

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY BOP WEST, LLC LEASE LYLE SWISHER # 2 ELEVATIONS _____

FIELD HUNTER NORTH LOCATION 980' ENL + 990' FUL COUNTY SALINE STATE KS

SEC 8 TWP 16.50 RGE 14W CONTRACTOR C & G DRILLING CO. SURFACE 8-21 @ 218'

SPUD 11/21/11 COOP 12/12/11 PRODUCTION STARK SHALE

RD 2745 LTD 2745 TYPE MUD CHEMICAL ELECTRICAL SURVEYS _____

DRILLING TIME KEPT FROM _____ SAMPLES SAVED FROM _____

DRILLING TIME KEPT FROM _____ TO _____

SAMPLES EXAMINED FROM _____ TO _____

GEOLOGICAL SUPERVISION FROM _____ TO _____

GEOLOGIST ON WELL CAROL R. FLEWELL

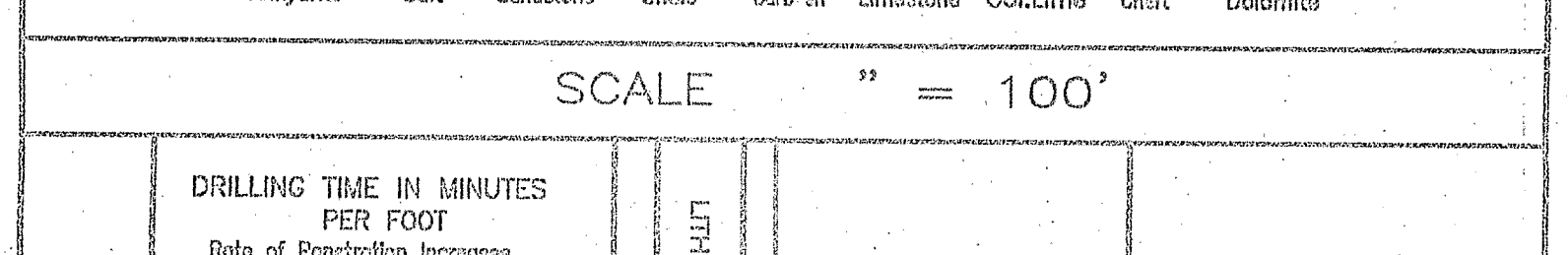
FORMATION TOPS _____ LOG _____ SAMPLES _____

FORMATION TOPS	LOG	SAMPLES
HEEBNER SH.	1836 (-508)	1836 (-508)
LANSING	2046 (-718)	2046 (-718)
BKC	2381 (-983)	2381 (-983)
MARION	2392 (-1064)	2392 (-1064)
CHEROKEE	2564 (-1236)	2564 (-1236)
MISSISSIPPIAN	2669 (-1341)	2669 (-1341)
MISS. DOL	2683 (-1355)	2683 (-1355)

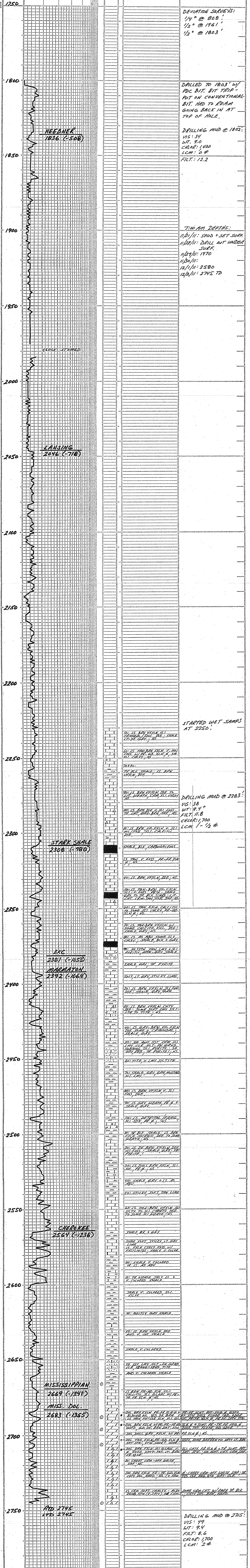
REMARKS DUE TO POSITIVE STRUCTURAL POSITION AND DL SHOWS + LOG CALCULATIONS IN THE MISSISSIPPIAN, IT WAS DECIDED TO RUN CASING AND PRODUCE THIS WELL.

Carol R. Flewell

LEGEND



SCALE 1" = 100'



COMPANY BOP WEST, LLC. LEASE LYLE SWISHER # 2 ELEVATION: 1320 KB

LOCATION 980' ENL + 990' FUL SEC. 8 TWP 16.50 RING 14W

COUNTY SALINE STATE KS