

FIG.(1): LOCATION MAP OF THE STUDY AREA AND THE STUDIED WELLS

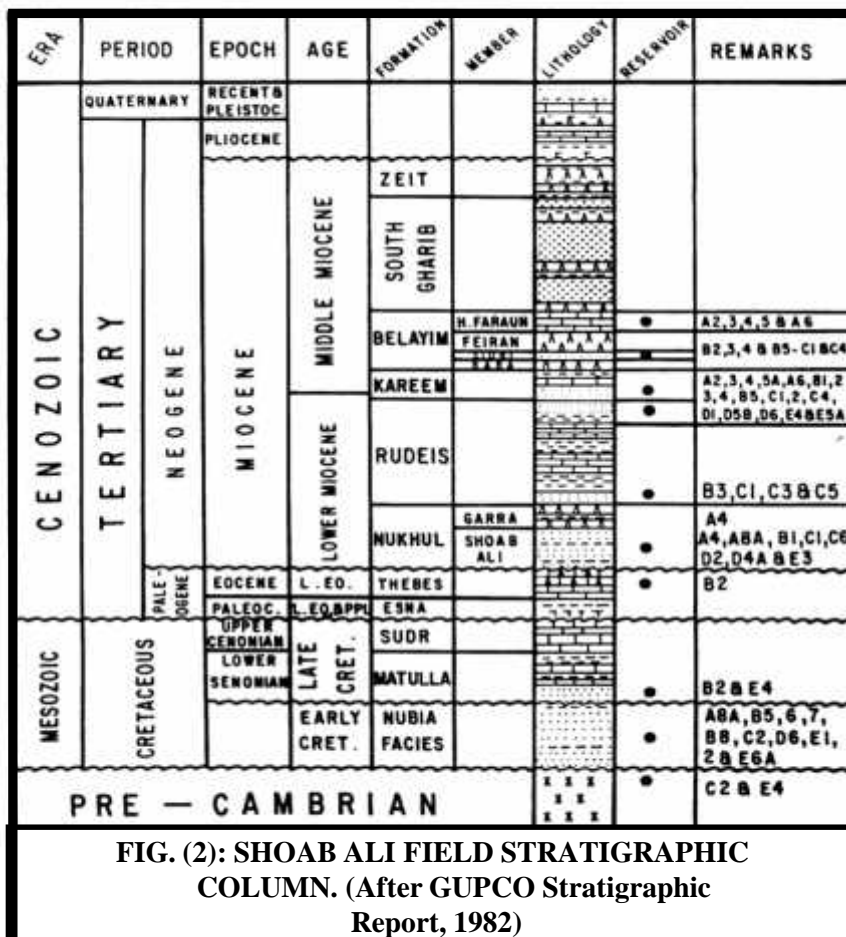


FIG. (2): SHOAB ALI FIELD STRATIGRAPHIC COLUMN. (After GUPCO Stratigraphic Report, 1982)

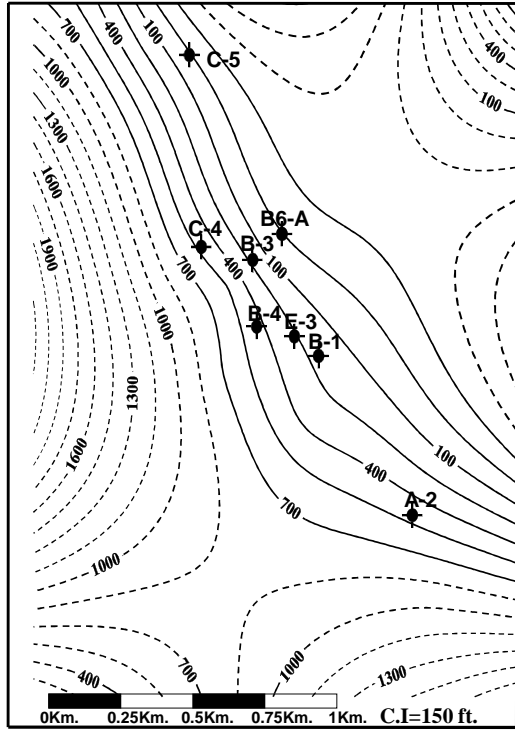


FIG.(3) : ISOPACH MAP OF KAREEM FORMATION.

