.09 0.09 0.10 0.06 0.05 0.06 0.16 0.08	
810	823 250.8	13	13	Biotite-granite fine to medium grained.		
823	839 255.7	16	16	Bedded Series. Biotite Hornfels banded with pyroxene Hornfels.		
839	872 265.8	33	33	Bedded Series. Pyroxene Hornfels banded with biotite hornfels and minor garnet hornfels and marble, with sporadic sulphide mineralisation. Some scheelite mineralisation. SAMPLED 841' - 843' (2) 843' - 844' (1) 844' - 845' (1) 845' - 847' (2) 847' - 849' (2)	0.03 0.26 0.09 0.30 0.09	<0.01
872'	885.5 269.9	13.5	13.5	Bedded Series - Biotite Hornfels banded with pyroxene hornfels. The core is weathered and brecciated. At 874 feet fractured biotite granite. Between 871 and 886 feet 10 feet lost core. 265.5 - 270		

GEOPEKO LIMITED

DIAMOND DRILL CORE LOG SHEET

Hole No. 277

Footage		Length		Description	Assay	
From	To	Run	Rec.		WO_3	Mo
885.5	930	44.5	44.5	Biotite-granite - medium and coarse grained, with porphyritic texture. Between 889 and 913 feet several weathered (Kaolinitic and Bentonitic) zones. HOLE COMPLETED AT 930 FEET		

DIAMOND DRILL HOLE 277

Logged By: L. Szabo

SAMPLE	FOOTAGES From	To	Length		ASSAY WO_3	Mo	I. T. A	REMARKS
~~A0100~~ A0101	194.5 59.2	196.5	2	.06	0.06		0.12	
2	196.5 59.8	198.5	2		0.07		0.14	
3	198.5 60.5	200.5	2	.08	0.10		0.20	
4	200.5 61.1	202.5	2		0.06		0.12	
5	202.5 61.7	204.5	2		0.12		0.24	
6	204.5 62.3	205.5	1	.10	0.09		0.09	
7	205.5 62.6	207.5	2		0.07		0.14	
8	207.5 63.2	209.5	2		0.07		0.14	A/1 Lens
9	209.5 63.8	211.5	2	.06	0.05		0.10	
10	211.5 64.5	215.5	4		0.22		0.88	
11	215.5 65.7	219.5	4		0.08		0.32	219.5' to 221.5'
~~A0120~~ A0112	219.5 66.9	221.5	2		0.63		1.26	2' at 0.63% WO_3
13	221.5 67.5	222.5	1		0.01		0.01	
14	222.5 67.8	224.5	2	.03	0.06		0.12	
15	224.5 68.4	226.5 69.3	2		0.02		0.04	
	(A/1 Lens from 215.5' to 219.5')							
~~A0116~~ A0116	237 72.2	239	2		0.03		0.06	
18	239 72.8	241	2	.03	0.05		0.10	
19	241 73.4	243 74.1	2		0.03		0.06	
A0119	266 81.0	268	2		0.03		0.06	
20	268 81.7	272	4		0.04		0.16	
21	272 82.9	273	1		0.02		0.02	
22	273 83.2	275	2	.02	0.02		0.04	
A0135	275 83.8	276	1		0.03		0.03	
A0123	276 84.1	278	2	.05	0.04		0.08	
24	278 84.7	279	1		0.07		0.07	
25	279 85.0	282	3		0.02		0.06	
26	282 85.9	286	4		0.10		0.40	
27	286 87.1	290	4		0.05		0.20	
28	290 88.4	292	2	.06	0.06		0.12	
A0136	292 89.0	293	1		0.09		0.09	
A0129	293 89.3	295	2		0.06		0.12	A/2 Lens
~~A0130~~ A0130	295 89.9	297	2	.18	0.29	.19	0.58	from 295' to 300'. .5' at 0.25% WO_3
~~A0131~~ A0131	297 90.5	298	1		0.07		0.07	
~~A0132~~ A0132	298 90.8	300	2		0.34	.20	0.68	

