

DIAMOND DRILL REPORT

Hole No. _____ Location _____ CO-ORDINATES: N 7750 E 13750
 Evaluation Collar 3758 Direction of hole down Dip of hole vertical
 Date Started March 29/58 Date finished May 13/58 Large core from 3" 0-60 to _____
 #1717 Oriental Surface Small core from 3" 60-80 to _____

DATE	CORE RECOVERY		% REC.	GENERAL	ECONOMIC
	DEPTH FROM	TO			
				6-220 Underside of ...	
				220-231 ...	
				231-240 ...	
				240-257 ...	
				257-275 ...	
				275-289 ...	
				289-300 ...	
				300-310 ...	
				310-320 ...	
				320-330 ...	
				330-340 ...	
				340-350 ...	
				350-360 ...	
				360-370 ...	
				370-380 ...	
				380-390 ...	
				390-400 ...	
				400-410 ...	
				410-420 ...	
				420-430 ...	
				430-440 ...	
				440-450 ...	
				450-460 ...	
				460-470 ...	
				470-480 ...	
				480-490 ...	
				490-500 ...	
				500-510 ...	
				510-520 ...	
				520-530 ...	
				530-540 ...	
				540-550 ...	
				550-560 ...	
				560-570 ...	
				570-580 ...	
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				600-610 ...	
				610-620 ...	
				620-630 ...	
				630-640 ...	
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				650-660 ...	
				660-670 ...	
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				680-690 ...	
				690-700 ...	
				700-710 ...	
				710-720 ...	
				720-730 ...	
				730-740 ...	
				740-750 ...	
				750-760 ...	
				760-770 ...	
				770-780 ...	
				780-790 ...	
				790-800 ...	
				800-810 ...	
				810-820 ...	
				820-830 ...	
				830-840 ...	
				840-850 ...	
				850-860 ...	
				860-870 ...	
				870-880 ...	
				880-890 ...	
				890-900 ...	
				900-910 ...	
				910-920 ...	
				920-930 ...	
				930-940 ...	
				940-950 ...	
				950-960 ...	
				960-970 ...	
				970-980 ...	
				980-990 ...	
				990-1000 ...	

DIAMOND DRILL REPORT

Hole No. _____ Location _____ CO-ORDINATES: N _____ E _____

Evaluation Collar _____ Direction of hole _____ Dip of hole _____

Date Started _____ Date finished _____ Large core from _____ to _____

Small core from _____ to _____

H 1717

DATE	CORE RECOVERY				GENERAL	ECONOMIC
	DEPTH		% REC.			
	FROM	TO				
					270 - 276	And. buff. 7.9. Grey-green
	64	65	1.1		Black shaly s.t. alk.	fractured - brown
	65	70	4.3		siliceous. A few phys. in situ.	Thin, variable chalc
	70	74	2.8	82	at 275	
	74	77	2.8		276 - 286	Co. buff. Prom. gult.
	77	80	2.1		Band of and. buff. 282 - 283.	Co. buff. fracture &
	80	85	4.4	94	some veining	
	85	88	2.2			
	88	95	4.7	69	286 - 332	And. buff. Buff. 7.9. Bleached
	95	100	1.9		pale grey-green. Band Co. buff.	prom. gult.
	100	102	0.9		794 - 246	Fragmental 310 - 332 chips 1/2 ft.
	102	106	2.0	44	at 101 - chl. 1/2 ft. - Rock is still	mainly buff.
	106	110	2.0		Black & cr. buff. prom. gult. 325.5 - 327	
	110	116	3.5	55	Purpl. if calc. 315 - 328	Minor fracture.
	116	121	2.2			
	121	127	3.4	51	332 - 372	Co. buff. - prom. gult. Pale grey-green
	127	131	3.2		& pale shaly buff. altered matrix	Altered felds.
	131	137	2.8	60	Hard siliceous in situ 340 - 342. Buff. - all altered	
	137	140	2.9		is altered - calc. veining	
	140	147	6.2	91		
	147	157	9.3	93	372 - 418	And. buff. - coarse fragmental, bleached
	157	167	9.3	93	Usual large band 375 - 379, 380 - 384 - amyg.	
	167	172	4.6	90	Also calc. cr. buff. - prom. gult. Mainly co. buff. prom	
	172	180	5.1	64	gult 383 - 384.5, 386.5 - 388.5, 400 - 403, 411 - 413	
	180	189	6.2	74	Fractured, calc. veining	
	189	199	10.2	100	413.5 - 418	Mainly grey & black shaly. Cherty and calc.
	199	209	6.2	62	buff. 7.9. - sp. due to small gult.	Greenish, some hard
	209	214	2.3	46	older - approaching siliceous buff.	
	214	224	9.7	97		

