

Project: YORK

Title:

Hole Name : YP003

Date Start: 14-FEB-11 End date : 15-FEB-11

Data Source :

## LOCATION

State : Tasmania  
 County :  
 Parish :  
 Portion :  
 Geological Province : Tasmania Basin  
 Lease : EL49/2007 - York Plains  
 Map Zone : AMG84 - Zone 55H  
 Easting Northing Elevation  
 Drill Hole Location : 540224.52 5321124.11 444.58

## DRILLING

Contractor : Spaulding Drillers  
 Drill Type : Rotary (Chip) Hole  
 Drill Rig : Spaulding Drillers  
 Drilled To Hole Size Core Size  
 150 178mm

## GEOPHYSICAL

Contractor : GDS  
 Probe Depth Probe Type  
 149.85 Gamma  
 Caliper  
 Dual Density

## LITHOLOGICAL

Logger's Initials : Andrew Basson  
 Date logged : 14-FEB-11,15-FEB-11  
 Interval logged : 0 to 150

## SEAM DETAILS

Seam Name	From	To
BHWE	7.30	7.30
W	8.30	12.06
UU2U	34.50	34.89
UU2	35.97	40.72
UL2	43.32	43.78

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 TOP                  BASE                                  LITHOLOGY                                  SAMPLE  
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**Hammer**

0.000 - 1.000	SOIL dark brown fine grained sandy
( 1.000 )	soft extremely weathered
1.000 - 6.000	SANDSTONE medium yellowish brown
( 5.000 )	fine to medium grained lithic
	moderately weak rock extremely
	weathered
6.000 - 6.200	DOLOMITE medium greenish grey
( 0.200 )	moderately strong rock moderately
	weathered
6.200 - 6.800	SANDSTONE medium grey fine grained
( 0.600 )	high ash moderately weak rock
	moderately weathered
6.800 - 7.300	SANDSTONE medium grey fine grained
( 0.500 )	weak rock sharp wavy base

7.300	*** Base Horizon of Weathering
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7.300 - 8.300	SANDSTONE medium grey fine grained
( 1.000 )	weak rock fresh

8.300	*** TOP OF W Seam
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8.300 - 8.560	STONY COAL brownish black fresh
( 0.260 )	
8.560 - 9.250	SANDSTONE medium grey weak rock
( 0.690 )	
9.250 - 9.500	SILTSTONE medium grey moderately
( 0.250 )	weak rock
9.500 - 9.600	SOOTY COAL brownish white weak rock
( 0.100 )	fresh
9.600 - 10.660	COAL UNDIFF black fresh
( 1.060 )	
10.660 - 11.600	STONY COAL brownish black fresh
( 0.940 )	
11.600 - 12.060	COAL UNDIFF black fresh
( 0.460 )	

12.060	*** BASE OF W Seam
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***	GEOLOGICAL THICKNESS:	3.760 Metres	***
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12.060 - 13.000	SILTSTONE medium grey moderately
( 0.940 )	weak rock fresh
13.000 - 14.000	SANDSTONE medium grey fine grained
( 1.000 )	moderately weak rock fresh

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 TOP                  BASE                                  LITHOLOGY                                  SAMPLE  
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14.000 - 17.000	SANDSTONE medium grey medium grained
( 3.000 )	lithic moderately weak rock fresh
17.000 - 18.000	SANDSTONE medium grey medium and
( 1.000 )	coarse grained lithic moderately
	weak rock fresh
18.000 - 20.000	SANDSTONE medium grey coarse grained
( 2.000 )	lithic moderately weak rock fresh
20.000 - 27.000	SANDSTONE medium grey medium grained
( 7.000 )	lithic moderately weak rock fresh
27.000 - 30.800	SANDSTONE medium grey medium and
( 3.800 )	coarse grained lithic moderately
	weak rock fresh
30.800 - 31.100	SILTSTONE medium grey moderately
( 0.300 )	strong rock fresh
31.100 - 34.500	SANDSTONE medium brownish grey
( 3.400 )	medium grained lithic moderately
	strong rock fresh minor carbonaceous
	wisps near middle of the unit