DIAMOND DRILL HOLE 277

Logged By: L. Szabo

Number	Footages From	To	Length	WO_3	Mo	L x A	Remarks
A0133	300 91.4	302	2 } .08	0.10		0.20	
34	302 92.0	304	2 } 92.7	0.07		0.14	
A0137	384 117.0	386	2	0.06		0.12	
38	386 117.6	387	1 } .13	0.39		0.39	
39	387 117.9	389 118.6	2	0.07		0.14	
A0154	496 151.2	498	2 } .11	0.05		0.10	
55	498 151.8	500	2	0.17		0.34	
0356 56	500 152.4	504	4	0.89		3.56	B Lens from 500' to 507' 7' at 0.70% WO_3
6 57	504 153.6	506	2	0.55		1.10	
7 58	506 154.2	507	1	0.25		0.25	
	(B Lens from 500' to 507', 7' at 0.70% WO_3)						
59	507 154.5	509	2 } .02	0.03		0.06	
A0170	509 155.1	513	4	0.02		0.08	
A0160	513 156.4	517	4 } .03	0.03		0.12	
61	517 157.6	519	2	0.05		0.10	
62	519 158.2	523	4 } .04	0.03		0.12	
63	523 159.4	525	2	0.06		0.12	
64	525 160.0	527	2 } .05	0.05		0.10	
65	527 160.6	528	1	0.04		0.04	
66	528 160.9	532	4	0.06		0.24	
67	532 162.1	534	2	0.04		0.08	
68	534 162.8	535	1 } .03	0.03		0.03	
69	535 163.0	537 163.7	2	0.02		0.04	
A0230	565 172.2	567	2	0.03		0.06	
31	567 172.8	568	1 } .04	0.05		0.05	
32	568 173.1	570 173.7	2	0.06		0.12	
A0200	653 199	655	2 } .07	0.07		0.14	
1	655 199.6	656	1	0.07		0.07	
0368 2	656 199.9	658	2 } .97	1.12		2.24	C/1 Lens from 656' to 686'. 30' at 1.03% WO_3
9 3	658 200.5	660	2	0.82		1.64	
10 4	660 201.2	662	2 } 3.56	5.0		10.00	
1 5	662 201.8	664	2	2.12		4.24	
2 6	664 202.4	666	2 } .88	0.91		1.82	
3 7	666 203.0	668	2	0.86		1.72	

DIAMOND DRILL HOLE 277

Logged By: L. Szabo

SAMPLE	FOOTAGES From	To	Length		ASSAY WO_3	Mo	T. V. A	REMARKS
03714 A0208	668 203.6	670	2	.71	0.74		1.48	
5 9	670 204.2	672	2		0.68		1.36	
6 10	672 204.8	674	2	.85	0.98		1.96	
7 11	674 205.4	676	2		0.72		1.44	
8 12	676 206.0	678	2	.24	0.27		0.54	
9 13	678 206.6	680	2		0.21		0.42	
03814	680 207.3	682	2	.32	0.25		0.50	
15	682 207.9	684	2		0.30		0.60	
050516	684 208.5	686 209.1	2		0.42		0.84	
17	686 209.1	688	2	.13	0.13		0.26	
18	688 209.7	689	1		0.14		0.14	
19	689 210.0	691	2	.04	0.02		0.04	
20	691 210.6	692	2		0.06		0.12	
21	692 210.9	694	2	.12	0.10		0.20	
22	694 211.5	696	2		0.14		0.28	
23	696 212.1	698	2	.24	0.15		0.30	
24	698 212.7	700	2		0.33		0.66	
25	700 213.4	702	2	.13	0.07		0.14	
26	702 214.0	704	2		0.20		0.40	
27	704 214.6	706	2	.13	0.11		0.22	
28	706 215.2	708	2		0.15		0.30	
29	708 215.8	710	2	.06	0.05		0.10	
A0308	710 216.4	714	4		0.06		0.24	
9	714 217.6	718	4	.06	0.05		0.20	
050610	718 218.8	720	2		0.08		0.32	
03811	720 219.4	722	2	1.08	1.46		2.92	
412	722 220.1	724	2		0.70		1.40	
513	724 220.7	726	2	.80	0.90		1.80	
614	726 221.3	728	2		0.71		1.42	
715	728 221.9	730	2	.27	0.29		0.58	
816	730 222.5	732	2		0.25		0.50	
917	732 223.1	734	2	1.19	1.05		2.10	
039018	734 223.7	736	2		1.32		2.64	
119	736 224.3	738	2	.68	0.78		1.56	C/2 Lens 720' to 772' 52' at 0.69% WO_3
20	738 224.9	740	2		0.57		1.14	
321	740 225.5	742	2	.62	0.99		1.98	
422	742 226.2	744	2		0.25		0.50	

