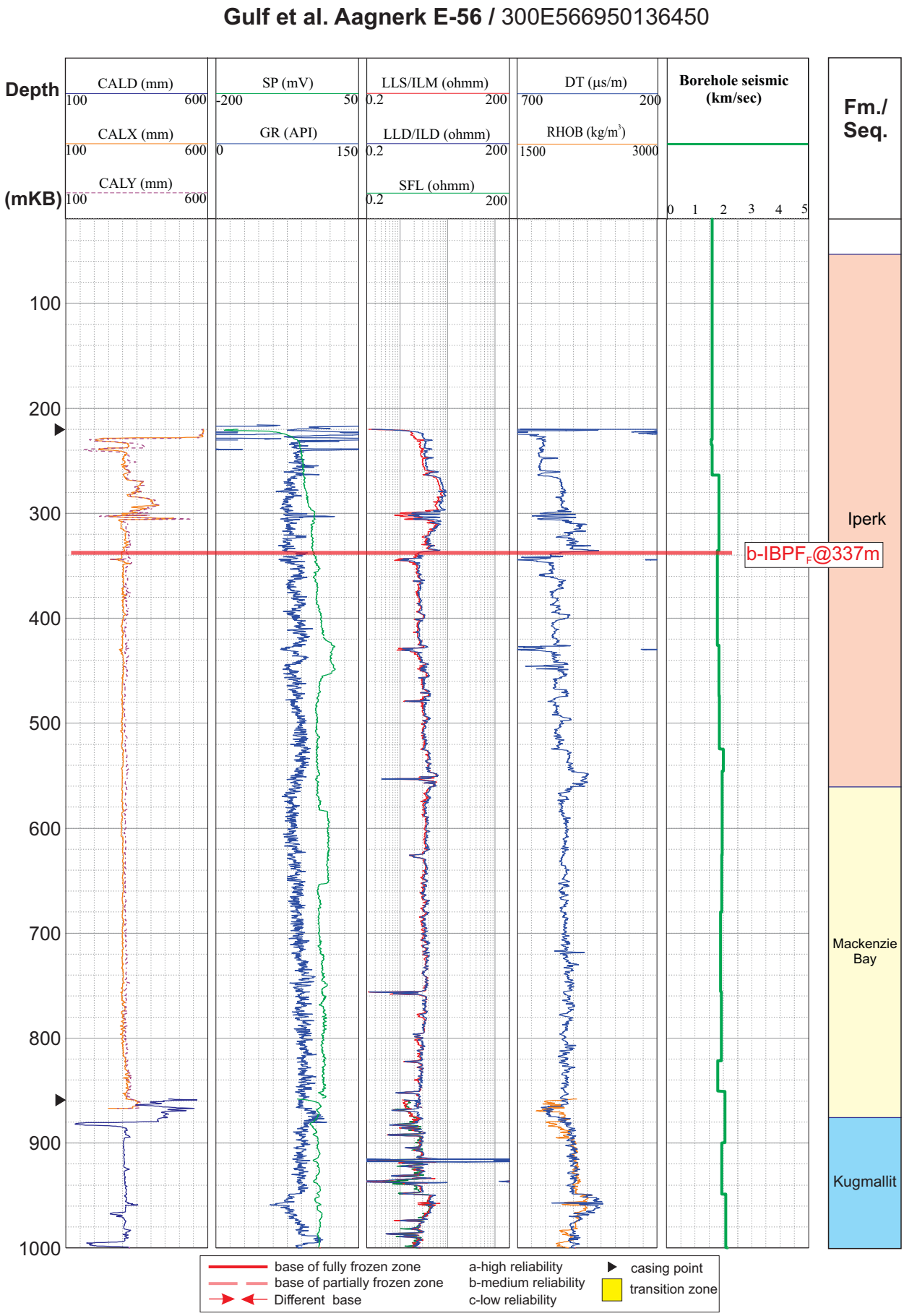

Figure 12. Determination of base of permafrost using geophysical logs and well seismic survey for the Aagnerk E-56 well in the Beaufort-Mackenzie Basin.

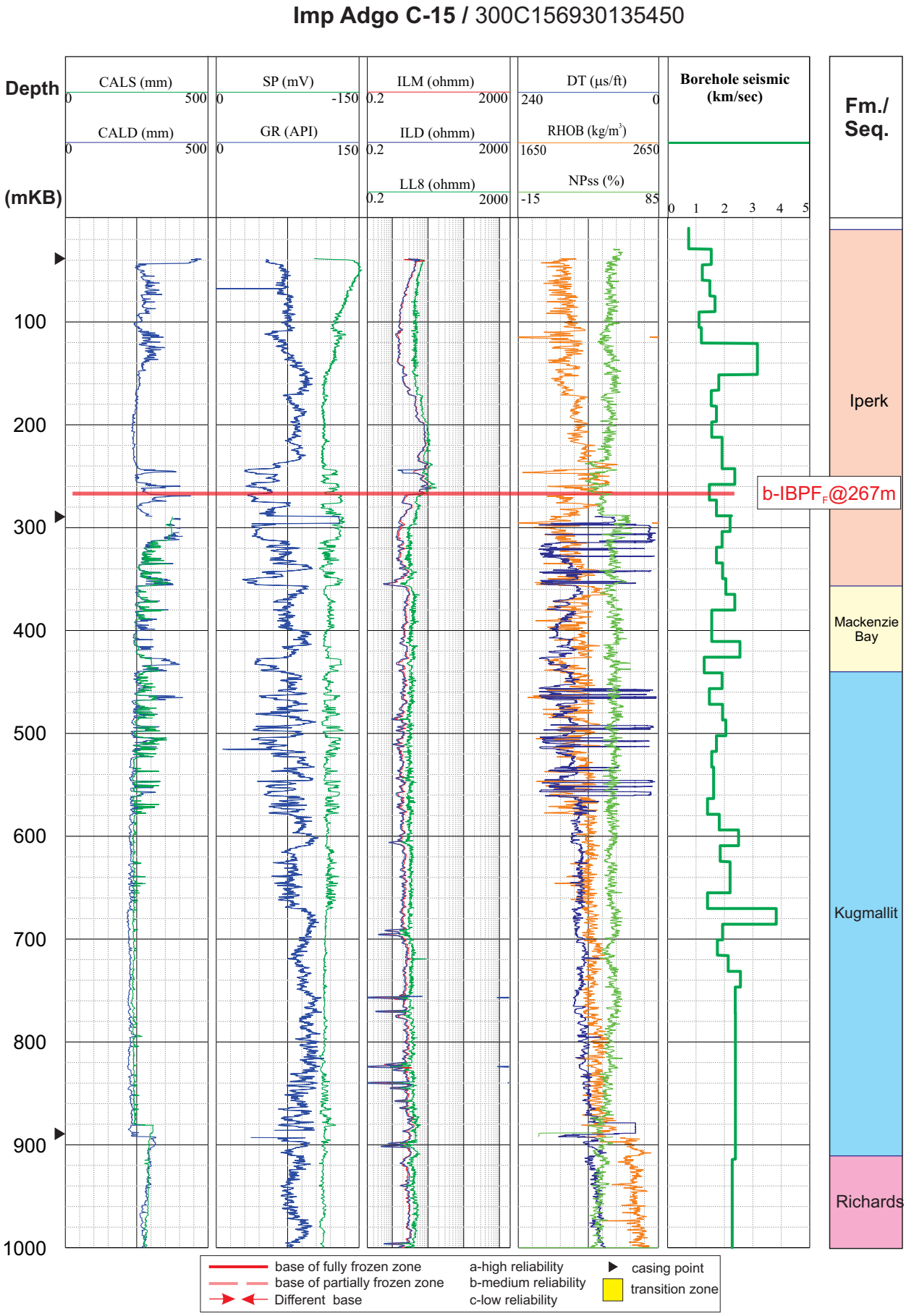

Figure 13. Determination of base of permafrost using geophysical logs and well seismic survey for the Adgo C-15 well in the Beaufort-Mackenzie Basin.

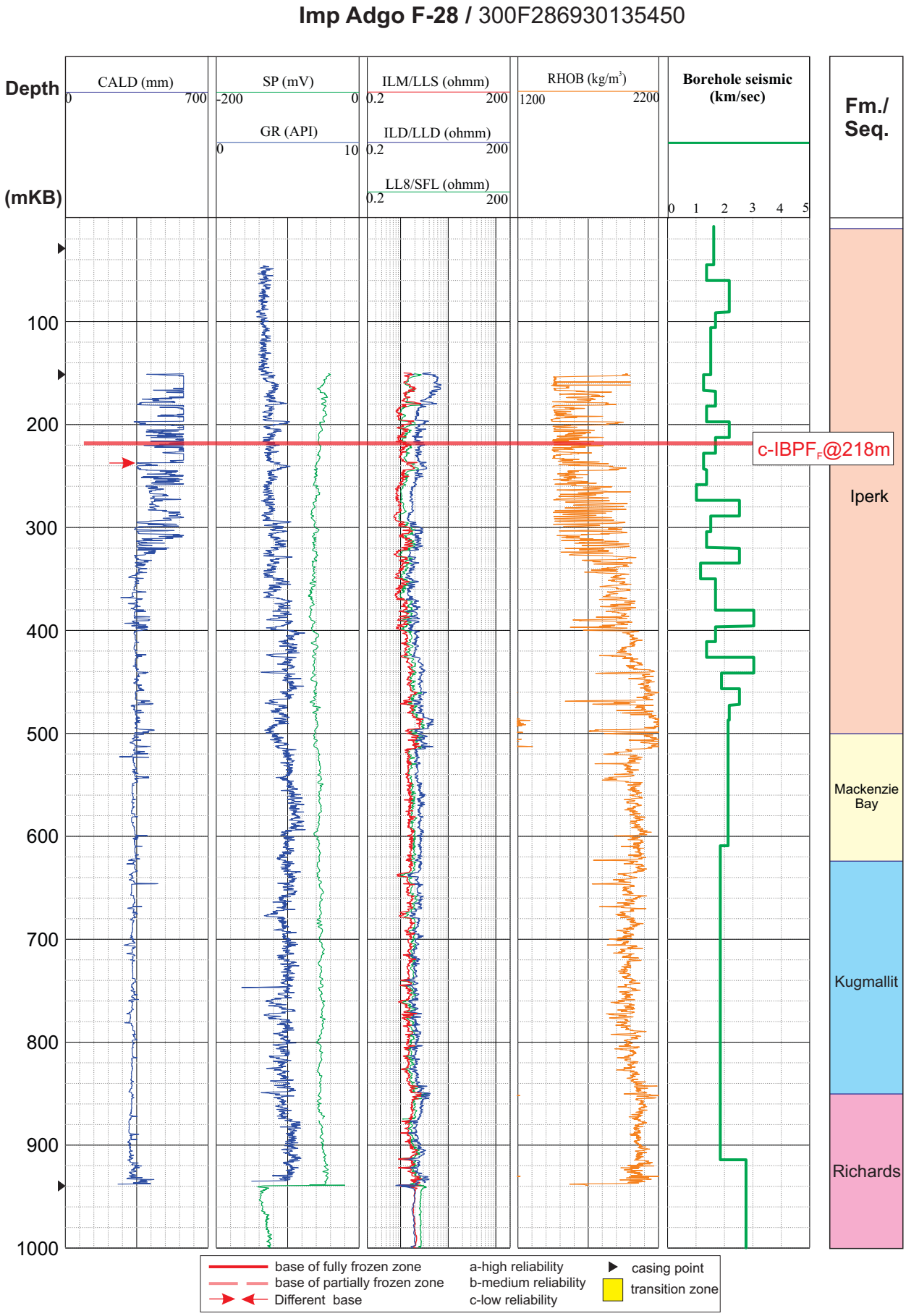

Figure 14. Determination of base of permafrost using geophysical logs and well seismic survey for the Adgo F-28 well in the Beaufort-Mackenzie Basin.

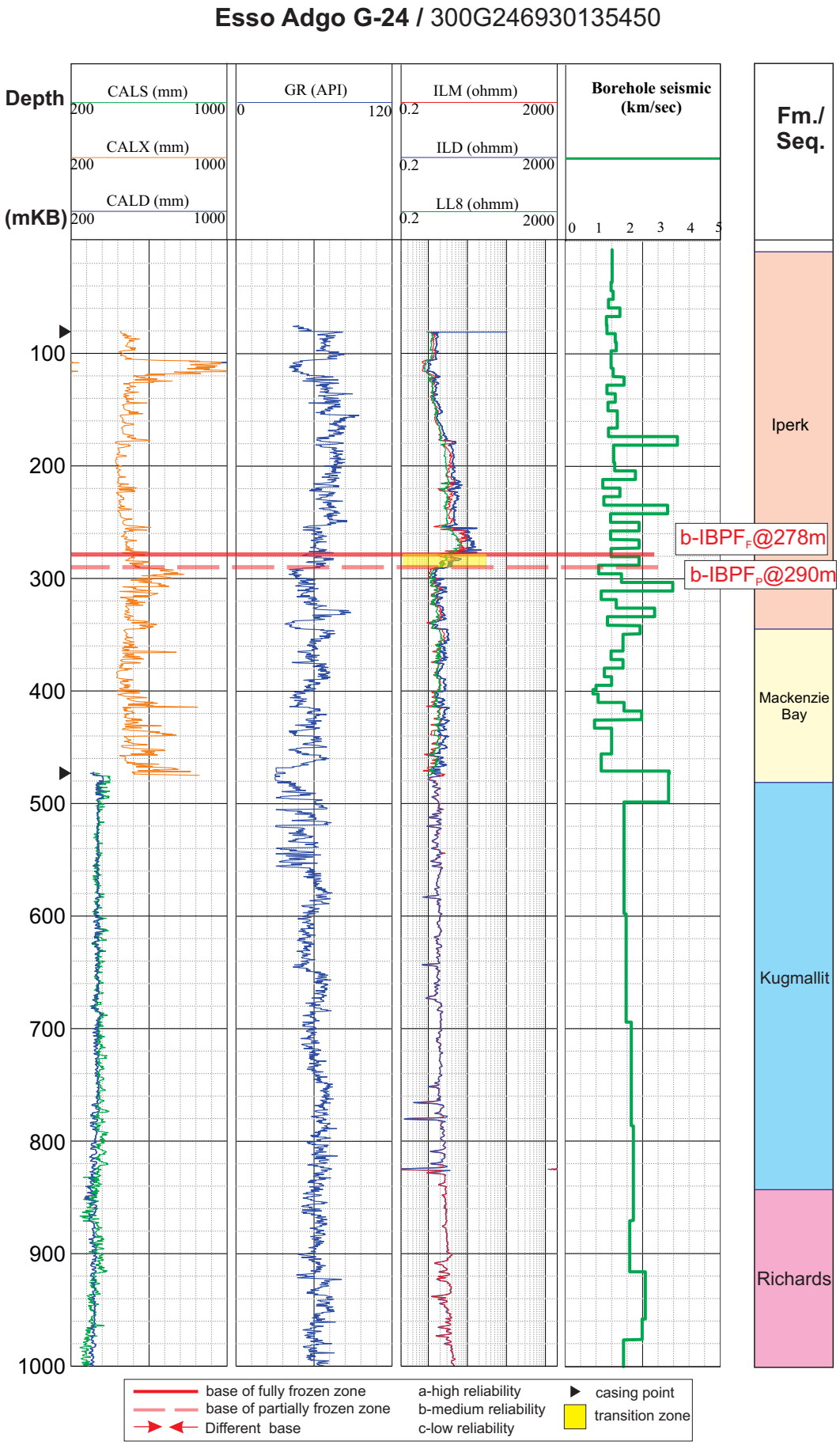

Figure 15. Determination of base of permafrost using geophysical logs and well seismic survey for the Adgo G-24 well in the Beaufort-Mackenzie Basin.

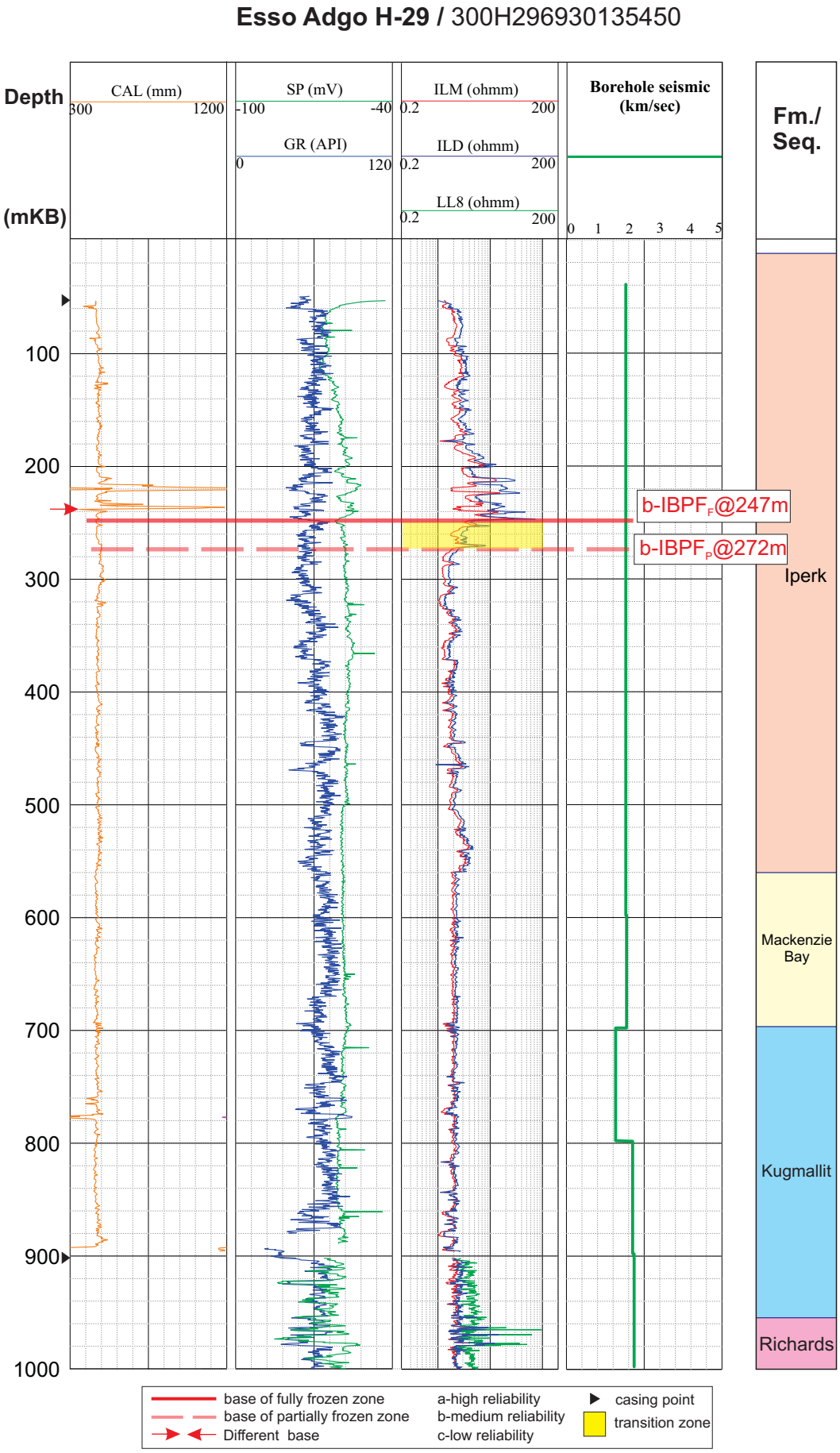

Figure 16. Determination of base of permafrost using geophysical logs and well seismic survey for the Adgo H-29 well in the Beaufort-Mackenzie Basin.

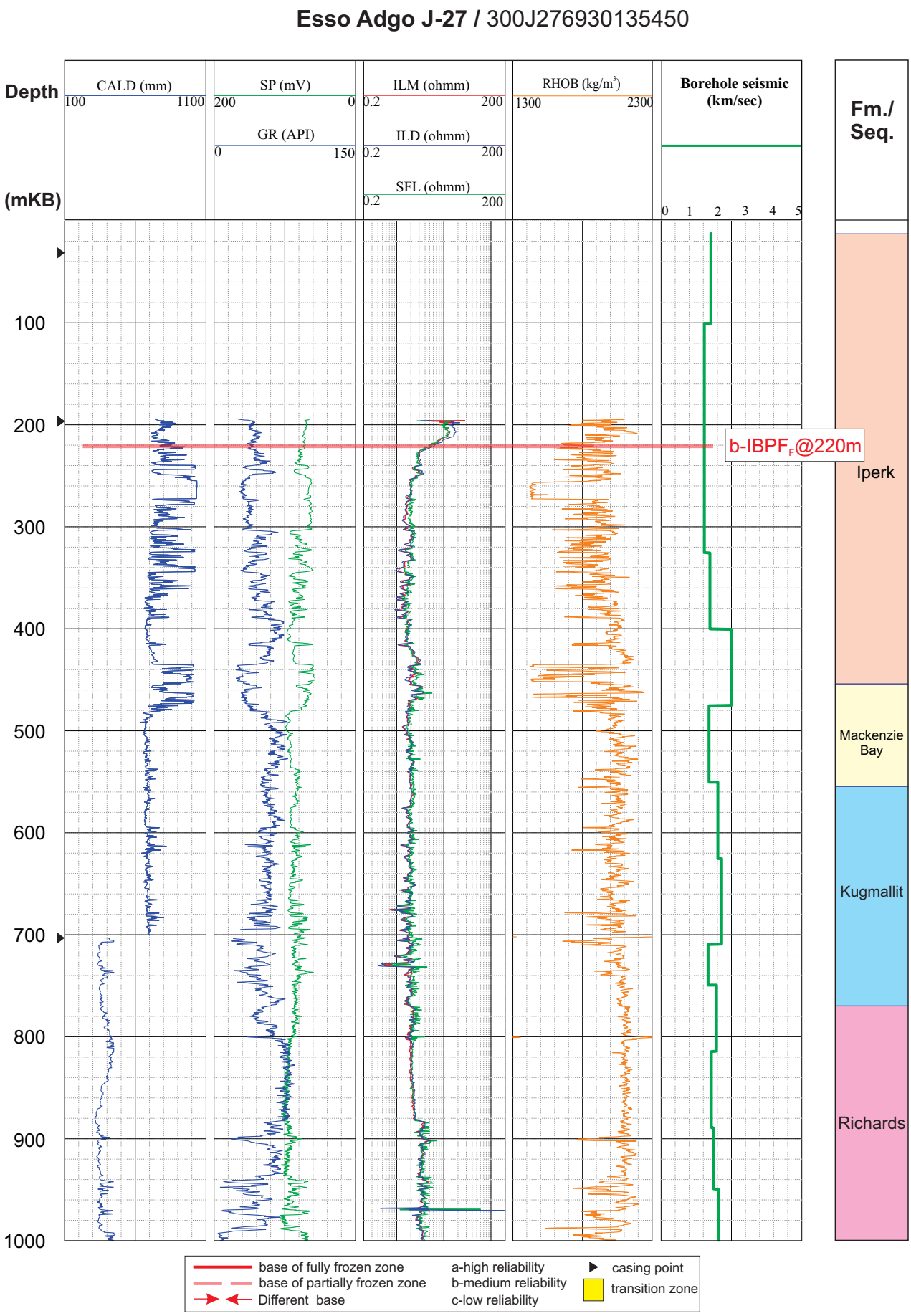

Figure 17. Determination of base of permafrost using geophysical logs and well seismic survey for the Adgo J-27 well in the Beaufort-Mackenzie Basin.

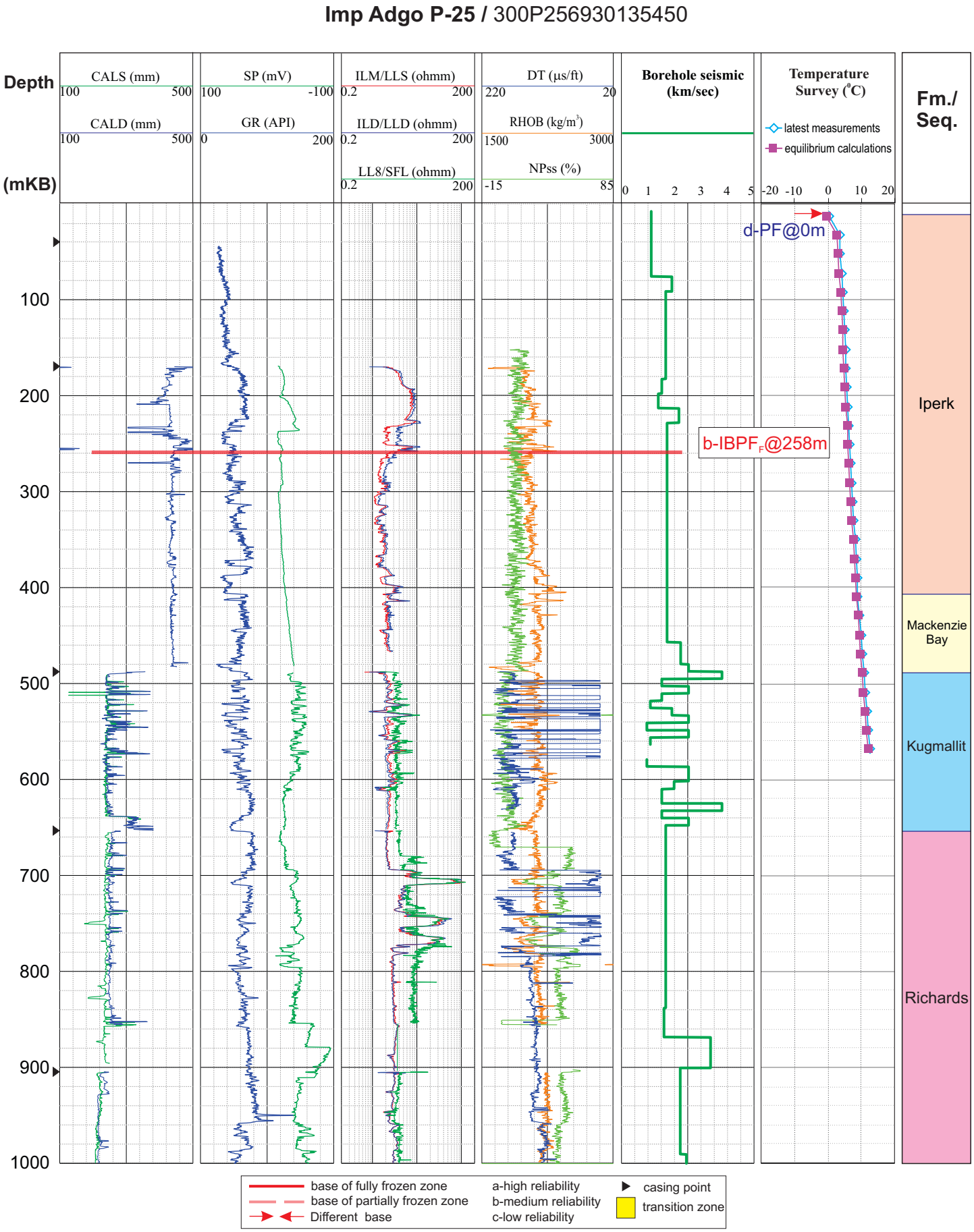

Figure 18. Determination of base of permafrost using geophysical logs, seismic survey and temperature survey for the Adgo P-25 well in the Beaufort-Mackenzie Basin.

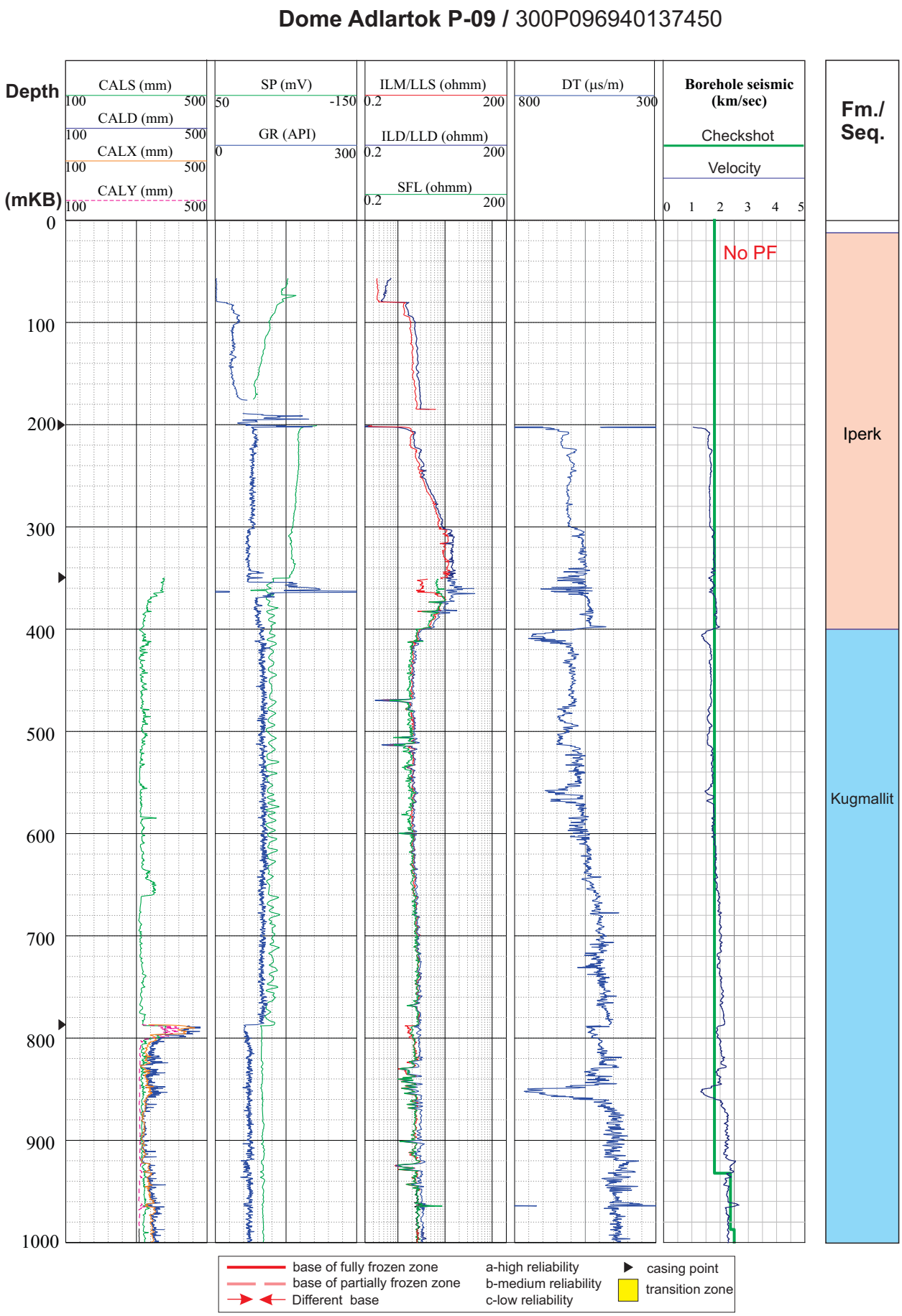

Figure 19. No permafrost exists from well logs and well seismic survey data for the Adlartok P-09 well in the Beaufort-Mackenzie Basin.