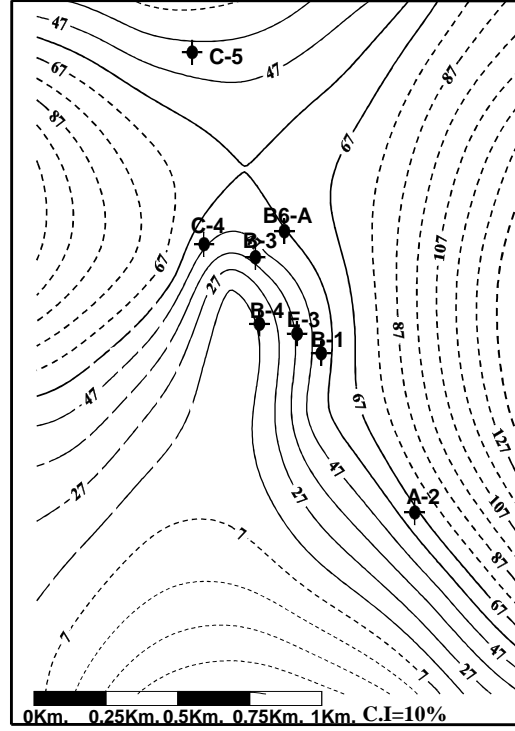


FIG.(4) : SHALE PERCENTAGE MAP OF KAREEM FORMATION.

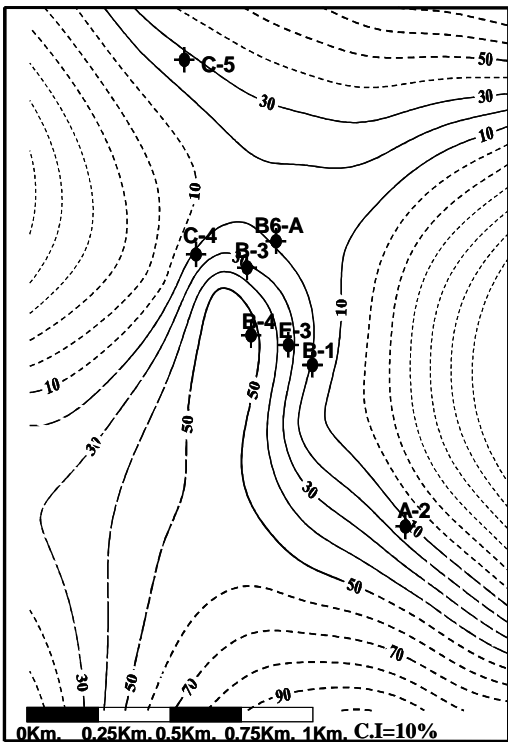


FIG.(5) : SANDSTONE PERCENTAGE MAP OF KAREEM FORMATION.

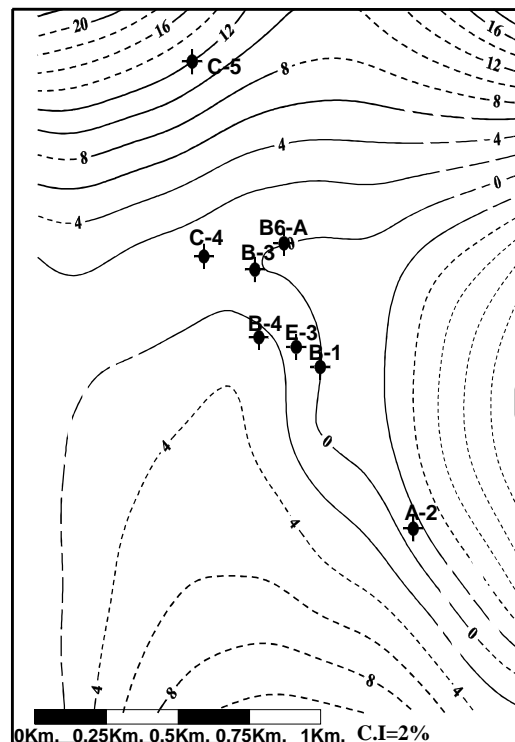


FIG.(6) : CARBONATE PERCENTAGE MAP OF KAREEM FORMATION.