DIAMOND DRILL HOLE 277

Logged By: L. Szabo

SAMPLE	FOOTAGES From	To	Length		ASSAY WO_3	Mo	L X A	REMARKS
~~A0323~~ 5	744 226·8	746	2	.90	1.35		2.70	
624	746 227·4	748	2		0.44		0.88	
725	748 228·0	750	2	.70	0.77		1.54	
826	750 228·6	752	2		0.64		1.28	
927	752 229·2	754	2	.41	0.34		0.68	
~~0~~ 028	754 229·8	756	2		0.49		0.98	
129	756 230·4	658	2	.50	0.61		1.22	
230	758 231·0	760	2		0.39		0.78	
050~~7~~ 31	760 231·6	762	2	.55	0.49		0.98	
050~~8~~ 32	762 232·2	764	2		0.60		1.20	
050~~9~~ 33	764 232·9	766	2	.61	0.88		1.76	
634	766 233·5	768	2		0.34		0.68	
735	768 234·1	770 234·7	2	.65	0.46		0.92	
836	770 234·5	772	2		0.83		1.66	
~~3~~37	772 235·3	774	2	.16	0.23		0.46	
38	774 235·9	776 236·5	2		0.09		0.18	
A0339	787 239·9	789	2	.08	0.09		0.18	
40	789 240·5	791	2		0.10		0.20	
41	791 241·1	793 241·7	2		0.06		0.12	
42	800 243·8	802	2		0.05		0.10	
43	802 244·4	803	1	.08	0.06		0.06	
44	803 244·7	804	1		0.16		0.16	
45	804 245·0	806 245·7	2		0.08		0.16	
A0346	841 256·3	843	2		0.08		0.16	
47	843 256·9	844	1	.13	0.26		0.26	
48	844 257·2	845	1		0.09	<0.01	0.09	
49	845 257·5	847	2	.20	0.30		0.60	
50	847 258·1	849 258·8	2		0.09		0.18	

DDH 277

Possible fault at 337'