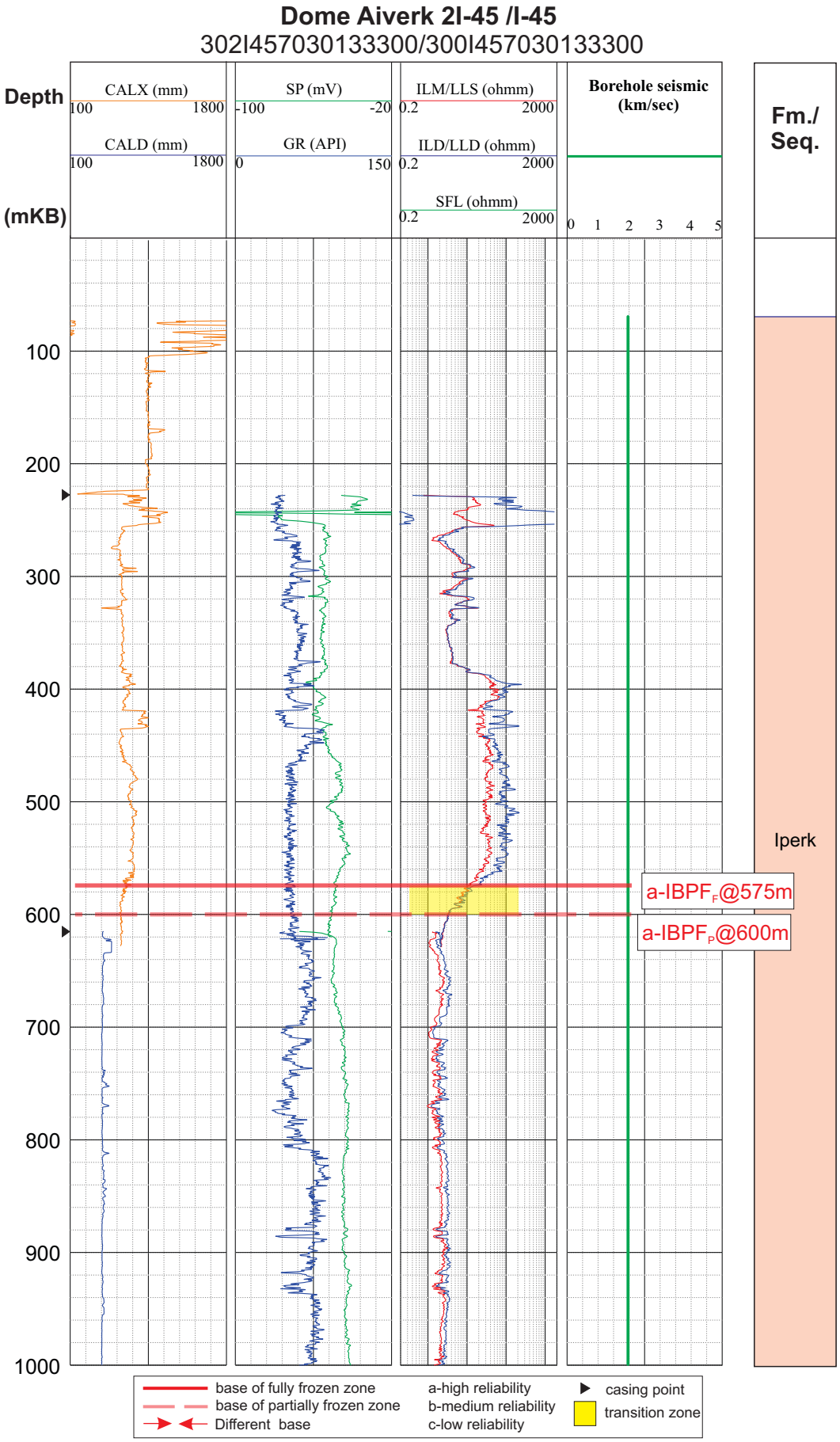

Figure 20. Determination of base of permafrost using geophysical logs and well seismic survey for the Aiverk 2I-45 well in the Beaufort-Mackenzie Basin.

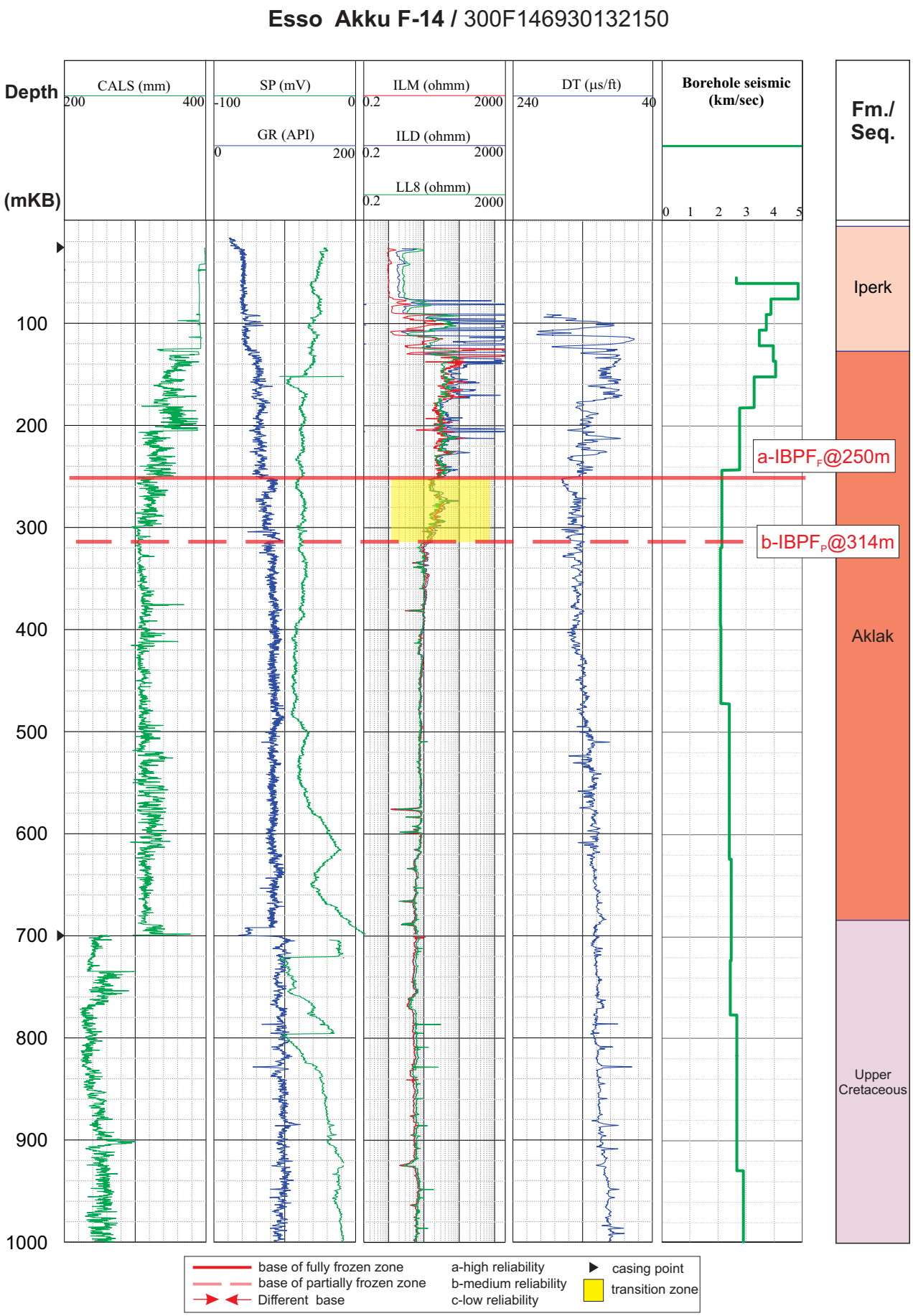

Figure 21. Determination of base of permafrost using geophysical logs and well seismic survey for the Akku F-14 well in the Beaufort-Mackenzie Basin.

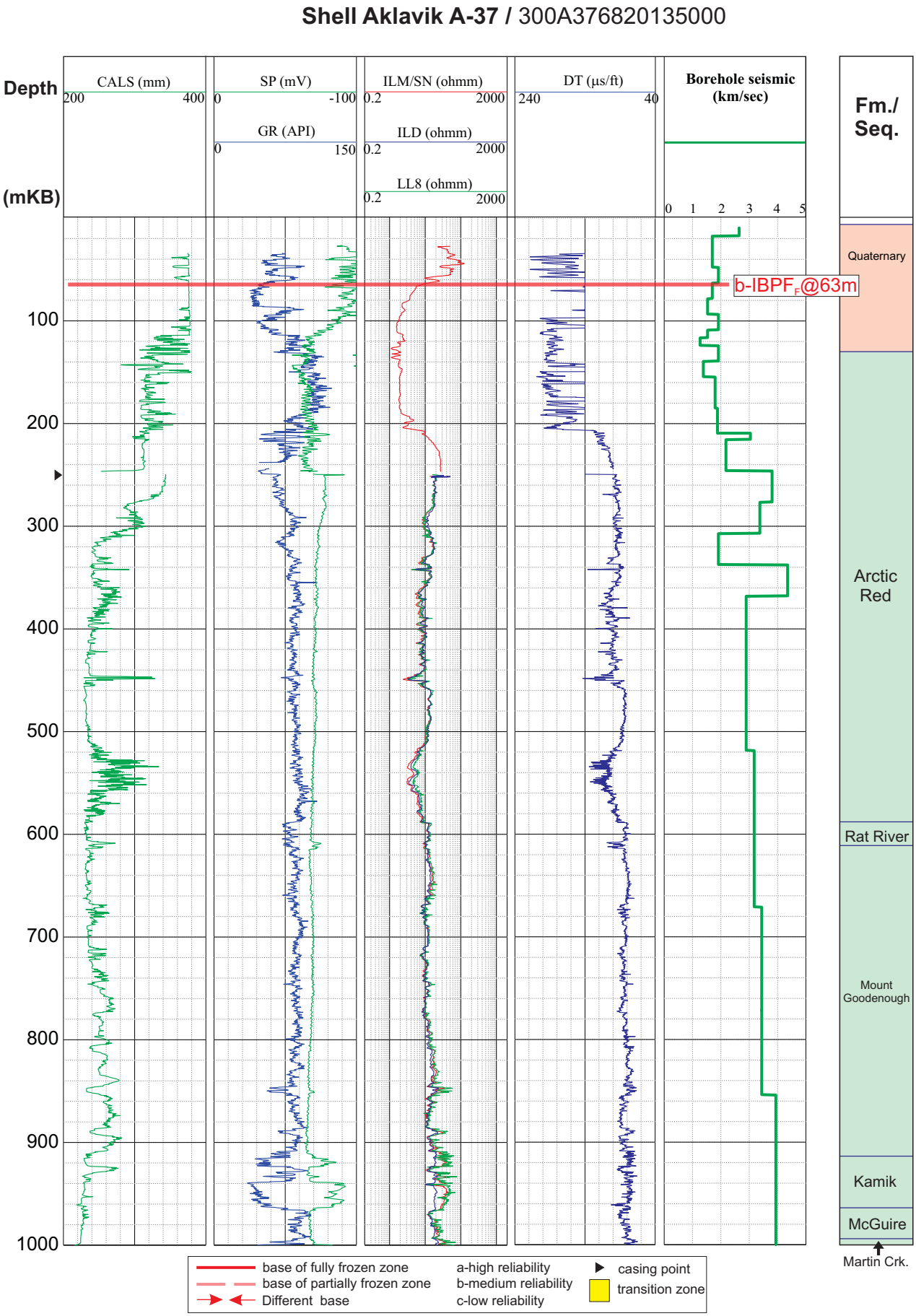

Figure 22. Determination of base of permafrost using geophysical logs and well seismic survey for the Aklavik A-37 well in the Beaufort-Mackenzie Basin.

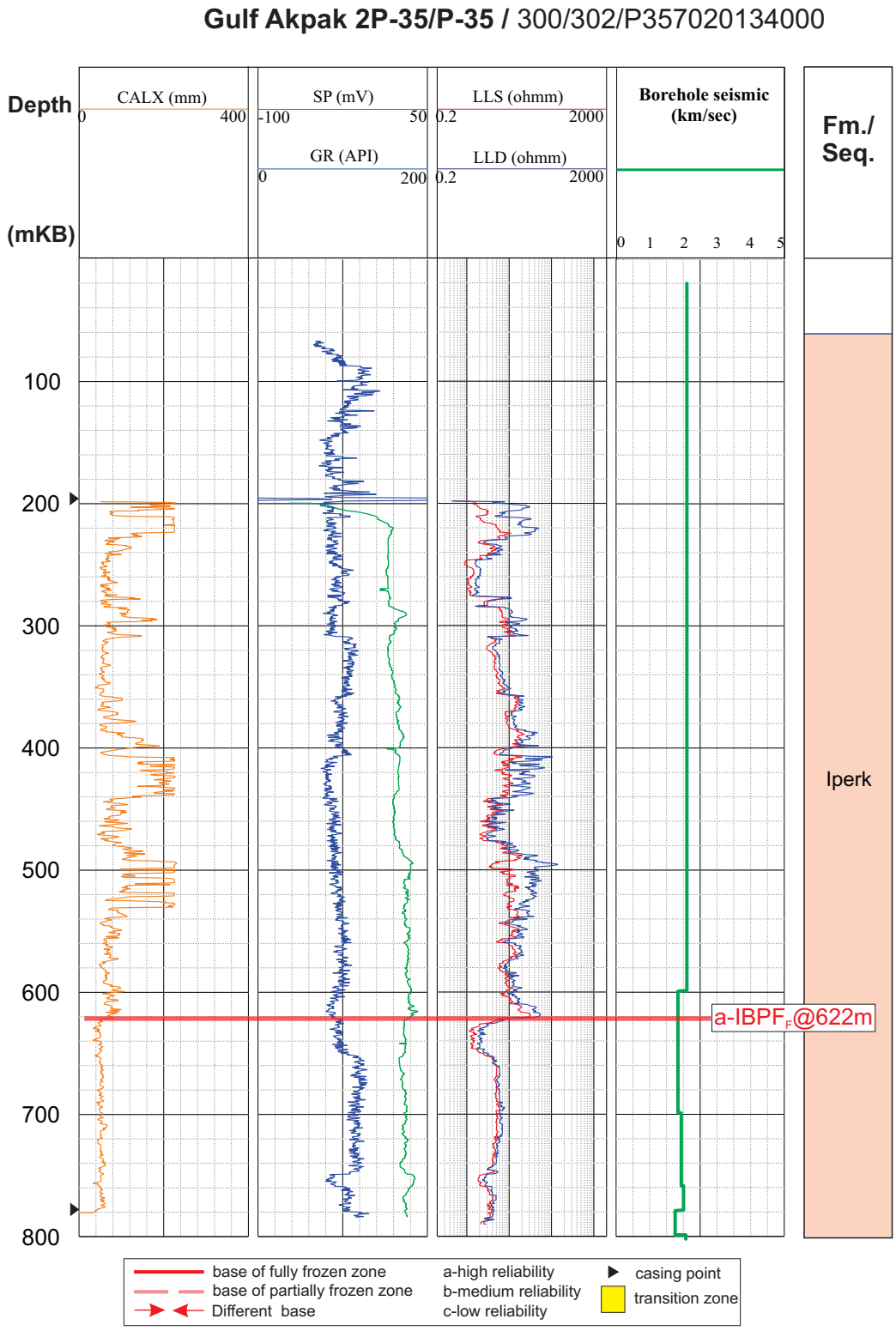

Figure 23. Determination of base of permafrost using geophysical logs and well seismic survey for the Akpak 2P-25/P-25 well in the Beaufort-Mackenzie Basin.

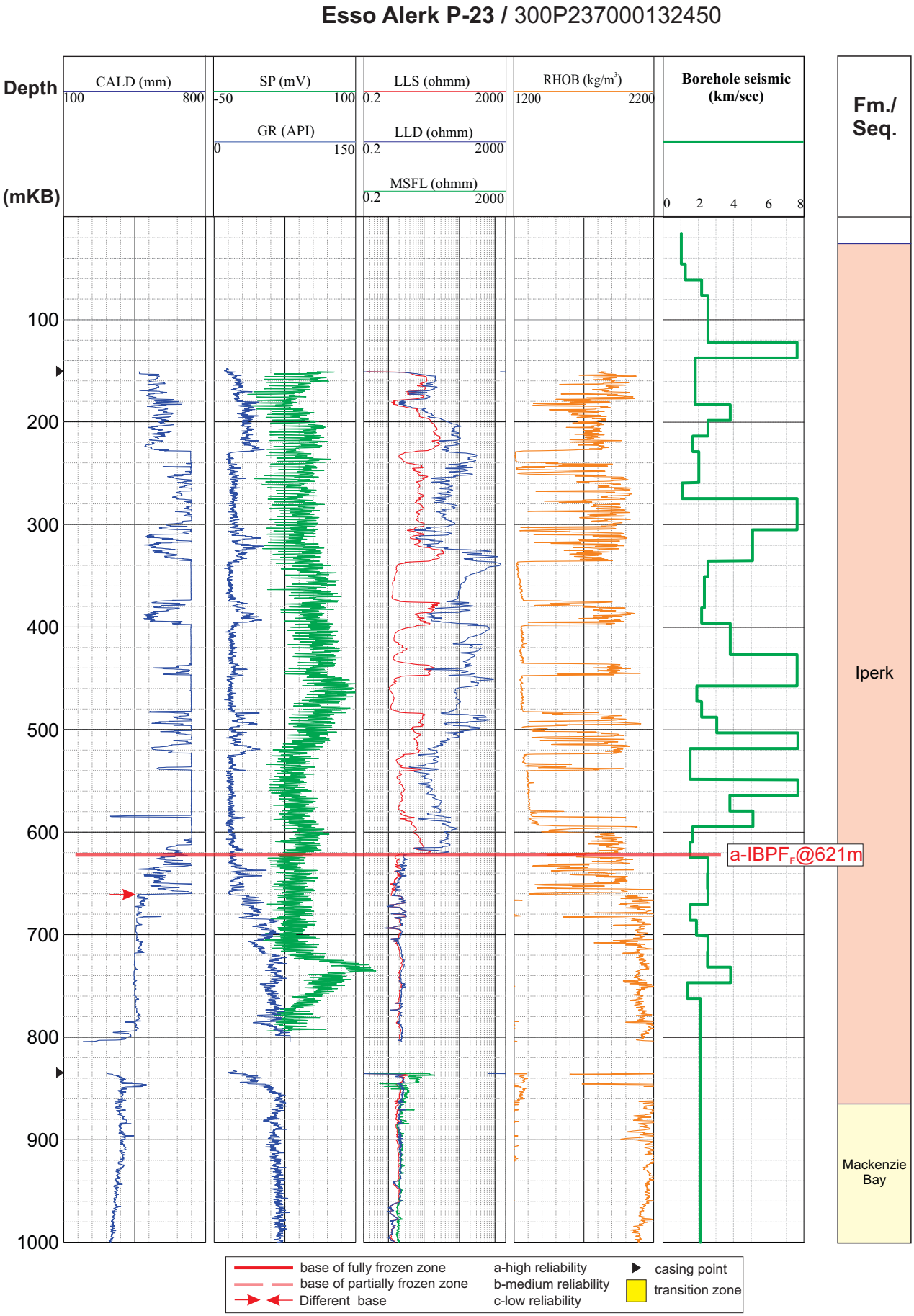

Figure 24. Determination of base of permafrost using geophysical logs and well seismic survey for the Alerk P-23 well in the Beaufort-Mackenzie Basin.

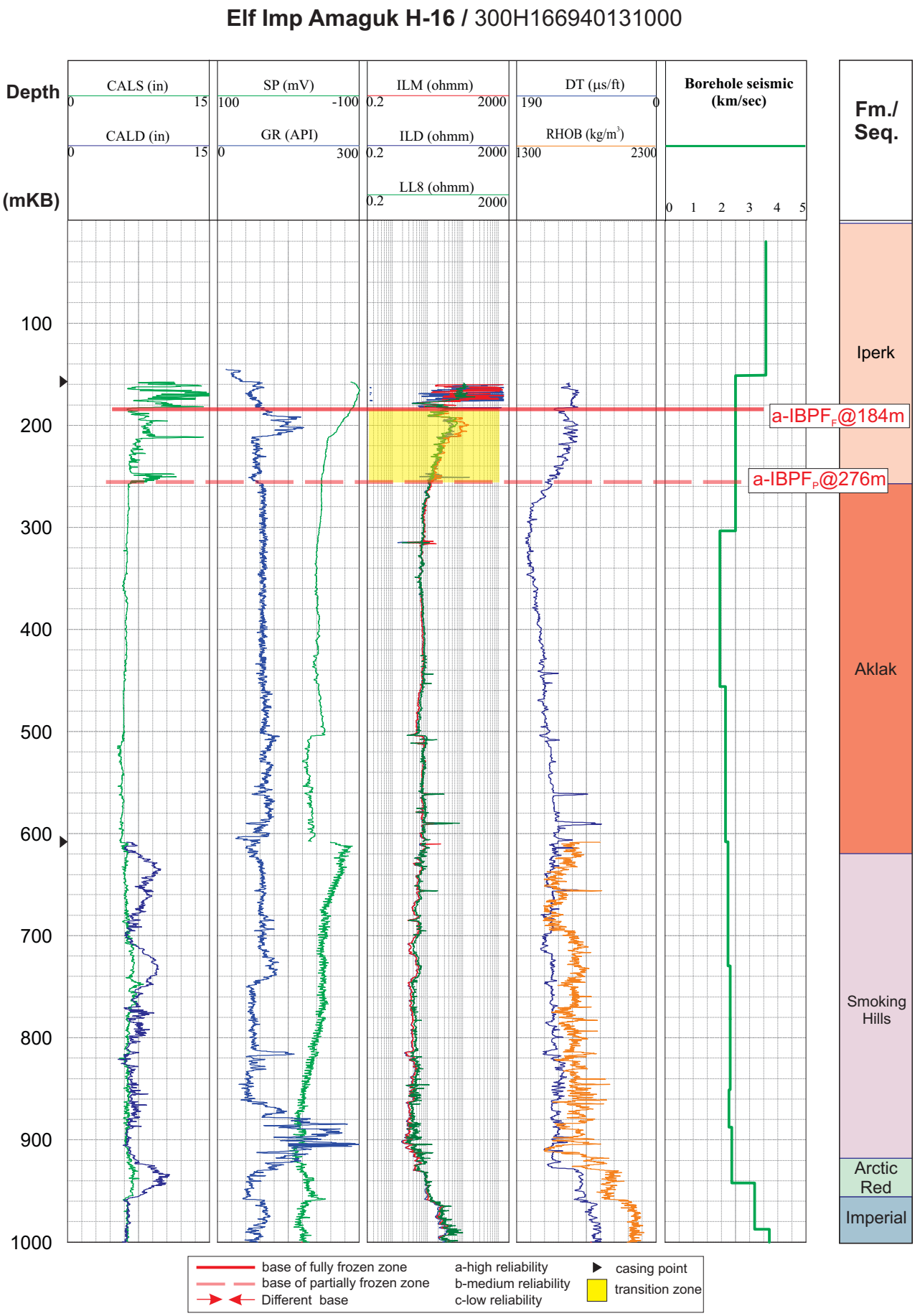

Figure 25. Determination of base of permafrost using geophysical logs and well seismic survey for the Amaguk H-16 well in the Beaufort-Mackenzie Basin.

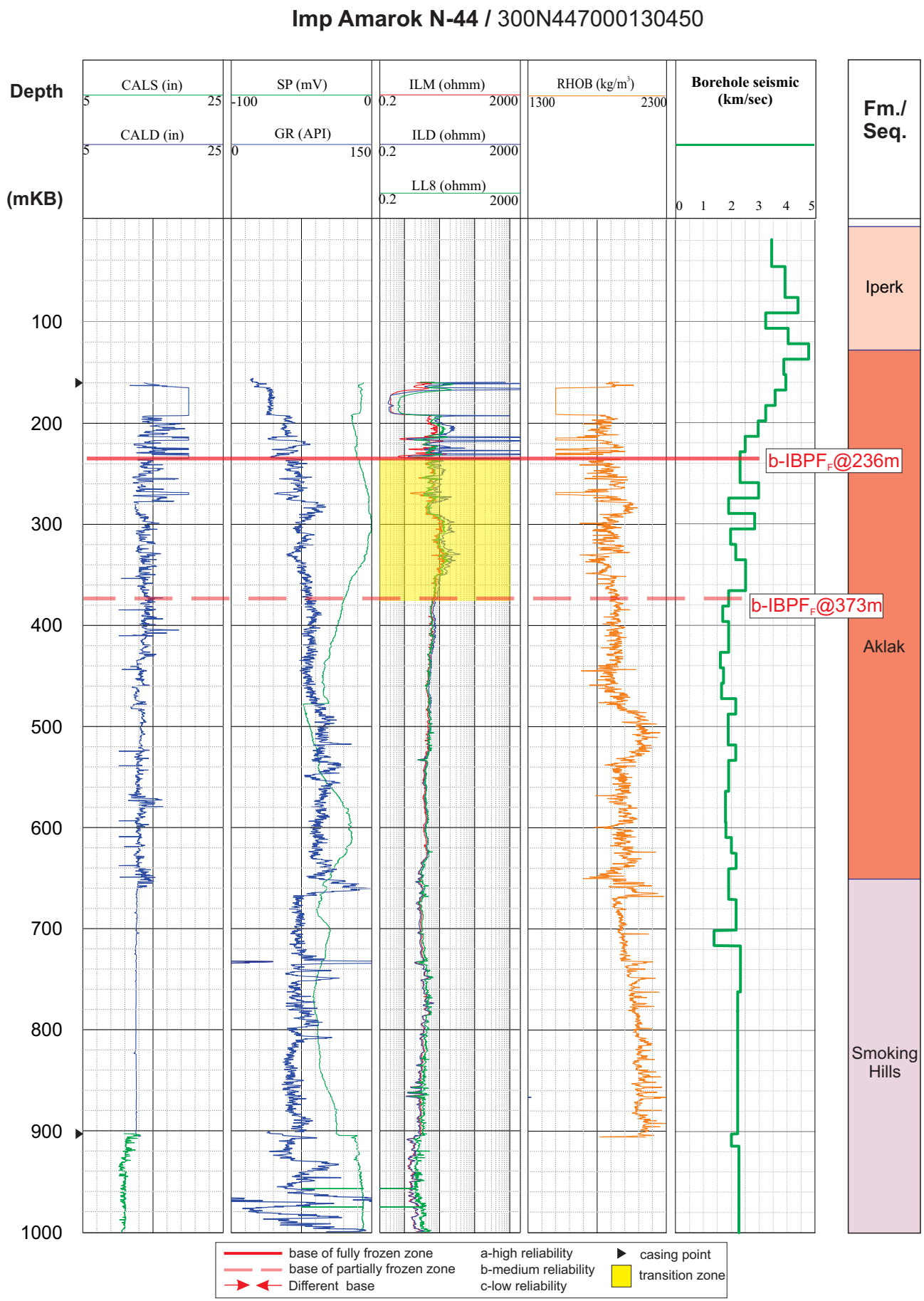

Figure 26. Determination of base of permafrost using geophysical logs and well seismic survey for the Amarok N-44 well in the Beaufort-Mackenzie Basin.

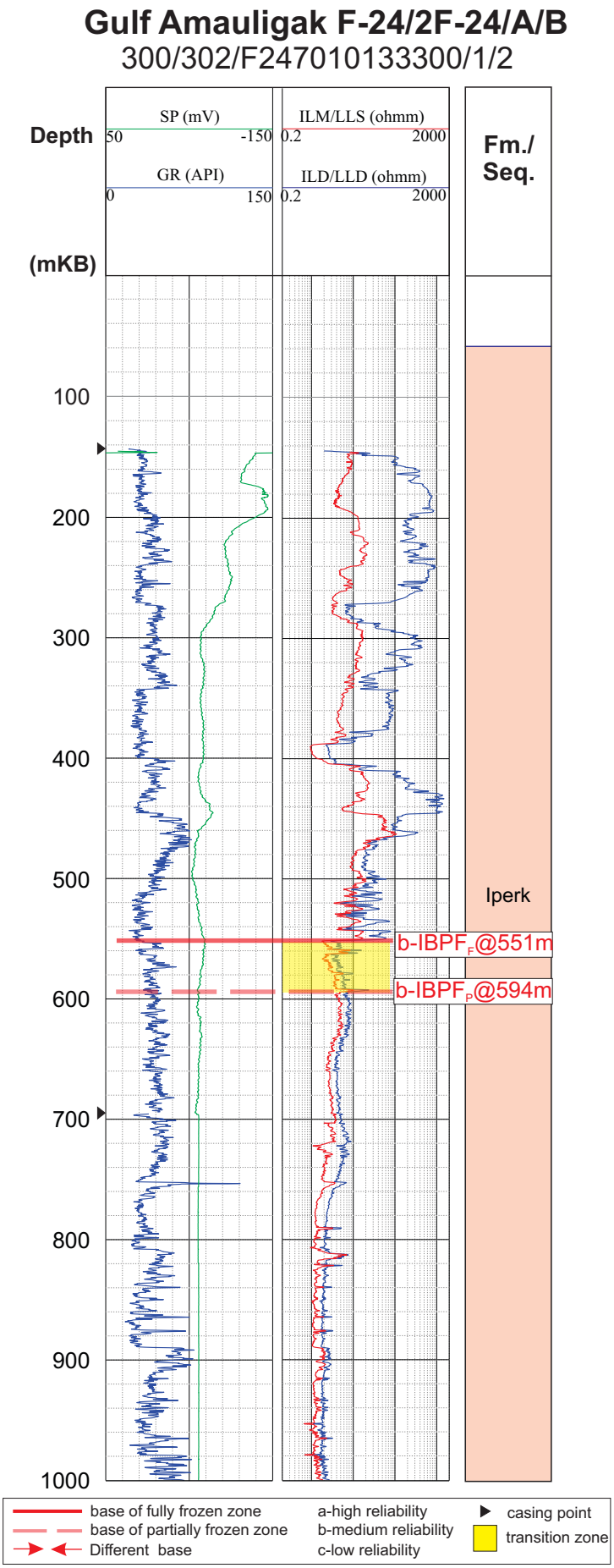

Figure 27. Determination of base of permafrost using geophysical logs for the Amauligak F-24, 2F-24, and 2F-24A/B wells in the Beaufort-Mackenzie Basin.

