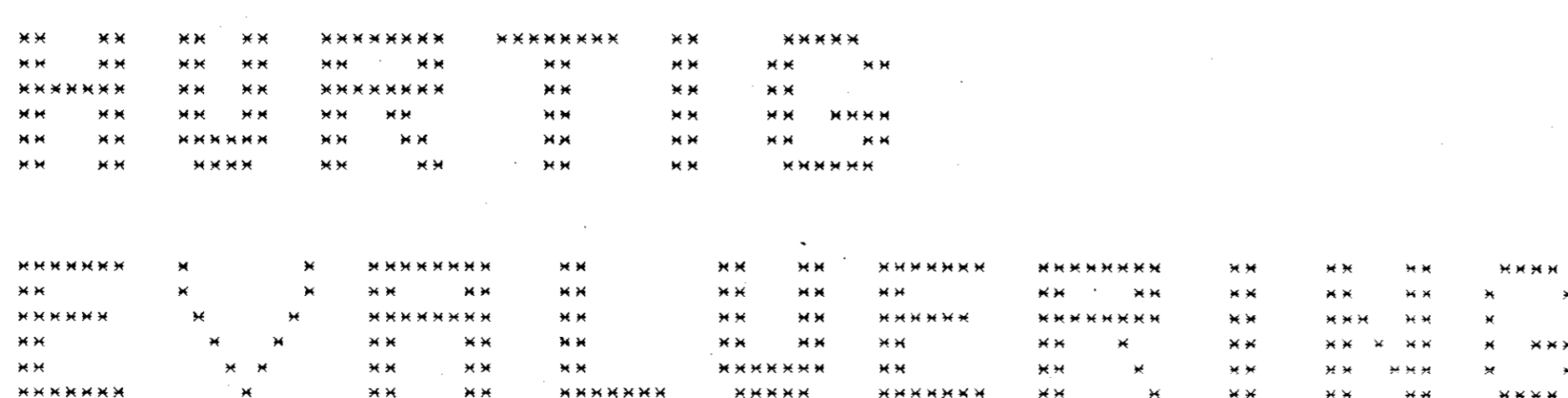


STATOIL DATA PROCESSING CENTER  
**PLOT MADE BY:** A NICOLAYSEN     **DATE:** 14.14.18 30 MAI 1984  
**DEPARTMENT :** RES. PETROFYSIKK  
**ADDRESS/BOX :** FABRIKKVEIEN  
**OTHER INFO :**

**GRAPHICAL LOG-PRESENTATION**  
**WELL :** 91-2-13     **DEPTH INTERVALL :** 1700.00-2010.00 (METER)  
**ENGINEER :** RN     **SCALE :** 1:200  
**DATE:** 14.14.26 30 MAI 1984



**PETROPHYSICAL EVALUATION**

INTERVALL	TVD	MD
1505 - 1726 M(RKB)		1700 - 2010 M(RKB)

START: GRAPHY  
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SDGN FM	1526.00 - 1585.00 M(RKB)	1731.50 - 1815.50 M(RKB)
LAR 1A	1526.00 - 1557.50 M(RKB)	1731.50 - 1776.00 M(RKB)
LAR 1B/C	1557.50 - 1585.00 M(RKB)	1776.00 - 1815.50 M(RKB)
HEATHER C FM	1585.00 - 1669.25 M(RKB)	1815.50 - 1931.50 M(RKB)
FENS FM	1669.50 - 1726.00 M(RKB) TO	1931.50 - 2010.00 M(RKB) TO

**SUMMARY OF RESULTS :**

FORMATION	WELL	INTERVALL	NET PAY	FLUID CONTACTS	TOTAL INT.	TOTAL NET SAND	Avg. POR. NET SAND	Avg. SW NET SAND	Avg. VSH TOTAL INT.
SDGN 1A	3172-13	1526.00-1557.25	41.00		44.25	41.25	28.5	8.4	0
SDGN 1B-C	-	1557.50-1584.75	34.75	1568.00	39.25	34.75	30.0	6.5	0
HEATHER C	-	1585.00-1669.25	10.50	1593.00	115.50	110.25	21.1	94.2	0
FENS	-	1669.50-1726.00	0.0		76.50	72.75	23.1	100.0	0

M(RKB-TVD)     M(RKB-MD)     M(RKB-TVD)     M(RKB-MD)     %     %     %

APPLIED CUTOFFS:  
PHIF 1.12  
SW 1.65

PETROPHYSICAL EVALUATION :  
METHOD : THE NORTH SEA EQUATION WAS USED FOR THE SW-CALCULATIONS.

INPUT PARAMETERS:  
MUD : OIL BASED MUD (1.2 G/CC)  
FORMATION : RHOMR(G/CC)=2.65     RW (DHMM) AT F1 =0.07     N = 2.0  
FT (DEG.C.) =59.9     VSH.EXP=1.6     R = 1.0

**GENERAL INFORMATION**

CURVE IDENTIFICATION     LOG (SCHLUMBERGER)

CAL	= CALIPER (INCH)	.....LOT/CNL	RVD	= RESISTIVITY: INVADZ ZONE (DHMM)	.....COMPUTED
BIT	= BIT SIZE (INCH)	.....AT	RES	= RESISTIVITY: NONINVADZ ZONE (DHMM)	.....COMPUTED
MUD	= MUDCAKE (CALIPER - BITSIZE)	.....LOT	VSH	= SHALE VOLUME (FRACTIONS)	.....COMPUTED
GR	= GAMMA RAY (API UNITS)	.....LOT	PHIF	= FINAL POROSITY (FRACTIONS)	.....COMPUTED
RHOB	= BULK DENSITY (G/CM*3)	.....LOT	DPORR	= DEPTH SHIFTED CORE HELIUM POROSITY (FRACTIONS)	.....FROM CORE
PHIN	= NEUTRON POROSITY (L.S. UNITS)	.....CNL	SW	= WATER SATURATION (FRACTIONS)	.....COMPUTED
DT	= SDC ACUSTIC TRAVEL TIME (MS/CM)	.....CNL	OSMPC	= DEPTH SHIFTED CORE SW FROM CALIP. PRESS. DATA FROM CORE	.....COMPUTED
RSFL	= MICROSPHERICAL RESISTIVITY (DHMM)	.....DLL (BHC)	DKLH	= DEPTH SHIFTED HORIZ. PERMEABILITY (M-DARCT)	.....FROM CORE
RLLS	= SUR. LATERAL LOG - SHALLOW (DHMM)	.....DLL	KLDCR	= CALCULATED PERMEABILITY (K-R) RELATION	.....COMPUTED
RLLD	= SUR. LATERAL LOG - DEEP (DHMM)	.....DLL	DRHMR	= DEPTH SHIFTED GRAIN DENSITY (G/CM*3)	.....FROM CORE
RILD	= INDUCTION RES. - DEEP (DHMM)	.....ILD			

NOTE: DEPTH CORRECTED HELIUMPOROSITY (DPORHE); HELIUMPOROSITY FROM CORE ANALYSIS (PORHE) IS DEPTH-CORRECTED TO MATCH FINAL POROSITY FROM LOG EVALUATION (PHIF). THE SAME DEPTH CORRECTION IS APPLIED TO HORIZONTAL PERMEABILITY (DKLH); GRAIN DENSITY (DRHMR) AND OSMPC. CORE POROSITY HAS NOT BEEN CORRECTED FOR THE OVERBURDEN EFFECT.

ENGINEER: RUNE NICOLAYSEN

