

PASMINGO EXPLORATION DIAMOND DRILL HOLE LOG

Hole ID
EAF6 EXT

DRILLING			OBJECTIVE					COLLAR SURVEY (AMG)									
Location	BROWNS TUNNEL		EAF6 was extended from 102.4m to test the continuation of mineralization intersected in EAF9 thought to be downhole of existing drill hole.					AMG mN	5384639.0	Bearing	281.0						
Project	BURNS PEAK							AMG mE	377745.0	Dip	-45.0						
Prospect	BROWNS TUNNEL							mN			Hole Length	197.0					
Design By	PMQ							mE			DH Survey Type	eastman single shot					
Logged By	PMQ							RL	482.0								
Relogged								RESULT					DOWNHOLE SURVEY (AMG)				
Commenced	30 March 1996							Low tenor mineralization was intersected in the andesite position.					Depth	Bearing	Dip		
Completed	3 April 1996												0.0	-45.00	281.00		
Drilled By	East Coast Drilling												51.0	-45.00	279.00		
Drill Rig	LM38												102.4	-45.00	276.00		
			133.0	-45.75	279.50												
			163.0	-45.00	280.00												
			190.0	-43.50	281.00												
SIGNIFICANT CORE LOSS			POOR GROUND CONDITION ZONES														
HOLE SIZE			HOLE CONDITIONS AFTER COMPLETION														
From	To	Size	Collar	CAPPED													
102.4	197	NQ	Steel Casing	YES													
			PVC Casing	NIL													
			Ground Water	NIL													
			Wedge	NIL													
			Drill Pad	CLEARED AND SUMP FILLED IN													
SIGNIFICANT INTERSECTIONS																	
From	To	Int	Cu	Pb	Zn	Ag	Au	Comments									
0	0	21.3			2.1%												

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PHYSICAL PROPERTIES / RECOVERIES

Depth	Rec %	Mag	SG	Formn	Lith	Depth	Rec %	Mag	SG	Formn	Lith
103.20	100	0.02		BTS	Lr	197.00	100	0.05		PR	Lr
105.90	100	0.04		BTS	Lr						
107.70	106	0.02		BTS	Lr						
110.20	96	0.02		BTS	Lr						
114.20	100	0.14		BTS	Lr						
116.00	100	0.01		BTS	Ln						
118.20	95	0.06		BTS	Ln						
121.20	100	0.03		BTS	Ln						
124.20	97	0.01		BTS	Ln						
127.20	100	0.03		BTS	Ln						
130.20	100	0.04		BTS	Ln						
133.20	100	0.06		BTS	Ln						
136.20	100	0.01		BTS	Ln						
139.20	100	0.03		BTS	Ln						
141.90	100	0.10		BTS	Ln						
145.00	100	0.13		BTS	Ln						
148.10	100	0.17		BTS	Ln						
151.20	97	0.08		BTS	Ln						
154.20	72	0.22		BTS	Ln						
157.20	100	0.26		BTS	Ln						
160.20	100	0.14		BTS	Ln						
163.20	100	0.11		BTS	Ln						
166.20	100	0.08		BTS	Ln						
169.20	100	0.15		BTS	Ln						
172.20	100	0.08		BTS	Ln						
175.20	100	0.10		BTS	Ln						
178.20	100	0.09		BTS	Ln						
181.20	100	0.12		BTS	sst						
184.20	100	0.10		BTS	sh						
187.20	100	0.08		BTS	Ln						
189.20	100	0.05		PR	Lr						
192.20	100	0.06		PR	Lr						
195.30	100	0.09		PR	Lr						

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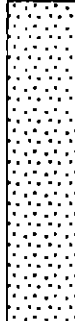

Hole No.

ERF6

PROJECT:

Vertical Scale 1 : 150

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DESCRIPTION					GRAPHIC			STRUCTURES
FROM	TO	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Struct	
0.00	14.50	BRECCIA. poorly sorted coarse grained breccia comprising rhyolitic lava and grey shale clasts.						
14.50	20.00	SANDSTONE. irregular pumiceous clastic, possibly mass flow incorporating shale clasts, possibly part of a upwards fining mass flow.						
20.00	39.00	SANDSTONE. volcanoclastic sandstone rhyolite derived with minor shale pumice and pyrite clasts.						