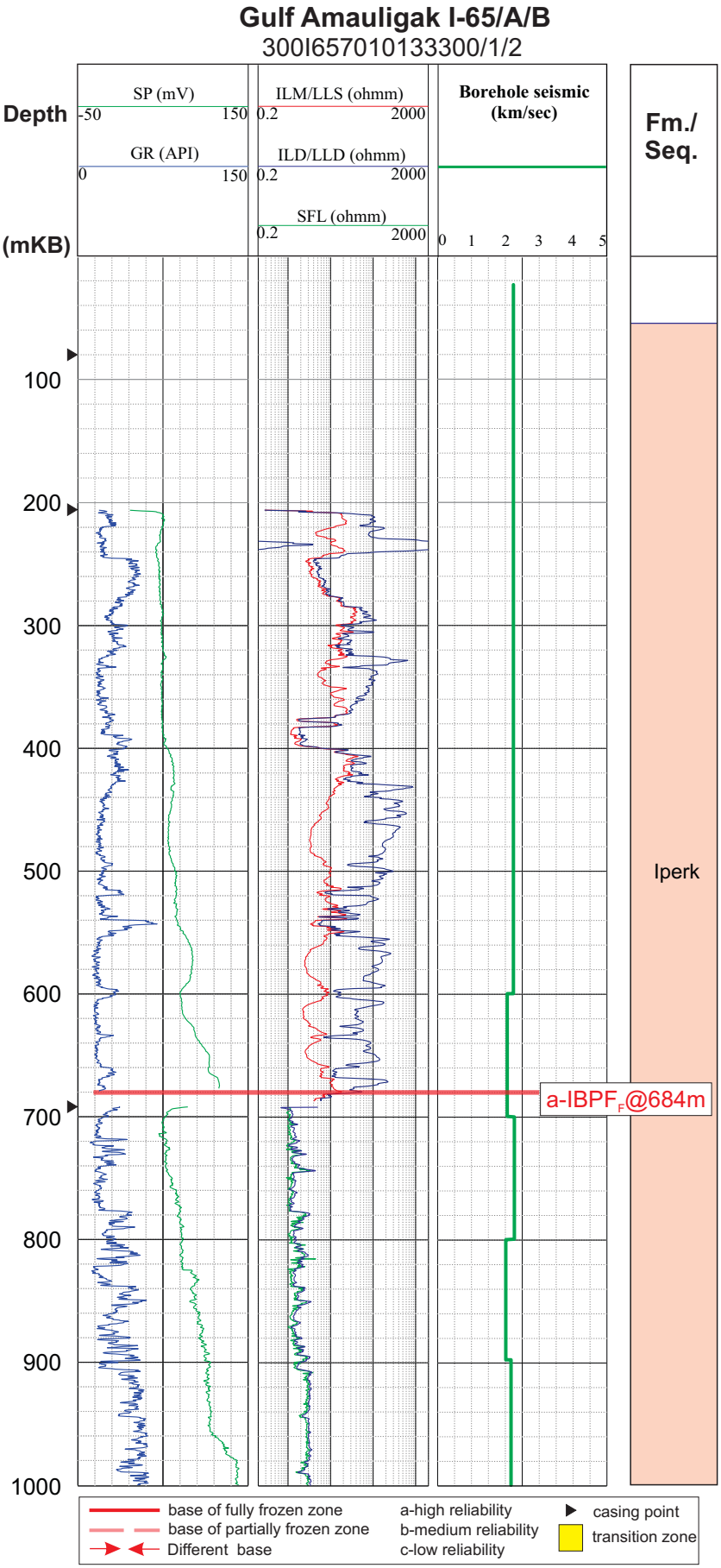

Figure 28. Determination of base of permafrost using geophysical logs and well seismic survey for the Amauligak I-65/A/B wells in the Beaufort-Mackenzie Basin.

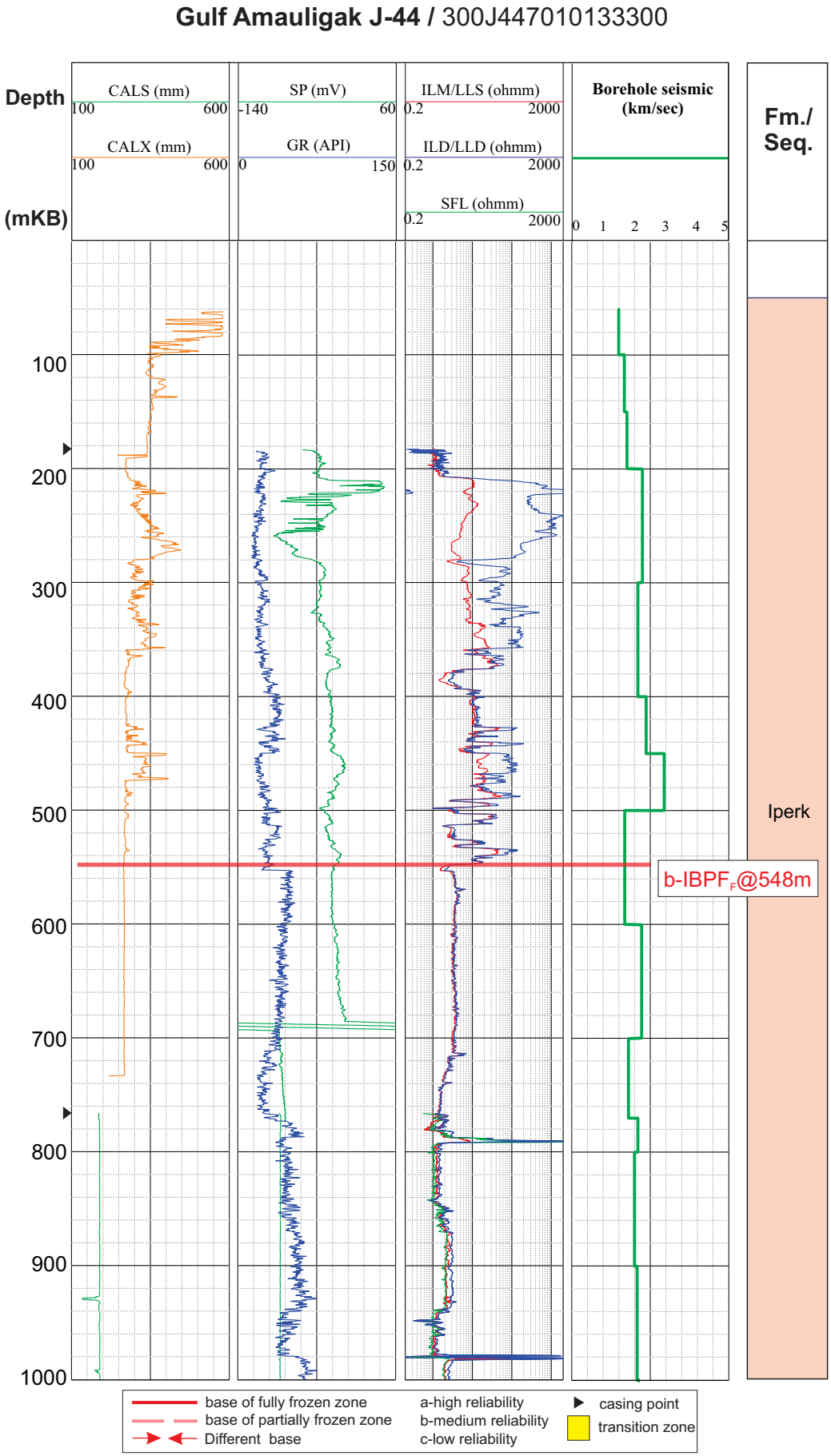

Figure 29. Determination of base of permafrost using geophysical logs and well seismic survey for the Amauligak J-44 well in the Beaufort-Mackenzie Basin.

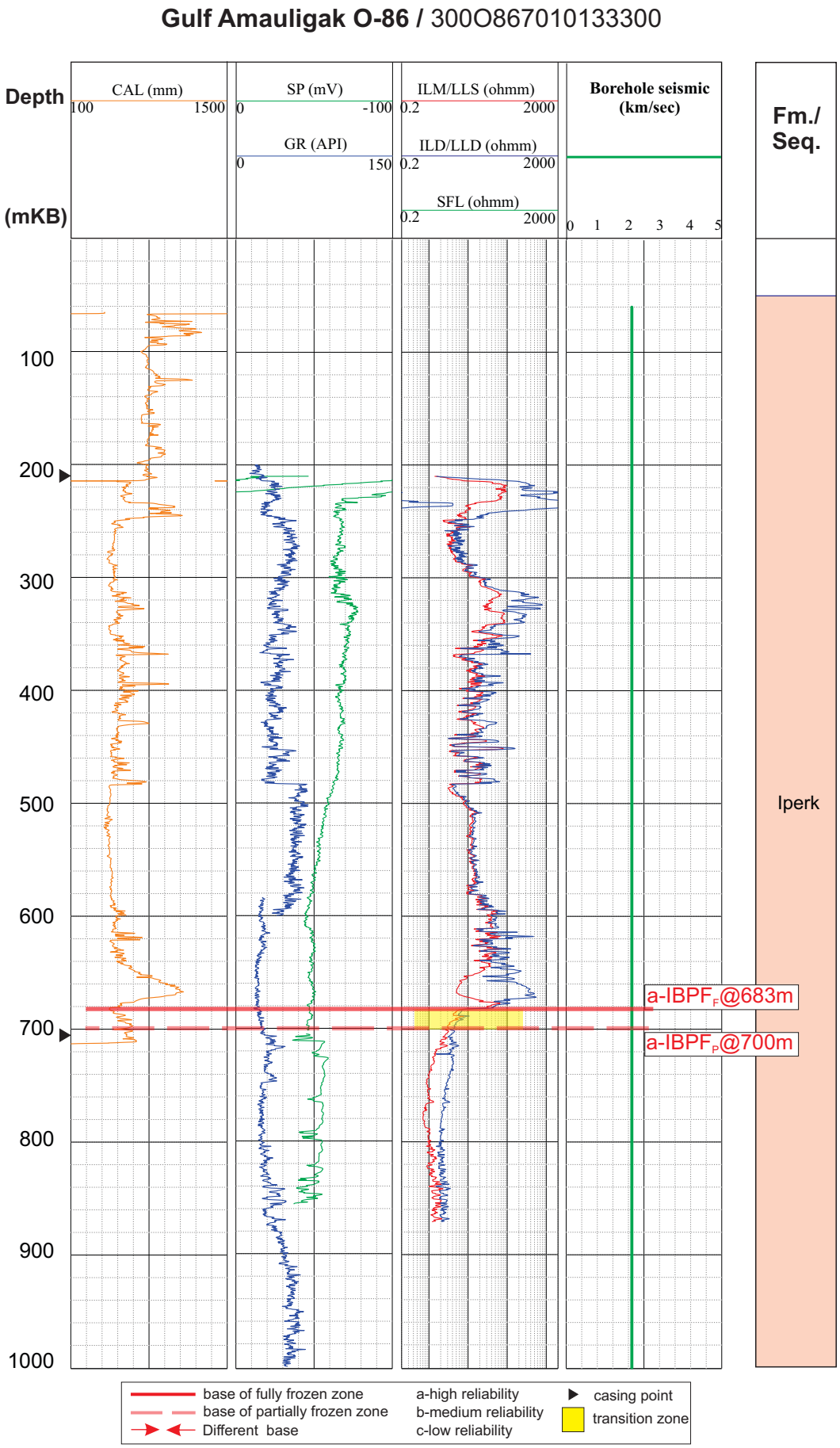

Figure 30. Determination of base of permafrost using geophysical logs and well seismic survey for the Amauligak O-86 well in the Beaufort-Mackenzie Basin.

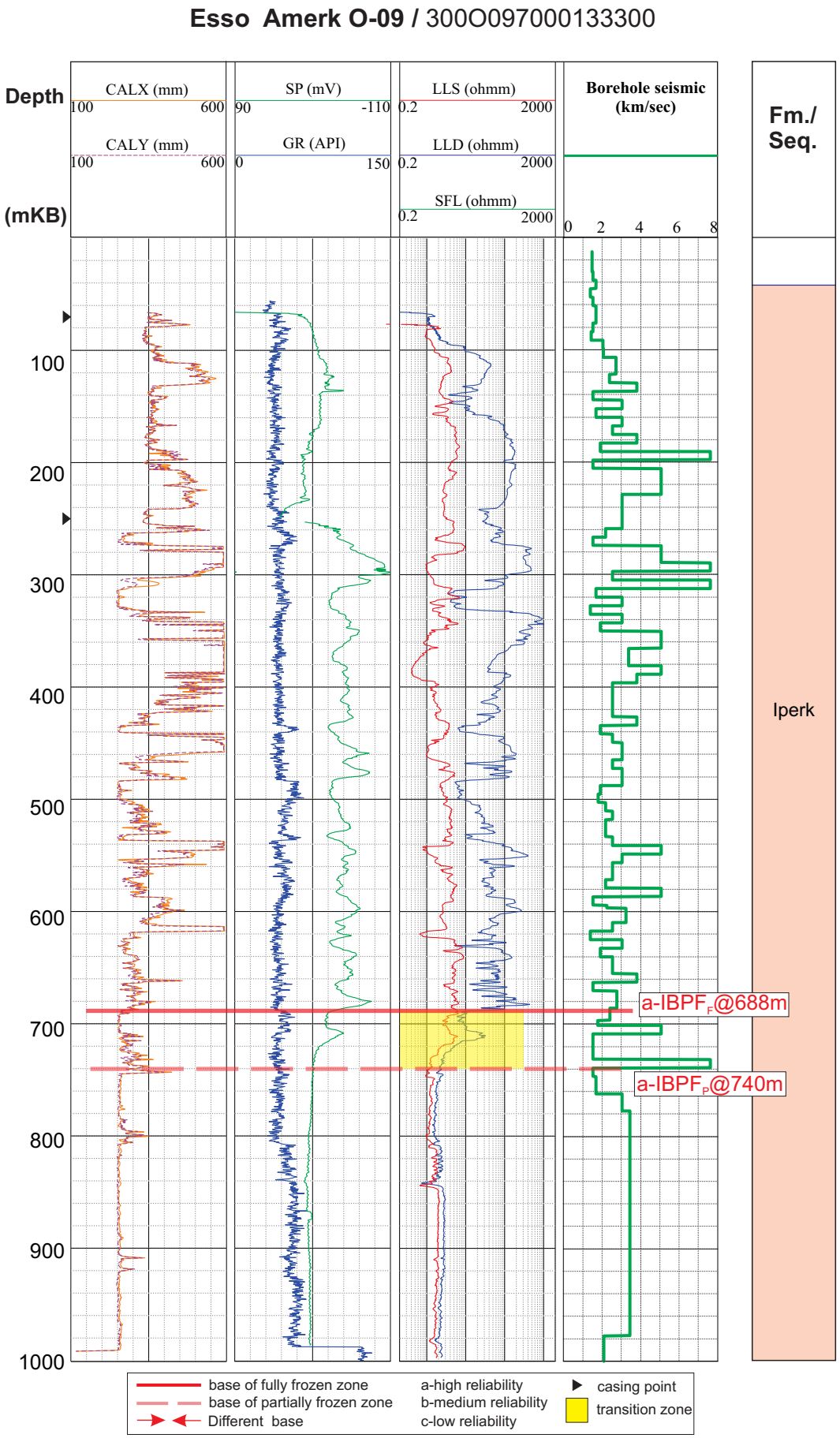

Figure 31. Determination of base of permafrost using geophysical logs and well seismic survey for the Amerk O-09 well in the Beaufort-Mackenzie Basin.

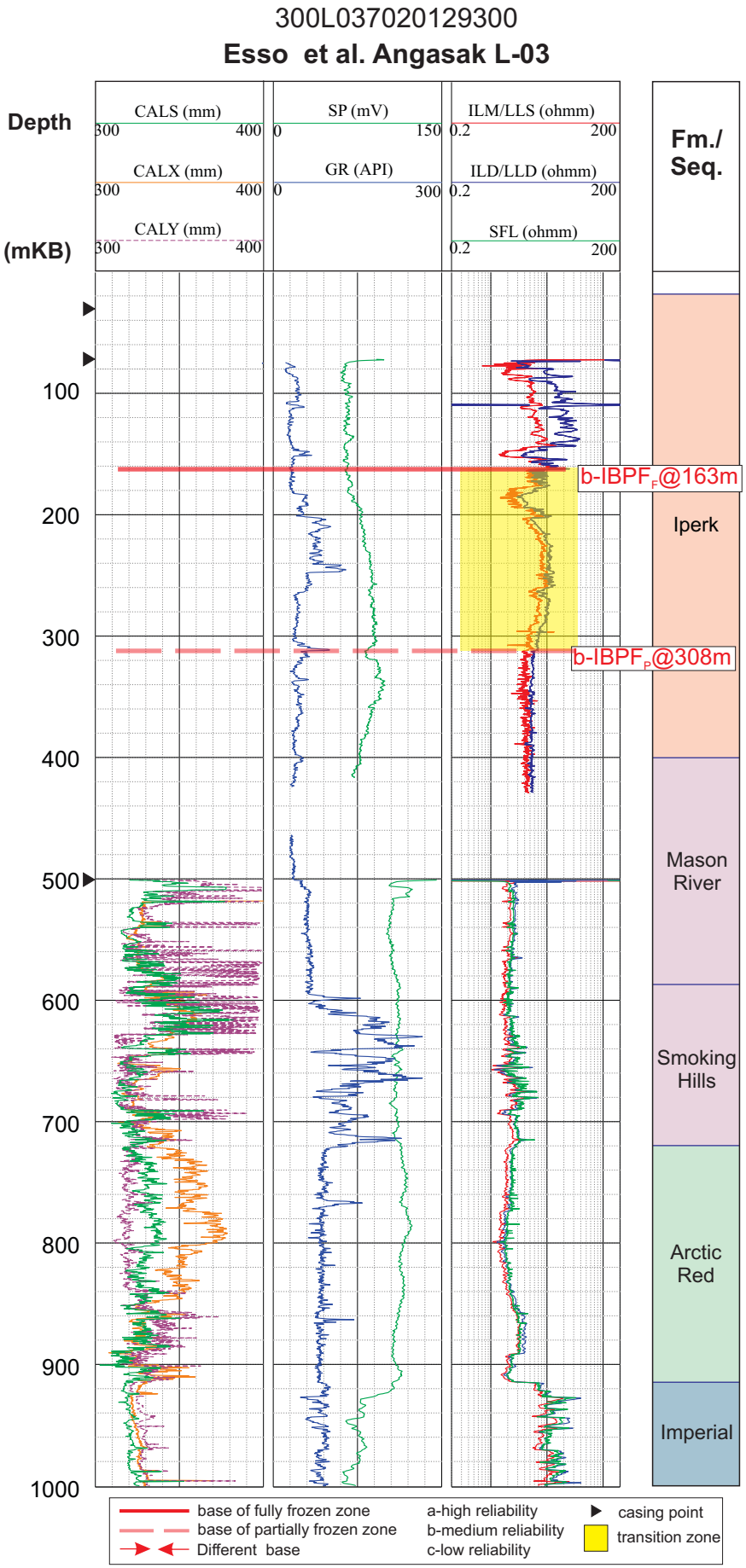

Figure 32. Determination of base of permafrost using geophysical logs for the Angasak L-03 well in the Beaufort-Mackenzie Basin.

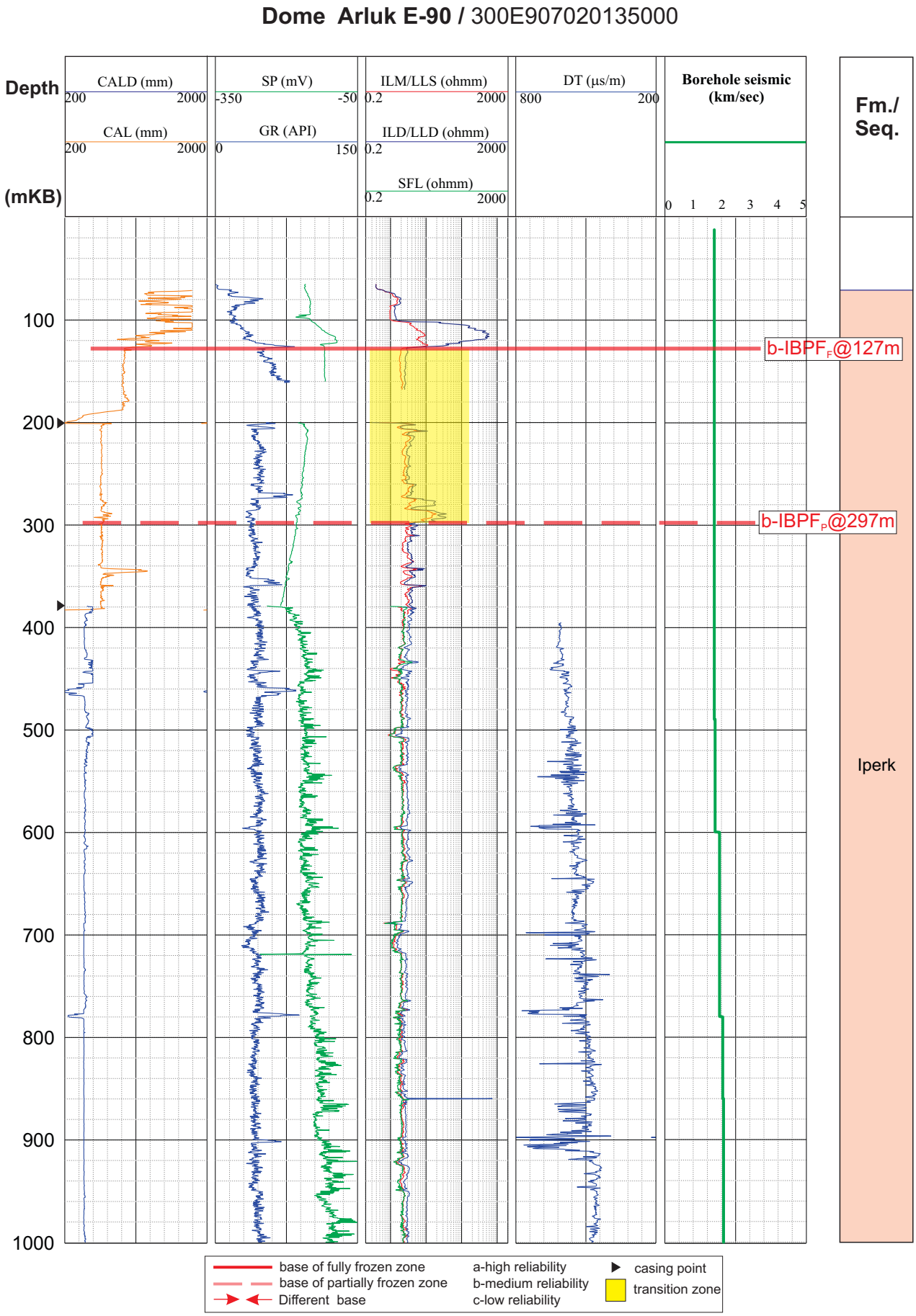

Figure 33. Determination of base of permafrost using geophysical logs and well seismic survey for the Arluk E-90 well in the Beaufort-Mackenzie Basin.

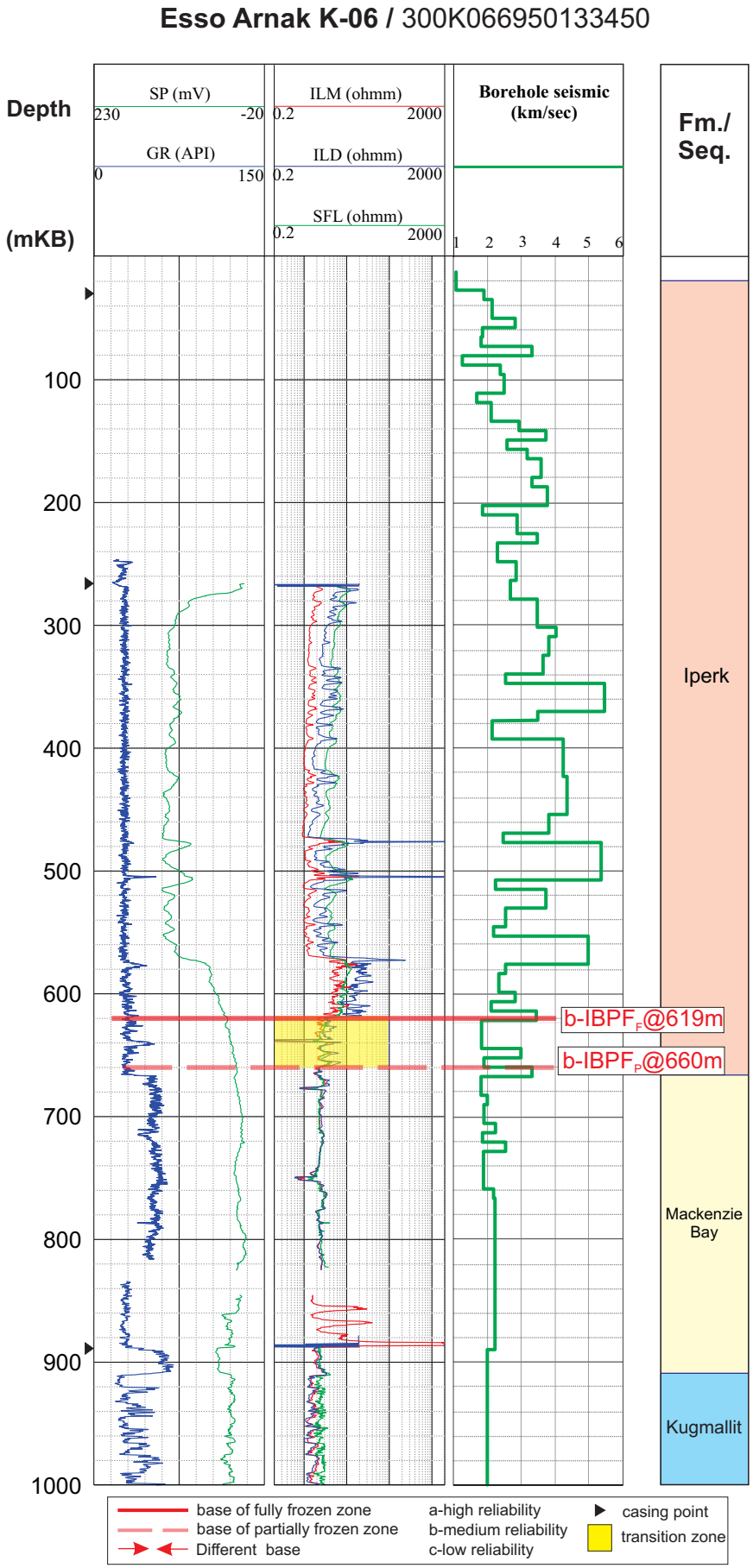

Figure 34. Determination of base of permafrost using geophysical logs and well seismic survey for the Arnak K-06 well in the Beaufort-Mackenzie Basin.

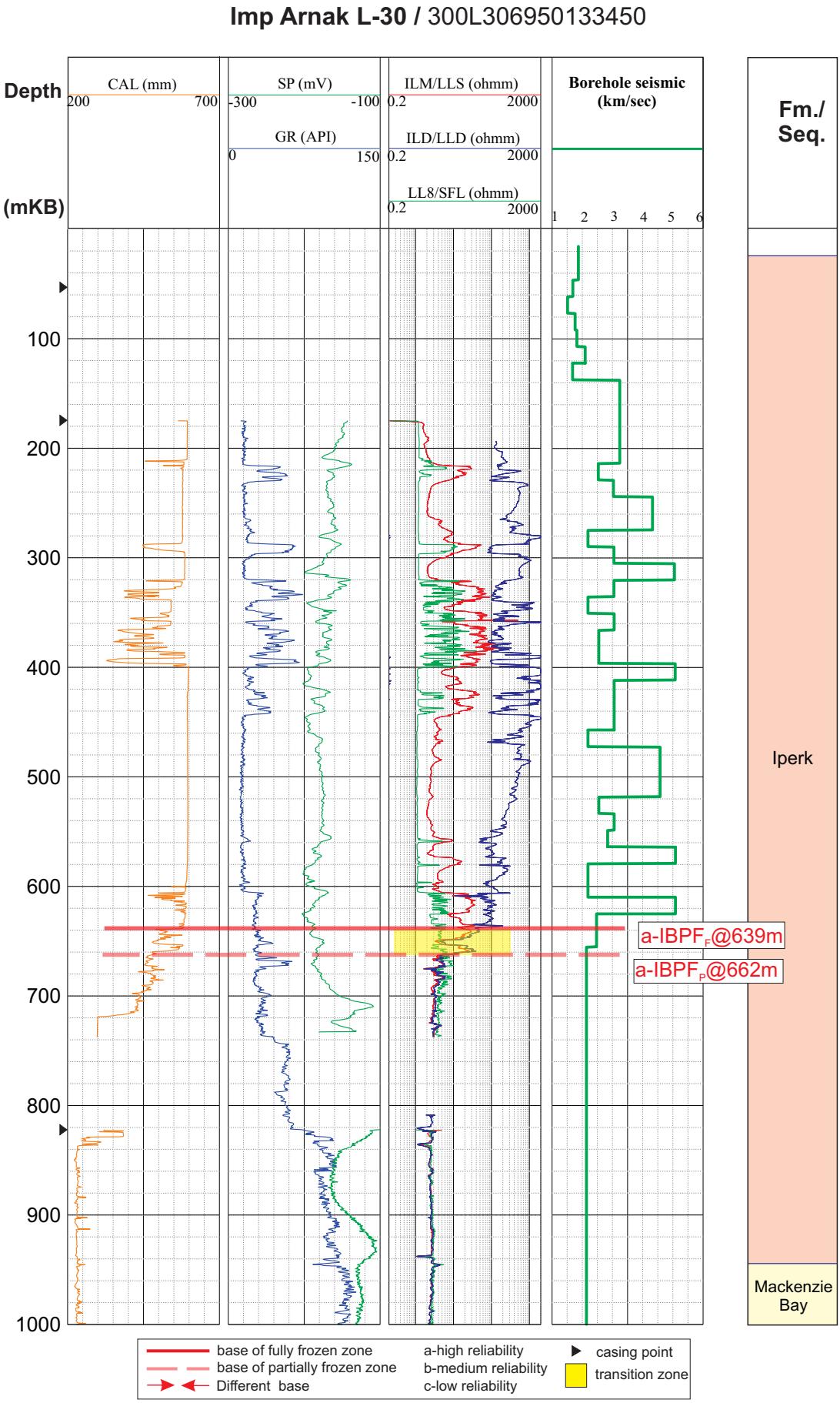

Figure 35. Determination of base of permafrost using geophysical logs and well seismic survey for the Arnak L-30 well in the Beaufort-Mackenzie Basin.