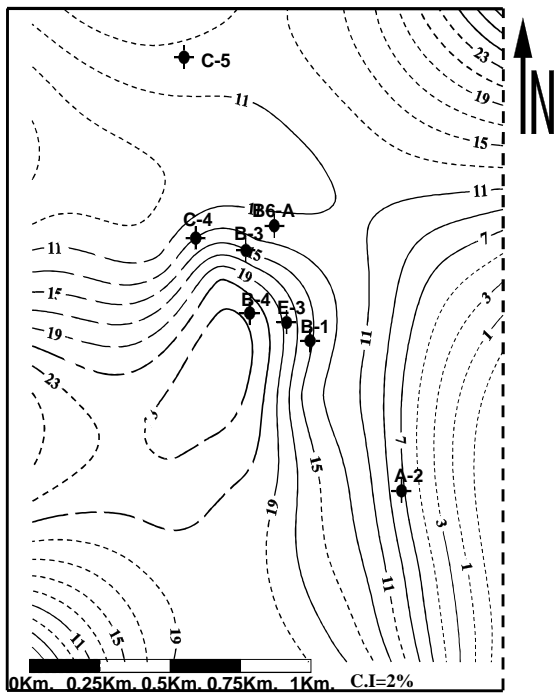


FIG.(7) : EFFECTIVE POROSITY GRADIENT MAP OF KAREEM FORMATION.

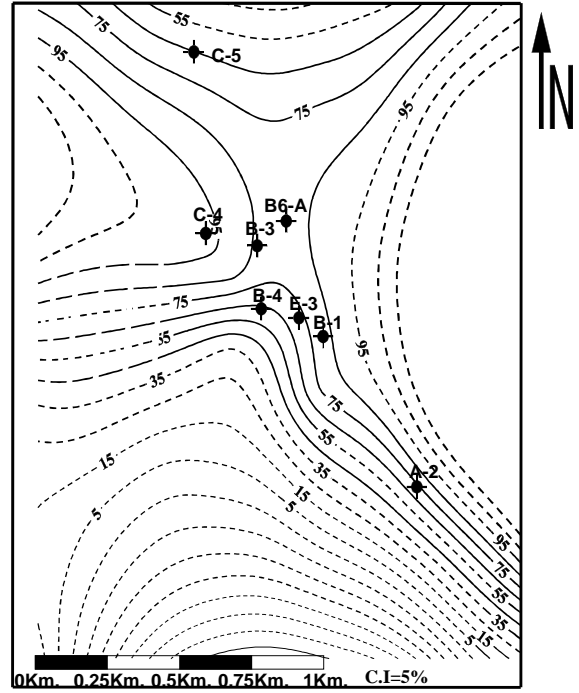


FIG.(8) : WATER SATURATION MAP OF KAREEM FORMATION.

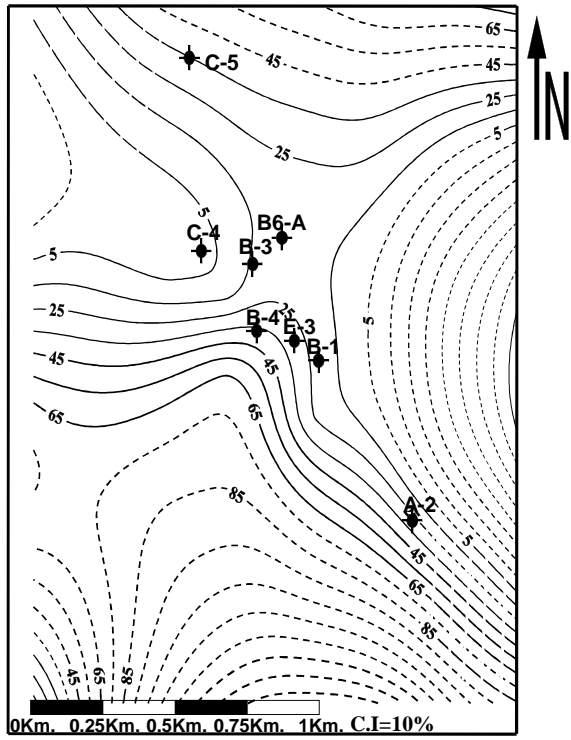


FIG.(9) : HYDROCARBON SATURATION MAP OF KAREEM FORMATION.

