

Chase Drly Co. Chanute 316-431-2142
Dow Dawies 316-331-7283

Martin K. Dubois

Consulting Geologist

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February 15, 1984

The Production Team
P.O. Box 785
Independance, KS 67301

400' FNL 920' FWL NW/4

Re: The Production Team #1 Hund
NE NW NW 17-8S-22E
Leavenworth Co., Ks

Gentlemen:

Please adhere to the following instructions while drilling the captioned well:

Samples: Save 10' samples, washed and sacked from 900' to TD, and through any drilling breaks from 450' to 900'.

Driller's Log: Keep an accurate driller's log from surface to TD.

Call Points: Call me when you have moved on location and then again when you reach 500'. (Office: 316-221-0428, Home: 316-221-4129) Let me know where the Base Kansas City was when you call.

Estimated Formation Tops *

Iatan Limestone	59
Lansing Limestone	152
Base Kansas City LS	469
Altamont Limestone	619
Cherokee Shale	715
Ardmore Limestone	825
Coal Marker	1090
Upper McLouth Sandstone	1189
Lower McLouth Sandstone	1221
Burgess Sandstone	1246
Miss. St. Louis Limestone	1261
Spergen Dolomite	1280
Total Depth	1300

892
159 + 731 * Depths to formations for ground level elevation of 885'.
488
736 Adjust when true elevation is obtained.

} Potential Pay Zones

There are no good marker beds between the Base Kansas City and the Mississippi. Six five-foot limestones in the Marmaton (Altamont to Cherokee) can sometimes be differentiated and they make fair markers. Otherwise, the interval from the Base Kansas City to Mississippi is nearly all shale and drills fairly quickly.

Sincerely,

Martin K. Dubois

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MKD:td