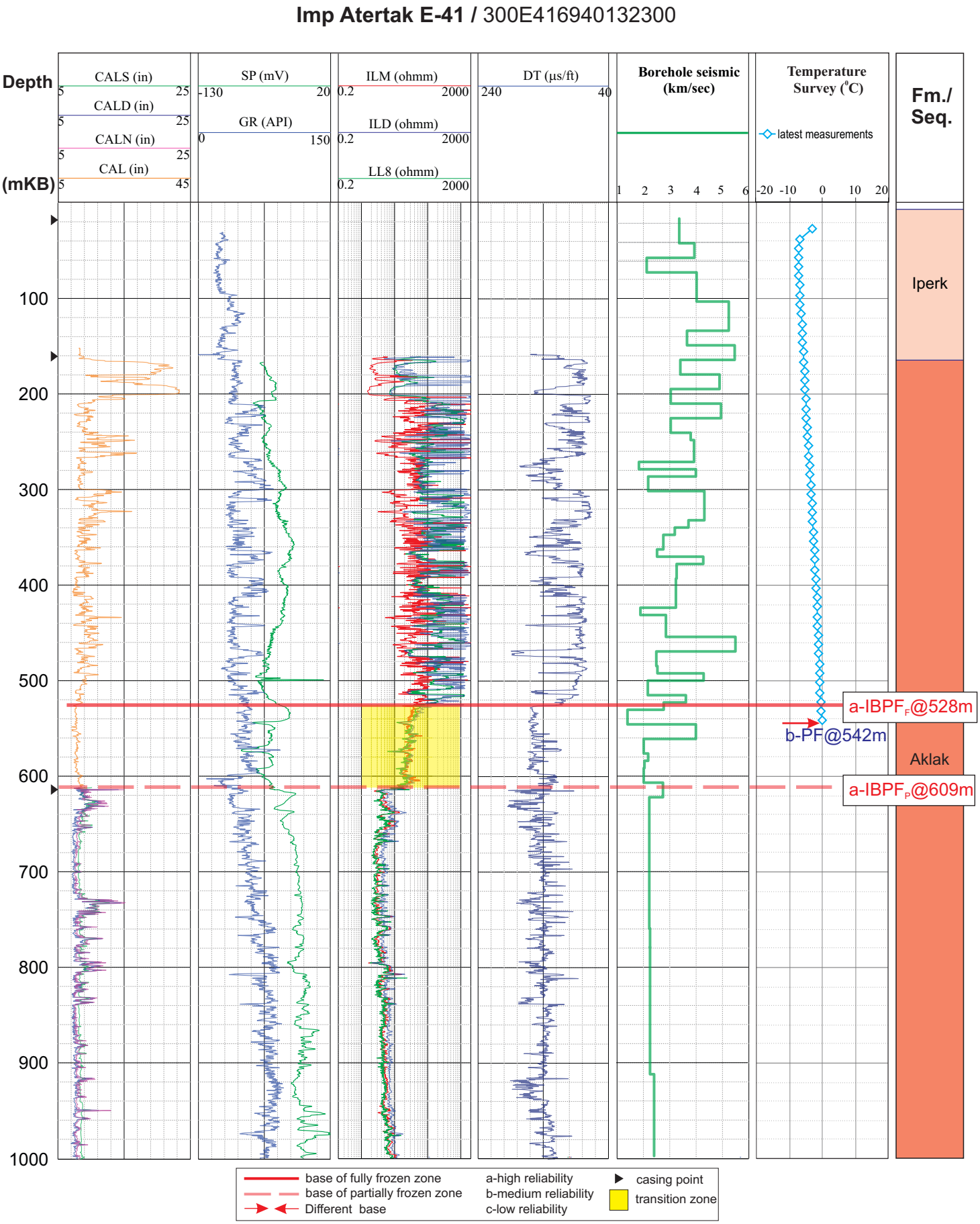

Figure 36. Determination of base of permafrost using geophysical logs, well seismic survey and temperature survey for the Atertak E-41 well in the Beaufort-Mackenzie Basin.

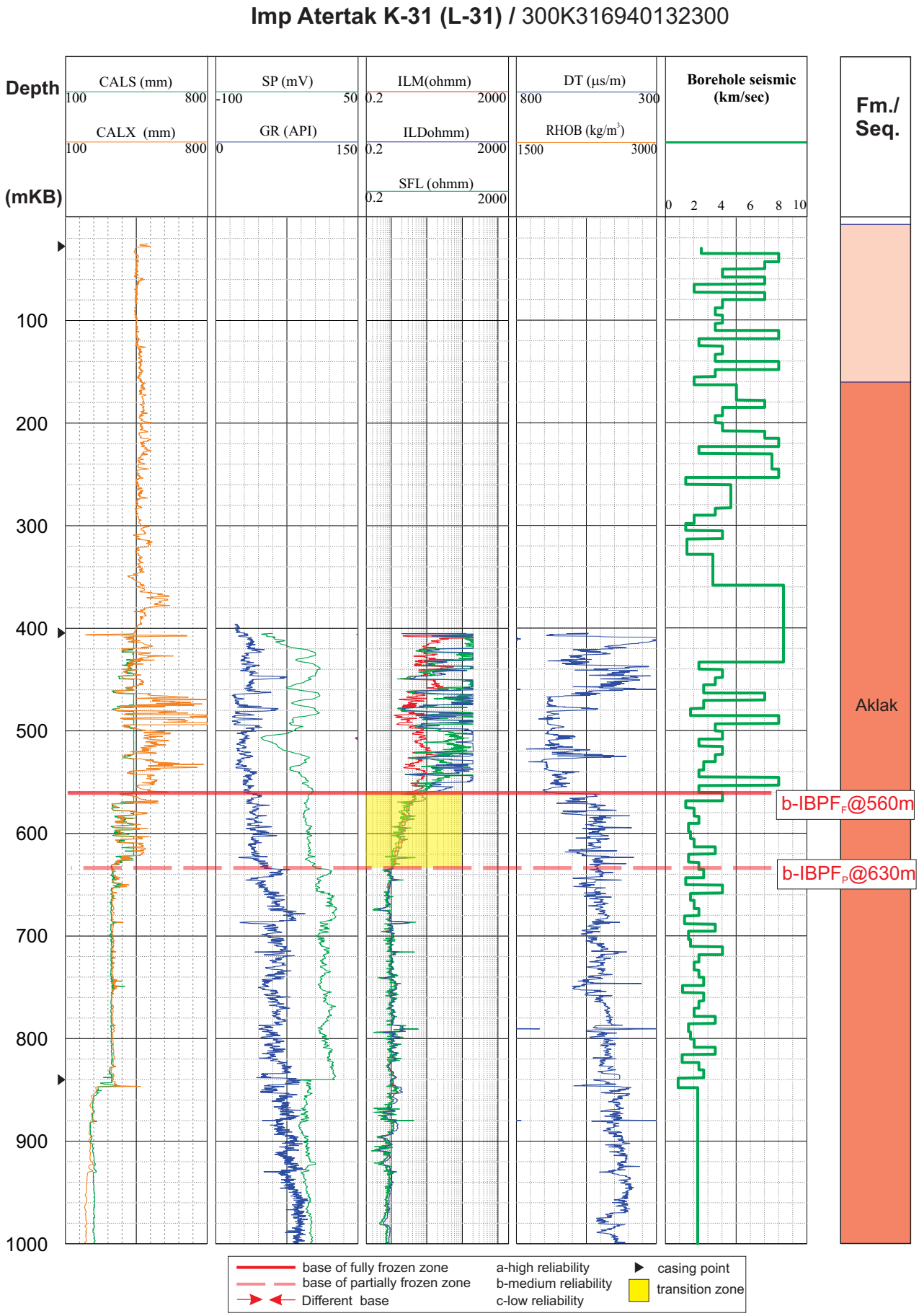

Figure 37. Determination of base of permafrost using geophysical logs and well seismic survey for the Atertak K-31 (L-31) well in the Beaufort-Mackenzie Basin.

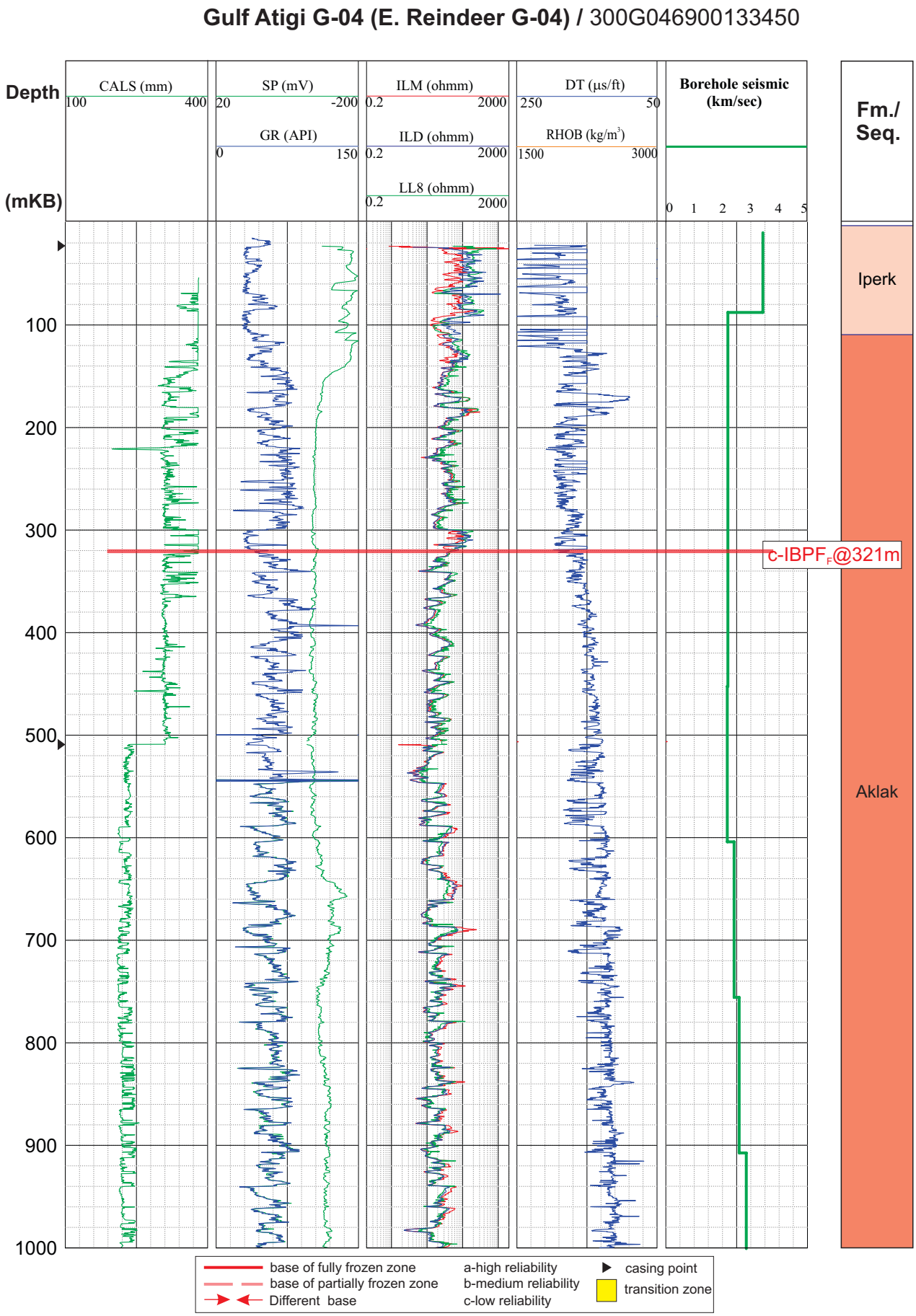

Figure 38. Determination of base of permafrost using geophysical logs and well seismic survey for the Atigi G-04 well in the Beaufort-Mackenzie Basin.

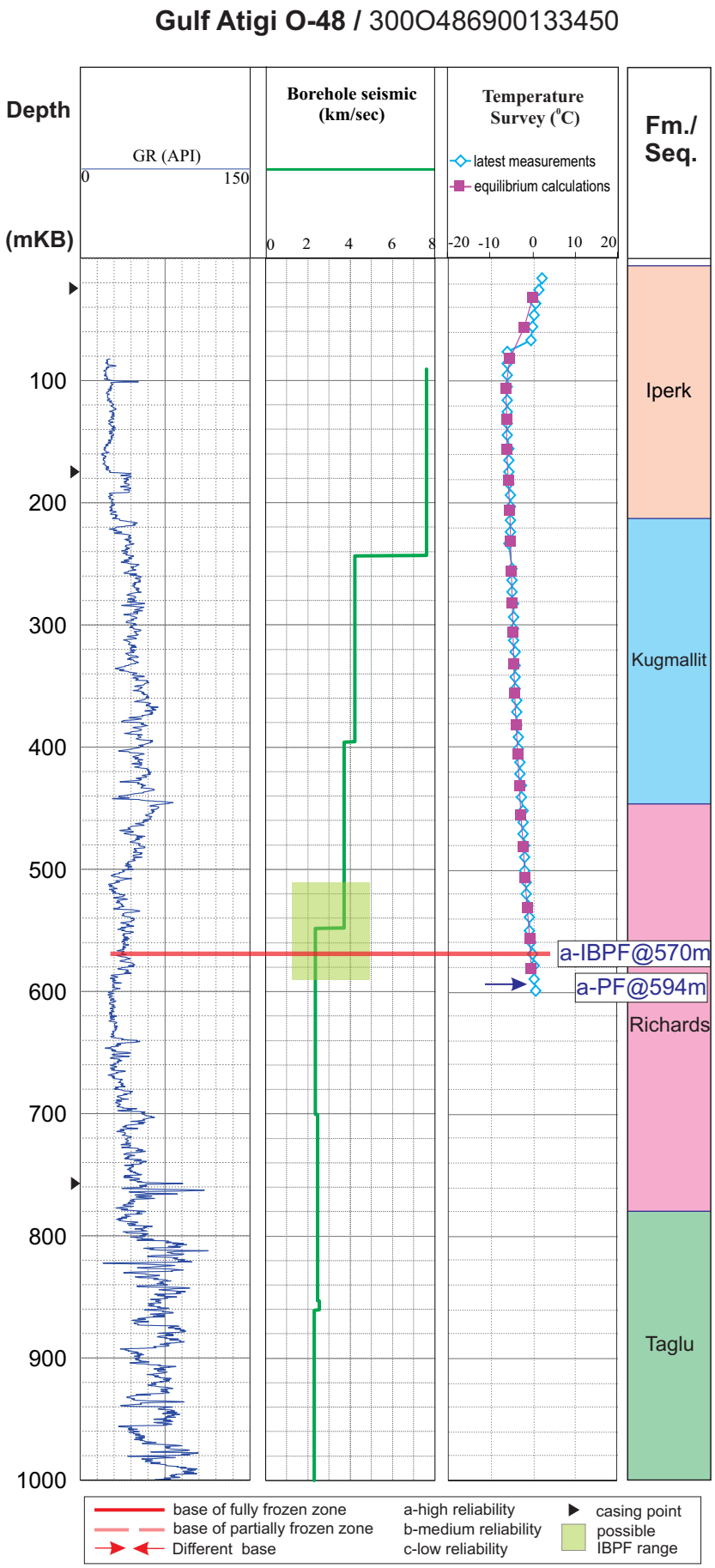

Figure 39. Determination of base of permafrost using well seismic survey and temperature survey for the Atigi O-48 well in the Beaufort-Mackenzie Basin.

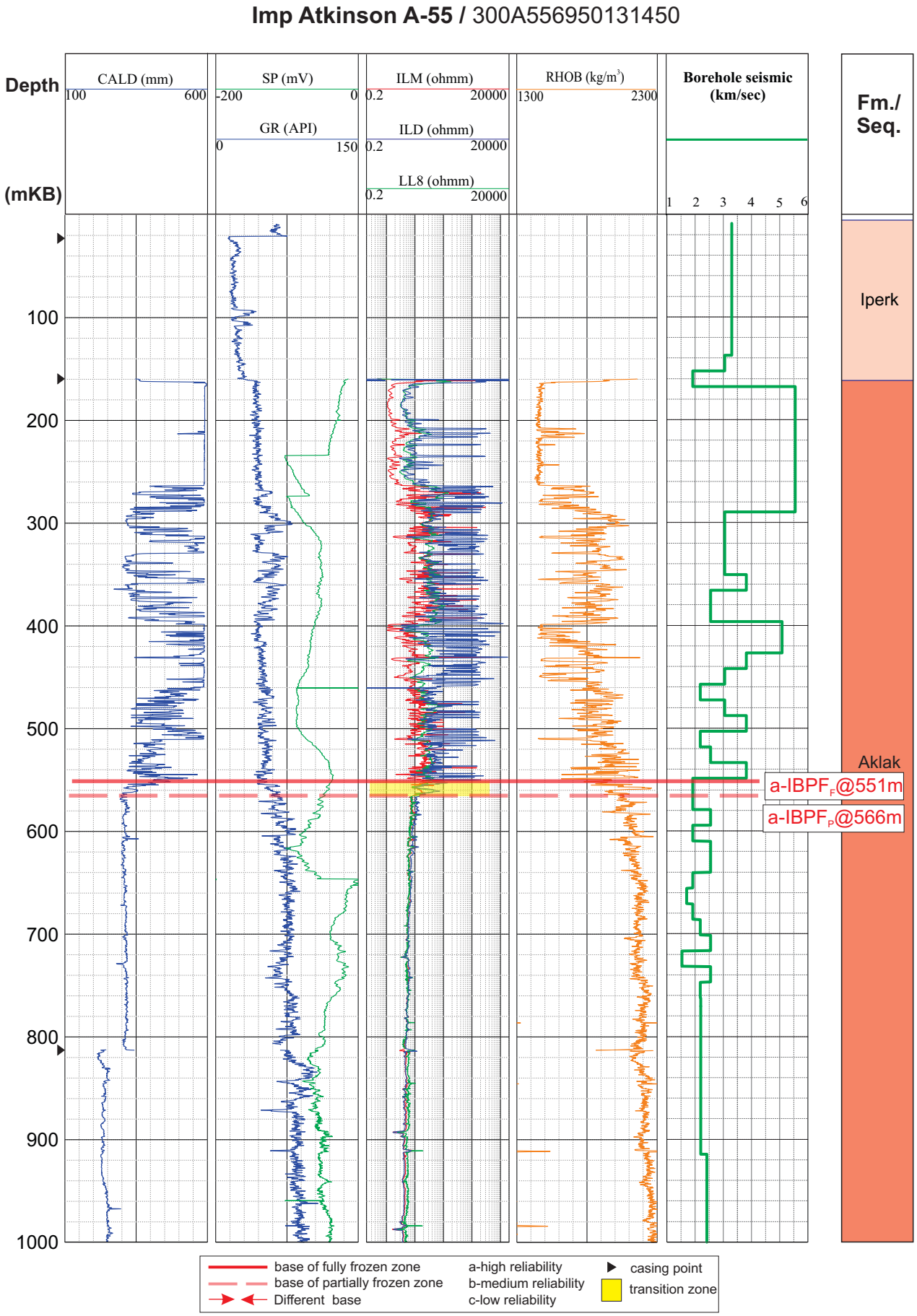

Figure 40. Determination of base of permafrost using geophysical logs and well seismic survey for the Atkinson A-55 well in the Beaufort-Mackenzie Basin.

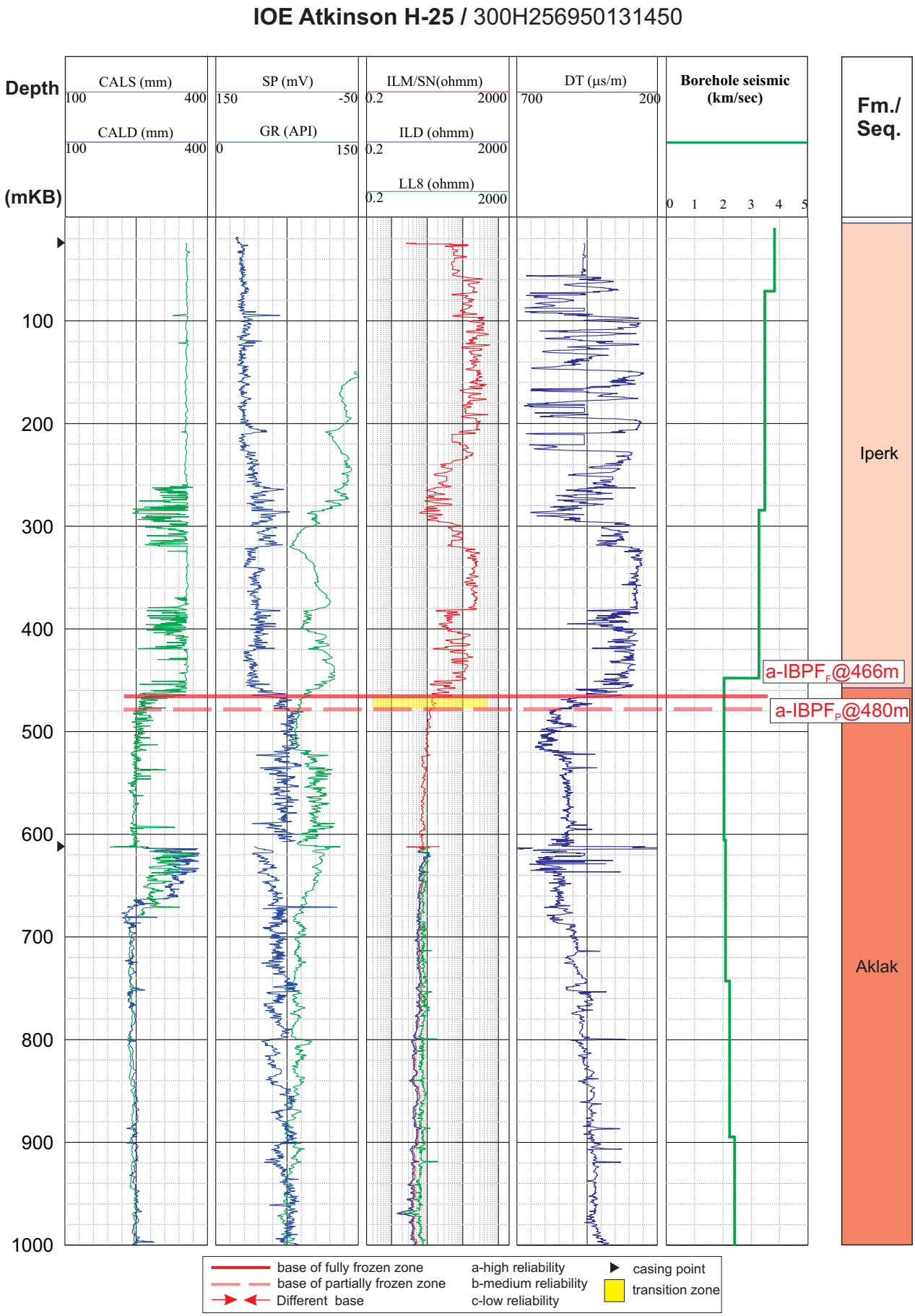

Figure 41. Determination of base of permafrost using geophysical logs and well seismic survey for the Atkinson H-25 well in the Beaufort-Mackenzie Basin.

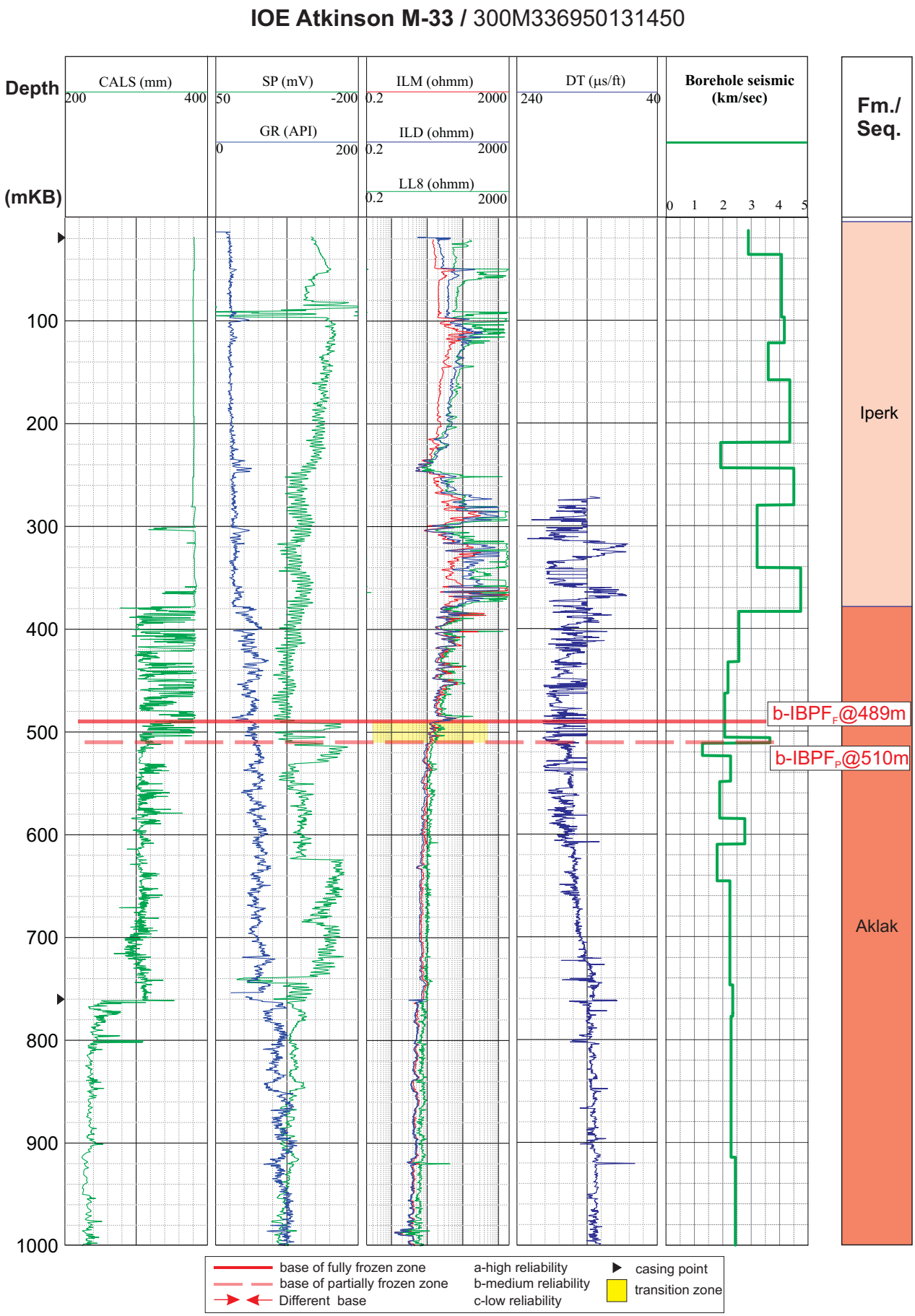

Figure 42. Determination of base of permafrost using geophysical logs and well seismic survey for the Atkinson M-33 well in the Beaufort-Mackenzie Basin.

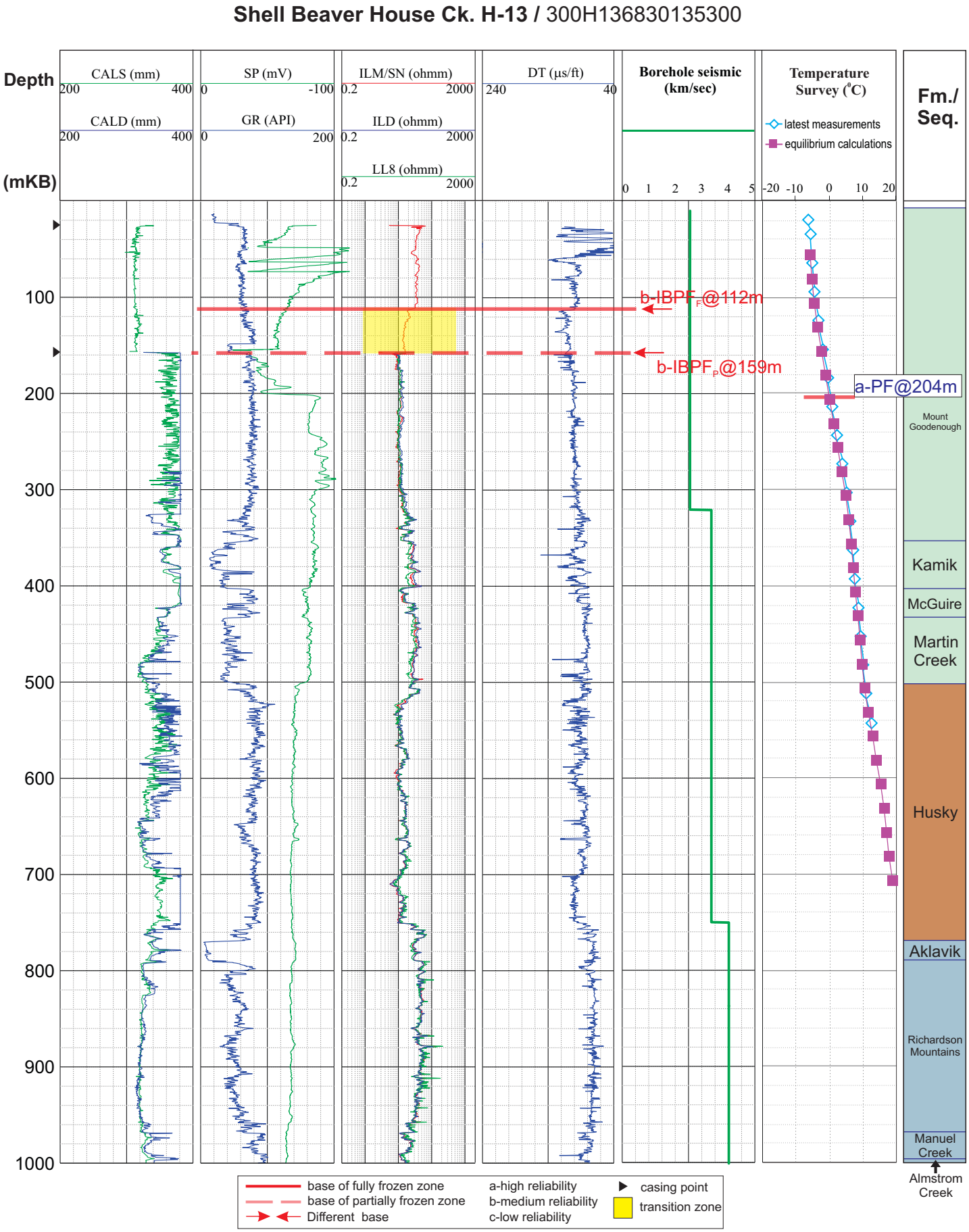

Figure 43. Determination of base of permafrost using temperature survey, geophysical logs and well seismic survey for the Beaver House Creek H-13 well in the Beaufort-Mackenzie Basin.