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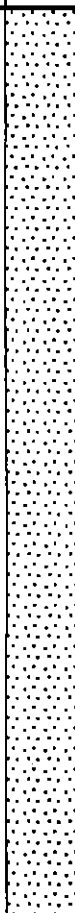


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DIAMOND DRILL HOLE LOG

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DESCRIPTION				GRAPHIC				
FROM	TO	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Struct	STRUCTURES
20.00	39.00	SANDSTONE. volcanoclastic sandstone rhyolite derived with minor shale pumice and pyrite clasts.						
39.00	41.60	PUMICEDUS MASS FLOW. pumiceous sandstone with abundant 3mm shale clasts.						
41.60	44.80	CHERT. tan-grey massive to laminated cherty siltstone.						

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PASMINCO EXPLORATION

DIAMOND DRILL HOLE LDG

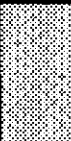




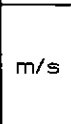
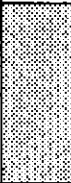
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DESCRIPTION					GRAPHIC			
FROM	TO	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Struct	STRUCTURES
41.60	44.80	CHERT. tan-grey massive to laminated cherty siltstone.						
44.80	46.30	BRECCIA. polymict breccia comprising predominantly chert clasts with pumice clasts and sphalerite clasts.						
46.30	48.10	CHERT. grey massive to laminated cherty siltstone.						
48.10	48.90	BRECCIA. cherty breccia						
48.90	53.60	BRECCIA. breccia cherty siltstone.			50			
53.60	57.00	BRECCIA. cherty breccia						
57.00	59.40	MASSIVE SULPHIDE. in cherty siltstone				m/s		
59.40	74.50	CHERT. massive to brecciated cherty siltstone.			60			

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DIAMOND DRILL HOLE LOG

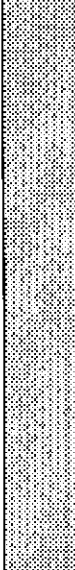

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DESCRIPTION					GRAPHIC			
FROM	TO	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Struct	STRUCTURES
59.40	74.50	CHERT. massive to brecciated cherty siltstone.			70			
74.50	84.20	BRECCIA. lava breccia.			80			

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PASMINCO EXPLORATION

DIAMOND DRILL HOLE LOG

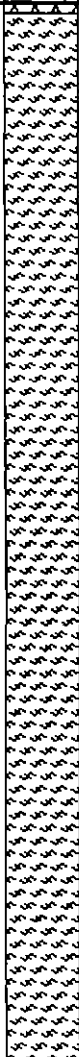
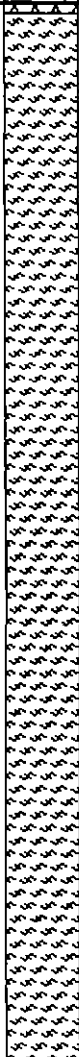
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DESCRIPTION				GRAPHIC			STRUCTURES
FROM	TO	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	
84.20	102.40	BRECCIA. lava breccia. RHYOLITE. quartz phyric rhyolite lava, sill? of Pinnacles Rhyolite.			90		
102.40	115.30	RHYOLITE buff, massive, quartz phyric feldspar phyric. massive in part but with autobrecciation in part with flow banded clasts.. CONTACT: conformable abrupt	moderately sericitised, slightly silicified		100		

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PASMINCO EXPLORATION

DIAMOND DRILL HOLE LOG

Hole No.

