

## Crude Monitor.ca Mini-Assay Program

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**Crude Name:** Bow River (BR North)  
**Sample Location:** Hardisty, AB  
**Assay Month:** April 2006

Whole Crude	
Density (kg/m <sup>3</sup> ):	922.1
API gravity (oAPI):	21.82
Sulphur (wt%):	2.896
Nitrogen (mass ppm):	1784.1

  

Temperature conversion	
Centigrade	Fahrenheit
190	375
343	650
527	980

  

Naphtha (IBP to 190oC)	
Density (kg/m <sup>3</sup> ):	704.5
API gravity (oAPI):	69.18
Sulphur (wt%):	0.076
Nitrogen (mass ppm):	
Mass % recovery:	13.23
Volume % recovery:	17.33

  

Distillate (190 to 343oC)	
Density (kg/m <sup>3</sup> ):	877.9
API gravity (oAPI):	29.53
Sulphur (wt%):	1.208
Nitrogen (mass ppm):	35.4
Mass % recovery:	19.25
Volume % recovery:	20.23

  

Gas Oil (343 to 527oC)	
Density (kg/m <sup>3</sup> ):	948.6
API gravity (oAPI):	17.54
Sulphur (wt%):	2.556
Nitrogen (mass ppm):	1062.3
Mass % recovery:	26.32
Volume % recovery:	25.60

  

Residuum (527oC+)	
Density (kg/m <sup>3</sup> ):	1031.8
API gravity (oAPI):	5.52
Sulphur (wt%):	4.584
Nitrogen (mass ppm):	4130.8
Viscosity (cSt at 100oC):	10,223
Mass % recovery:	41.20
Volume % recovery:	36.84

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