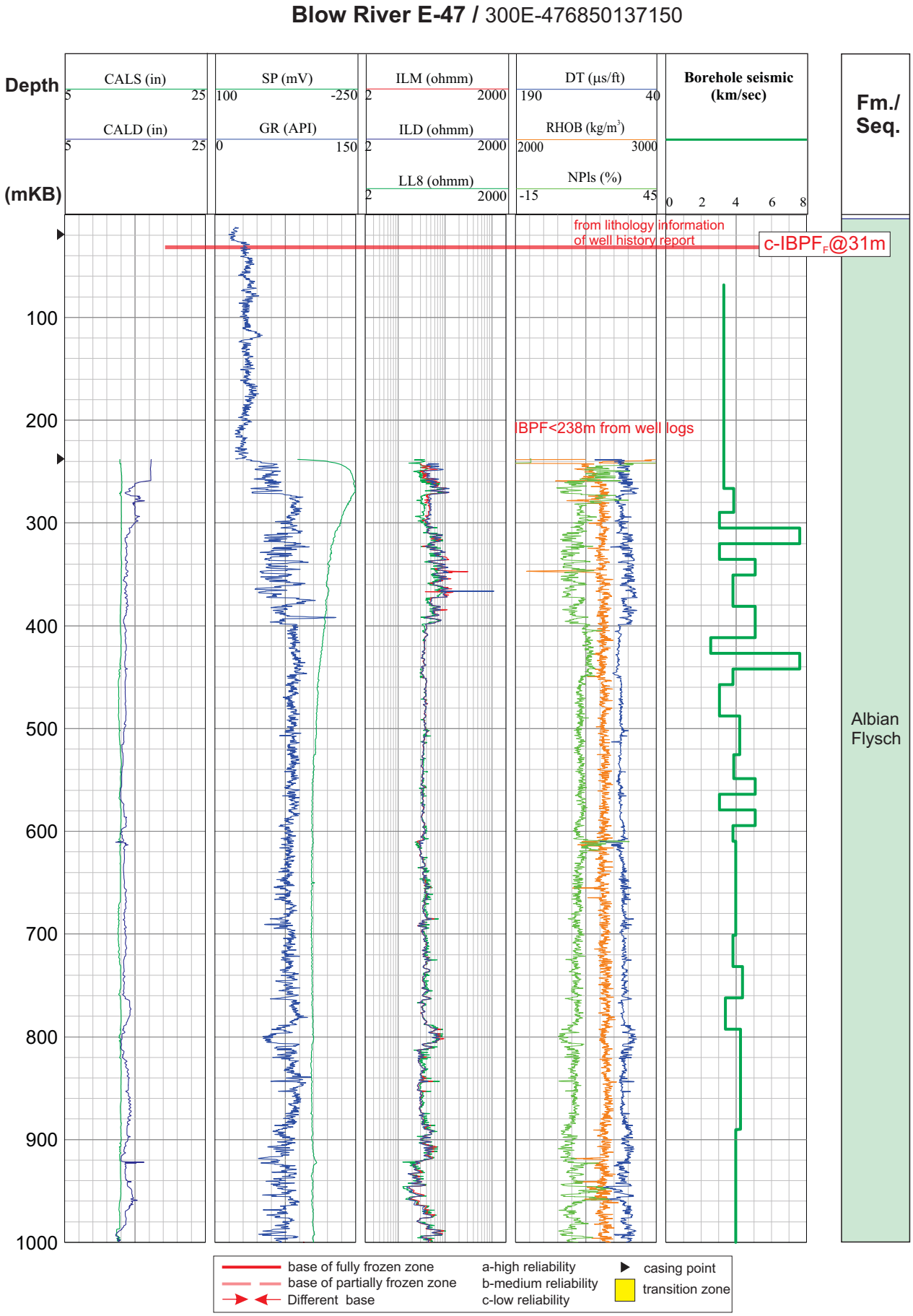

Figure 44. Log suite for the shallow interval of the Blow River Yt. E-47 well in the Beaufort-Mackenzie Basin, the possible fully frozen base of permafrost is mainly from lithology information from well history report.

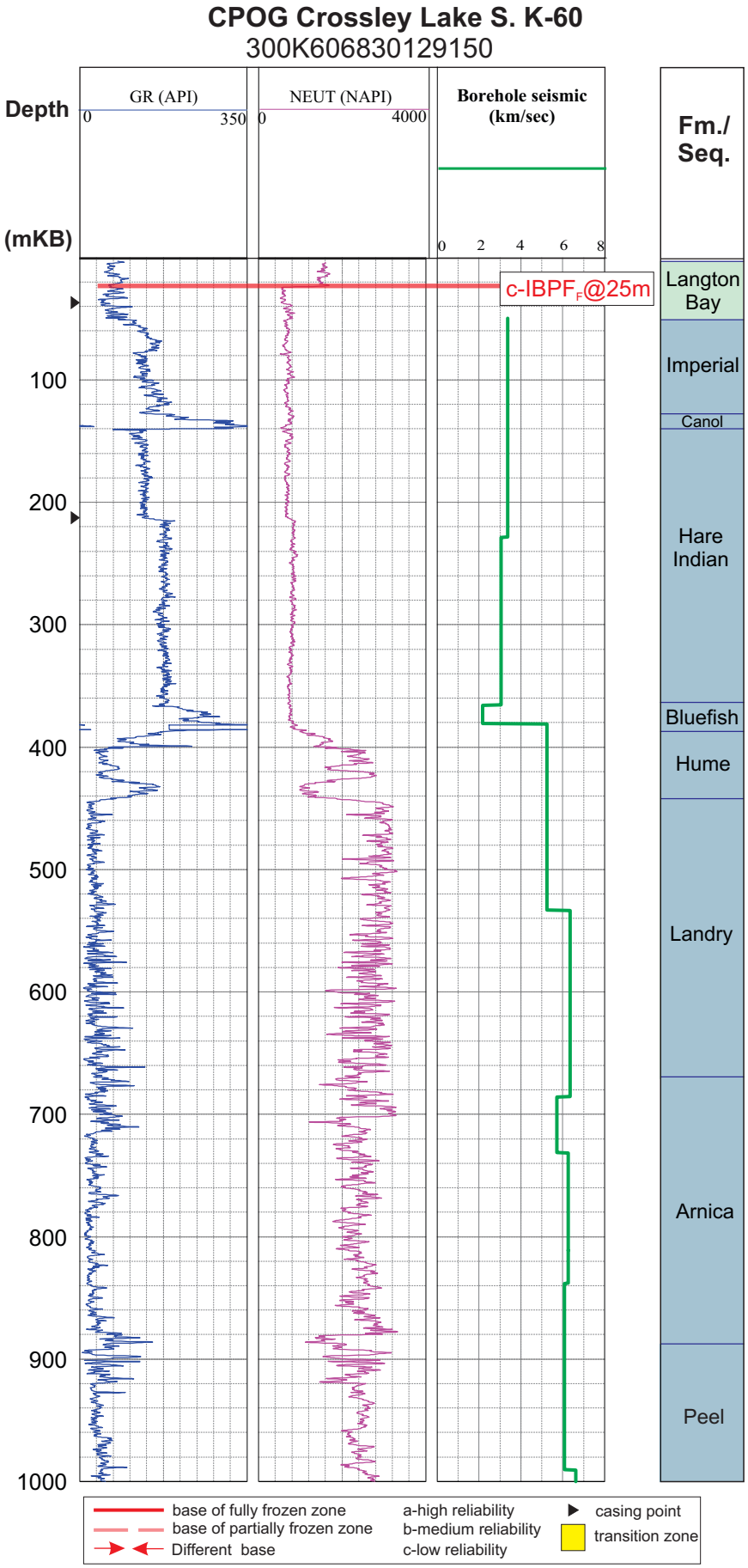

Figure 45. Determination of base of permafrost using geophysical logs and well seismic survey, as well as lithology information from well history report for the Crossley Lake S. K-60 well in the Beaufort-Mackenzie Basin.

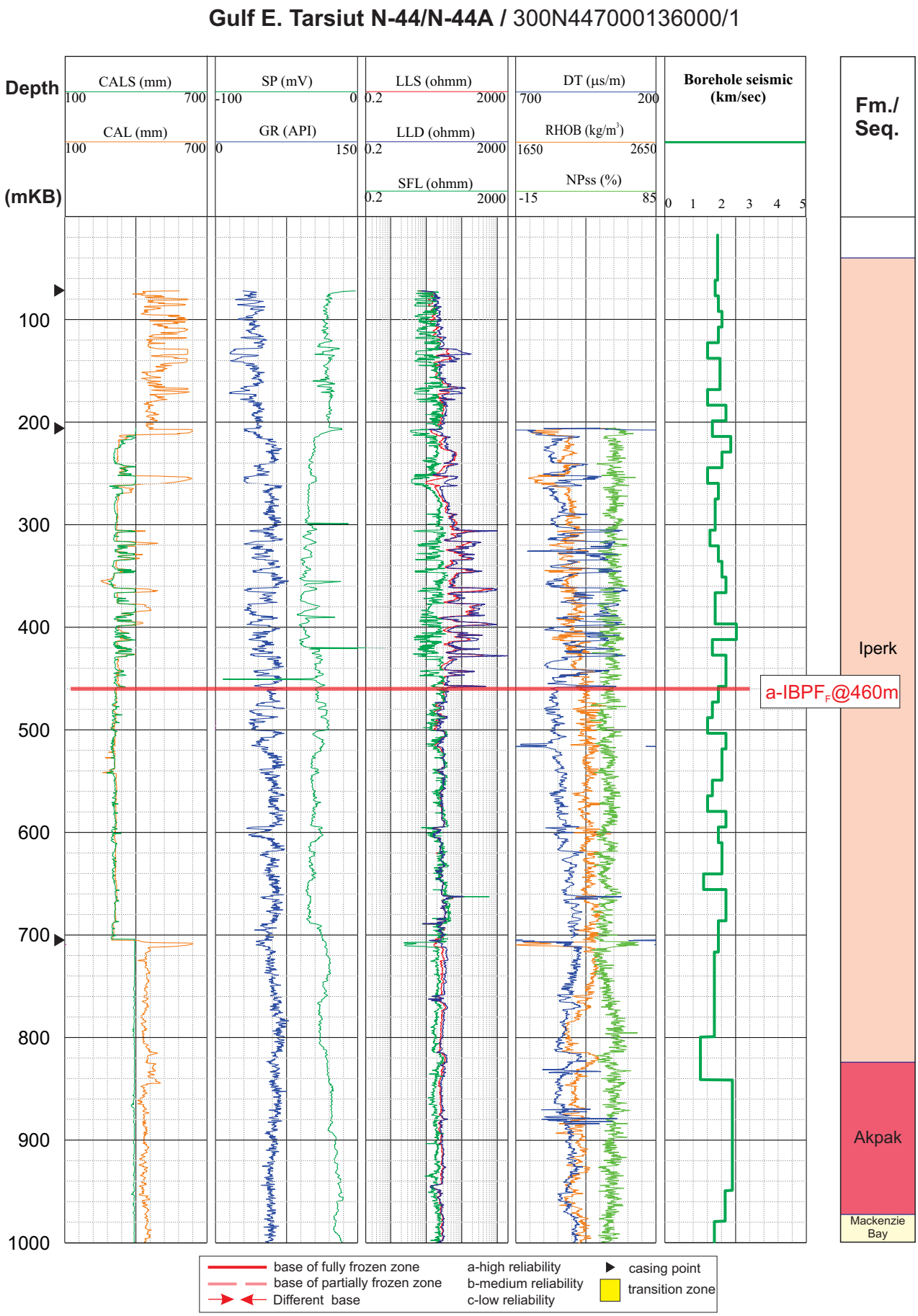

Figure 46. Determination of base of permafrost using geophysical logs and well seismic survey for the East Tarsiut N-44/N-44A wells in the Beaufort-Mackenzie Basin.

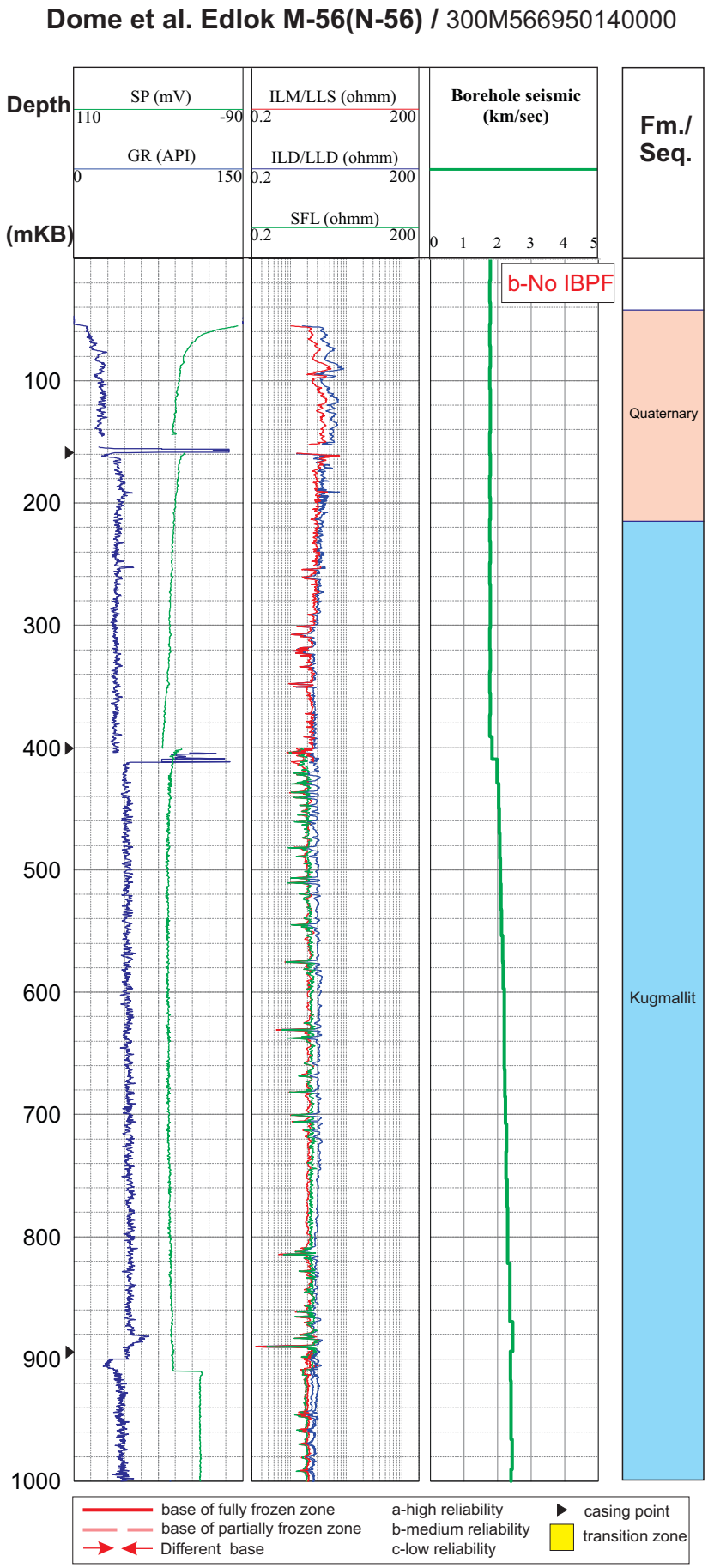

Figure 47. No permafrost exists from geophysical logs and well seismic survey for the Edlok M-56 well in the Beaufort-Mackenzie Basin.

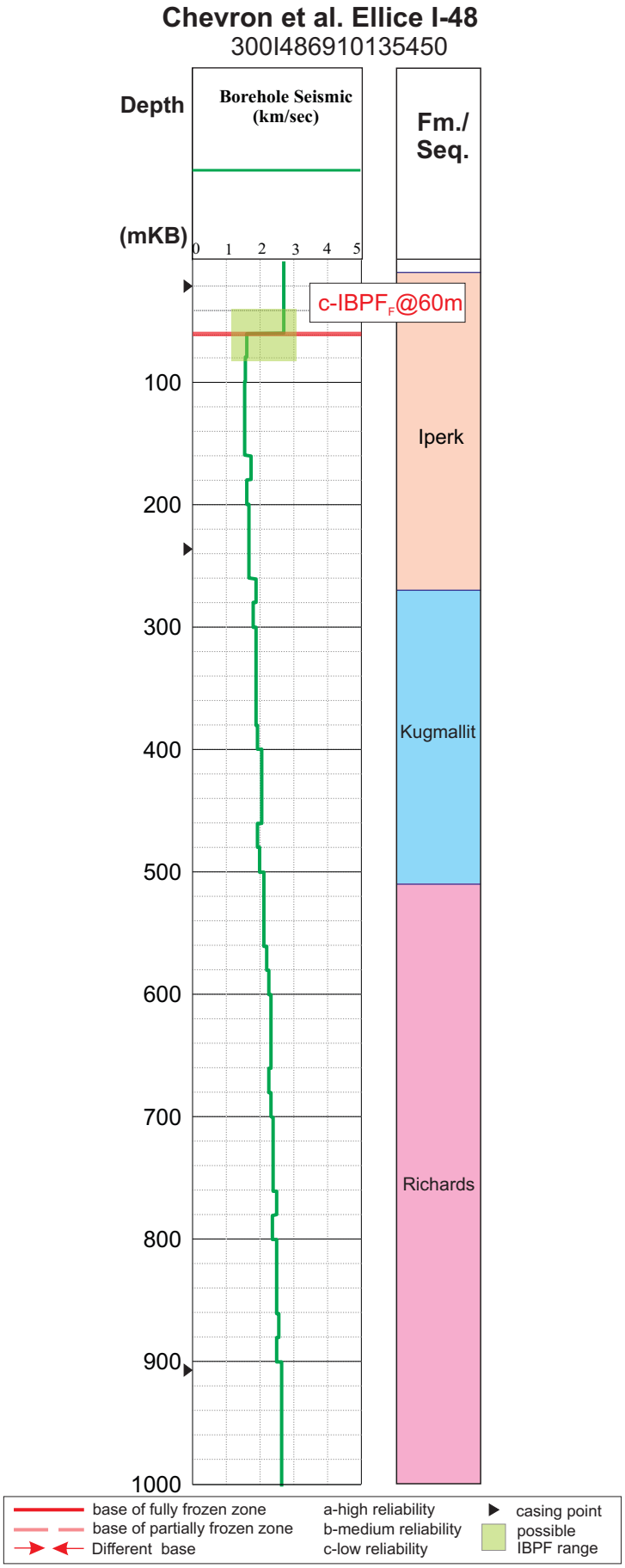

Figure 48. Determination of base of permafrost using well seismic survey for the Ellice I-48 well in the Beaufort-Mackenzie Basin.

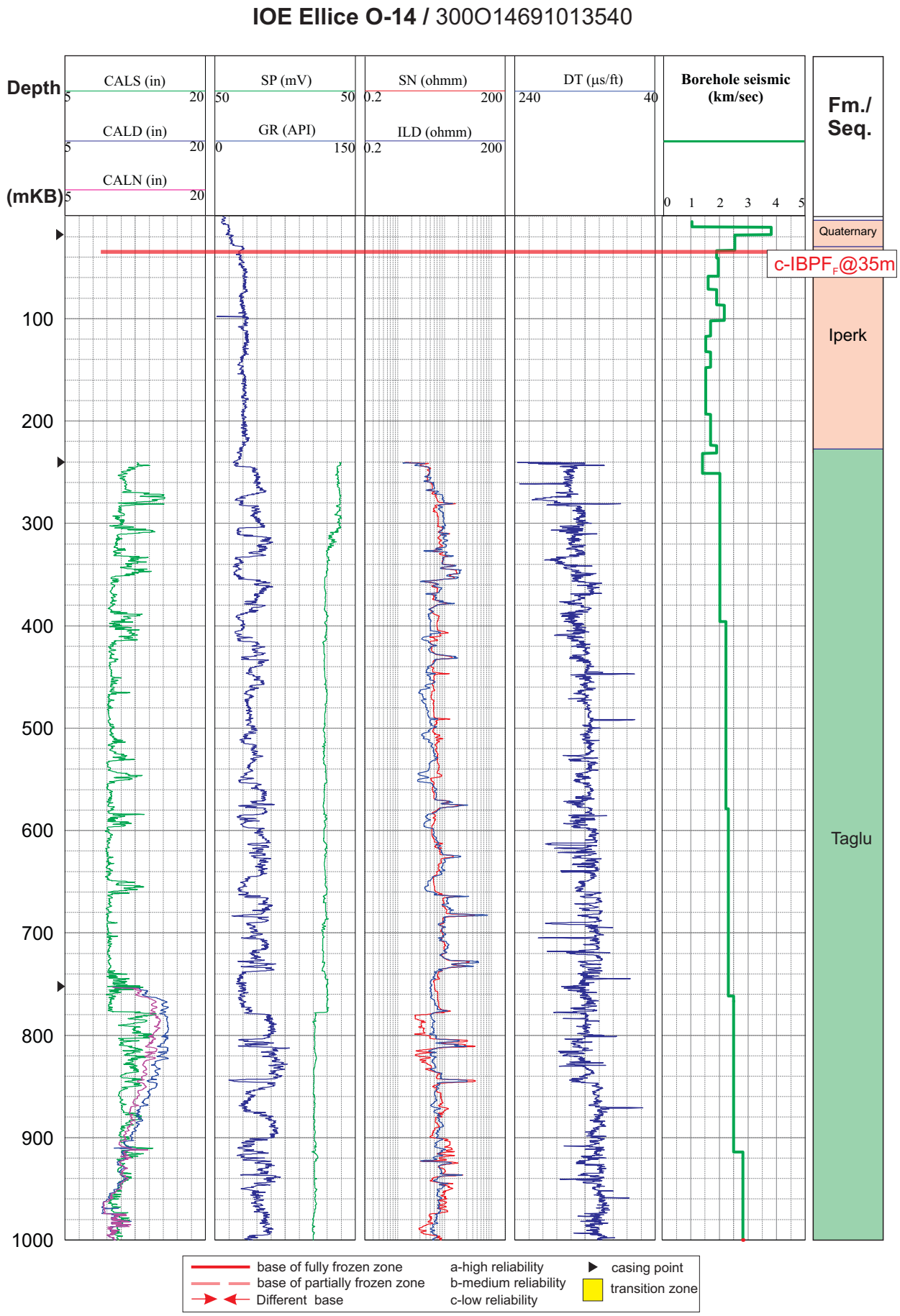

Figure 49. Determination of base of permafrost using geophysical logs and well seismic survey for the Ellice O-14 well in the Beaufort-Mackenzie Basin.

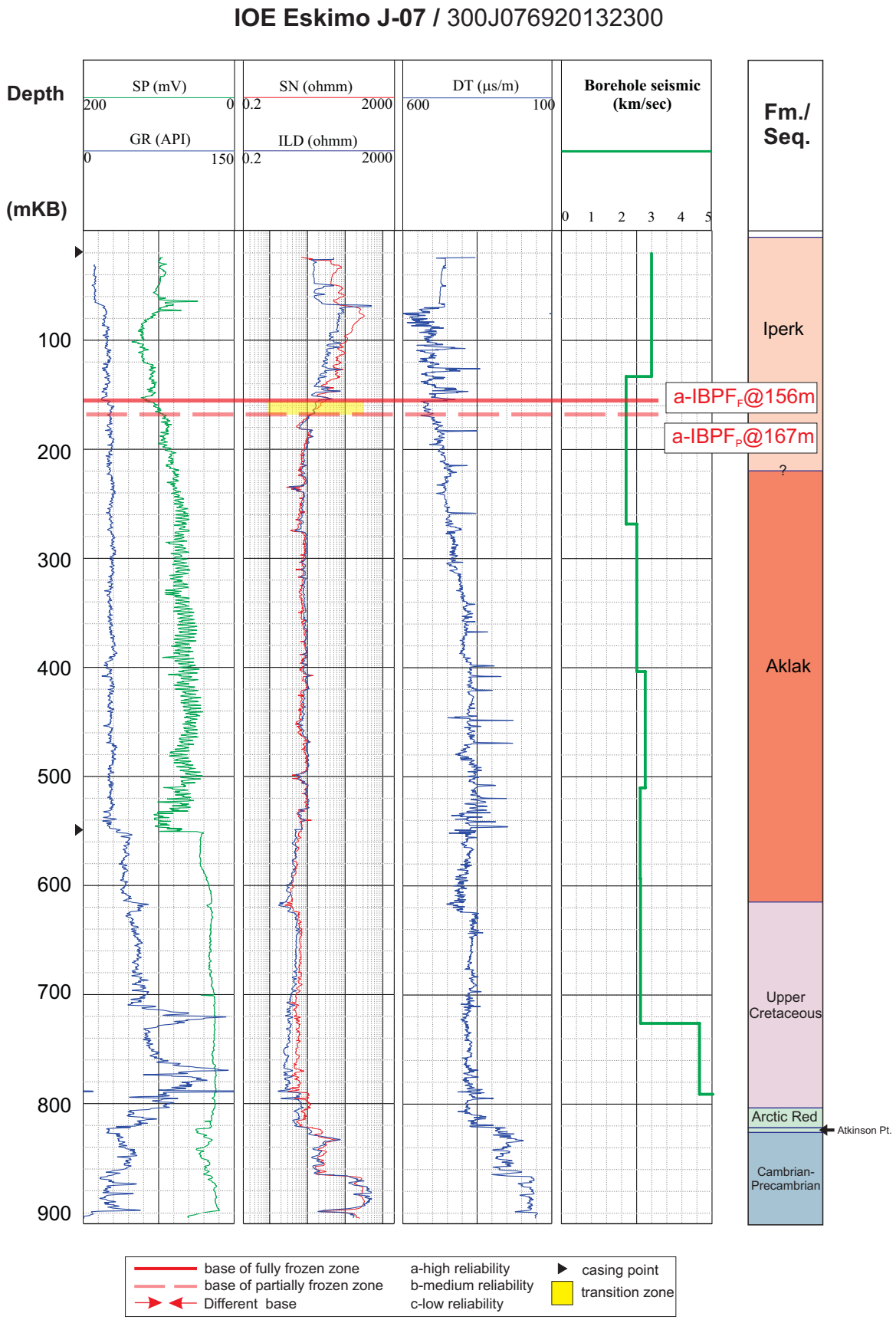

Figure 50. Determination of base of permafrost using geophysical logs and well seismic survey for the Eskimo J-07 well in the Beaufort-Mackenzie Basin.

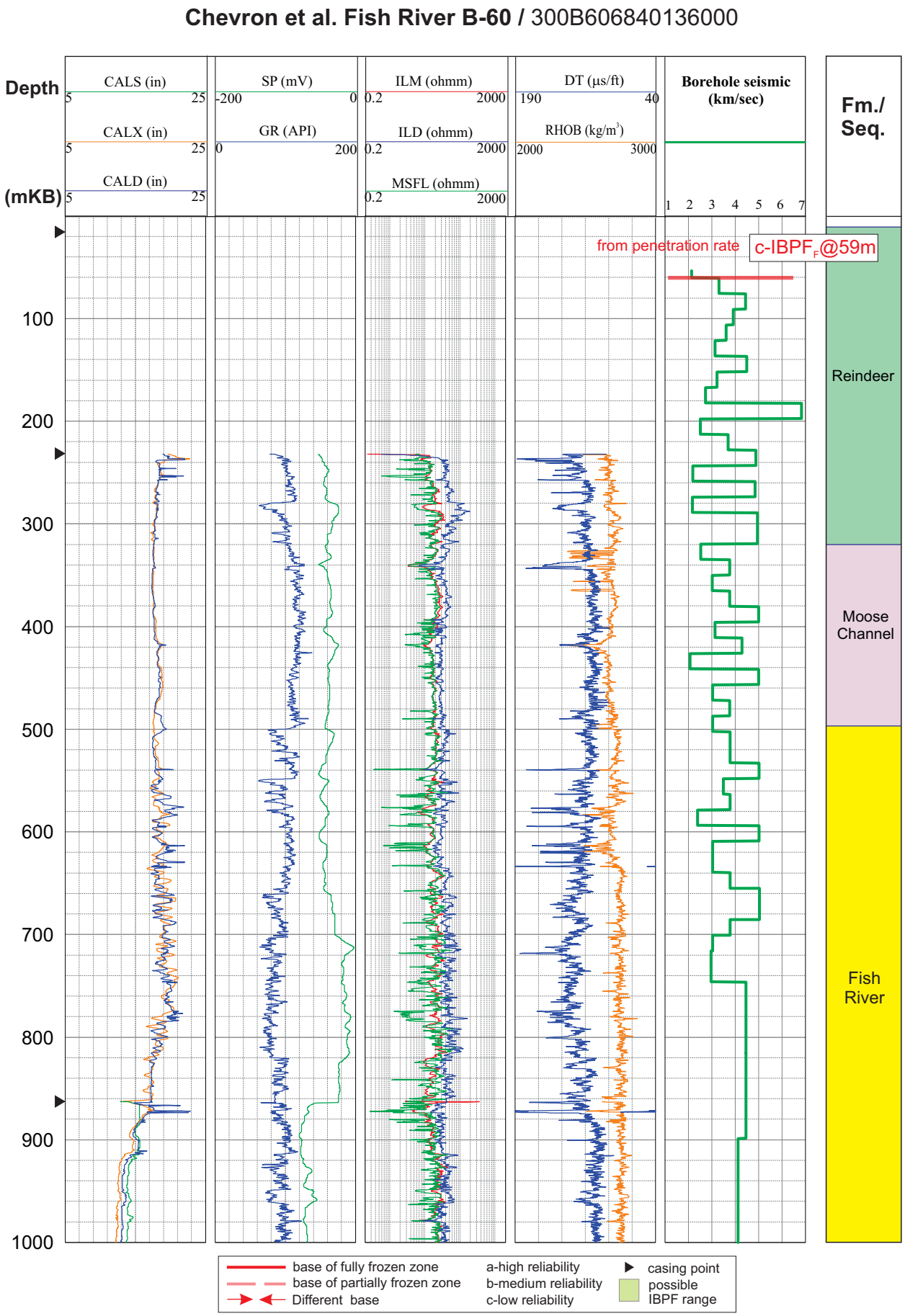

Figure 51. Log suite and well seismic survey for shallow interval (≤1000m) for the Fish River B-60 well in the Beaufort-Mackenzie Basin. The base of permafrost is mainly from penetration rate of well history report.