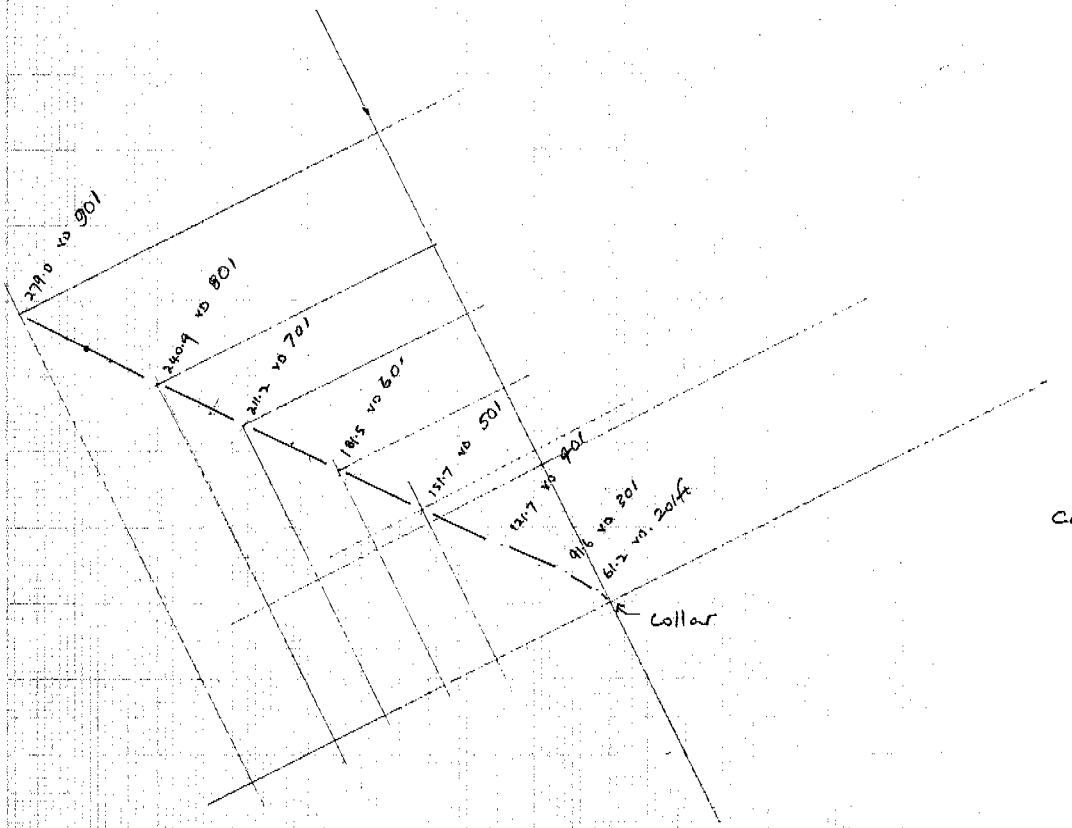
DDH 277

Scale 1:500

Plan view

total depth : 930' 283.46 m

surveyed to : 930' 283.46 m



coords:- 10361.91 E
10502.68 N.

1122m.

Coords :- 40361·91E
10502·68N

Depth.	Distance		Coords	
501'	W 8·5	N 11·0	E 40353·41	N 10513·68.
601'	12·3	15·8	E 40349·61	N 10518·48
701'	16·6	21·2.	E 40345·31	N. 10523·88
801'	20·5	26·2	E 40341·41	N 10528·88
901'	26·5	34·5	E 40335·41	N. 10537·18

1122·0m

TVD	151·7m	970·3 m
	181·5m	940·5 m
	211·2m	910·8 m
244·1	240·9m	881·1 m
	279·0m	843·0 m

Section N 10525·00
501' N 10513·68
012·32 m S/S

~~Sect~~
801' N 10528·88
Section N 10525·00
3·88

?220' (67,06 m) incompetent ground

fault?

290.5' (88.54 m) Badly broken ground fault?

Fault 293' (90.53 m) breccia

Fault 309' (94.18 m) breccia

Badly broken ground

331' (100.89 m) Fault

333' (101.50 m) "

Fault 338' (103.02 m) Breccia

Large fracture 384' (117.04 m) fault

Large fracture419.5' (127.86 m) fault in LV

Fault 466' (142.04 m) breccia

Fault 469' (143.95 m) - 472' (143,87 m) breccia

Large fracture 498' (151,79 m) fault in BH

DDH 277 / 1.

