

## CANADIAN OCCIDENTAL PETROLEUM LTD.

MINERALS DIVISION

## DIAMOND DRILL RECORD

LOCATION L56E DIRECTION 213° DIP -45°S HOLE No. P-3  
 LOGGED BY P.N.Mehrotra CASING AW 186' SHEET No. 1 of 2  
 STARTED Aug. 8, 1972 CORE SIZE AQ CORRECTED TESTS 0'-45°  
500'-39°  
 FINISHED Aug. 18, 1972  
 PROPERTY Pelly-Dary - Prat Claims

FROM	TO	Core L	DESCRIPTION
0	24	25'-15°	Sand, overburden
*24	217	32'-15°	
		36'-22°	ARGILLITE: Greenish grey, slightly schistose with
		38'-10°	schistosity along bedding direction, contains
		45'-14°	occasional carbonate filled stringers and minor
		65'-34°	Disseminated pyrite, thin seams of pyrite
		73'-30°	erratically distributed, pyrite content 3-5%. Core
		80'-25°	badly broken between :47-64, 67-80, 86-97, 100-102,
		95'-30°	108-132, 136-140, 144-148, 150-158, 163-172, 174-182,
		104'-35°	195-197
		113'-35°	24.5-24.7: hematite band
		133'-25°	26 -30 : chloritization
		139'-15°	31.5-37 : 5% graphite
		144'-18°	40 -42 : chloritization
		150'-20°	43 -43.5)
		160'-25°	48 -48.5)
		168'-15°	67 -72 ) "
		174'-10°	104 -105 )
		180'-35°	166 -168 )
		190'-50°	172 -174 )
		200'-30°	182 -188 )
		210'-35°	193 -196: 5% graphite
		215'-45°	203-207 : Volcanic breccia
		230'-45°	
		244'-30°	
		250'-25°	
217	244	260'-31°	GRAPHITIC SHALE: dark grey, with occasional carbo-
		266'-40°	nate and chlorite bands, slightly schistose,
		273'-40°	feldspars altered to clay, about 5% disseminated
		280'-20°	pyrite. Core badly broken between 218-229, 231-242.
		288'-45°	
* 244	283	298'-10°	VOLCANIC BRECCIA: greenish grey, with occasional
		305'-40°	carbonate stringers, angular grains of chlorite
		310'-30°	abundant, ground mass filled with about 10-15%
		320'-25°	disseminated pyrite.
		330'-10°	" 266-269: Graphitic shale
* 293	305	340'-30°	GRAPHITIC SHALE: Same as above except no feldspars
		345'-52°	Alteration, core badly broken between 290-292,
		352'-25°	296-297
		356'-42°	287-288.5: Argillite
		360'-35°	294-296: Quartz vein
		366'-30°	
		374'-15°	
		384'-20°	

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LOCATION L56E DIRECTION 213° DIP -45°S HOLE No. P-3  
 LOGGED BY P.N.Mehrotra CASING AW 186' SHEET No. 2 of 2  
 STARTED Aug. 8, 1972 CORE SIZE AQ CORRECTED TESTS 0'-45°  
500'-39°  
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PROPERTY Pelly-Dary - Prat Claims

FROM	TO	Core L	DESCRIPTION																								
*305	359	391'-20° 398'-45° 415'-20° 424'-33° 431'-25° 433'-30° 441'-30° 450'-28°	ARGILLITE: Same as above, with pyrite content 15% 317-318: Chloritization 330-332: " 339-340: Volcanic breccia 345-351: Graphitic shale with carbonate veins 20% pyrite 355-355.5: " " "																								
*359	500	460'-15° 470'-40° 483'-40° 490'-20° 497'-8	GRAPHITIC SHALE: Same as above, pyrite content 20%, core badly broken between 376-380, 400-401, 403-413, 444-450, 463-471. 366-371: Argillite, pyrite 15% 385-403: Argillite " " 429-439: Argillite with graphite 472-437: Argillite 492-496: "																								
	500		END OF HOLE																								
			* <u>Thin Section Description</u>																								
			<table><tr><th>Footage</th><th>Thin Section #</th><th>Rock Name</th></tr><tr><td>188</td><td>OMC 55</td><td>tremolite schist</td></tr><tr><td>247</td><td>OMC 56</td><td>porphyroblastic tremolite schist</td></tr><tr><td>301</td><td>OMC 57</td><td>muscovite-chlorite schist</td></tr><tr><td>315</td><td>OMC 58</td><td>biotite schist</td></tr><tr><td>433</td><td>OMC 59</td><td>graphite schist</td></tr><tr><td>454</td><td>OMC 60</td><td>" "</td></tr><tr><td>455</td><td>OMC 61</td><td>" "</td></tr></table>	Footage	Thin Section #	Rock Name	188	OMC 55	tremolite schist	247	OMC 56	porphyroblastic tremolite schist	301	OMC 57	muscovite-chlorite schist	315	OMC 58	biotite schist	433	OMC 59	graphite schist	454	OMC 60	" "	455	OMC 61	" "
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			Specimens 55 and 56 are rich in amphibole and characterized by varying proportions of tremolite, quartz, plagioclase and clinozoisite. Specimens 57-61 contain graphite in varying proportions, accompanied by varying amounts of biotite, chlorite, muscovite and clinozoisite. All the above rocks contain veins of carbonate and pyrite, with small amount disseminated.																								