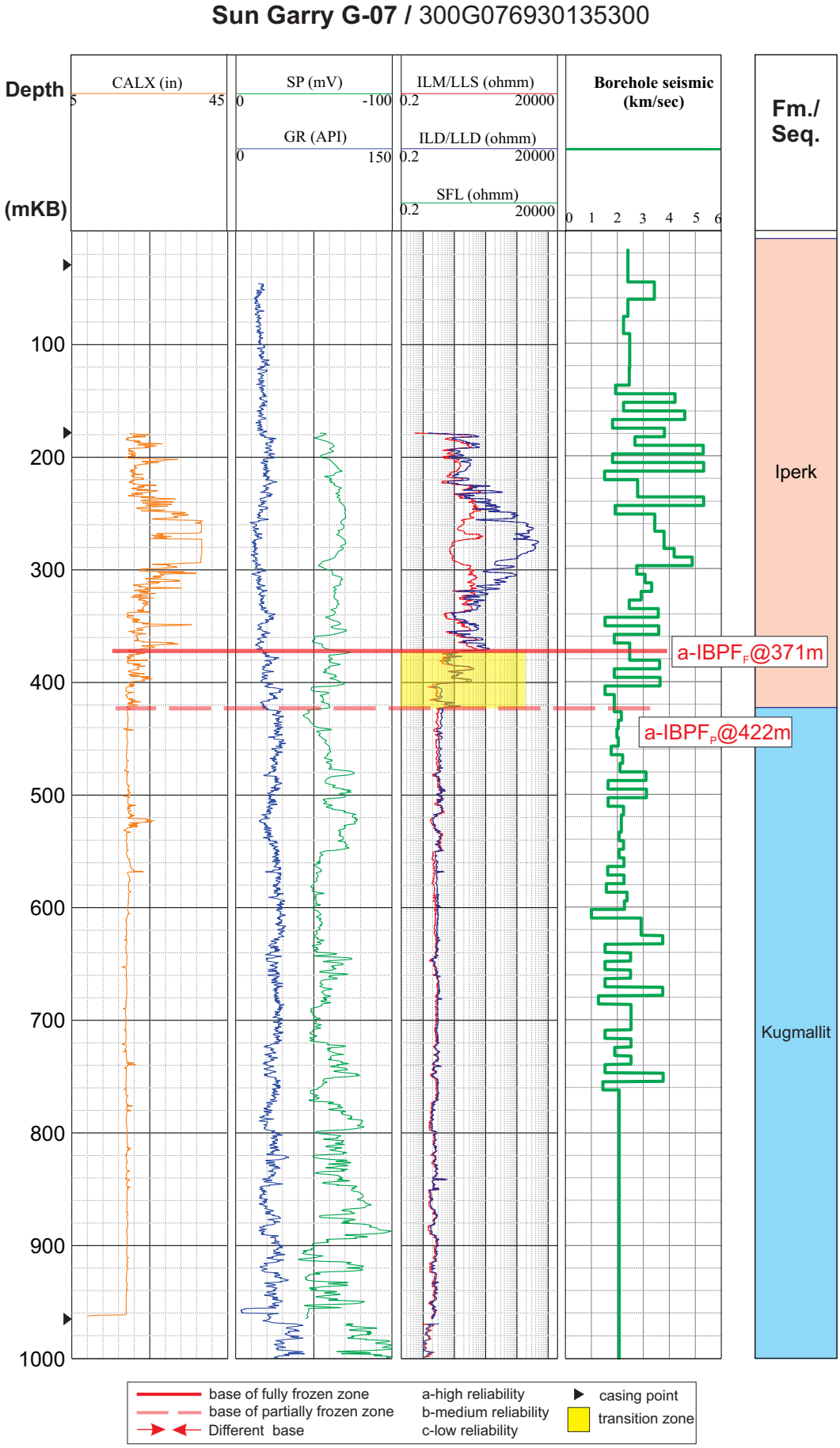

Figure 52. Determination of base of permafrost using geophysical logs and well seismic survey for the Garry G-07 well in the Beaufort-Mackenzie Basin.

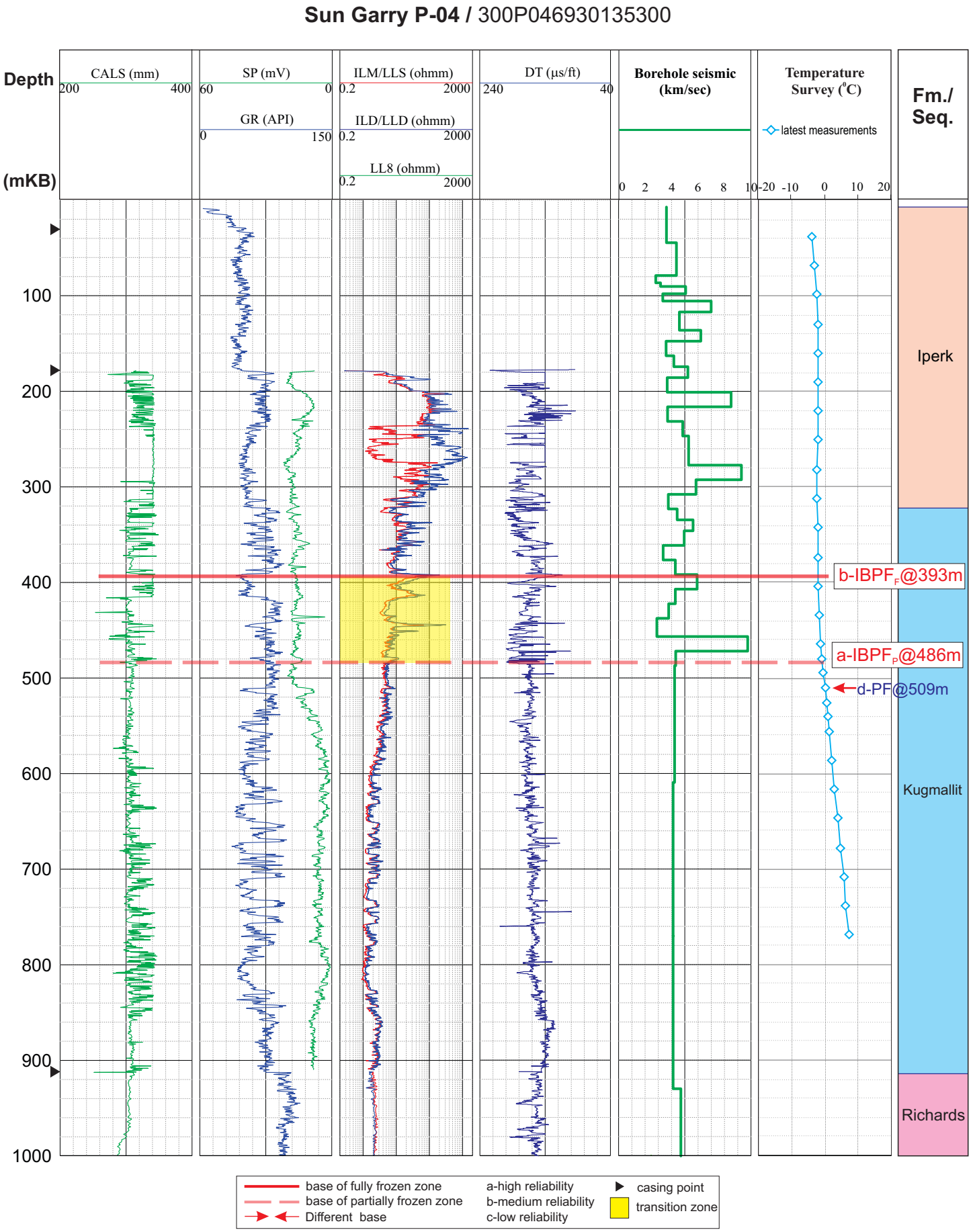

Figure 53. Determination of base of permafrost using geophysical logs, well seismic survey and temperature survey for the Garry P-04 well in the Beaufort-Mackenzie Basin.

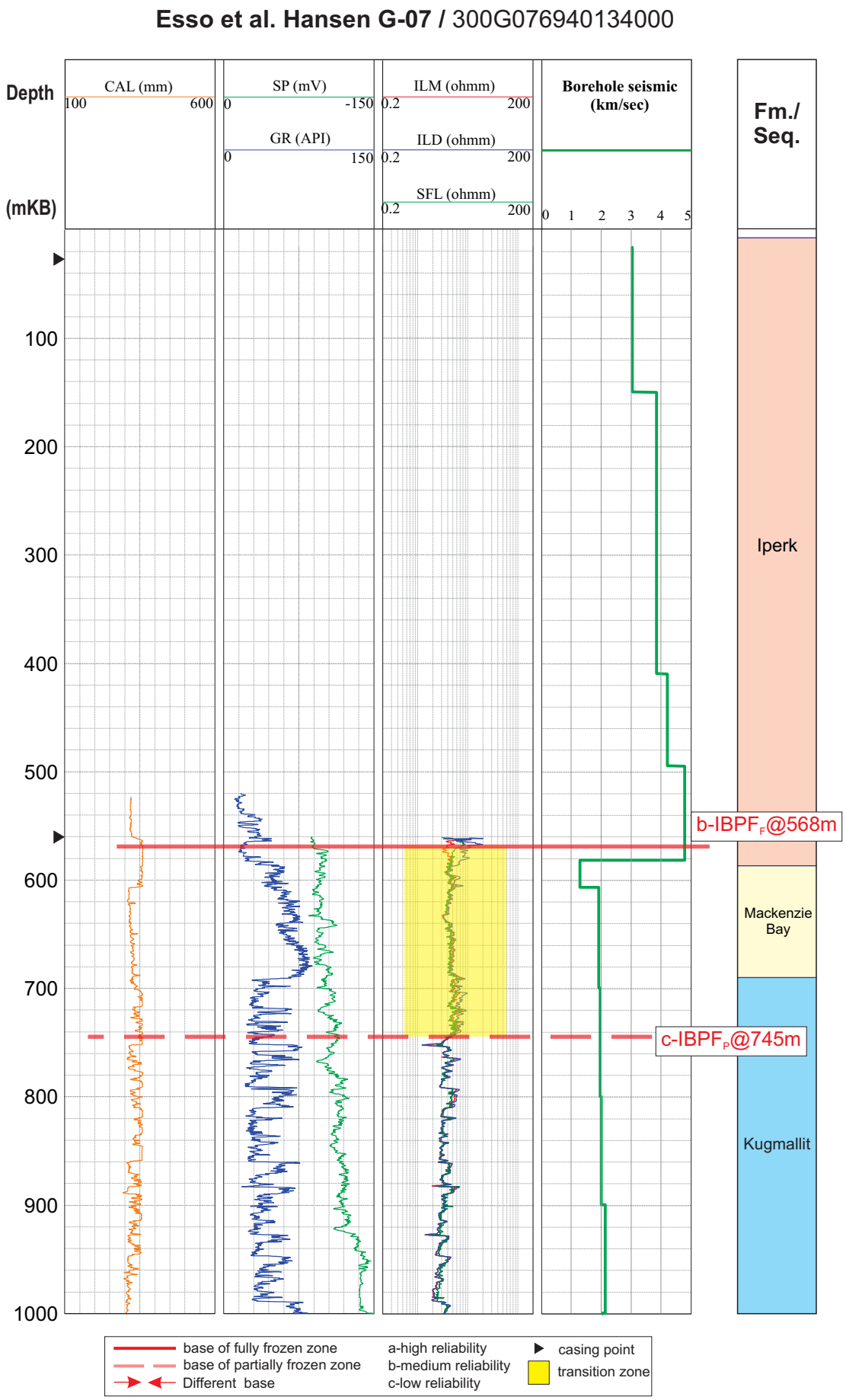

Figure 54. Determination of base of permafrost using geophysical logs and well seismic survey for the Hansen G-07 well in the Beaufort-Mackenzie Basin.

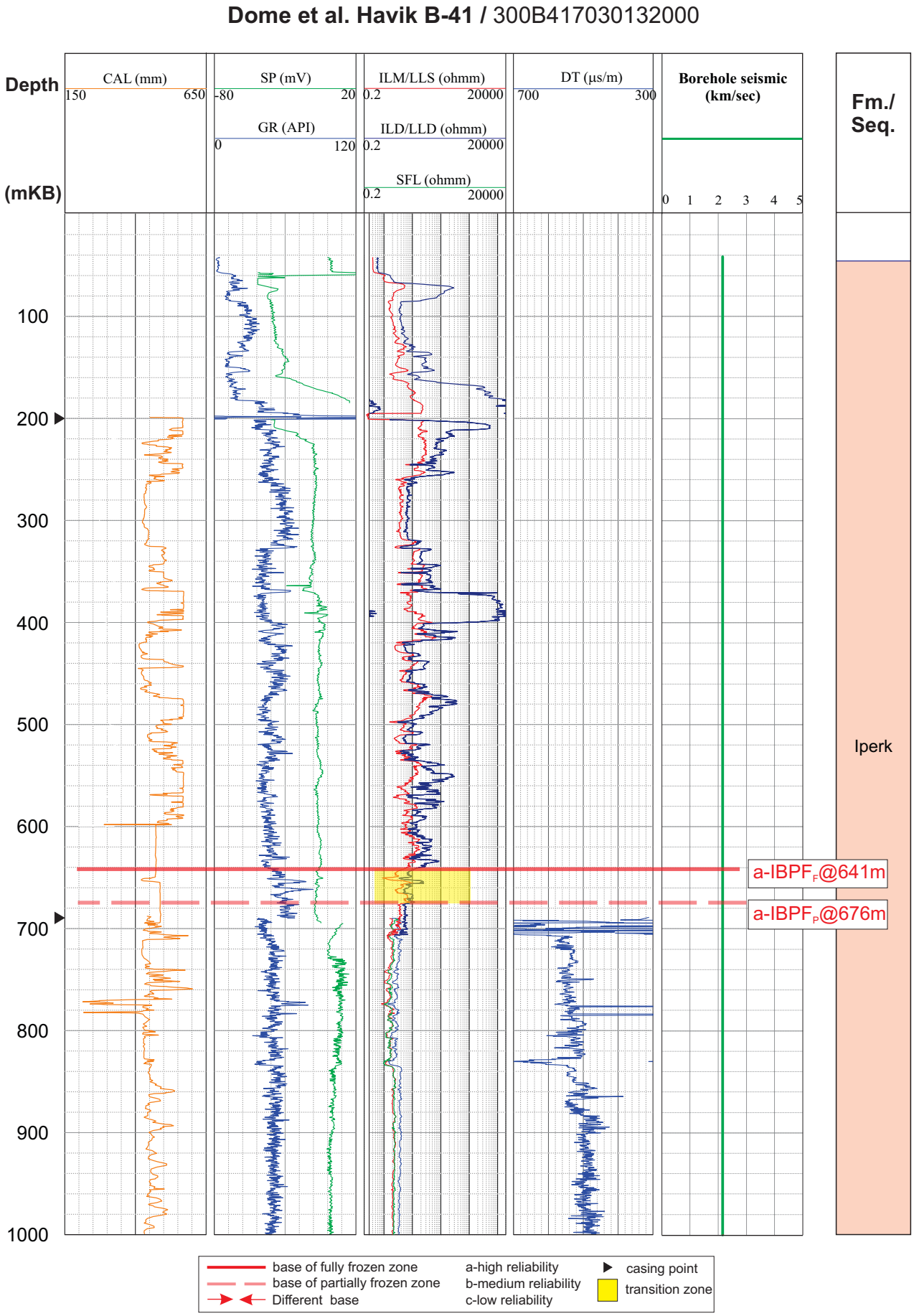

Figure 55. Determination of base of permafrost using geophysical logs and well seismic survey for the Havik B-41 well in the Beaufort-Mackenzie Basin.

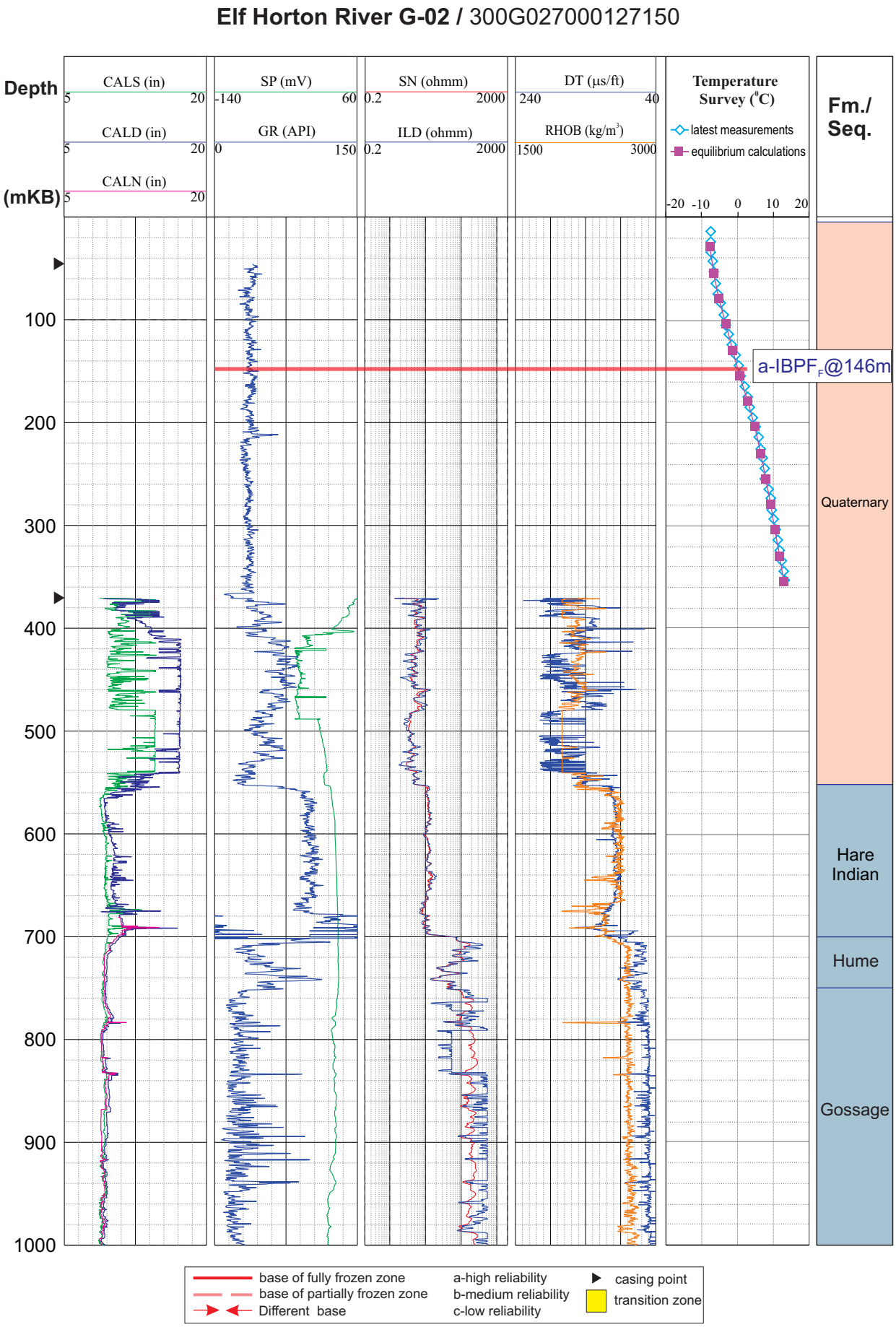

Figure 56. Determination of base of permafrost using geophysical logs and temperature survey for the Horton River G-02 well in the Beaufort-Mackenzie Basin.

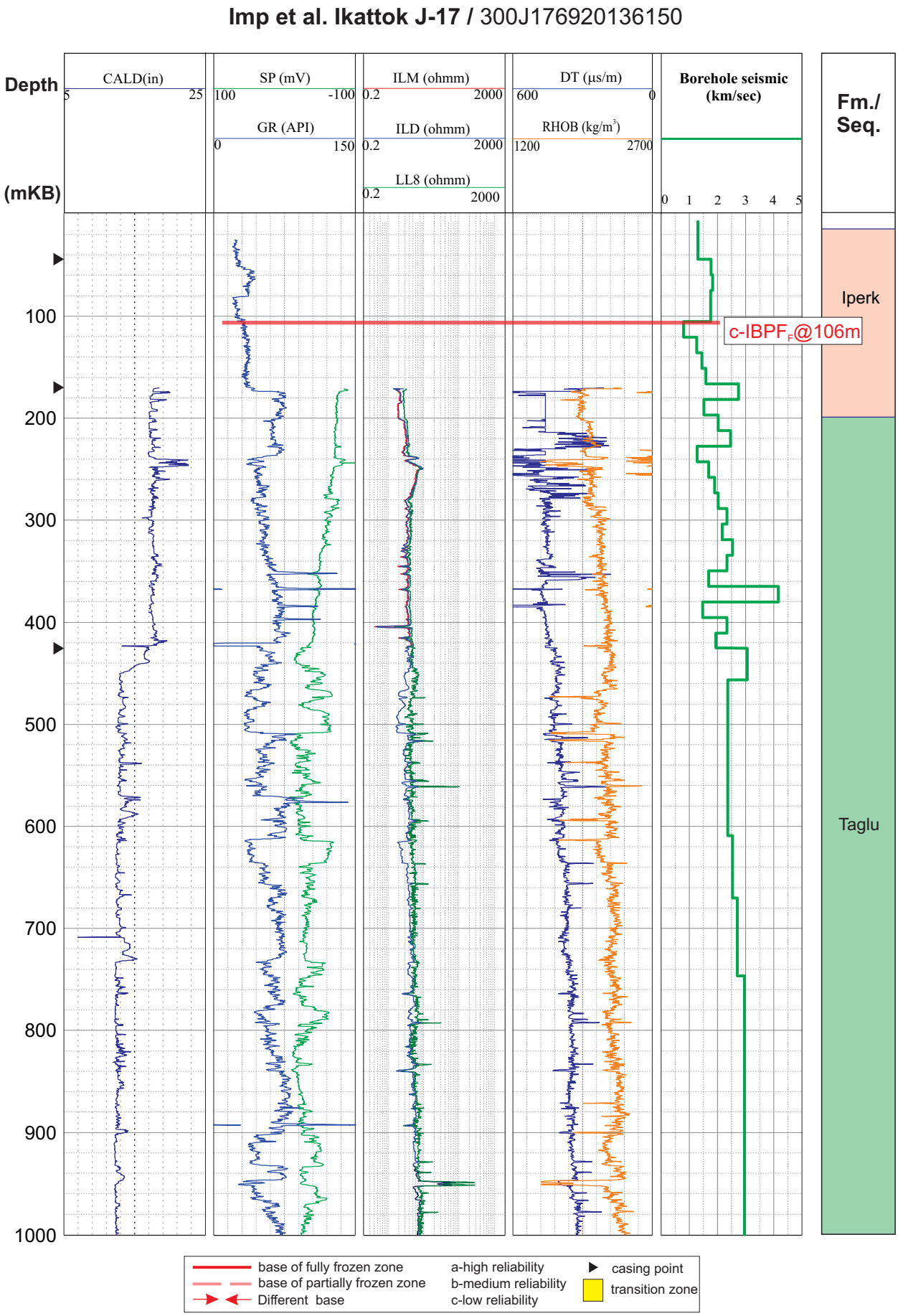

Figure 57. Determination of base of permafrost using geophysical logs and well seismic survey for the Ikattok J-17 well in the Beaufort-Mackenzie Basin.

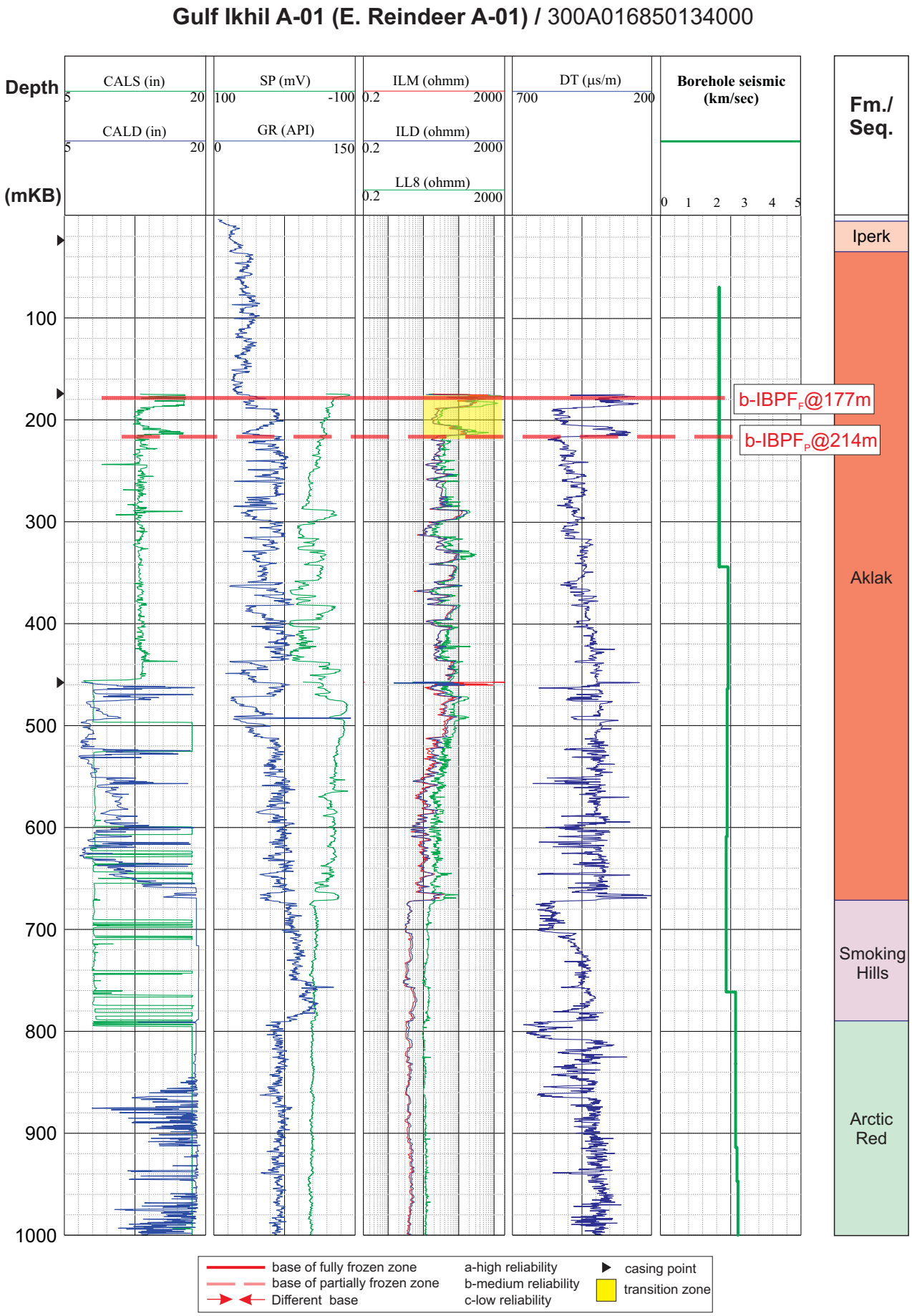

Figure 58. Determination of base of permafrost using geophysical logs and well seismic survey for the Ikhil A-01 well in the Beaufort-Mackenzie Basin.

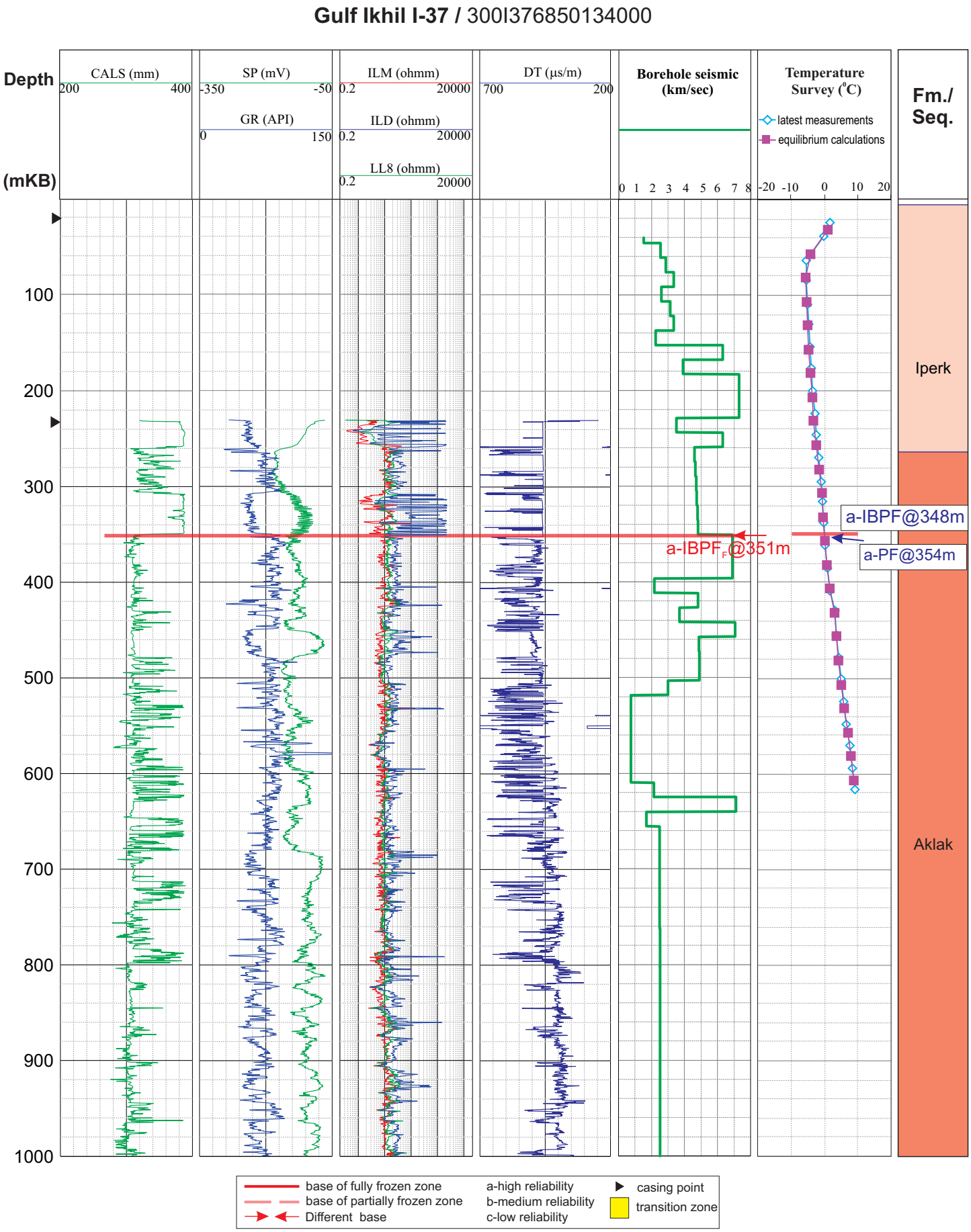

Figure 59. Determination of base of permafrost using geophysical logs, well seismic survey and temperature survey for the Ikhil I-37 well in the Beaufort-Mackenzie Basin.

