

UNPUBLISHED REPORT 1967/12

Some suggested sites for drilling — Longford area

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Seven sites between Hummocky Hills and east of Longford were suggested for drilling. These sites were located at: Site 1 — 5053E, 8660N (approx. co-ordinates in yards); Site 2 — 5060E, 8642N; Site 3 — 5090E, 8639N; Site 4 — 5075E, 8701N; Site 5 — 5067E, 8733N; Site 6 — 5044E, 8660N; Site 7 — 5032E, 8653N. The purposes of these sites are as follows:

1. To test whether basement (dolerite and Permian or Triassic rocks) is continuously high throughout this area.
2. Results of gravity work have shown a series of highs and lows throughout this area which may indicate variations in depths to basement. These holes should aid gravity interpretation.
3. Water bores have been more successful in striking gravel beds along the margin of the basin than away from the margin. These holes should extend this information. Depending on the results of drilling, some of the sites may be deleted or additions made.

Sites 8 (5023E, 8621N), 9 (5007E, 8639N), 10 (4991E, 8625N), 11 (4986E, 8603N), 12 (4984E, 8581N) and 13 (4967E, 8568N) extend from the eastern margin to the western margin of the basin. The gravity results show a high just off the eastern margin, then a steep gradient to lower values into the middle of the basin. Where the drill is unable to enter basement, it is suggested that this line be stopped. This series of holes will give an idea of water potential, basement variation and help in gravity interpretation.

[5 May 1967]