242031

Project : OCEANA
Logged by: M. SAXON
Date : 17/10/95

PASMINCO EXPLORATION DIAMOND DRILL LOG

HOLE No. OP6

m	VEINING and ALTERATION (1 = weak, 4 = intense)	STRUCTURE b = bedding c = cleavage f = fault Angles to LCA	GRAPHIC LOG (0.06 mud, 0.5, 2, 8, 32 max mm)	LITHOLOGY	MINERALISATION
0				0-5.8 GLACIAL FLOAT Quartzose gravel.	
				5.8 - 18.2 PUG Black calcareous pug with minor limestone rubble and fragments. Decomposed limestone.	
10					
				18.2 - 24.8 FOSSIL DOLOSTONE Slightly fossiliferous dolostone, with numerous pug zones.	
20					
				24.8 - 28.1 PUG Black calcareous pug, indistinct weathered lst.	
				28.1 - 31.6 GRAINSTONE/MICRITE F-g grainstone grading to micrite. Mar bioturbation; strong stylolitization; abundant matrix; dolomite overprint predates stylolites.	
30				31.6 - 34.8 CAVITY	
				34.8 - 41.7 PUG Rubble and dark grey, core loss. Minor grainstone.	
40					
				41.7 - 42.1 GRAINSTONE Blotchy dolomite altered fine grained grainstone. Weathered.	41.8 - 42.0 Calcite and pyrite veinlet.
				42.1 - 45.3 PUG Minor Fe-staining.	
	45.3 - 47.7 Breccia zone. Coarse crystalline dolomite veining, minor late siderite-calcite veining.			45.3 - 47.7 BRECCIA ZONE Angular fragments of lst in coarse crystalline dolomite; abundant shelly debris in matrix; minor late siderite-calcite veining.	
50					

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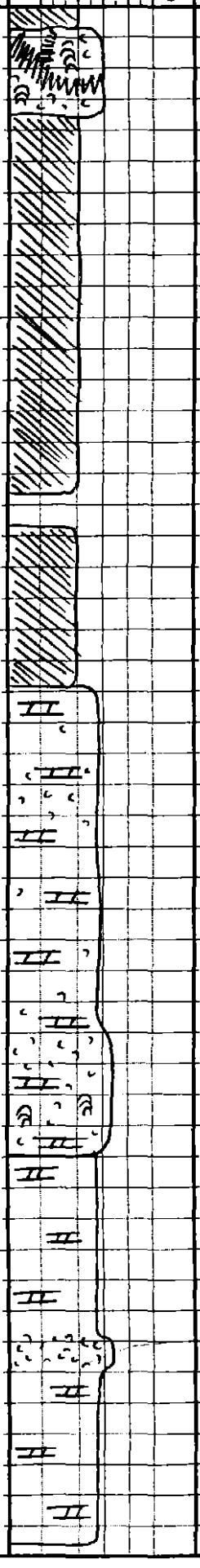
50				47.7 - 50.8 PUG 50.8 - 53.4 GRAINSTONE Patchy dolomite altered grainstone. Occasional corals. 53.4 - 65.6 PUG Short lengths of grey carbonate, dark grey to black pug. 65.6 - 66.7 CAVITY 66.7 - 71.9 PUG 71.9 - 87.0 DOLOSTONE Pale steel grey dolostone, minor lamination, coarsely crystalline dolomite. Rare fossil ghosts, increasing downhole. Dolomite filled vugs/ pores. Minor stromatactus texture. Grainstone visible in part, with coral clasts. Rubble + pug at base. 87.0 - 99.5 DOLOSTONE As above, fossil poor, massive. No stromatactus form. Shelly lag from 92.9m.	50.3 coarse pyrite nodules 72.4 trace crystalline sphal. on fractures. 75.3 trace cpy-sph-galena in irregular dolomite vein. 76.4 trace sph-cpy-chalcocite on fractures.
60					
70					
80					
90					
100					

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100				99.5 - 108.0 RUBBLE + PUG Mid - pale grey shattered dolostone. Weathered, vuggy at base.	103.8 gal - sph in dolomite vein. 105.0 tr sph. in dolomite vein
110	108.5 - 111.4 Breccia zone with grey dolomite vein fill, rebx and veined by dol - qtz - sphal.			108.0 - 108.5 PUG 108.5 - 111.4 BRECCIA ZONE Fractured / angular dst in grey dolomite matrix. 2nd bx with calc - qtz veining. Coarse sphal in late veins. 111.4 - 111.9 PUG 111.9 - 115.3 WACKESTONE Fine shelly wackestone, occasional coarse fragments, in limestone matrix. Minor patchy dolomite alteration. Occasional ooids. 115.3 - 116.8 PUG	108.9 - 111.4 sph in veins and dissem & as coarse xls. Assoc. with bx.
120				116.8 - 121.6 GRAINSTONE Packed shelly grainstone with irregular overprint of patchy dolomite alteration. Grades downhole to wackestone. Includes calcite sealed breccia 121.0 - 121.2. 121.6 - 126.2 PUG Cream pug supporting grey shelly limestone rubble.	120.1 tr sph. at margin of calcite vein.
130	127.2 - 128.9 Breccia zone, hosted by vein calcite and minor siderite.			126.2 - 127.2 MICRITE Micrite lst with minor dolomite. Fractured and calcite veined. 127.2 - 128.9 BRECCIA ZONE Angular limestone fragments hosted by vein calcite. Minor siderite, limonite staining. 128.9 - 141.9 MICRITE Cavernous micrite, minor mudstone, matrix overprinted by pale orn alt'n. Wackestone increases downhole. Dolomite overprint. Common pug zones.	
140				141.9 - 154.4 RUBBLE Cavernous weathered rubble.	
150					

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150				154.4 - 158.2 WACKESTONE Rubbly puggy zone with wackestone fragments. Cmn crm-brn pug. Calcite-dolomite breccia at 156.8-157.1. Limonitic pug.	
				158.2 - 160.2 PUG + LIMESTONE Limonite stained, rubbly	
				160.2 - 160.4 CORAL HEAD.	
160				160.4 - 170.3 DOLOMICRITE Msv grg dolomicrite, textureless, fossil poor, minor calcite veining.	
170				170.3 - 172.4 GRAINSTONE Irregularly bedded, dk to light grey grainstone and wackestone, shell rich, recrystallised calcite.	
				172.4 - 172.8 PUG Grey-crm pug.	
				172.8 - 174.9 CAVITY Minor dk grg carbonate	
180				174.9 - 175.4 GRAINSTONE Minor gastropod rich grainstone	
				175.4 - 202.4 RUBBLE + PUG Weathered dk grey pug, minor crm pug, abundant rubble. Probable minor qtz sandstone.	
190					
200				202.4 - EOH	