HAAG Consulting Services
35 Sandalwood Drive
Pueblo, Colorado 81005-2910

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CONSERVATION DIVISION
WICHITA, KS

Kreag #2-31
Sec. 31 T. 19 S. R. 15 W.
Rice Co., Kansas
Pioneer Oil & Gas
Dry Hole
Elev. KB 1805
Spud 12-6-91
Completed 12-16-91
Total Depth 3380
Log Run 12-16-91
Casing: 8 5/8" @ 221' w/ 150 sx
Samples: 2800-3380 (10')
Mud: Chemical
Drill Stem Tests: DST #1 2749-2860 (IF 60"-30", ISIP 721" 30", FF 60"-30", FSIP 663" 30", IHP 1386 FHP 1386, Rec. 65' MWB-Mud, 1st IF to bottom BOT 86")
DST #2 3097-3140 (IF 30"-30", ISIP 133" 30", FF 30"-30", FSIP 123" 30", IHP 1547 FHP 1547, Rec. 360' GIP, 5' OSM, BOT 86")
DST #3 3232-3247 (IF 30"-30", ISIP 832" 30", FF 30"-30", FSIP 832" 30", IHP 1584 FHP 1584, Rec. 120' MWB-Oil, 1st IF open tool to surface, 2nd IF open tool to surface, BOT 88")
Drill Stem Test Chart
Drilling Time Chart
Sample Description
Remarks
Geologist: Dwight A. Haag
Date: 12-16-91
Kansas Geological Survey
Rice County, Kansas
Kreag #2-31
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