

MJAA JUSTIFICATION

MJAA: The location with a projected in-place accretion of 4.46 MMt of oil for Barail & 2.11MMt of oil for Mid. Bokabil, is to chase the Barail (primary) and Mid Bokabil (secondary) plays in Kalyanpur area. It has a target depth of 2600m from MSL and it is to be drilled vertically. The prospect lies SW of MP-1 which is separated by a prominent basinward facing normal fault which is continuing down south resulting the Kasomarigaon oil field. This location falls on the hanging wall side of a major NE-SW trending longitudinal fault, facing SE along which Kalyanpur Field is located. The ENE-WSW trending antithetic fault to the major fault is responsible for the pop-up feature for Lower-Mid. Bokabil section in Kalyanpur prospect. The Barail section is juxtaposed with the Kopili sediments in the upthrown side. At this location a pronounced erosional cut giving rise to a geomorphic high or in other words a remnant feature for Barail. The dominant argillaceous section of Kopili will act as a trap and the clay gouge along the fault plane will seal the fault restricting the updip migration of oil and gas. As the prospect lies between producing fields of East Lakhibari and Kasomarigaon Fields, it is evident that it is located in the hydrocarbon migration path. This proposed location RMJ-1 falls in the center of distributary channel connecting to Lobe-III&IV of Mid. Bokabil.


MUNINDRA DAS
GM (D)
I/C LAQ
ONGC, JORHAT