

SSG Undertaking
Page 1234 Lines 1 - 7

UNDERTAKING – RESPOND TO QUESTIONS FROM BOARD STAFF AS A RESULT OF PREVIOUS UNDERTAKINGS TO PROVIDE A BITUMEN NET PAY ISOPACH MAP FOR THE KIRBY UPPER MANNVILLE J POOL BASED ON 50 PERCENT BITUMEN SATURATION AND TO PROVIDE AN 8 WEIGHT PER CENT NET BITUMEN PAY MAP FOR THE WABISKAW B VALLEY FILL AND THE WABISKAW D VALLEY FILL IN THE KIRBY AREA

QUESTIONS

1. The text of the undertaking stated that, using a 50 per cent saturation cut-off, the weighted average porosity derived from log analysis for all wells contained in the mapped area is 26 per cent. Is this based on the gross Wabiskaw B Valley-fill interval?
2. Did you use the same contouring algorithm for both maps?
3. In comparing the two maps undertaken, is it correct to say that the 50 per cent bitumen saturation map will give pay to zones irrespective of porosity, as long as the calculated saturation in the zone is above 50 per cent?

RESPONSES

1. No, the porosity value of 26 per cent is the weighted average porosity from only those intervals that met or exceeded the 50 per cent bitumen saturation cutoff.
2. Yes, the same contouring algorithm was used for both maps.
3. Yes, using a 50 per cent bitumen saturation cutoff results in the inclusion of those log intervals in a well where the log analysis determined a bitumen saturation of 50 per cent or greater, regardless of the porosity or volume shale of the interval.