

CANADIAN OCCIDENTAL PETROLEUM LTD.

MINERALS DIVISION
DIAMOND DRILL RECORD

LOCATION L56E - 55 + 80N DIRECTION 215° DIP -45°S HOLE No. P-2
 LOGGED BY P.N. Mehrotra CASING BW28', AW 41' SHEET No. 1 of 2
 STARTED July 30, 1972 CORE SIZE AQ CORRECTED TESTS 0°-45°
 FINISHED August 6, 1972 496'-34°
 PROPERTY Pelly-Dary - Prat Claims

FROM	TO	Core L	DESCRIPTION
0	13		Sand, Overburden
13	37		Fragments of light grey granodiorite, quartz and argillite
37	63	45'-45° 50'-45° 55'-42° 60'-55° 70'-46° 75'-52° 84'-50° 86'-13° 90'-41° 95'-42° 105'-40° 109'-40° 115'-40° 122'-40°	ARGILLITE: greenish grey, slightly schistose with schistosity along bedding direction, contains Occasional carbonate filled stringers and minor disseminated pyrite, thin seams of pyrite erratically distributed, maximum pyrite content 3%. 49.5 - 51: light grey tuff 52.5 - 53: 5% graphite 53 - 54: chlorite banding 58.5 - 59: 5% graphite 61 - 63: chlorite banding
* 63	86	130'-25° 135'-35° 141'-22° 146'-35° 152'-40°	GRAPHITIC SHALE: dark grey, slightly schistose, with lenses of altered feldspar, occasional quartz stringers, very minor disseminated pyrite (1-2%)
* 86	261	162'-40° 170'-55° 180'-35° 188'-45° 194'-50° 199'-50° 212'-15° 220'-5° 230'-10° 243'-10° 252'-10° 260'-25° 270'-32° 280'-20° 285'-12° 290'-25° 295'-40° 301'-25°	ARGILLITE: same as above with some Mn staining, core badly broken between 140-141, 150-151, 156-157, 177-178, 190-191, 200-209, 222-223, 234-240. 86-102): prominent feldspar banding along 119-125) bedding, feldspars altered to clay, occasional chlorite banding. 151-152.5: feldspathization and carbonate filled veins 188-188.1: Quartz vein 189-190: Feldspathization and silicification 201-203: Sand seam 208-209: 5% graphite 252-257: light grey tuffaceous banding with 20% disseminated pyrite
261	294	307'-22° 310'-15° 320'-15° 327'-15°	GRAPHITIC SHALE: same as above, with seams of pyrite, weak to moderate amount disseminated, total pyrite content 10-15%

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 LOGGED BY P.N.Mehrotra CASING BW28', AW 41' SHEET No. 2 of 2
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496'-34°
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 PROPERTY Pelly-Dary - Prat Claims

FROM	TO	Core L	DESCRIPTION																		
*294	413	334'-10' 340'-15' 351'-23' 360'-35' 372'-45' 382'-60' 390'-40' 400'-55' 410'-60' 420'-66' 430'-45' 442'-55' 450'-55' 460'-50'	ARGILLITE: same as above, pyrite content 10%, occasional quartz stringers. Core badly broken between 363-366, 375-379, 391-394 301.8-302: 5% graphite 304 -325: 10-20% graphite 328 -329: 5% graphite 337 -338: 5% graphite 360-361 : 10% graphite 369 -371: Sand seam 366 -377: light grey tuff with pyrite 386 -389: 10% graphite 394 -395: Sand seam																		
*413	496	465'-48' 475'-48' 485'-45' 490'-45'	TUFF: light grey, siliceous, with disseminated and occasional seams of pyrite, maximum amount of pyrite 20% 414 -415: argillite 420 -422: bands of argillite																		
	496		END OF HOLE * <u>Thin Section Description</u> <table><tr><th>Footage</th><th>Thin Section #</th><th>Rock Name</th></tr><tr><td>68</td><td>OMC 50</td><td>veined & brecciated muscovite schist</td></tr><tr><td>88</td><td>OMC 51</td><td>brecciated muscovite schist</td></tr><tr><td>214</td><td>OMC 52</td><td>slightly metamorphosed siltstone (?)</td></tr><tr><td>344</td><td>OMC 53</td><td>" "</td></tr><tr><td>475</td><td>OMC 54</td><td>tremolite-clinozoisite hornfels</td></tr></table> <p>Brecciated schists are penetrated by quartz-albite veins, while siltstones have rather irregular textures and are essentially quartzo-feldspathic, and appear to be slightly metamorphosed. Carbonate and pyrite filled veins (small amount disseminated) are present in all the rocks. Anhedral masses of pyrrhotite are scattered throughout hornfels.</p>	Footage	Thin Section #	Rock Name	68	OMC 50	veined & brecciated muscovite schist	88	OMC 51	brecciated muscovite schist	214	OMC 52	slightly metamorphosed siltstone (?)	344	OMC 53	" "	475	OMC 54	tremolite-clinozoisite hornfels
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