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

1	2	3	4	5	6	7	8	9	10	11	12	13		14		15		16	
Depth	Course Length	Drift Angle	Cosine Sine	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine	Contangent Tangent	Deflec ti	Co-ordinate Difference				Rectangular Difference			
												N	S	E	W	N	S	E	W
21	21	1°	0·9998 0·0175	0·0175	[illegible]	20·995	+ 0·3675	S 55W	0·5736 0·8192	0·7002	0·3		0·210		0·301		0·210		0·301
~~41~~	~~20~~											0·449		0·536		0·239		0·235	
61	40	1°			39·992	60·987	- 0·7	N 50 E	0·6428 0·7660	0·8391	-0·3	0·225		0·268		0·464		0·503	
81	20	1°			19·996	80·983	- 0·35	N 50 E			-0·(	0·338		0·091		* 0·802		0·594	
101 X	20	0·45	0·9999 0·0175	0·0131	19·985	* 100·981	- 0·35	N 15 E (015)	0·9659 0·2588	0·2679	* -1·0	0·260			0·234	1·062		0·360	
121	20	1°	0·9998 0·0175	0·0175	19·976	120·977	+ 0·35	N 42 W	0·7431 0·6691	0·9004	-0·(	0·337			0·401	1·399			0·041
141	20	1° 30	0·9997 0·0262	0·0262	19·964	140·971	+ 0·524	N 50 W	0·6428 0·7660	0·8391	-0·1	0·48			0·927	1·879			0·968
161	20	2° 15	0·9988 0·0480	0·0480	19·976	160·947	0·96	N 60 W	0·5000 0·8660	0·5774	+0·	0·578			0·767	2·457			* 1·735
181	20	2·45			19·976	180·923	0·96	N 68 W	0·6018 0·7986	0·7536	1·	0·664		—	1·023	* ·95 3·121			* 2·758 ·824
201 X	20	3 30	0·9981 0·0610	0·0618	19·962	* 200·885 (61·23)	1·22	303 N 57 W	0·6426 0·8387	0·6494	* 2·(	0·698			1·209	3·519			3·967
221	20	4	0·9976 0·0698	0·0699	19·962	220·837	1·396	N 60 W	0·5000 0·8660	0·5774	4	0·655			1·233	4·474			5·2
241	20	4			19·962	240·789	1·396	N 68 W	0·4695 0·8829	0·5317	5·	0·792			1·559	5·266			6·754
261	20	5	0·99962 0·0872	0·0875	19·924	260·716	1·744	N 69 W	0·4540 0·8910	0·5095	7	0·792			1·559	6·058			8·308
281	20	5			19·924	280·637	1·744	N 69 W			9·	0·810			1·736	* 2·09 6·868			* 3·00 10·044
301 X	20	5 30	0·9954 0·0958	0·0963	19·908	* 300·546 (91·60)	1·916	295 N 65 W	0·4226 0·9063	0·4663	* 11·	1·030			2·209	7·878			12·253
321	20	7	0·9925 0·1219	0·1228	19·850	320·395	2·438	N 69 W			13	0·998			2·599	8·896			14·852
341	20	8	0·9903 0·1392	0·1405	19·806	340·201	2·784	N 69 W	0·3584 0·9336	0·3839	16	1·189			2·8	10·085			17·652
361	20	8·45	0·9884 0·1521	0·1539	19·768	359·969	3·042	N 67 W	0·3907 0·9205	0·4245	19	1·272			2·857	11·357			20·509
381	20	9	0·9877 0·1564	0·1584	19·754	379·723	3·128	N 66 W	0·4067 0·9135	0·4452	22	1·377			3·093	* 3·88 12·734			* 1·19 23·602
401 X	20	9 45	0·9856 0·1693	0·1718	19·712	* 399·435 (121·75)	3·386	294 N 66 W			* 25·	1·390			3·275	16·124			26·877
421	20	10·15	0·9840 0·1779	0·1808	19·680	419·115	3·558	N 67 W	0·3907 0·9205	0·4245	29·	1·424			3·354	15·458			30·231
441	20	10 30	0·9833 0·1822	0·1853	19·666	438·781	3·644	N 67 W			33·	1·576			3·380	17·124			33·611
461	20	10·45	0·9825 0·1865	0·1899	19·650	458·431	3·73	N 65 W	0·4226 0·9063	0·4663	36·(	1·552			3·486	18·676			37·097
481	20	11	0·9816 0·1908	0·1944	19·632	478·063	3·816	N 66 W	0·4067 0·9135	0·4452	40·	1·613			3·458	* 6·19 20·289			* 12·36 40·555
501 X	20	11			19·632	* 497·695 (151·70)	3·816	295 N 65 W	0·4226 0·9063	0·4663	* 44·5(	1·587			3·564	21·876			44·119
521	20	11·15	0·9808 0·1951	0·1989	19·616	517·311	3·902	N 66 W	0·4067 0·9135	0·4452	48·4(	1·587			3·564	23·463			47·683
541	20	11·30			19·616	536·927	3·902	N 66 W			52·32(	1·685			3·614	25·148			51·297
561	20	11·30	0·9799 0·1994	0·2035	19·598	556·525	3·988	N 65 W	0·4226 0·9063	0·4663	56·31(	1·757			3·768	26·905			55·065
581	20	12	0·9781 0·2079	0·2126	19·562	576·087	4·158	N 65 W			60·4(	1·829			3·922	* 8·76 28·734			* 18·0 56·797
601 X	20	12 30	0·9763 0·2164	0·2217	19·526	* 595·613 (181·54)	4·328	295 N 65 W			* 64·7(								

