HGS "DISAPPOINTING SEISMIC ANOMALIES" DATA SHEET

Operator: Marathon Oil

Partners: Woodside, Pan Canadian (Encana)

Area/Block: Keathley Canyon

Well No: 199 #1

Water Depth: 5,565' TD of well: 19500

Primary Objective: 4 stacked pliocene age basin floor fan deposits

Secondary Objective: Younger channelized layer

PRIMARY OBJECTIVE - PRE-DRILL ASSESSMENT

Play Description: The Berlin prospect is composed of four stacked Pliocene target intervals that are stratigraphically trapped, with the potential target sands pinching-out both up-dip and laterally along the southwest rim of a salt-withdrawal mini-basin.

Reservoir Depth: 18,000 + AVO Class: 3 Seismic Processing: Post stack time, post stack depth

Amplitude Characteristics: There are four stacked amplitude packages, all within the same stratigraphically thinning package. The amplitudes were 3-4 times brighter than the background, and displayed fair down-dip conformance to structure.

Greatest Geologic Risk: Trap Chance of Success: 23%

PRIMARY OBJECTIVE - POST DRILL

Post Drill Discussion: The four main amplitude supported targets were wet, with no trace of residual hydrocarbons. All four targets had clean, thick sands and were separated by thin, condensed shales/marls.

Hydrocarbon Comment: No trace of hydrocarbons were found in the well.

Risk parameter(s) responsible for disappointing outcome: Most likely to be lack of HC migration

Change of Structural,Stratigraphic Interpretation: Possible lithology variation in the shales created the amplitude anomalies.

Seismic & Wireline Reconciliation: None.

SUPPORTIVE/AMBIGUOUS/MISLEADING TECHNOLOGIES

Amplitude anomaly was not very strong. However, the four intervals of down-dip conformance led to the thinking it had to be a fluid contact of some sort. Because of the difficulty associated with identifying the migration pathway, there was very little attention paid to hydrocarbon migration and the regional context of the prospect.