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** 15/9-19SR ******************************************************************
** START **********************************************************************
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DATE: 04/2002

Interpreter: Susanne Hadland

UNITS:

4175.50 - 4304.00	CROMER KNOLL GP.
4304.00 - 4316.50	VIKING GP.
4316.50 - 4340.00	VESTLAND GP.
4316.50 - 4340.00	Hugin Fm.
4340.00 - 4641.00	HEGRE GP.
4340.00 - 4579.00	Skagerrak
4579.00 - 4641.00	Smith Bank Fm.

EVALUATION: 4175 - 4641 m

WATER DEPTH: 84 m (completion log)

LOGS for PETROEVAL:

BIT SIZE (LFP_BS): BS (Version: SFINX)
CALIPER (LFP_CALI): CALI (Version: SFINX

GAMMA RAY (LFP_GR): GR (Version: STAT in main project)

NEUTRON POROSITY (LFP_NPHI): NPHI (Version: STAT in main project)

VELOCITY (LFP_DT): DT (Version: STAT in main project)

DENSITY (LFP_RHOB): RHOB (Version: STAT in main project)

RESISTIVITY (LFP_RT): RT (Version: STAT in main project)

(LFP_RXO): set to NULL

SHALE VOLUME:

	GRMIN(lin.)	GRMAX(lin.)	NPHISH	SLOPE	VSH_METHOD
Roedby Fm.	LFP_GRMIN	LFP_GRMAX	LFP_NPHISH	1.00	GR/DN
Draupne Fm.	LFP_GRMIN	LFP_GRMAX	LFP_NPHISH	1.00	GR/DN
Heather Fm.	LFP_GRMIN	LFP_GRMAX	LFP_NPHISH	1.00	GR/DN
Hugin Fm.	LFP_GRMIN	LFP_GRMAX	LFP_NPHISH	1.60	GR/DN
Sleipner Fm.	LFP_GRMIN	LFP_GRMAX	LFP_NPHISH	1.00	GR/DN
Skagerak Fm.	LFP_GRMIN	LFP_GRMAX	LFP_NPHISH	1.00	GR/DN
Smith Bank Fm.	LFP_GRMIN	LFP_GRMAX	LFP_NPHISH	1.00	GR/DN

MATRIX DENSITY: 4175m - Hugin Base: 2.65 g/cc
4340 - 4370 m : 2.685 g/cc
4370 - 4641 m : 2.67 g/cc
LFP_RHOMANC

TEMPERATURE: copied and extrapolated curve of 15/9-19Bt2

4250-4641m
"LFP_TEMP" =59.21866989136 + 0.01273194794 * "DEPTH"

PRESSURE: copied and extrapolated curve of 15/9-19Bt2
"LFP_PRESS" = -37.53221893311 + 0.09352748841 * "DEPTH"

SALINITY: 150000 ppm

HYDROCARBON: GAS: gas gravity: 0.92

OIL:
API 25.89 (0.899) [API] (g/cc)
GOR 109 [Sm3/Sm3]
gas gravity 0.84 (oil associated gas)

FLUID EVAL. "LFP_WATER" = 0;
"LFP_OIL" = 1;
"LFP_GAS" = 0;
"LFP_RHOHW" = "LFP_RHOO";
"LFP_RHOMF" = "LFP_RHOO";
"LFP_KFLMF" = "LFP_KFLO";
oil based mud (petrofree)

DATA: DT
DT_SYNT: VSH-Gardner
0.34/0.04/4.0 4175 - 4316 m
0.32/0.04/4.0 4316 - 4340 m (Hugin)
0.33/0.04/4.0 4340 - 4641 m

DT_SYNT used in
4295.00 - 4298.93 m
4375.66 - 4379.75 m
4457.00 - 4464.00 m
4490.00 - 4501.00 m

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4575 - 4587.88 m
4589.75 - 4591 m

RHOB: (not used SYNT)
RHOB_SYNT: VSH-Gardner (not used)
0.33/0.020/0.25 4175 - 4316 m
0.31/0.022/0.25 4316 - 4340 m (Hugin)
0.32/0.020/0.25 4340 - 4641 m

(RHOB, DT correspond,)

DTS: Greenberg-Castagne

LFP_MODEL: Hugin =3 , rest 1

LFP_COAL: set to 0.00

PETROEVAL: RMF=0.02 (default) not used (RXO set to NULL)
BE(B/O/G)=0.2/0.2/0.2
a=1.00
m=2
n=2
Carbonate DT: 77
Carbonate RHOB: 2.65
Sand PHIE: 0.1 in general/ in Hugin: 0.001
Sand VSH: 0.5 in general/ in Hugin: 0.99

COMMENTS:

FLUID REPLACEMENT MODELING:

LFP_SUBST: 0,
LFP_SUBST=LFP_SAND for Hugin

SOT/SGT_SUBST:
(1.00-(1.00-(LFP_PHIE/LFP_PHIT)*(1.0-0.1)))*LFP_SUBST

density log qualifier: 0
correction qualifier: 1
far offset angle: 30

** END **********