DDH 277/2

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

1	2	3	4	5	6	7	8	9	10	11	12
Depth	Course Length	Drift Angle	Cosine Sine	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine	Contangent Tangent	Defl ti
621	20	13°	0·2744 0·2250	0·2309	19·488	615·101	N A·5	N 66 W	0·4067 0·9135	0·4452	69·29
641	20	13°			19·488	634·589	4·6	N 66 W			73·79
661	20	13°			19·488	654·077	4·5	N 66W			78·2
681	20	13°			19·488	673·565	4·5	N 65W	0·4226 0·9063	0·4603	82·7
701 *	20	13° 15'	0·9724 0·2332	0·2355	19·468	* 693·033 (211.23)	4·584	N 64 W (296)	0·4354 0·8988	0·4877	* 87·3
721	20	13° 15'			19·468	712·501	4·584	N 73W	0·3924 0·9563	0·3057	91·9
741	20	13° 15			19·468	731·969	4·584	N 65W	0·4226 0·9063	0·4663	96·5
761	20	13° 15			19·468	751·437	4·584	N 65W			101·1
781	20	13° 30	0·9724 0·2336	0·2401	19·448	770·585	4·668	N 64W	0·4354 0·8988	0·4877	105·8
801 *	20	13° 45	0·9713 0·2377	0·2447	19·426	* 790·311 (240·89)	4·764	N (295) 65 W	0·4220 0·9063	0·4663	* 110·9
821	20	14°	0·9703 0·2419	0·2493	19·406	809·717	4·838	N 64 W	0·4354 0·8988	0·4877	115·3
841	20	14°			19·406	829·123	4·838	N 63 W	0·4540 0·8910	0·5095	120·2
861	20	14°			19·406	848·529	4·838	N 60W	0·5000 0·8660	0·5770	125·0
871	10	14° 15	0·9692 0·2462	0·2540	9·692	858·221	2·462	N 60W			127·5
930	X 59	14° 30	0·9681 0·2504	0·2586	57·118	* 915·339 (278·99)	14·774	N (70°) 60 W	0·5000 0·8660	0·5770	* 142·3

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

13		14		15		16	
Co-ordinate Difference				Rectangular Difference			
N	S	E	W	N	S	E	W
1·830			4·111	30·564			63·098
1·830			4·111	32·394			67·209
1·830			4·111	34·224			71·32
1·902			4·078	36·126			75·398
2·010			4·120	* 38·136 (11.62)	120		* 79·518 (24.24)
1·340			4·384	39·476			83·902
1·937			4·164	41·413			87·056
1·937			4·164	43·350			92·210
2·046			4·196	45·396			96·406
2·009			4·309	* 47·405 (14.46)	800		* 100·715 (30.07)
2·121			4·345	49·526			105·06
2·196		—	4·311	51·722			109·371
2·419			4·190	54·141			113·561
1·231			2·132	55·372			115·693
7.387			12.794	* 62.759 (19.13)			* 128.487 (39.18)

Average horizontal deflection = $\sqrt{\text{Co-ord. difference } N^2 + \text{Co-ord. difference } W^2}$

Average horizontal deflection = 142.995 feet

Average angle of horizontal deflection = $\text{tg}\,\alpha = \frac{\text{co-ord. difference } N}{\text{co-ord. difference } W}$

Average angle of horizontal deflection = W 26° N (142.995 ft)