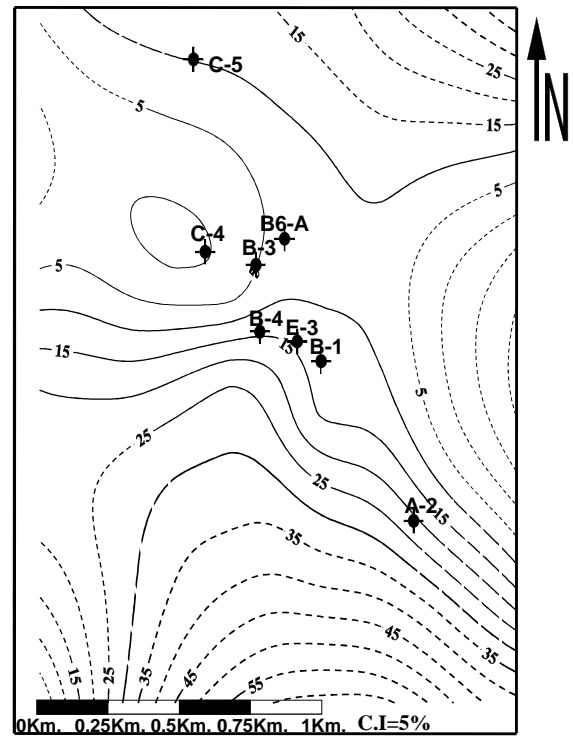
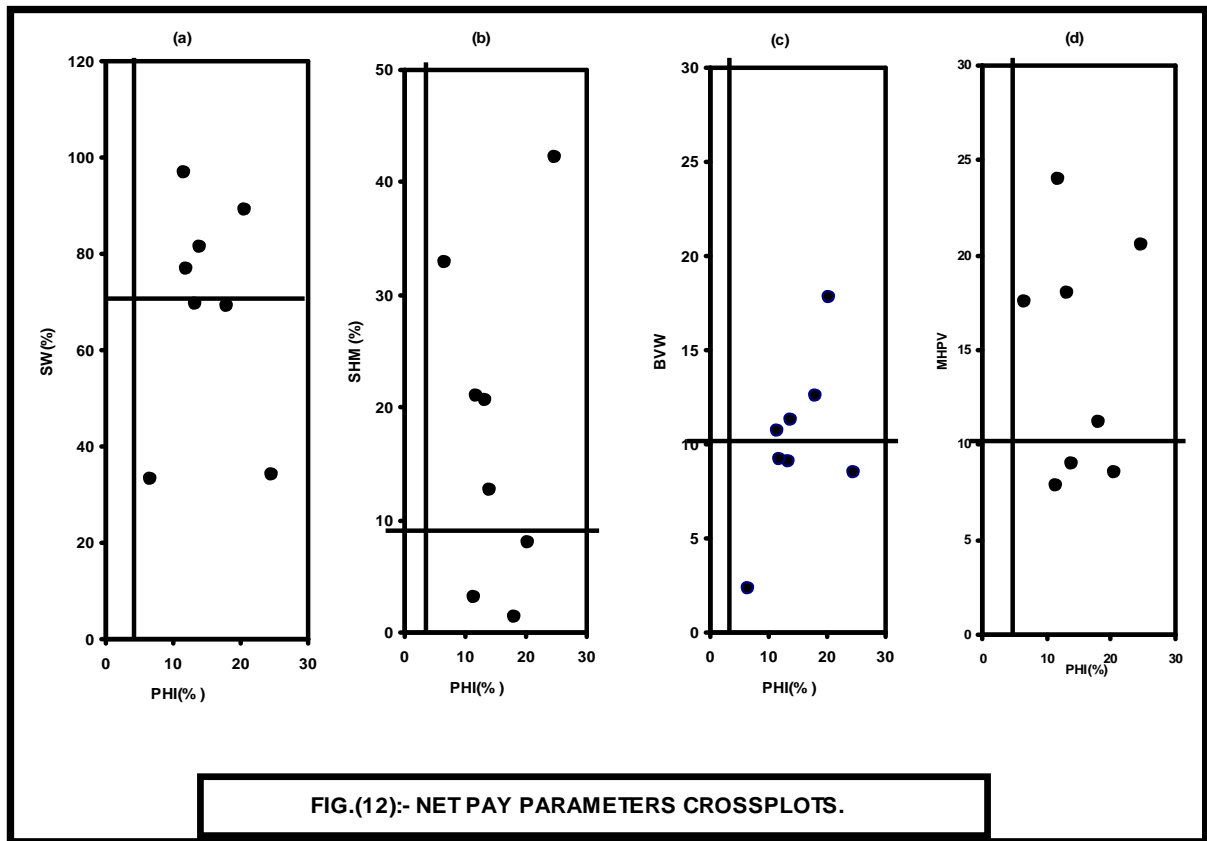
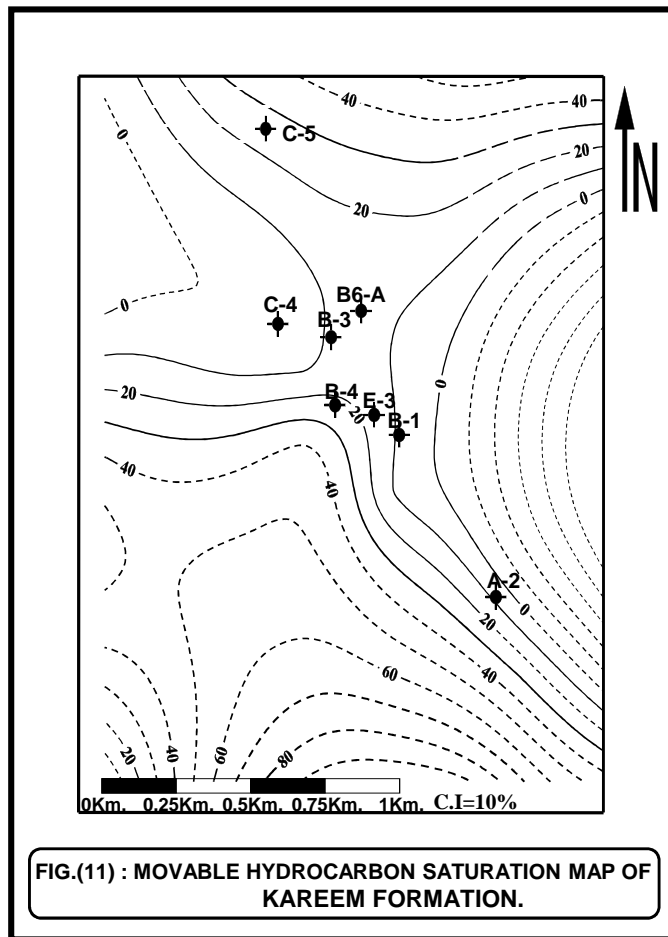