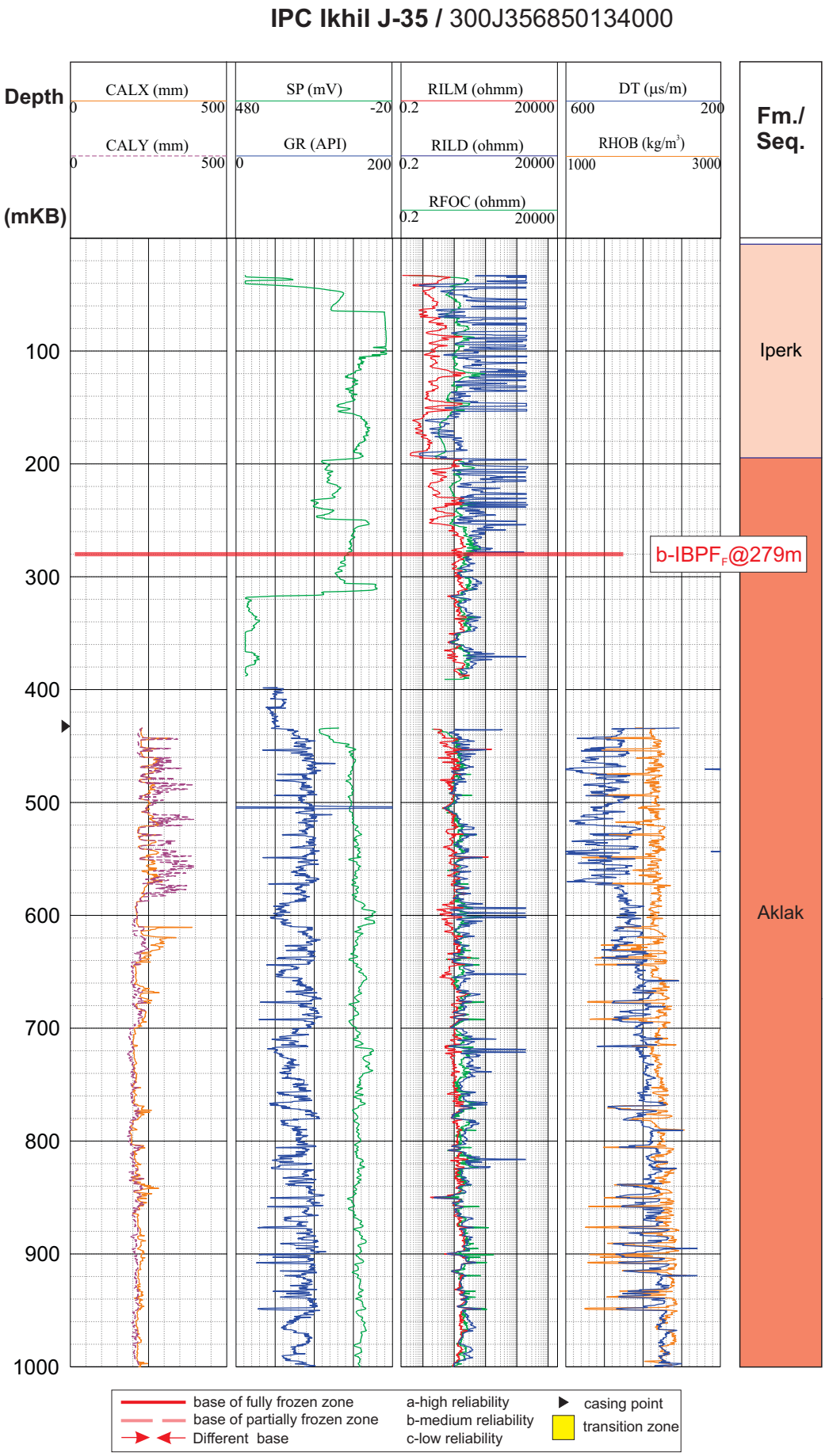

Figure 60. Determination of base of permafrost using geophysical logs for the Ikhil J-35 well in the Beaufort-Mackenzie Basin.

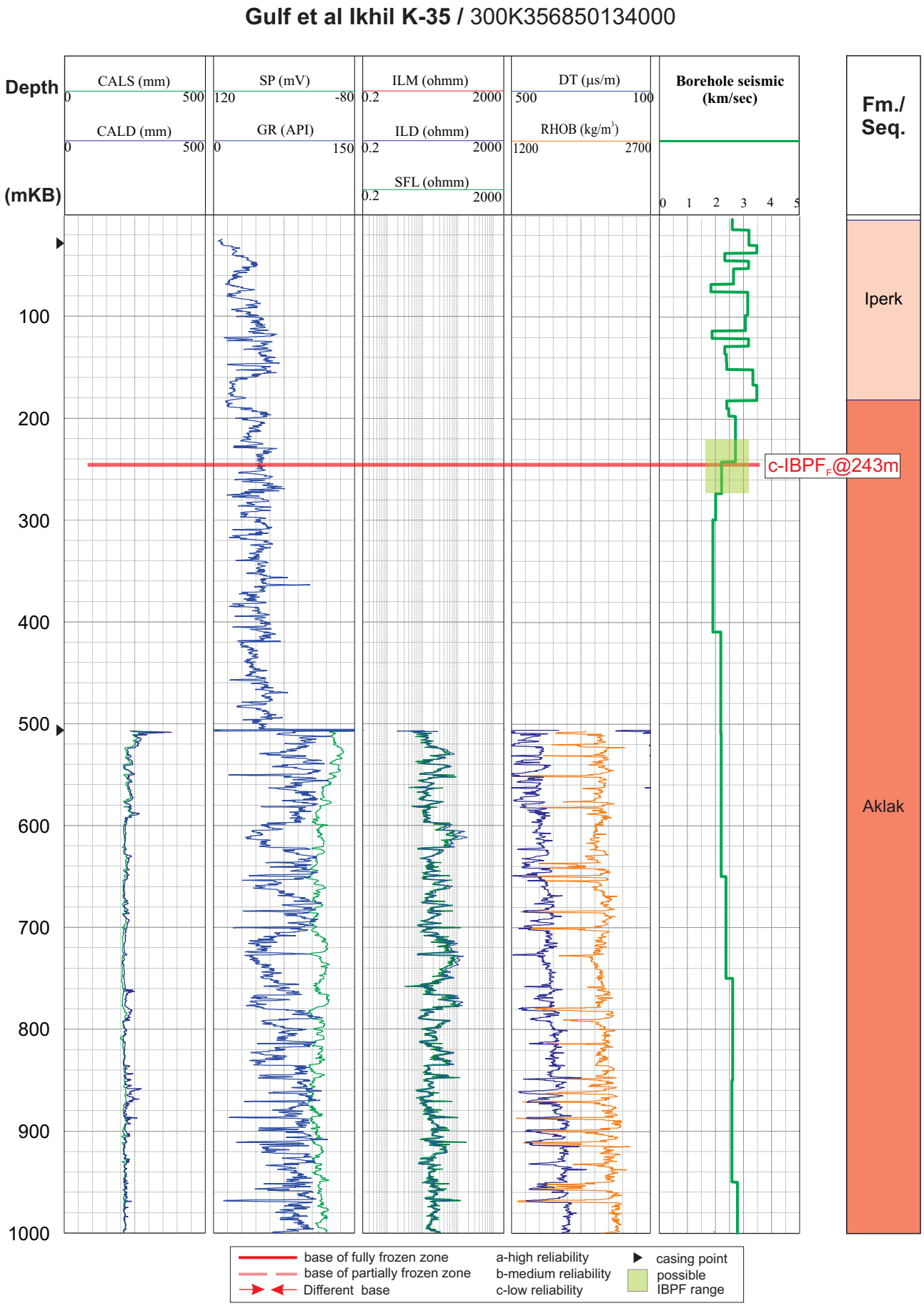

Figure 61. Log suite and well seismic survey for shallow interval (≤1000m) for the Ikhil K-35 well in the Beaufort-Mackenzie Basin. The base of permafrost is determined from well seismic

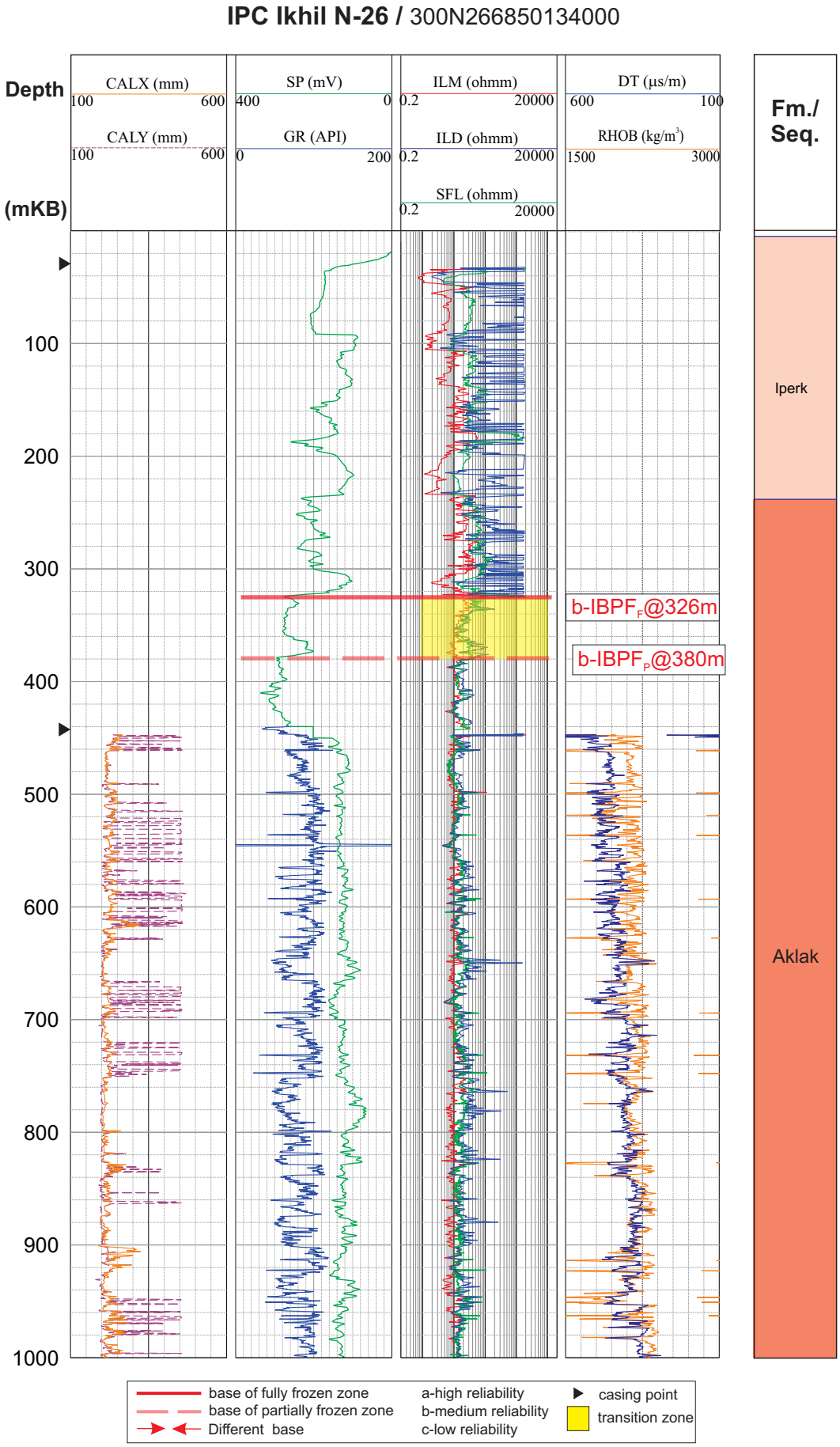

Figure 62. Determination of base of permafrost using geophysical logs for the Ikhil N-26 well in the Beaufort-Mackenzie Basin.

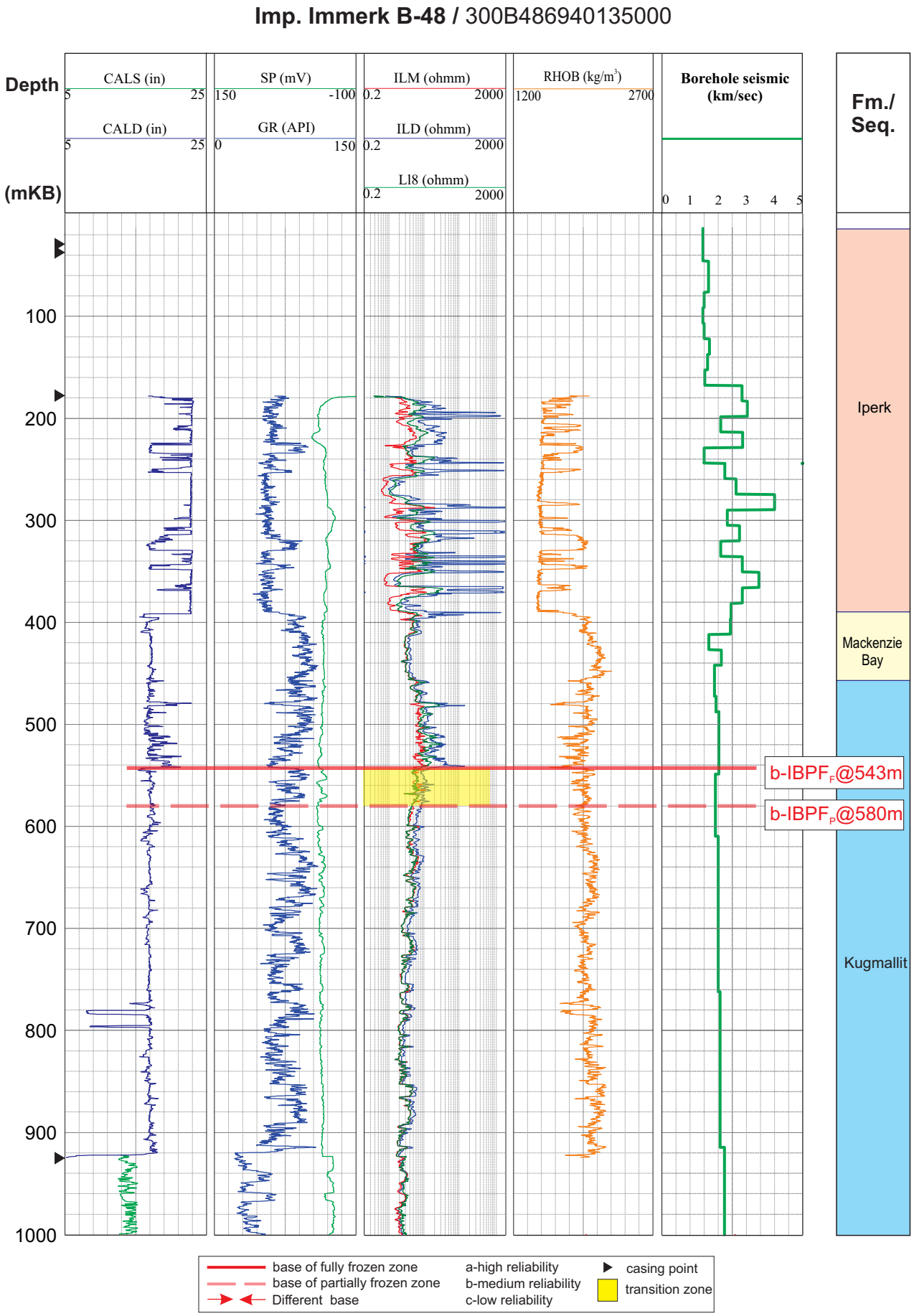

Figure 63. Determination of base of permafrost using geophysical logs and well seismic survey for the Immerk B-48 well in the Beaufort-Mackenzie Basin.

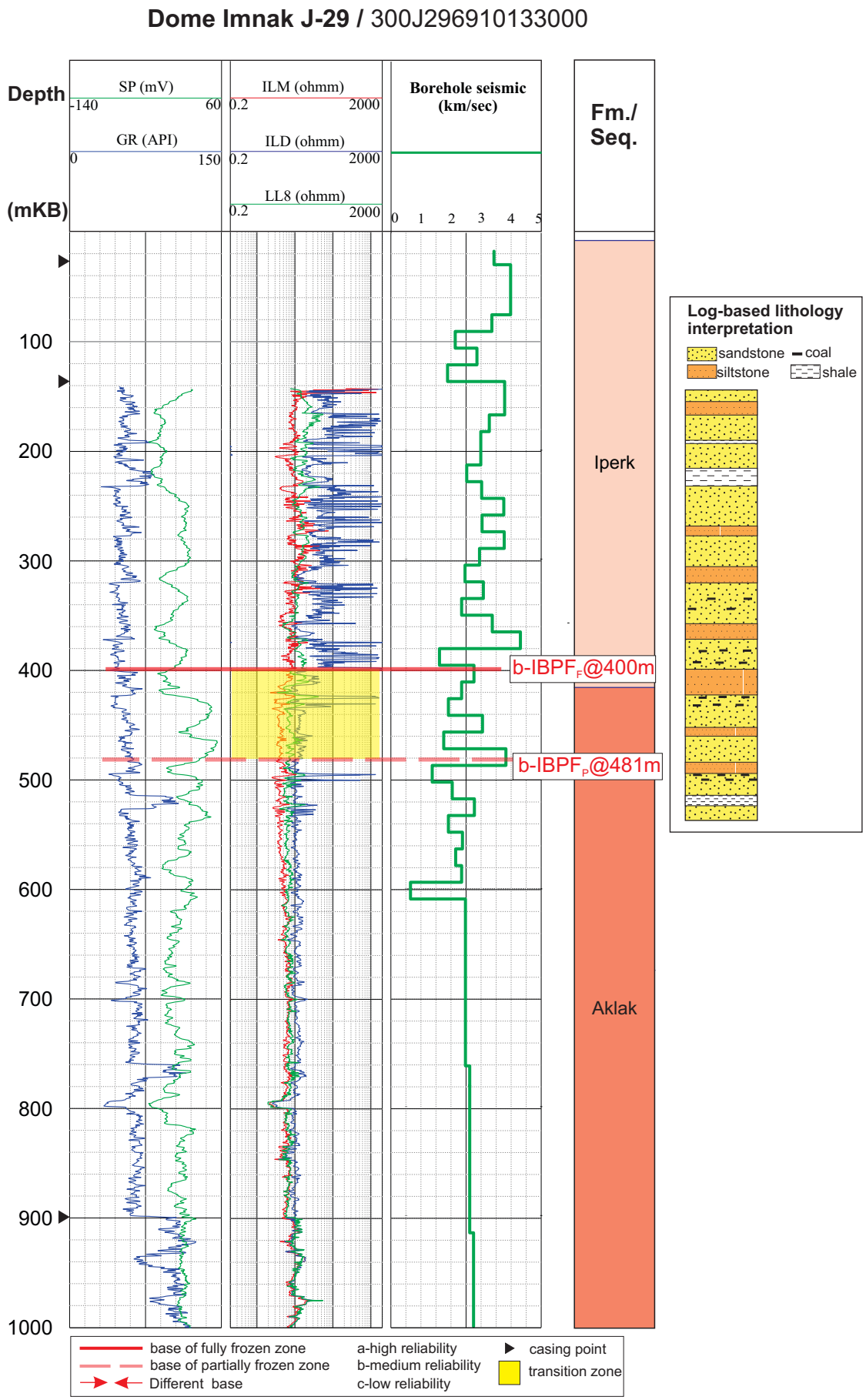

Figure 64. Determination of base of permafrost using geophysical logs and well seismic survey for the Imnak J-29 well in the Beaufort-Mackenzie Basin. Lithology interpretation is mainly from well logs, and sample description, which helps IBPF determination because coal has high resistivity values.

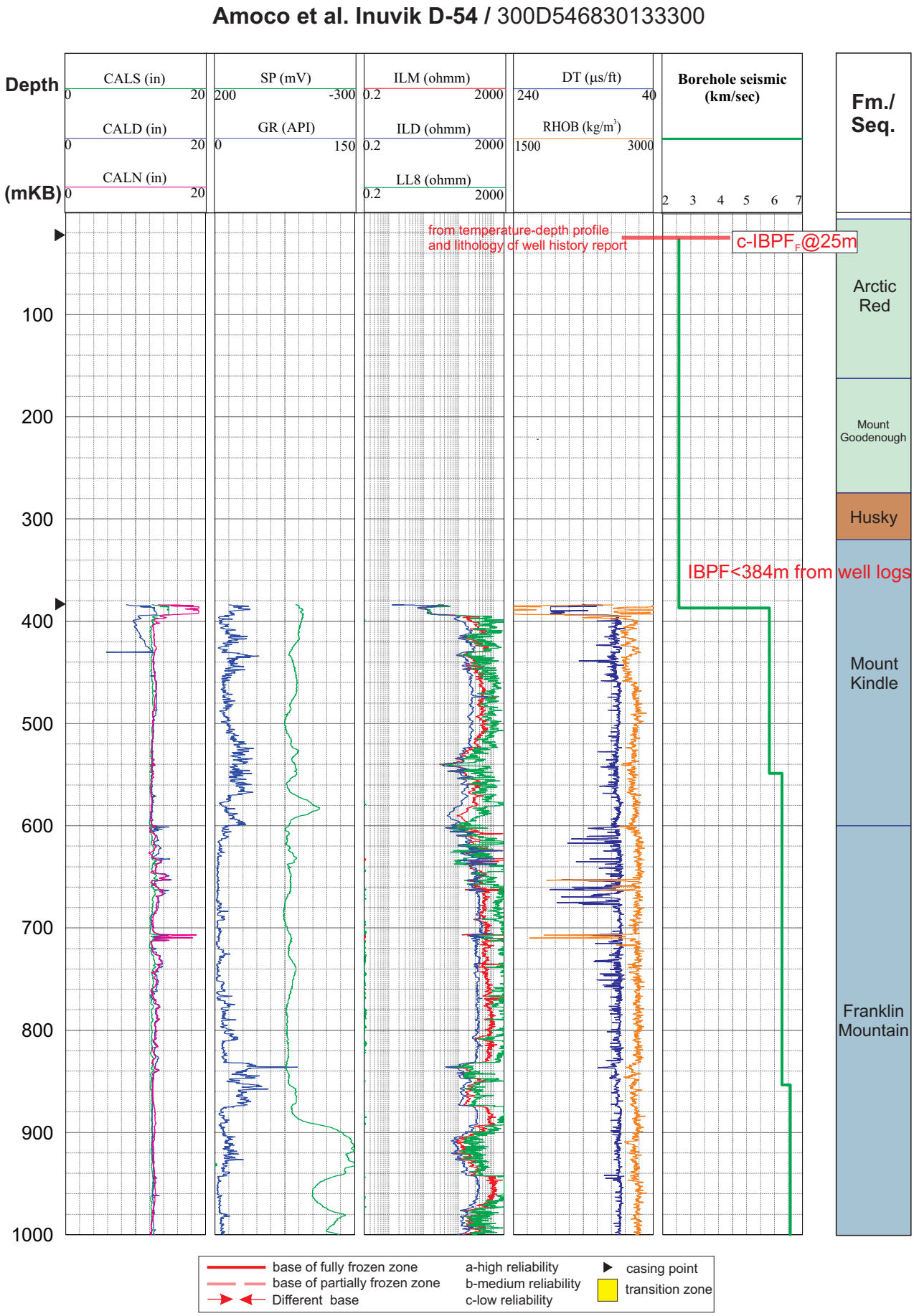

Figure 65. Determination of base of permafrost is estimated from geophysical logs and well seismic survey, and lithology information of well history report for the Inuvik D-54 well in the Beaufort-Mackenzie Basin.

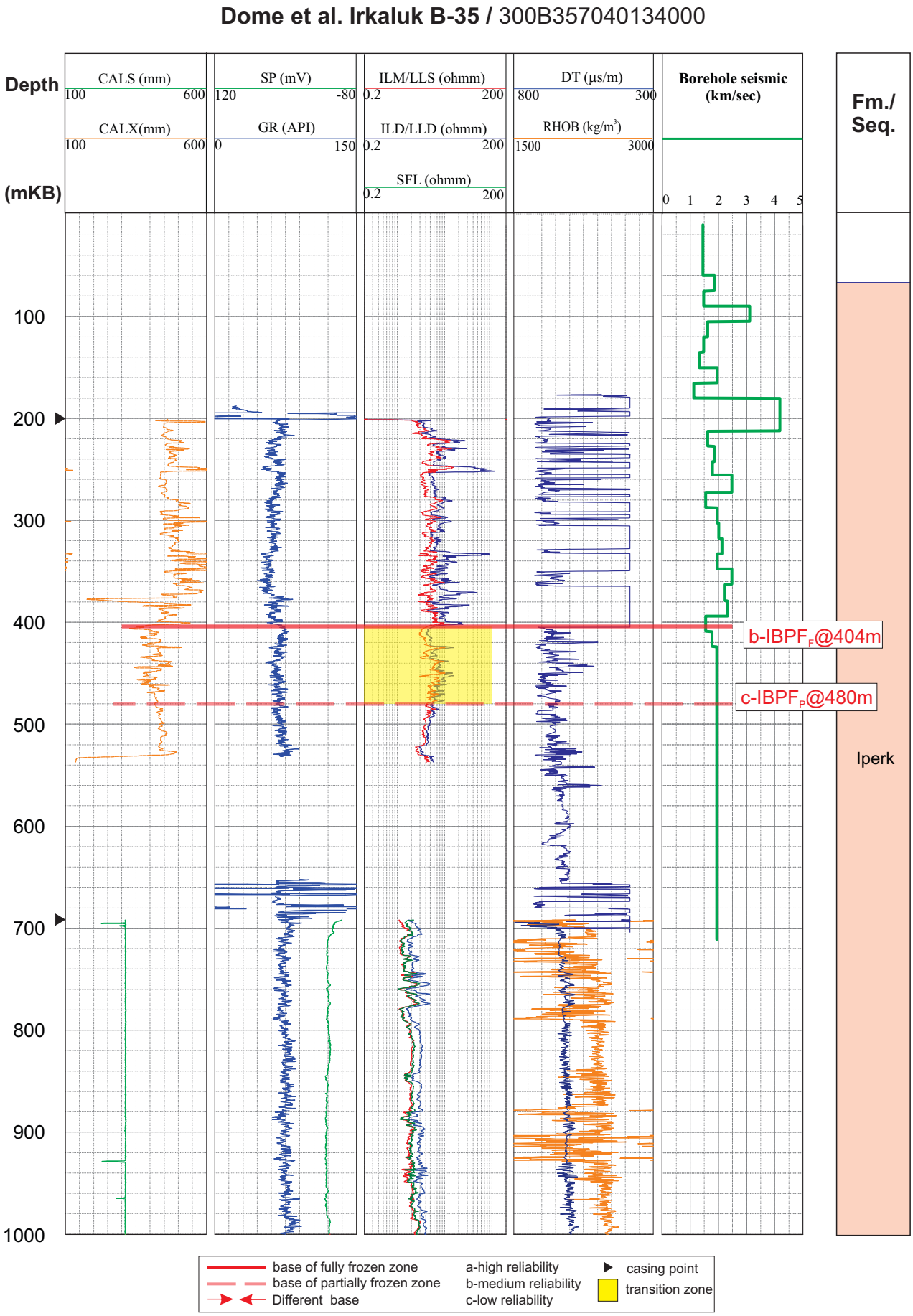

Figure 66. Determination of base of permafrost using geophysical logs and well seismic survey for the Irkaluk B-35 well in the Beaufort-Mackenzie Basin.

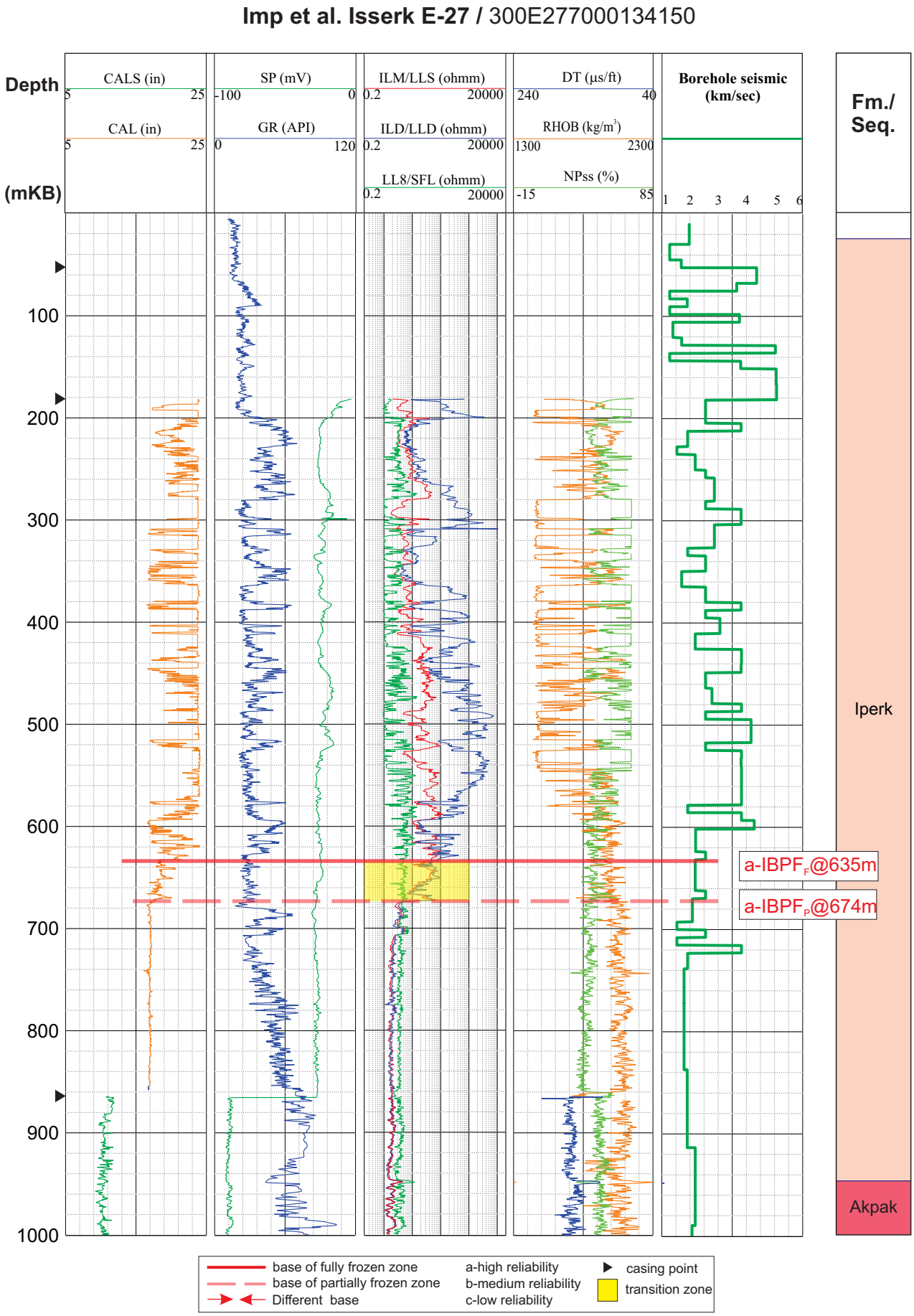

Figure 67. Determination of base of permafrost using geophysical logs and well seismic survey for the Isserk E-27 well in the Beaufort-Mackenzie Basin.