34.500	*** TOP OF
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34.500 - 34.890	STONY COAL brownish black fresh
( 0.390 )	

34.890	*** BASE OF
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***	GEOLOGICAL THICKNESS:	.390 Metres	***
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34.890 - 35.970	CARBONACEOUS SILTSTONE brownish grey
( 1.080 )	fine grained carbonaceous wisps
	throughout moderately weak rock
	fresh

35.970	*** TOP OF
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35.970 - 36.500	COAL UNDIFF black fresh
( 0.530 )	
36.500 - 36.659	SOOTY COAL whitish brown weak rock
( 0.159 )	fresh
36.659 - 37.330	COAL UNDIFF black fresh
( 0.671 )	
37.330 - 37.420	CARBONACEOUS SILTSTONE brownish
( 0.090 )	black moderately weak rock fresh
37.420 - 37.650	COAL UNDIFF black fresh
( 0.230 )	
37.650 - 37.760	CARBONACEOUS SILTSTONE brownish
( 0.110 )	black fresh
37.760 - 38.250	STONY COAL brownish fresh

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 TOP                  BASE                                  LITHOLOGY                                  SAMPLE  
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( 0.490 )	
38.250 - 38.370	CARBONACEOUS SILTSTONE brownish
( 0.120 )	black moderately weak rock fresh
38.370 - 38.620	COAL UNDIFF black fresh
( 0.250 )	
38.620 - 38.720	CARBONACEOUS SILTSTONE brownish
( 0.100 )	black moderately weak rock fresh
38.720 - 39.660	COAL UNDIFF black fresh
( 0.940 )	
39.660 - 40.000	SILTSTONE brownish grey moderately
( 0.340 )	strong rock fresh
40.000 - 40.720	COAL UNDIFF black fresh
( 0.720 )	

40.720                  \*\*\* BASE OF

\*\*\* GEOLOGICAL THICKNESS: 4.750 Metres \*\*\*

40.720 - 43.320	SILTSTONE brownish grey moderately
( 2.600 )	strong rock fresh

43.320                  \*\*\* TOP OF

43.320 - 43.780	STONY COAL brownish black moderately
( 0.460 )	strong rock fresh

43.780                  \*\*\* BASE OF

\*\*\* GEOLOGICAL THICKNESS: .460 Metres \*\*\*

43.780 - 45.800	SILTSTONE medium grey moderately
( 2.020 )	strong rock fresh
45.800 - 47.000	SANDSTONE medium grey fine grained
( 1.200 )	lithic moderately strong rock fresh
47.000 - 48.000	SANDSTONE medium grey fine to medium
( 1.000 )	grained lithic moderately strong
	rock fresh
48.000 - 49.000	SANDSTONE medium grey medium grained
( 1.000 )	moderately strong rock fresh
49.000 - 50.000	SANDSTONE medium grey fine grained
( 1.000 )	carbonaceous wisps throughout
	moderately weak rock fresh
50.000 - 52.000	SANDSTONE medium grey medium and
( 2.000 )	coarse grained lithic moderately
	weak rock fresh
52.000 - 55.000	SANDSTONE medium grey medium grained
( 3.000 )	lithic moderately weak rock fresh
55.000 - 66.000	SANDSTONE medium grey medium and