DIAMOND DRILL REPORT

Hole No. Location CO-ORDINATES: N. E

Evaluation Collar Direction of hole Dip of hole

Date Started Date finished Large core from to

Small core from to

H. 1717

DATE	CORE RECOVERY				GENERAL	ECONOMIC
	% DEPTH		% REC.			
	FROM	TO				
	224	232	3.7	36	418-438	lg. buff prom. quartz. Fractured - calc.
	232	239	3.1	52	mainly, 418-436	50% black shales, brecciated buff. - hard.
	239	246	1.7	21		Also some andes. buff bands
	246	250	1.4		436-	prom. quartz & fresh co. beds. Quite a few
	250	255	2.4	39		mineral inter-layers. Lava frags - buff. & calc. also
	255	260	2.4			rhynchitic frags, occasional reddish. Numerous patches of grey to
	260	266	1.4	35		buff siliceous & mottling
	266	272	2.8			
	272	276	2.2	50		
	276	282	3.7		438-454	Andesite, buff zone. Bleached grey. Fractured
	282	286	3.0	67		Bedded, numerous interbedded black cherty bands
	286	291	1.3	30		Andesite, buff zone, coarse gr., quartz, chert. calcite in
	291	301	10.2	100		matrix. Bedding 65° to calc. A couple minor andes. chb.
	301	310	7.7	86	pale grey silt. ; 438-442	(35° to 40° - bedding could be same. Dip in this section
	310	316	3.4		452-53	lg. chert, pale grey, fractured. Fractured - calcite
	316	322	5.0	70		
	322	329	5.0			
	329	333	2.7	70	454-549	Andesite sills. Minor border. A few
	333	343	10.1	100		bands black cherty buff to 458' Fractured - calcite
	343	347	2.5	62		mainly, pale grey-green to grey. green. away from border.
	347	352	4.6			lg. chert. blocks
	352	359	5.3	82		Andesite, buff, steep 35° to 40° dip. 458.5-501, 515.5-517
	359	369	7.9	79		Fractured 35° to core at 549.
	369	375	7.5			
	375	380	3.6	100	549-585-776	lg. buff - prom. quartz. Quite a few frags.
	380	388	7.1			rhynchitic & inter. Blot Pb-Pb at 553' Fractured - calcite
	388	392	4.6	97	575-579.5	green. green andes. frag. bands - calcite in matrix &
	392	402	9.8	100		numerous calcite beds.
					594-609	Trachyte silt. Pale buff to dark flesh colored. A few
						small feld. phenos - in part incipient & in part siliceous. Thin chert. black,

DIAMOND CORE REPORT

Hole No. Location CO-ORDINATES: N E

Evaluation Collar Direction of hole Dip of hole

Date Started Date finished Large core from to

Small core from to

DATE	CORE RECOVERY				GENERAL	ECONOMIC
	DEPTH			% REC.		
	FROM	TO				
	402	412	10.2	100	contact 45° to west at 594' & 90° to east	609' fractured,
	412	420	6.4		caliche stringers	
	420	424	3.3	81	615-622 Grey, over f. ss. and silt. Numerous caliche	
	424	426	1.0		filled fractures, 1' ch. blocks	bedded contact 60° to
	426	432	7.1	93	core of 622	
	433	443	10.3	100	635-640 Trachyte at 594-609	contact 55° to 20° to east
	443	450	6.6		64 green bedded f. ss. buff at 708-708.5	711-712 green f. ss. buff
	450	454	3.2	92		
	454	456	1.3			
	456	462	6.1	96	776-800 f. ss. & ch. over ss. and silt. Occurs	
	462	472	10.1	100	single bag. Mottled calcining due to caliche, opedote	
	472	482	10.1	100	siliceous intrud. also fractured - caliche stringing	
	482	492	10.2	100	some hematite staining 798-800.	
	492	502	9.8	100		
	502	512	9.1	100		
	512	516	3.0	65	800-900, Brown, brown med. gr. a. basic g. ss. & some	
	516	526	10.2	100	black colored siliceous. Some and silt. structure in	
	526	536	10.4	100	1 foot a last foot f. ss. a few caliche filled fractures	
	536	546	6.8	68		
	546	556	7.9	78	804-809 Grey f. ss. and silt. buff.	ch. & calcined
	556	564	11.4	92	4' to caliche filled fractures. Some	ch. & calcination
	564	570	9.2	100		
	570	580	7.8	100		
	580	586	6.2	100	809-927 black siliceous	
	586	595	9.2	91	black siliceous. Some and silt. structure	calcination occurring
	595	602	6.8		and a contact at 900-912, 915-922	
	602	607	5.0	100	brownish f. ss. and silt.	
	607	617	10.0	100		
	617	624	7.2	100		

