

# DRILLING PROGRESS REPORT SORELL PENINSULA NODDY CK. Branch

Bore DHNC8 2000N  
 Location 20N 452E OFFSET 0  
 Bearing 108 $\frac{1}{2}$ ° TRUE  
 Depression 43°  
 R. L. Collar 764.9'  
 Est. Total Depth 510'  
 Footage for Period \_\_\_\_\_

Report No. 823194  
 Period MAY 1971  
 Operator A.D.D. F.30  
 Unit MINDRILL F.30  
 Bit NQW/L STEP FACED  
 Barrel NQW/L

194  
  
 Box  
 0  
  
 1)  
 44.5  
 (2)  
 69.0  
 (3)  
 75.0  
 (4)  
 6  
 (5)  
 144  
 6)  
 172.5  
 (7)

From	To	Int.	Core Rec'd.	%	Core in Dip	Feet	Description
0	10.0	10	2.1	21		0	<u>Overburden</u> $\bar{c}$ cross fibre bearing fragments from costean less than or equal to 2/16". <hr/> <u>Massive slightly sheared pale green serpentinite</u> , granular, mottled $\bar{c}$ disseminated stichtite and slip fibre/magnetite veins. Localised minor thread vein ribbon fibre. Total fibre content $\frac{1}{2}\%$ estimated although locally richer. Much of the slip fibre is tough and flexible. Massive portions of the core show possible pseudomorphs often olivine, less than or equal to 1 cm. diameter. Sheared portions are richer in magnetite. <hr/> <u>Sheared serpentinite</u> $\bar{c}$ minor slip fibre, magnetite and stichtite. <hr/> <u>Serpentinite slightly sheared</u> $\bar{c}$ cross fibre, slip fibre and magnetite.
	16.0	6	1.9	32		10	
	21.5	5.5	2.5	46		10	
	25.5	4	3.5	88		10	
	32.5	7	2.1	30		10	
	38.5	6	3.9	65		10	
	43.0	4.5	4.2	93		10	
	46.0	3	3.0	100		10	
	48.5	2.5	2.5	100		10	
	56.0	7.5	6.8	91		10	
	65.5	9.5	9.5	100	71/11	10	
	75.8	10.3	10.3	100	94	10	
	85.8	10.0	10.0	100		10	
	96.0	10.2	10.2	100		10	
	106.0	10.0	9.5	95		10	
	116.0	10.0	9.7	97		129	
	125.0	9.0	9.0	100		129	
	134.3	9.3	9.3	100		147.5	
	143.5	9.2	3.9	43.3	71/	147.5	
	147.5	4.0	3.2	80.0	DL1	147.5	
	154.5	7.0	3.6	51.5	95	209.5	
	158.0	3.5	2.3	65.8		209.5	
	161.5	3.5	2.3	65.8		209.5	
	165.0	3.5	1.9	54.3		209.5	
	168.0	3	2.9	96.7		209.5	
	172.5	4.5	3.4	75.6		209.5	
	176.0	3.5	1.5	42.9		209.5	
	184.0	8.0	3.5	43.7		209.5	
	187.0	3.0	3.0	100		209.5	
	191.0	4.0	2.4	55		209.5	
	191.0	191.0	143.9	75%		209.5	

Remarks:

Date 15/5/71

Logged by JOHN G. LANGLANDS

# DRILLING PROGRESS REPORT SORELL PENINSULA NODDY CK. Branch

 Bore DHNC8

 Report No. 823195
823195

From	To	Int.	Core Rec'd.	%	Dip in Core	Feet	Description
191.0	196.0	5.0	2.8	56		209.5	<u>Pyroxenite and serpentinite</u> dark hard massive $\bar{c}$ occasional minor shears. 280 - 291 minor short cross fibre. 291 - 292.8 veins of dark green serpentinite, U.B. is paler, one $\frac{1}{2}$ inch pyrite (-ve D.M.G.) vein.
	202.0	6.0	2.7	46.6			
	205.5	3.5	3.5	100			
	215.0	9.5	8.8	92.6			
	225.5	9.5	4.5	100			
	233.0	8.5	3.7	43.5			
	235.0	2.0	2.5	100		423	
	238.0	3.0	1.9	63.4			
	240.5	2.5	1.8	90			
	244.0	3.5	2.1	60			
	245.0	1.0	0.8	80			
	250.0	5.0	4.9	98			
	253.0	3.0	3.0	100			
	257.5	4.5	2.2	48.9			
	265.5	8.0	2.3	28.8			
	269.5	4.0	2.2	55			
	273.0	3.5	1.3	37.1			
	276.0	3.0	1.3	43.3			
	279.5	3.5	0.7	20			
	286.0	6.5	1.9	29.2			
	291.5	5.5	1.7	31.9			
	293.0	1.5	0.8	53.3			
	296.0	3.0	0.9	29.9			
	297.5	1.5	0.8	53.3			
	301.5	4.0	1.2	29.9			
	303.0	1.5	0.9	60			
	305.8	2.8	2.8	100			
	310.0	4.2	4.2	100			
	313.5	3.5	2.8	80			
	317.5	4.0	4.0	100			
	320.0	2.5	2.5	100			
	323.5	3.5	3.1	88.6			
	326.0	2.3	2.3	88.1			
	329.0	3.0	3.0	100			
	332.3	3.3	2.8	85			
	335.5	3.2	3.0	93.9			
	144.5	144.5	91.7	63.5%			

Remarks:

 Date 15/5/71

 Logged by JOHN G. LANGLANDS

**DRILLING PROGRESS REPORT** Southern Petroleum Agency Ltd. Branch

Bore DHNC8

Report No. 823196

From	To	Int.	Core Rec'd.	%	Dip In Core	Description
335.5	342.0	7.5	4.6	65.7		
	343.5	1.5	1.5	100		
	347.0	3.5	3.0	85.8		
	350.0	3.0	3.0	100		
	354.0	4.0	4.0	100		
	355.5	1.5	1.3	86.6		
	357.5	2.0	2.0	100		
	360.0	2.5	2.1	84		
	364.5	4.5	4.5	100		
	373.5	9.0	9.0	100		
	380.0	6.5	6.5	100		
	382.0	2.0	2.0	100		
	386.0	4.0	4.0	100		
	396.0	10.0	10.0	100		
	398.0	2.0	2.0	100		
	400.5	2.5	2.5	100		
	405.0	4.5	4.5	100		
	408.0	3.0	2.8	76.7		
	410.0	2.0	1.7	85		
	417.0	7.0	6.5	93		
	423.0	6.0	3.9	63.4		423 <u>Sheared serpentine, chlorite rock</u>
	428.0	5.0	5.0	100		424.3 <u>̄ very thin CO<sub>3</sub> veins</u>
	431.0	3.0	3.0	100		424.3 <u>Serpentinite, fine grained, black,</u> breaks along irregular shear
	436.5	5.5	5.1	92.9		431.3 <u>network, CO<sub>3</sub> veins towards end.</u>
	438.0	1.5	1.5	100		431.3 <u>Chlorite, CO<sub>3</sub> serpentine ? rock</u> ̄ alteration product of a dissemi-
	451.0	6.0	6.0	100		inated spinel phase, probably
	453.8	2.8	2.8	100		leucoxene. Numerous irregular
	462.5	8.7	8.7	100		veins and pods of white crystalline
	470.0	7.5	5.6	74.7		CO <sub>3</sub> . May be a hydrothermally
	478.0	8.0	5.1	63.7	71/LL	510.0 <u>altered ultrabasic or gabbro.</u>
	478.8	0.8	0.8	100	96	
	488.0	9.2	9.2	100		Depth of hole 510 feet
	494.3	6.3	6.3	100		Core recovered 409.2
	504.5	10.2	10.2	100		Overall % recovery 80.2%
	508.0	3.5	3.5	100		<u>DIP TESTS</u>
	510.0	2.0	2.0	100		0' 43°

Remarks: 174.5 174.5 162.7 93%

200' 42°  
400' 43°  
500' 43°

Hole stopped at 510' due to suspected proximity of eastern boundary fault and lack of fibre prospects in end rock-type.

Date 15/5/71

Logged by JOHN G. LANGLANDS