FIG.(10) : RESIDUAL HYDROCARBON SATURATION MAP OF KAREEM FORMATION.



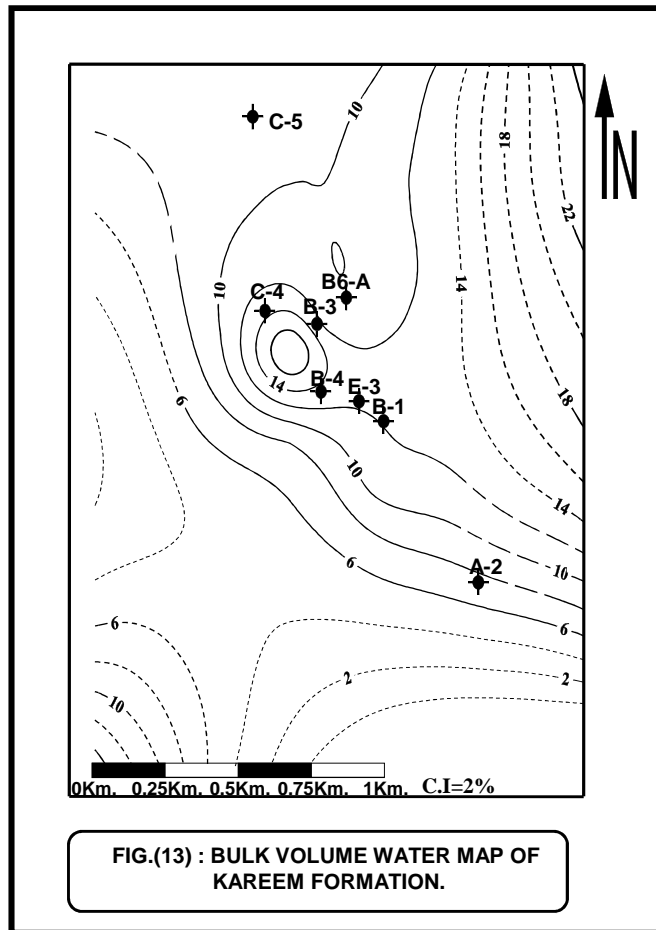


FIG.(13) : BULK VOLUME WATER MAP OF KAREEM FORMATION.