Average angle of drift in degrees (Nomograph) = 8.7°

Average drift: 0.935° per 100 ft, or 15.376 ft per 100 ft

DDH 277 True depth of ore lenses

DDH 277/3

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1 By L. Stark

1	2	3	4	5	6	7	8	9	10	11	12
Depth	Course Length	Drift Angle	Cosine Sine	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine	Contangent Tangent	Deflection
A/1 201	A/1 Lens No considerable change					200.885					2.9
221						220.937					4.3
A/2 301	A/2 Lens No considerable change					300.545					11.
	B Lens from 500 to 507 ft					True thickness: 6.87 ft					
481						478.063					40.
500	19	11°	0.9816 0.1908	0.1944	18.650	496.713	3.625	N 65 W	0.4226 0.9063	0.4663	44.
501						497.695					44.
507	6	11°15'	0.9808 0.1951	0.1989	5.885	503.580	1.171	N 66 W	0.4067 0.9135	0.4452	45.
	C/1 Lens from 856 to 686 ft					True thickness: 29.32 ft					
641						634.589					73
C/1 656	15	13°	0.9744 0.2250	0.2309	14.616	649.205	3.375	N 66 W	0.4067 0.9135	0.4452	77
681						673.656					82
686	5	13°15'	0.9734 0.2292	0.2355	4.867	678.523	1.146	N 64 W	0.4384 0.8988	0.4877	83
	C/2 Lens from 720 to 772 ft					True thickness ...					
701						693.033					
720	19	13°15'	0.9734 0.2292	0.2355	18.495	711.528	4.355	N 730 W	0.2924 0.9563	0.3057	
761						751.437					
772	11	13°30	0.9724 0.2334	0.2401	10.696	762.133	2.567	N 64° W	0.4384 0.8988	0.4877	
871.	Granite 885.5 ft					858.231					
885.5	14.5	14°30'	0.9681 0.2504	0.2586	14.034	872.265	3.631	N 60° W	0.5000 0.8660	0.5770	
901						[illegible]					
8 25.31	4.31	14°	0.9702 0.2419	0.2493	4.182	813.899	1.043	N 64 W	0.4384 0.8988	0.4877	
541						536.927					
553.87	12.87	11°30'	0.9781 0.1994	0.2054	12.592	548.089	2.556	N 65 W	0.4226 0.9063	0.4663	

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 2

13		14		15		16	
Co-ordinate Difference				Rectangular Difference			
N	S	E	W	N	S	E	W
				3.819			3.967
				6.868			10.044
				18.676			37.097
1.532			3.285	20.208		(-107.26 ft)	40.382
				20.289			40.555
0.476			1.070	20.765		(-114.13 ft)	41.625
				32.394			67.209
1.373			3.083	33.767		(-259.76 ft)	70.292
				36.126			75.398
0.502			1.030	36.628		(-289.07 ft)	76.428
				38.136			79.518
1.273			4.164	39.409			83.682
				43.350			92.210
1.126			2.300	44.476			94.518
				55.372			115.693
1.815			3.144	57.187			118.837
				[illegible]			[illegible]
0.457			0.937	49.923			105.997
				23.463			47.683
1.080			2.317	24.543			50.000

DDH 277 (4)