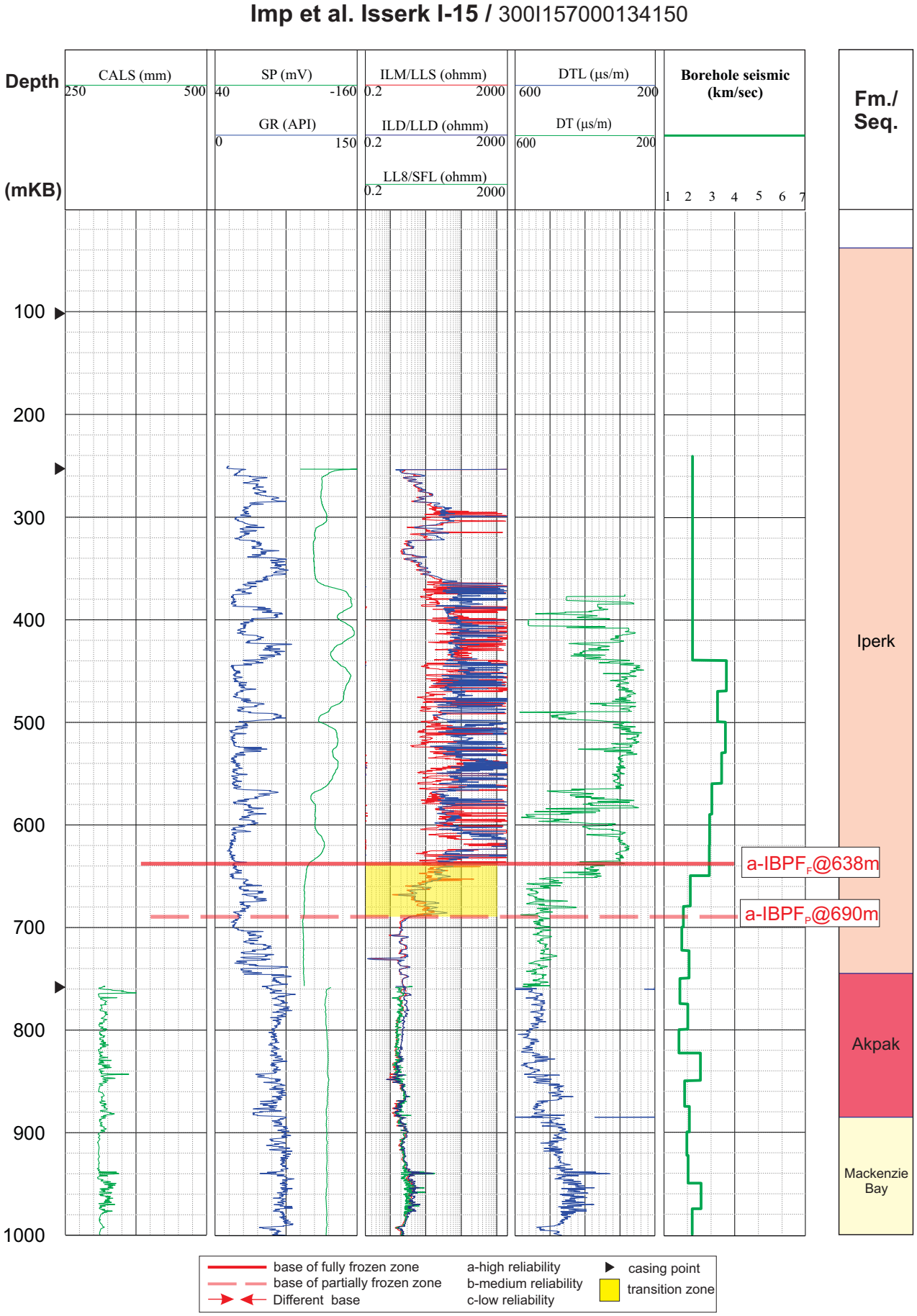

Figure 68. Determination of base of permafrost using geophysical logs and well seismic survey for the Isserk I-15 well in the Beaufort-Mackenzie Basin.

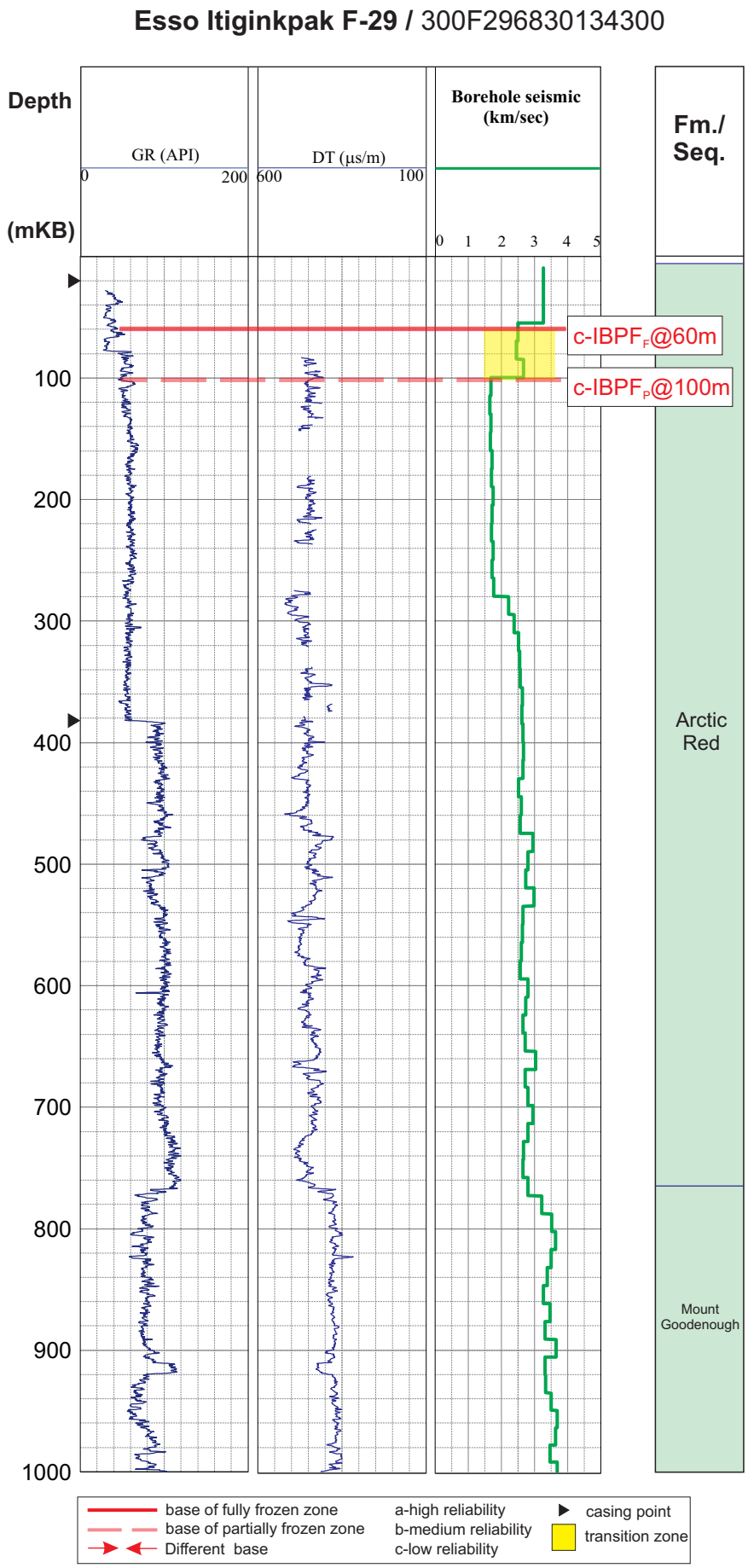

Figure 69. Determination of base of permafrost using geophysical logs and well seismic survey for the Itiginkpak F-29 well in the Beaufort-Mackenzie Basin.

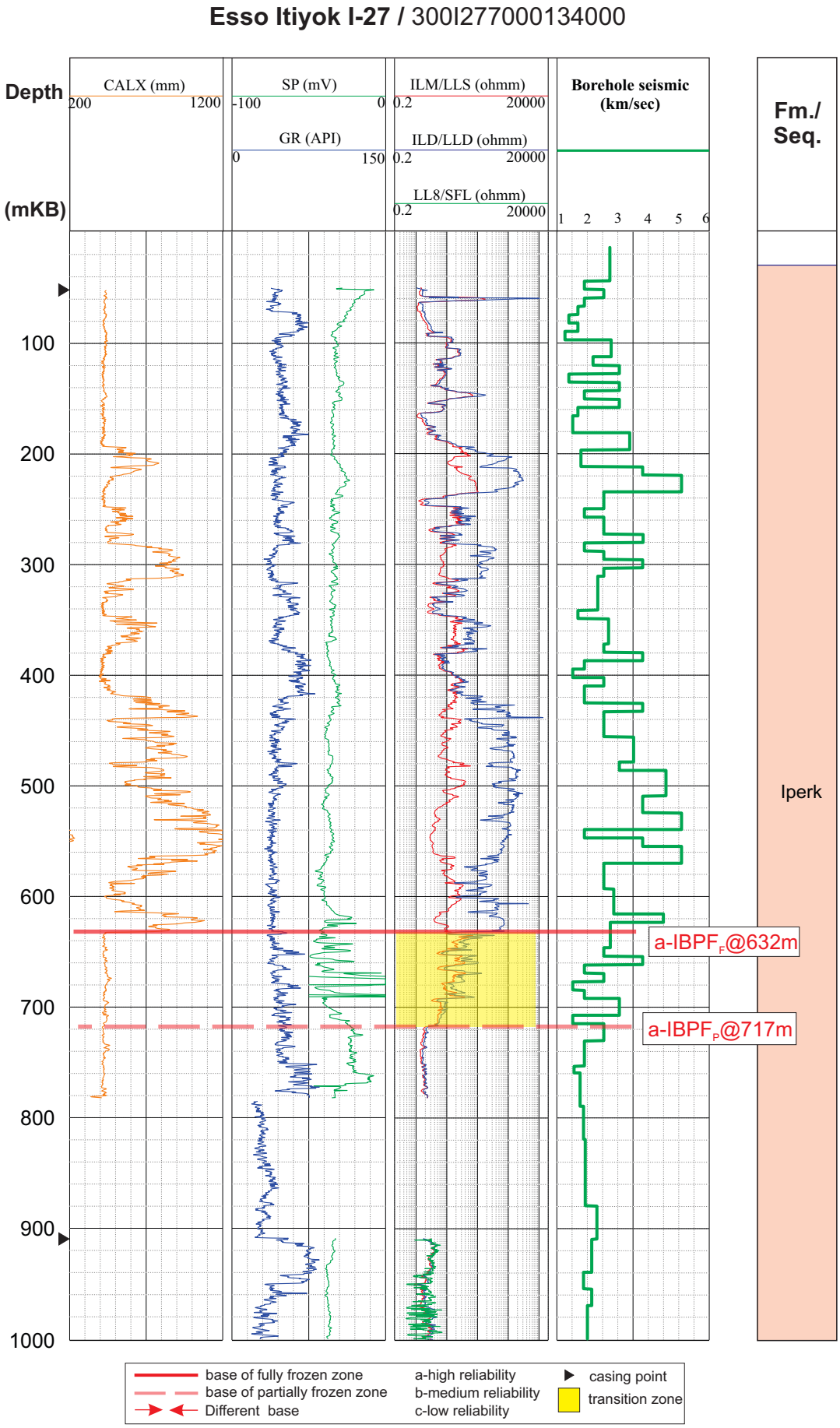

Figure 70. Determination of base of permafrost using geophysical logs and well seismic survey for the Itiyok I-27 well in the Beaufort-Mackenzie Basin.

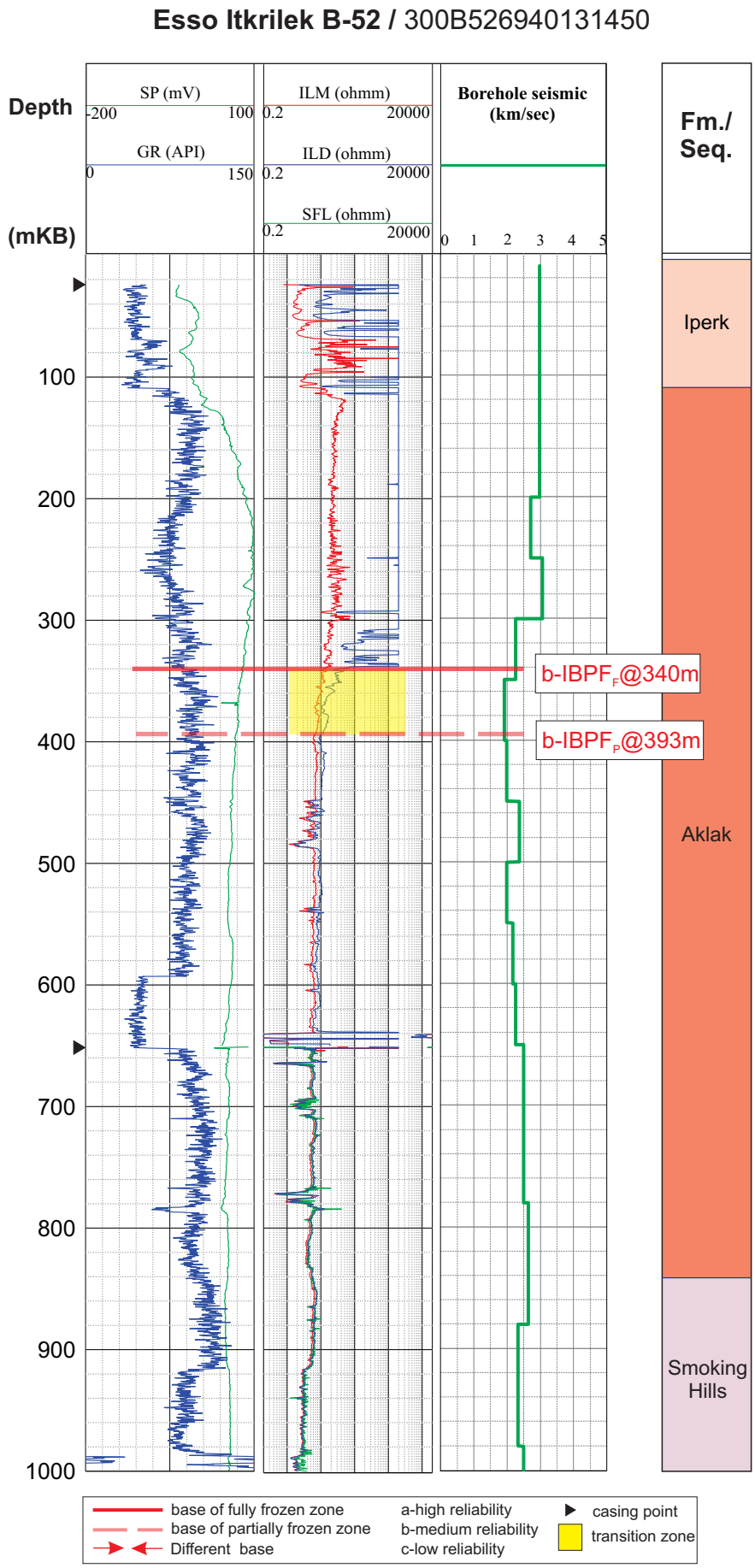

Figure 71. Determination of base of permafrost using geophysical logs and well seismic survey for the Itkrilek B-52 well in the Beaufort-Mackenzie Basin.

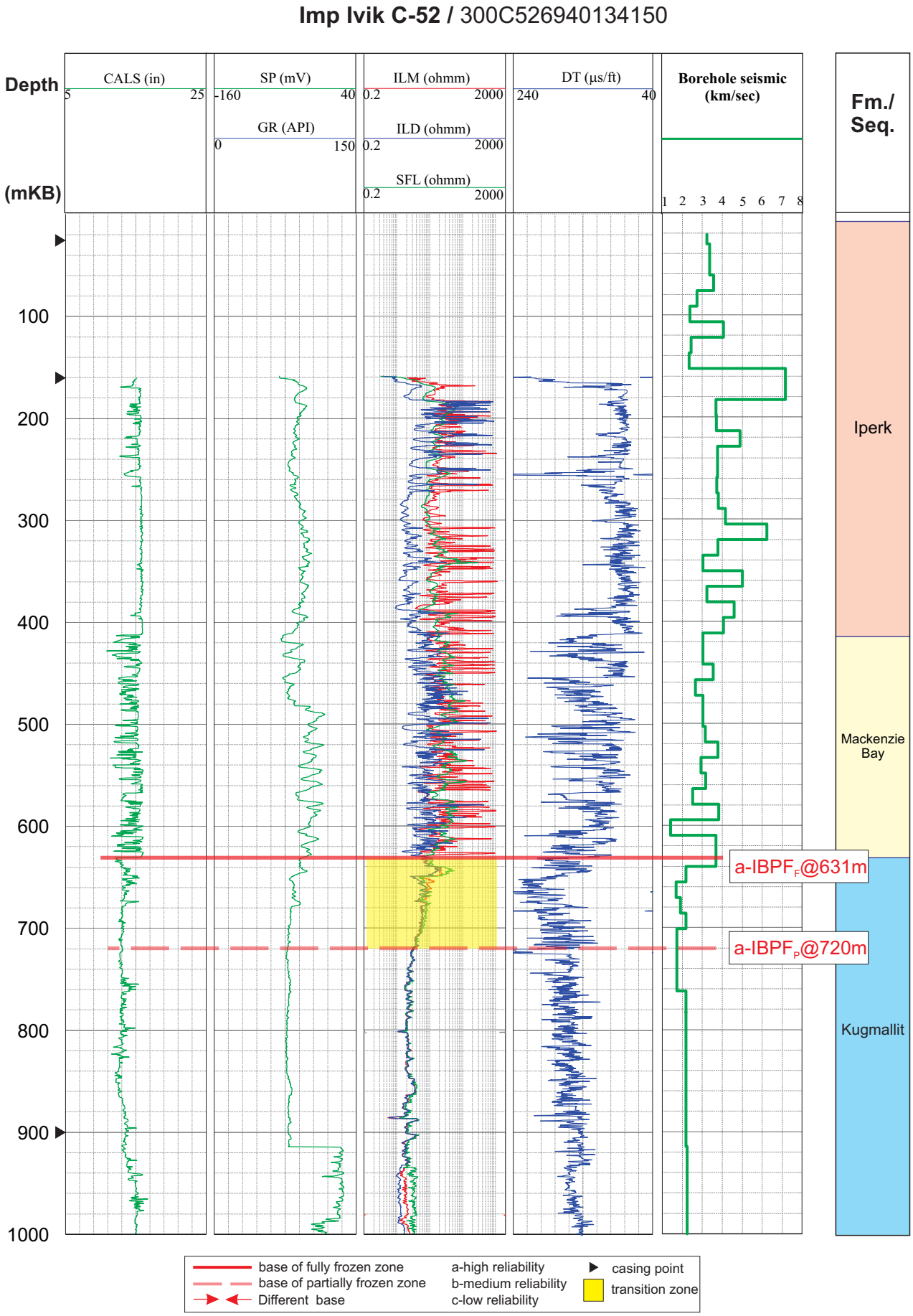

Figure 72. Determination of base of permafrost using geophysical logs and well seismic survey for the Ivik C-52 well in the Beaufort-Mackenzie Basin.

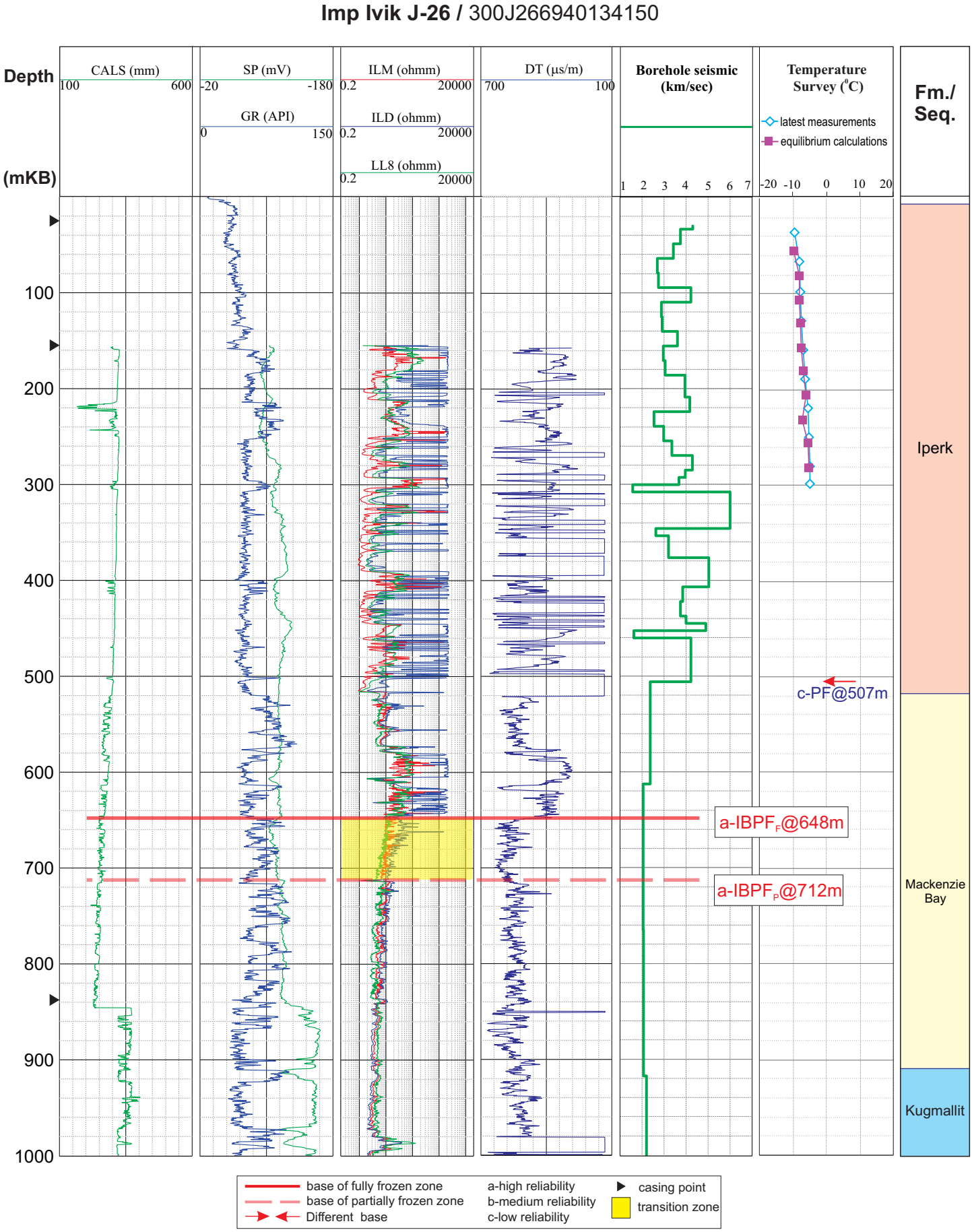

Figure 73. Determination of base of permafrost using geophysical logs, well seismic survey and temperature survey for the Ivik J-26 well in the Beaufort-Mackenzie Basin.

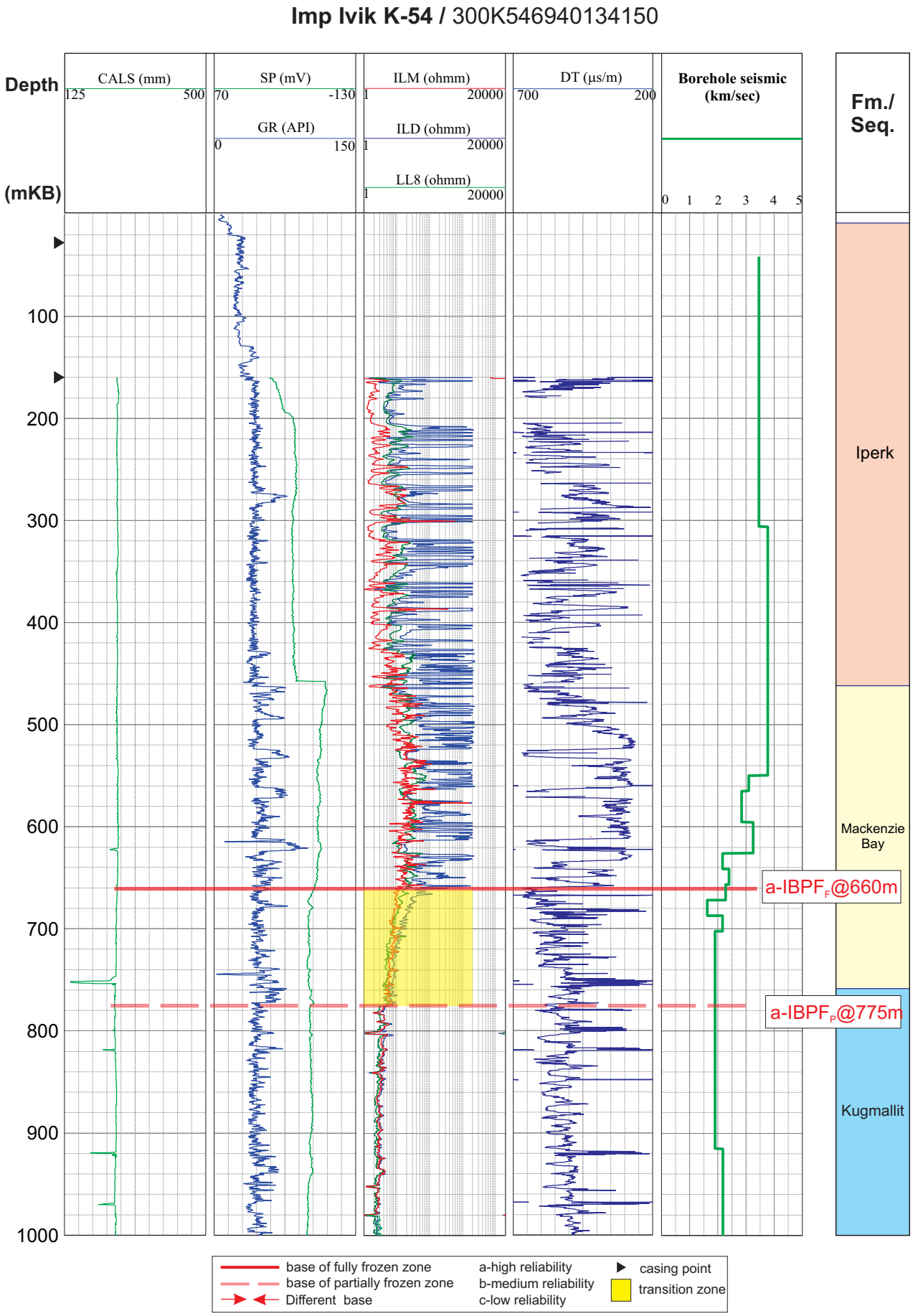

Figure 74. Determination of base of permafrost using geophysical logs and well seismic survey for the Ivik K-54 well in the Beaufort-Mackenzie Basin.

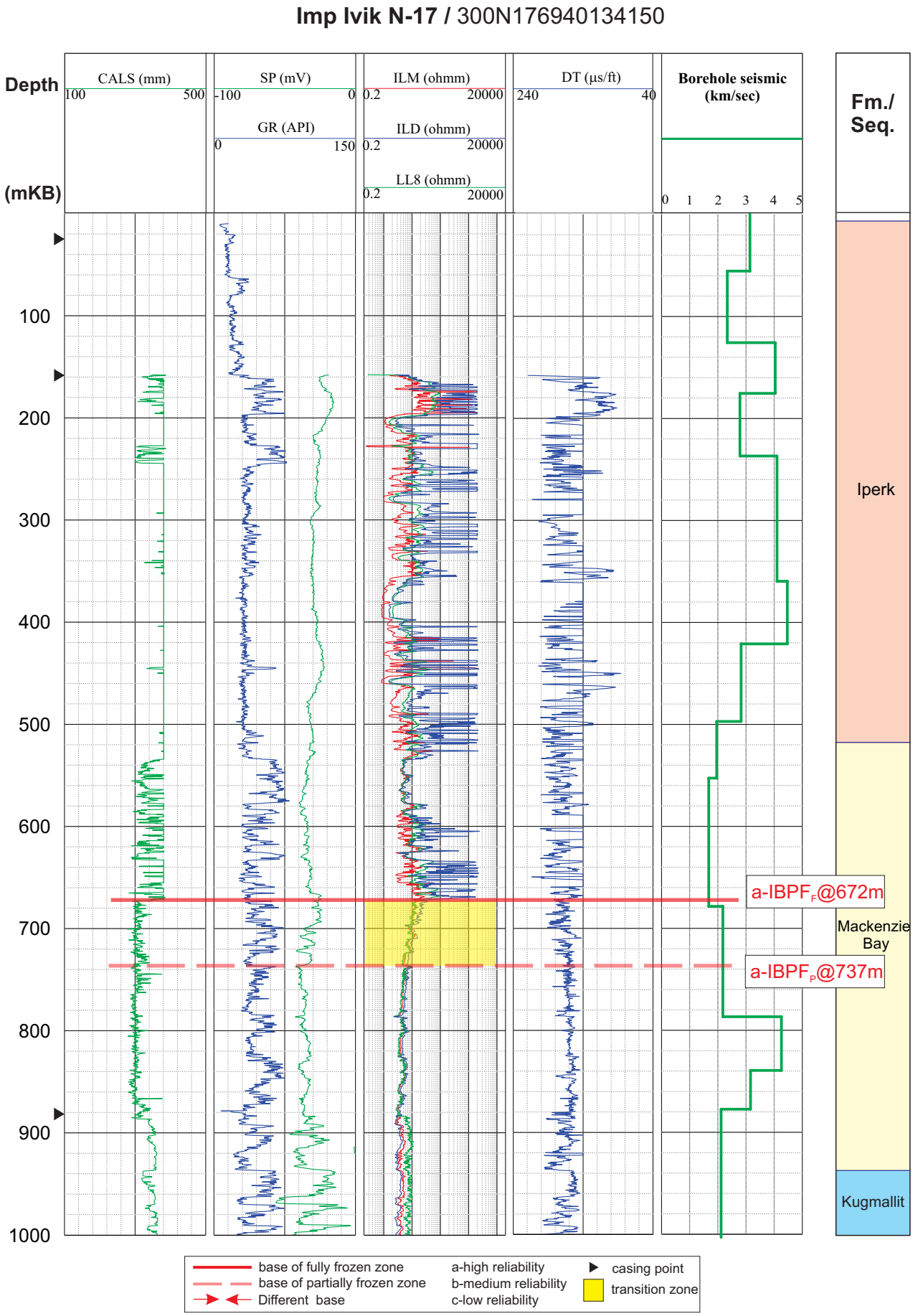

Figure 75. Determination of base of permafrost using geophysical logs and well seismic survey for the Ivik N-17 well in the Beaufort-Mackenzie Basin.