

well and data from the southeast. The original *L. balmei* and *T. longus* for Tilana on squash plot W are shown encircled.

On strike squash plots HHH, III, JJJ and KKK minor misties at *L. balmei* and *T. longus* are still seen between squash plot W and squash plot BB. This has led to the interpretation that minor faulting, down to the northwest, not necessarily penetrating top *M. diversus* surface is present as shown in the squash plots. The strike squash plots support the interpretation that all of the intervals, especially the *M. diversus*, thicken to the northwest off the Poonboon-Yurongi high.

The palynologic intervals continue to expand to the northwest into the Yolla graben area from the Tilana area as seen on squash plots KKK and JJJ. The intervals however remain constant or thin in the same northwest direction onto the Yolla structure on squash plot HHH. The Yolla feature is shown on squash plot S. The Yolla structure is interpreted to have begun during *M. diversus* time, as expansion is interpreted downthrown and southwest of the Yolla structure and minor *M. diversus* and *L. balmei* interval expansion northeast of the structure.

Squash plot S also introduces the presence of the most western half graben feature in the basin between the intersecting squash plots QQQ and PPP. The half graben persists to the northwest between squash plots RRR and PPP through the T/18P license area and is seen as a major feature on squash plot C, the most northern squash plot control. No palynologic control exists on the downthrown side of the half graben. The most southwest control is tied into squash plots from the Pelican field correlations. The extent of the expansion downthrown is speculative. The half graben basin intervals do appear to onlap an apparent basement surface to the southwest.

Northwest of the Yolla area, the palynologic control is illustrated on squash plot P. Squash plot P has palynologic data from the Bass-1 well and the Bass-3 well. The Bass-1 well penetrates the top of the *M. diversus*. The *M. diversus* and the *L. balmei* thicknesses are interpreted from the Yolla area along squash plot HHH and neighboring strike squash plots. Squash plot HHH illustrates that the *M. diversus* and *L. balmei* intervals thicken to the northwest off the Yolla structure into the Cormorant graben.

On the western half of squash plot P the palynologic data from the Bass-3 well is illustrated. The Bass-3 well penetrated a very shortened *P. asperopolus* and *M. diversus* section. Only middle *M. diversus* section is present. The well also penetrated a shortened *L. balmei* and *T. longus* interval before penetrating basement at 7794 feet subsea. A core recovered from 7903-7914 feet drilling depth, recovered metamorphosed quartzite, shale and sandstone. A core at 7974-78 feet drilling depth, recovered contact metamorphosed shale. The interpretation of the top of the *L. balmei* northeast from the Bass-3 well data on squash plot P is difficult. It has been interpreted to follow the deeper reflection of the Bass-3 structure, putting the expansion, seen off the structure, in the *M. diversus* interval and tying the southern palynologic control from strike squash plots OOO, NNN, and MMM. The *M. diversus* interval shown on squash plot P between the Bass 3 well and the intersection of squash