EASTMAN MULTISHOT DRILL HOLE SURVEY

CALCULATION SHEET NO. 1

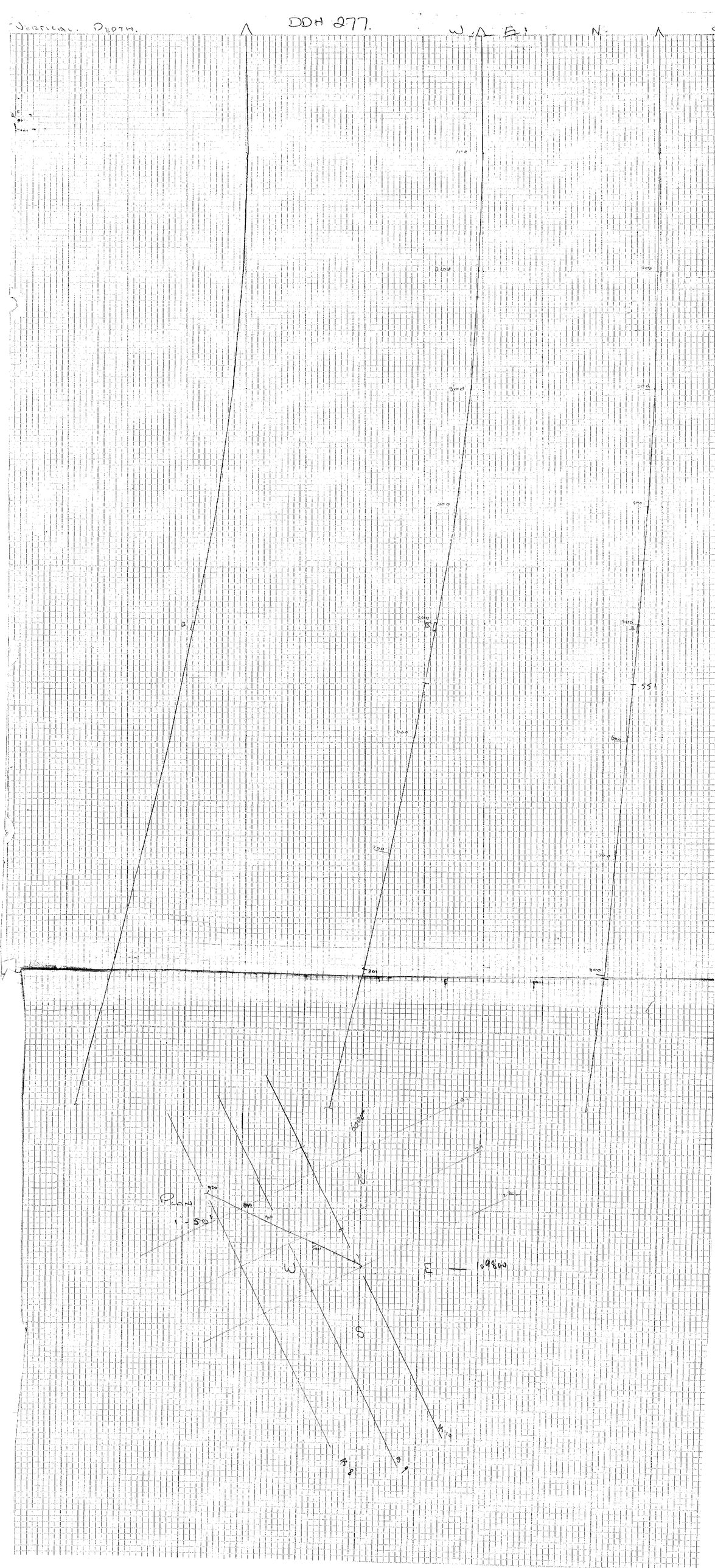
1	2	3	4	5	6	7	8	9	10	11	12
Depth	Course Length	Drift Angle	Cosine Sine	Contangent Tangent	Vertical Depth	True Vertical Depth	Course Deviation	Drift Direction	Cosine Sine	Contangent Tangent	Defle ti
541						536.927					
551.582	10.582	11°00'			10.069	547.296	2.110	N 65°W			
781						770.885					
795.76	14.76	13°45'			14.336	785.221	3.508	N 65°W			
801						790.311					
801.14	0.141	14°			0.137	790448	0.034	N 64°W			

EASTMAN MULTISHOT DRILL HOLE SURVEY

DDH 277/4

CALCULATION SHEET NO. 2

13		14		15		16	
Co-ordinate Difference				Rectangular Difference			
N	S	E	W	N	S	E	W
				23.463			47.683
0.892			1.912	24.355		550	49.595
				45.396			96.406
1.483			3.18	46.879		500	99.586
				9850			
0.015				47.40			100.715
0.015			0.021	47.420			100.746


VERTICAL DEPTH.
DDH 277.
W.
E.
N.
551
801
800
930
880
840
760
720
680
640
600
560
520
480
440
400
360
320
280
240
200
160
120
80
40