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DESCRIPTION					GRAPHIC			
FROM	TO	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Struct	STRUCTURES
102.40	115.30	RHYOLITE buff, massive, quartz phyric feldspar phyric. massive in part but with autobrecciation in part with flow banded clasts.. CONTACT: conformable abrupt	moderately sericitised, slightly silicified					
					110			BROKEN CORE
			highly carbonatised, massive fine grained straw coloured manganese carbonate alteration. (Could this be the altered fringe of the rhyolite that is replaced by massive sphalerite? elsewhere.)					PRIMARY FABRIC A45
115.30	128.60	ANDESITE MIXED WITH CHERT blue grey, peperitic. cherty shale comprises 60% of rock, and is finely laminated in part. The andesite is chlorite/sericite/pyrite altered and displays classical peperite textures.. CONTACT: gradational	moderately silicified, moderately sericitised. intense cherty alteration in fine grained sediment part, and waxy green sericite alteration in lava part of peperite.	STRINGER abundant sphalerite as stringers minor chalcocopyrite as stringers. coarse grained red-brown sphalerite and chalcocopyrite possibly replacing fine grained gun-metal grey galena/sphalerite nucleating in fine fractures in the cherty altered fine grained sediment part of peperite.				PRIMARY FABRIC A50
				STRINGER minor sphalerite as stringers minor pyrite disseminated. similar occurrence to above interval, but less abundant. Minor band of spotty fine grained semi-massive pyrite apparently replacement of sphalerite.	120			FAULT A70 pug

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PRSMINCO EXPLORATION

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DIAMOND DRILL HOLE LOG

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		DESCRIPTION			GRAPHIC			
FROM	TO	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	Struct	STRUCTURES
115.30	128.60	ANDESITE MIXED WITH CHERT blue grey, peperitic. cherty shale comprises 60% of rock, and is finely laminated in part. The andesite is chlorite/sericite/pyrite altered and displays classical peperite textures.. CONTACT: gradational	moderately silicified, moderately sericitised. intense cherty alteration in fine grained sediment part, and waxy green sericite alteration in lava part of peperite.	STRANGER minor sphalerite as stringers minor pyrite disseminated. similar occurrence to above interval, but less abundant. Minor band of spotty fine grained semi-massive pyrite apparently replacement of sphalerite.				
128.60	140.90	ANDESITE MIXED WITH CHERT buff grey, peperitic. Cream massive carbonate sericite altered andesite comprises 80% of rock with blue grey cherty mineralized silica occurring as irregular veins and breccia fill. The andesite contains common quartz grains, possibly silica filled vesicles, abundant sericite altered feldspars and possibly hornblends, and abundant fine grained sericite-sphalerite-leucosene, and frequent pseudo-clasts of less altered andesite.. CONTACT: conformable abrupt	moderately carbonatised, moderately silicified, slightly sericitised. blue grey cherty alteration in irregular veins or fracture infill between fragmented straw coloured manganese carbonate altered volcanics	STRANGER abundant sphalerite as stringers minor galena as stringers. coarse grained red brown sphalerite apparently replaced fine grained gunmetal grey fine sulphides nucleated on fractures in silicified sediment part of peperite.	130			
140.90	152.40	ANDESITE MIXED WITH CHERT buff, hyaloclastitic. Textures are more like hyaloclastite with preferential silica alteration of finer fraction, and mineralized silica infilling. Andesite is sericite altered.. CONTACT: conformable abrupt	moderately silicified, moderately sericitised, slightly carbonatised. blue grey cherty alteration in sediment part and waxy green sericite alteration in fragmented volcanic part of peperite.	STRANGER minor sphalerite as stringers minor galena as stringers. coarse grained red brown sphalerite and coarse grained galena interstitial to fragmental volcanics.	140			

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PASMINCO EXPLORATION

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DIAMOND DRILL HOLE LOG

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DESCRIPTION				GRAPHIC			STRUCTURES
FROM	TO	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	
140.90	152.40	ANDESITE MIXED WITH CHERT buff, hyaloclastitic. Textures are more like hyaloclastite with preferential silica alteration of finer fraction, and mineralized silica infilling. Andesite is sericite altered.. CONTACT: conformable abrupt	moderately chloritised, slightly sericitised, slightly silicified. dark green chlorite appears to have replaced sericite.	STAINER minor sphalerite as stringers minor galena as stringers. coarse grained red brown sphalerite and coarse grained galena interstitial to fragmental volcanics.	150		
152.40	162.50	ANDESITE pale pink, massive. Massive silicified volcanic, feldspar and hornblende phyrlic, with abundant leucoxene. Lithogeochemical and petrological samples taken.. CONTACT: faulted	highly silicified. massive pink fine grained siliceous alteration.				
			moderately chloritised, moderately silicified. patchy dark green chlorite alteration overprinting? massive fine grained pink silicification? moderately silicified, slightly chloritised. massive pink fine grained siliceous alteration.	VEIN very minor sphalerite on fractures very minor galena on fractures			
162.50	169.20	ANDESITE dark green, hyaloclastitic. highly altered fragmental mafic to intermediate volcanic.. CONTACT: gradational	moderately carbonatised. moderately chloritised. dark green chlorite appears to be replacing manganese carbonate alteration.		160		--- FAULT #40 breccia FIRST CLEAVAGE #40