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TOP      BASE      LITHOLOGY      SAMPLE
*****
(  11.000  )      coarse grained lithic moderately
                    weak rock fresh
66.000 - 67.000    SANDSTONE medium grey medium grained
                    lithic moderately weak rock fresh
(   1.000  )
67.000 - 68.300    SANDSTONE medium grey fine to medium
                    grained lithic moderately weak rock
                    fresh
(   1.300  )
68.300 - 68.730    STONY COAL brownish black fresh
(   0.430  )
68.730 - 68.860    CARBONACEOUS SILTSTONE blackish
                    brown moderately weak rock fresh
(   0.130  )
68.860 - 69.550    STONY COAL brownish black fresh
(   0.690  )
69.550 - 70.200    SILTSTONE medium grey moderately
                    weak rock fresh
(   0.650  )
70.200 - 71.200    SANDSTONE medium grey fine grained
                    moderately weak rock fresh
(   1.000  )
71.200 - 71.550    SILTSTONE medium grey moderately
                    weak rock fresh
(   0.350  )
71.550 - 72.350    STONY COAL brownish black fresh
(   0.800  )
72.350 - 74.300    SILTSTONE medium grey minor clayey
                    bands moderately weak rock fresh
(   1.950  )
74.300 - 75.300    SANDSTONE medium grey fine grained
                    moderately weak rock fresh
(   1.000  )
75.300 - 75.800    SANDSTONE medium grey fine to medium
                    grained moderately strong rock fresh
(   0.500  )
75.800 - 79.000    SANDSTONE medium grey medium grained
                    minor siltstone bands moderately
                    strong rock fresh
(   3.200  )
79.000 - 82.000    SANDSTONE medium grey medium and
                    coarse grained lithic moderately
                    strong rock fresh
(   3.000  )
82.000 - 83.000    SANDSTONE medium grey medium grained
                    coaly partings near middle of unit
                    moderately strong rock fresh
(   1.000  )
83.000 - 84.000    SANDSTONE medium grey medium grained
                    moderately strong rock fresh
(   1.000  )
84.000 - 96.000    SANDSTONE light grey medium and
                    coarse grained lithic moderately
                    strong rock fresh rare carbonaceous
                    wisps near top of the unit
96.000 - 98.600    SANDSTONE light grey medium and
                    coarse grained minor siltstone bands
                    moderately strong rock fresh
(   2.600  )

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TOP      BASE      LITHOLOGY      SAMPLE
*****
198.600 - 199.000  CARBONACEOUS SILTSTONE dark brownish
(    0.400    )    black moderately strong rock fresh
199.000 - 105.000  SILTSTONE medium grey sandstone
(    6.000    )    partings near middle of unit
                    moderately strong rock fresh
105.000 - 126.000  SANDSTONE light grey medium and
(   21.000    )    coarse grained minor siltstone
                    partings moderately strong rock
                    fresh
126.000 - 127.000  SANDSTONE medium grey medium grained
(    1.000    )    carbonaceous fragments throughout
                    moderately weak rock fresh
127.000 - 128.000  SANDSTONE medium grey medium grained
(    1.000    )    moderately weak rock fresh
128.000 - 129.000  SANDSTONE medium grey medium grained
(    1.000    )    minor carbonaceous partings
                    moderately weak rock fresh
129.000 - 132.000  SANDSTONE medium grey medium grained
(    3.000    )    moderately weak rock fresh
132.000 - 134.000  SANDSTONE medium grey medium grained
(    2.000    )    moderately strong rock fresh
134.000 - 135.000  SANDSTONE medium grey medium grained
(    1.000    )    siltstone bands near base of unit
                    moderately strong rock fresh
135.000 - 136.000  SILTSTONE medium grey minor
(    1.000    )    sandstone bands moderately strong
                    rock fresh
136.000 - 137.000  SANDSTONE medium grey fine grained
(    1.000    )    minor carbonaceous partings
                    moderately strong rock fresh
137.000 - 138.000  SILTSTONE medium grey rare
(    1.000    )    carbonaceous partings moderately
                    strong rock fresh
138.000 - 140.000  SANDSTONE light grey fine grained
(    2.000    )    sandstone bands throughout
                    moderately weak rock fresh
140.000 - 145.000  SANDSTONE light greenish grey very
(    5.000    )    fine grained coaly fragments near
                    base of unit moderately strong rock
                    fresh
145.000 - 149.400  SANDSTONE light greenish grey fine
(    4.400    )    grained moderately strong rock fresh
149.400 - 149.800  SILTSTONE light greenish grey
(    0.400    )    moderately strong rock fresh
149.800 - 150.000  CARBONACEOUS SILTSTONE dark blackish
(    0.200    )    brown moderately strong rock fresh

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11-JUL-11

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150.000

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TOTAL DEPTH

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