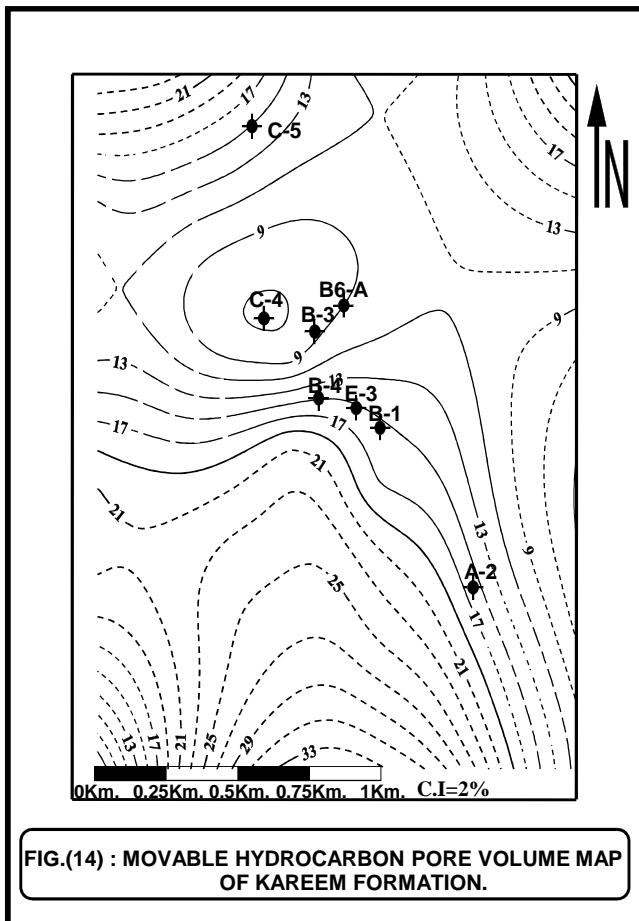


FIG.(14) : MOVABLE HYDROCARBON PORE VOLUME MAP OF KAREEM FORMATION.

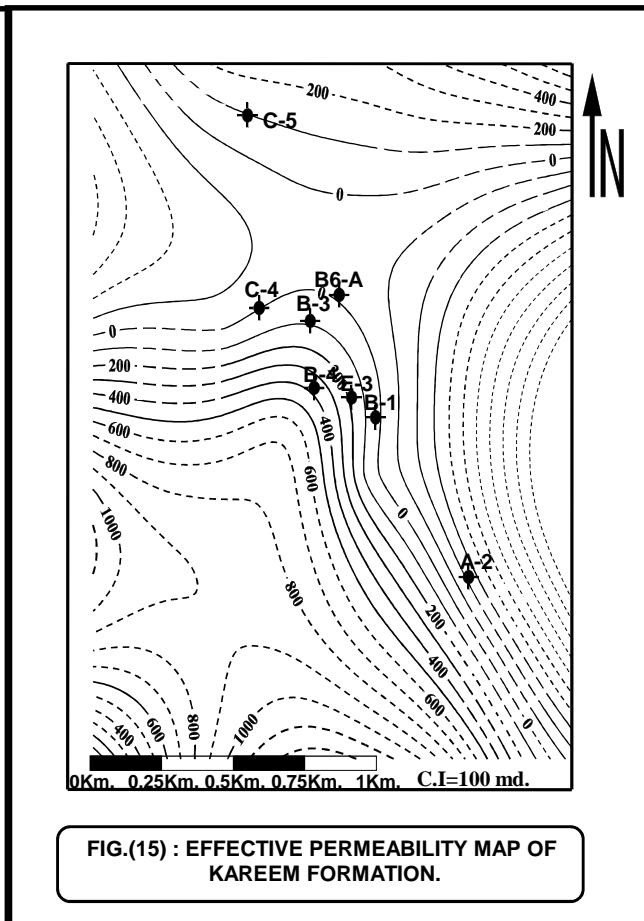


FIG.(15) : EFFECTIVE PERMEABILITY MAP OF KAREEM FORMATION.