

CANADIAN OCCIDENTAL PETROLEUM LTD.

MINERALS DIVISION

DIAMOND DRILL RECORD

LOCATION L 56E-50N DIRECTION 215° DIP 43°S HOLE No. P-1
 LOGGED BY P.N.Mehrotra CASING BW to 16', AW to 204' SHEET No. 1 of 2
 STARTED July 13, 1972 CORE SIZE AQ CORRECTED TESTS 0'-43°
 FINISHED July 25, 1972 486'-37°
 PROPERTY Pelly-Dary - Prat Claims

FROM	TO	Core L	DESCRIPTION
0	22		Overburden
22	22.5	26'-40'	Fragments of light grey, medium grained granodiorite
22.5	215	34'-40'	ARGILLITE: greenish grey, slightly schistose, with
		38'-40'	schistosity along bedding direction, contains
		44'-45'	occasional carbonate filled (1/8" wide) stringers and
		49'-50'	very minor disseminated pyrite and thin seams of
		70'-55'	pyrite erratically distributed - max amount 3%.
		82'-48'	Core badly broken between 124-126', 129-134, 161-163,
		89'-42'	167-168, 171-176, 188-189, 202-205 .
		106'-9'	50-57: sand seam
		115'-20'	97-97.2': Tuff, light grey
		124'-30'	98-98.5: Sand seam
		135'-38'	102-102.2': Graphitic shale, 5% graphite
		138'-25'	130-133: Sand seam
		143'-35'	135-135.1: Tuff, light grey
		150'-30'	143-143.1': Tuff, light grey
		153'-30'	146-148.5': Tuff, greenish grey with 6% pyrite,
		164'-30'	mainly seams, weak amount disseminated
		170'-40'	152-153': Tuff, greenish grey
		178'-38'	154.6-155: Tuff, greenish grey
		190'-40'	166.6-166.8: Tuff, as above
		198'-35'	173-173.5: Sand seam
		206'-40'	176-177: Tuff, greenish grey
		212'-45'	178-178.2: Tuff, light grey
			180-180.1: Quartz vein
			196-196.2: Tuff, light grey
			202-205: Sand and clay
		220'-50'	
		228'-50'	
*215	308	234'-50'	TUFF: light grey, siliceous foliation along bedding
		236'-40'	direction, occasional carbonate filled stringers,
		244'-38'	thin seams of pyrite, moderate to intense amount of
		248'-38'	pyrite disseminated, maximum pyrite content 8-10%.
		253'-18'	222-223: Argillite
		258'-45'	250-256: Tuff, with moderate amount of chlorite
		261'-45'	along fractures
		268'-58'	267-270: Volcanic breccia
		278'-58'	273-275: Tuff with pyrite, siliceous
		284'-52'	275-278: Argillite
		287'-54'	287-289: Chlorite, along fracture
		293'-48'	298-302: Argillite
		301'-44'	304-307: Chloritization along fracture
		306'-38'	
		308'-38'	

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FROM	TO	Core L	DESCRIPTION
308	327	315'-40° 320'-38° 326'-50° 330'-50° 337'-45° 343'-45° 350'-45° 356'-45° 361'-60°	<u>ARGILLITE</u> : Same as above, Py content 15% 317.7-319.2: Tuff, light grey 321-322.5: Silicification 322.5-324: numerous carbonate stringers 324-326: graphitic shale, 20% graphite, 4% pyrite 326-327: numerous carbonate stringers
327	379	370'-30° 375'-45° 380'-50° 382'-45° 390'-45° 395'-45° 400'-45°	<u>GRAPHITIC SHALE</u> : 15% graphite, 5% pyrite 334-358: abundant pyrite seams and intense amount disseminated, total pyrite content 20%, 5-10% graphite 360-362, 365-366, 368-368.6, 371.5-371.8: Silicified shale with pyrite
*379	498.5	405'-45° 410'-35° 415'-46° 420'-46° 427'-46° 432'-45° 442'-45° 450'-40° 460'-40° 470'-55° 478'-48° 484'-52° 490'-70° 496'-40°	<u>ARGILLITE</u> : Same as above, pyrite content 10-15%, chlorite on fractures, after 406 pyrite content decreases to 5%, occasionally reaching up to 10%. 385.5-389: Tuff, light grey 391-391.2: Graphitic shale, 5% graphite and pyrite 398.5-399.5: Tuff, light grey 405-406: Siliceous argillite 408-408.6: Quartz vein 417.5-417.7 and 428-428.6) 434-435, 438.5-440, 470-474) Tuff 478-480) 466-469: Sand seam, no recovery 492.4-492.6: Graphitic shale with 5% graphite
	498.5		END OF HOLE
			* <u>Thin Section Description</u>
			<u>Footage</u> <u>Thin Section #</u> <u>Rock Name</u>
			236 OMC 47 Clinozoisite-hornblendeschist
			380 OMC 48 Muscovite-tremolite schist
			494 OMC 49 Amphibolite
			The above rocks are rich in amphibole, characterized by varying proportions of tremolite, quartz, plagioclase, clinozoisite, carbonate and pyrite filled veinlets.