DIAMOND FULL REPORT

Hole No. Location CO-ORDINATES: N E

Evaluation Collar Direction of hole Dip of hole

Date Started Date finished Large core from to

Small core from to

DATE	CORE RECOVERY				GENERAL	ECONOMIC
	DEPTH		% REC.			
	FROM	TO				
	624	634	9.2	97	921-1003	Dark grey, silty, med. gr. to fine. Many thin, small, white, irregular, and some red, green, and blue fragments.
	634	644	10.2	100		
	644	648	3.3		741-749	Dark grey, silty, med. gr. to fine. Many thin, small, white, irregular, and some red, green, and blue fragments.
	648	653	4.0	81		
	653	661	7.6	100	953-959	Dark grey, silty, med. gr. to fine. Many thin, small, white, irregular, and some red, green, and blue fragments.
	661	671	10.0	100		
	671	681	10.2	100		
	681	691	10.1	100		
	691	701	10.2	100		
	701	711	10.2	100		
	711	722	10.2	93	1003-1008	Dark grey, silty, med. gr. to fine. Many thin, small, white, irregular, and some red, green, and blue fragments.
	722	727	0.6			
	727	731	1.6	24		
	731	741	2.7	97	1008-1009.5	Dark grey, silty, med. gr. to fine. Many thin, small, white, irregular, and some red, green, and blue fragments.
	741	749	7.7	96		
	749	754	1.8			
	754	761	6.1	97	1009.5-1011	Dark grey, silty, med. gr. to fine. Many thin, small, white, irregular, and some red, green, and blue fragments.
	761	771	10.0	100		
	771	776	1.5	30		
	776	782	5.1		1011-1014	Dark grey, silty, med. gr. to fine. Many thin, small, white, irregular, and some red, green, and blue fragments.
	782	786	2.6	87		
	786	796	10.0	100		
	796	800	2.4	72		
	800	810	9.2	95	1014-1027-1131	Dark grey, silty, med. gr. to fine. Many thin, small, white, irregular, and some red, green, and blue fragments.
	810	820	5.1			
	820	826	5.0	83		
	826	837	4.6			
	837	838	2.8	82		

DIAMOND DRILL REPORT

Hole No. Location CO-ORDINATES: N E

Evaluation Collar Direction of hole Dip of hole

Date Started Date finished Large core from to

Small core from to

H. 1717

DATE	CORE RECOVERY				GENERAL	ECONOMIC
	DEPTH		% REC.			
	FROM	TO				
	235	239	3.2		1162-1171	siliceous soil, med. to coarse, brown bedding, 70° to 80°
	239	243	1.8		1171-1192	arkose cong.
	243	246	2.4	67		
	246	257	3.6	86	1192-1210	Dacite buff. Dark brownish staining (hematite) variety of fill. type of 0-2. Minor siliceous siliceous & a few calcite sh. of fracture.
	256	260	2.7			
	260	263	2.6			
	263	267	4.4	83	1203-1214	Dark brown trachyte sill. Small felds.
	267	272	4.2			phenos. & a few tiny gneiss.
	272	278	5.3	86	1230 →	Some minor calc. soil, but 4 corals, mixture. Hematite staining, gradually, felds - none.
	278	283	11.2			1245 →. Apparently associated with trachyte sill. Considerable fracture - becoming
	283	290	1.0	85		
	290	298	8.2		1247-1254-1265	grey-buff trachyte sill, felds, phenos only - some altered.
	298	297	4.6			
	297	310	3.7	83	1265-1316	Dacite buff. Considerable siliceous to 1302. Occasional felds, otherwise very few frags
	310	320	9.4			fractured calc. staining.
	320	322	2.1	96		No siliceous 1302-1310. Some minor yellowish alteration.
	322	322	10.0	100		
	322	327	4.2			
	327	340	3.3	98		
	340	346	5.3		1310-1407	Trachyte sill. Siliceous, altered felds.
	346	349	1.9	80		sil. block. Rub. calc. zone. To some buff patches
	349	359	8.8	88	Late - siliceous fracture - calcite felds.	
	359	367	7.1	89		Zones of fracturing, with some minor calc. staining & thin layers
	367	372	3.9	78		toward the rubble, alteration along fracture zones to sill
	372	380	7.5	94		green material. Occasional patch with a few tiny frags
	380	385	3.7			1407, or tiny near lat. 1407, sometimes calcite
	385	392	4.0	64		siliceous. Fracturing, calcite, but almost with
	392	396	1.7			alteration along each fracture.
	396	399	2.0	53		Considerable late fracturing 1375-1407.

E

Dip of hole

to

tc

2.2

DIAMOND DRILL REPORT

Hole No. Location CO-ORDINATES: N E

Evaluation Collar Direction of hole Dip of hole

Date Started Date finished Large core from to

Small core from to

DATE	CORE RECOVERY				GENERAL	ECONOMIC
	DEPTH			% REC.		
	FROM	TO				
	1163	1171	7.4	92		
	1171	1177	3.6			
	1177	1180	3.0	62		
	1180	1190	7.2	92		
	1190	1196	3.2	58		
	1196	1204	8.0	100		
	1204	1208	1.1			
	1208	1210	1.7			
	1210	1214	3.9	67		
	1214	1224	8.4	84		
	1224	1234	9.3	94		
	1234	1244	10.1	100		
	1244	1253	6.1	69		
	1253	1263	10.1	100		
	1263	1270	5.5	78		
	1270	1277	6.6			
	1277	1283	3.6	78		
	1283	1290	4.2	60		
	1290	1296	4.6			
	1296	1298	1.5			
	1298	1302	3.8	82		
	1302	1306	2.1			
	1306	1313	5.2	66		
	1313	1319	2.3	42		
	1319	1327	7.7	98		
	1327	1337	10.1	100		
0.7	1337	1345	7.2	92		
	1345	1353	8.2	82		
	1353	1362	4.5	64		

Small core from _____ to _____

[illegible]