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**PASMINCO EXPLORATION
DIAMOND DRILL HOLE LOG**

Hole No. **ERF6**

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DESCRIPTION				GRAPHIC			STRUCTURES
FROM	TO	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	
162.50	169.20	ANDESITE dark green, hyaloclastitic, highly altered fragmental mafic to intermediate volcanic.. CONTACT: gradational	moderately carbonatised, moderately chlorinised, dark green chlorite appears to be replacing manganese carbonate alteration.		170		
169.20	170.00	ANDESITE pale green, fine grained, massive, vesicles. Start of vesicular andesite fine grained fucsitic peperitic distinct correlatable.					
170.00	172.30	ANDESITE MIXED WITH CHERT, perlitic. Irregular mix of volcanic with distinct perlitic fracture, pumiceous volcanic and cherty altered shale to sandstone.. CONTACT: faulted					
172.30	173.90	ANDESITE pale green, fine grained, massive perlitic, vesicles. Distinct vesicular texture in part, also minor vesicles overprinted by perlitic fracture.. CONTACT: gradational	slightly silicified, slightly carbonatised, minor silicification in fine grained sediments and minor patchy carbonate emanation from fine fractures.				
173.90	174.40	SANDSTONE, coarse grained, upwards fining sequence, polymict. Graded (downhole) from 2 to 5mm poorly sorted angular basal zone to fine grained siltstone.. CONTACT: gradational					
174.40	178.50	ANDESITE, perlitic, pumiceous vesicles. Zone of irregular fragmented vesicular andesite, pumiceous and perlitic component indicates interaction at periphery of flow, classic peperite margin at top 30cms.. CONTACT: gradational					
178.50	179.00	SANDSTONE grey, bedded, polymict. CONTACT: gradational	moderately fuchsitic, slightly silicified, slightly carbonatised, abundant fuchsite in andesite fragments, cherty silicification of fine grained sediments, and manganese carbonate altered volcanic fragments.	CLAST very minor pyrite massive, sparse 2 to 5mm spots of very fine grained massive pyrite in reworked volcanics in part, and associated with saccharoidal calcite in part.	180		
179.00	180.20	BRECCIA grey, upwards fining sequence poorly sorted, polymict. Zone with coarse 2 to 50mm chert and shale clasts grading downhole.. CONTACT: gradational					
180.20	181.40	SANDSTONE MIXED WITH ANDESITE, peperitic. Zone with sparse ragged andesite fragments in irregular sandstone.. CONTACT: faulted					
181.40	182.30	SANDSTONE grey, massive. note coalescing blebby silica grains?. CONTACT: gradational	slightly silicified, siliceous margin to Pinnacles Rhyolite.	VEIN trace sphalerite on fractures, trace coarse grained red sphalerite associated with calcite.			
182.30	185.00	SHALE black, massive. with increasing peperitic andesite component downhole.. CONTACT: pp					
185.00	188.30	ANDESITE MIXED WITH SHALE pale green, peperitic, vesicles. distinct fucsitic vesicular andesite, massive in part and peperitic in part.. CONTACT: conformable abrupt					
188.30	197.00	RHYOLITE pink, massive, quartz phyric feldspar phyric. Typical Pinnacles Rhyolite.					

BEDDING A60 younging downhole

BEDDING A60

BEDDING A65

BEDDING A60

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PASMINCO EXPLORATION

DIAMOND DRILL HOLE LOG


Hole No.

EA66

PROJECT:

Vertical Scale 1 : 150

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DESCRIPTION				GRAPHIC			STRUCTURES
FROM	TO	LITHOLOGY	ALTERATION	MINERALISATION	Depth	Lith	
188.30	197.00	RHYOLITE pink, massive, quartz phyric feldspar phyric. Typical Pinnacles Rhyolite.	slightly silicified. siliceous margin to Pinnacles Rhyolite.		190		
					200		

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