Boletus Sp 15

***Boletus* sp 15 © David Holdom**

Cap: convex; 50 – 60 mm diameter; dry, matt, minutely felty, rugulose; violaceous to reddish brown (11E7); margin slightly appendiculate.
Stipe: clavate; 50 – 60 × 15 – 20 mm; fibrillose; pale yellow at apex (1A4, 2A4), straw colour lower down; lower half blackening on handling or with age.
Pores: deeply adnexed; small with a notably uneven surface, some rounded, others oval or slot-like; bright yellow at first, pale blueing on bruising; becoming olivaceous brown as the spores mature.
Flesh: white, turning pale blue above the pores.
Spore print: olivaceous brown.
Spores: amygdaliform; 8.8 – 11.3 × 3.7 – 5.2 µm; average 10.3 ± 0.8 × 4.45 ± 0.45 µm, Q = 1.76 – 2.77, average Q = 2.33 ± 0.29; smooth, moderately thick walled with yellow contents in KOH.
Basidia: clavate; 25 – 30 × 7 – 8 µm; two and four spored.
Pleurocystidia: numerous, broadly clavate; 25 – 35 × 8 – 9 µm; with dark spotted contents in KOH.
Pileipellis: a trichoderm.
Substrate: soil.
Habitat: in dry sclerophyl forest growing with *Eucalyptus resinifera.*
Notes: It has not been possible to match this collection exactly with any of Watling and Li's descriptions, either on macroscopic or microscopic characters. That said, it is closest to Boletus sp 15 and has been assigned to that name with reservations.
Collections examined: PL35413, Texas Road 10 km from Stanthorpe, David Holdom, 9 April 2013.