

DIPMETER INTERPRETATION

LEBSACK OIL PRODUCTION

FOSTER D-1

NE NE NE SEC. 14-21S-35W KEARNEY COUNTY, KANSAS

Structural information suggests the tilt in the interval 4775 to 4950 is down toward the west-southwest at one degree of dip magnitude or less.

Stratigraphic analysis indicates that the interval 4940 to 4955 appears to be a cherty limestone deposit that was influenced by currents moving toward the northwest.

The interval 4932 to 4940 seems to be shoreline deposits influenced by currents moving down structural slope.

The interval 4925 to 4932 appears to be a sandy limestone bank that was eroded by currents moving to the west along a north sloping confinement.

The interval 4921 to 4925 seems to be a sand deposit that indicates accretion to the north-northeast. This accretion appears to be preserved by a shale interval from 4917 to 4921 that moved over the sand sediment from the southwest. This would indicate the sand deposit would be elongated toward the west.

The sand interval 4908 to 4917 appears to be a bar deposit aligned east-west with east-northeast accretion. This would indicate thicker sediment toward the west-northwest.

The shale interval 4894 to 4908 appears to be structurally influenced with a gentle slant down toward the west-southwest.

The lmy shale interval 4881 to 4894 seems to be low-energy back bar deposition aligned east-ten degrees south by west-ten degrees north with transport from east to west.

The interval 4850 to 4881 appears to contain shale with lmy streaks influenced by currents moving west-northwest.

The interval 4750 to 4850 seems to be lime and shale deposits that were influenced by currents moving northwest-southeast along a gentle west-southwest shoreline.

This represents our best analysis of the computed data. Because the conversion of electrical measurement to geologic events is not an exact science, neither Halliburton Energy Services nor this analyst will be liable for this interpretation.

Thank you for choosing Halliburton Energy Services. We look forward to working with you again in the near future.

Paul E. McRill
Technical Adviser
February 7, 1996