

Report

Title

GEOLOGICAL SUMMARY

**WELL 15/9-F-5
PL 046
VOLVE FIELD**

Grading:
Ugradert

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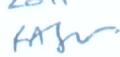

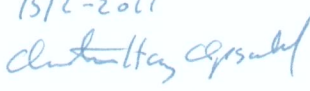

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Input by:
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Author(s)/Source(s):
R. Gower, T. Flatebø

Subjects:

Geological Summary comprising Completion Log, Structural Maps and Stratigraphic Tops.

Drawn up by: GO STA WSG	Name: R. A. Gower	Date / Signature 2/2/2011 
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Recommended by: GO STA DWE	Name: C. H. Opsahl	Date / Signature 15/2-2011 
Approved by: BVV PTC VGW	Name: E. Rundhovde	Date / Signature 15/2-11 

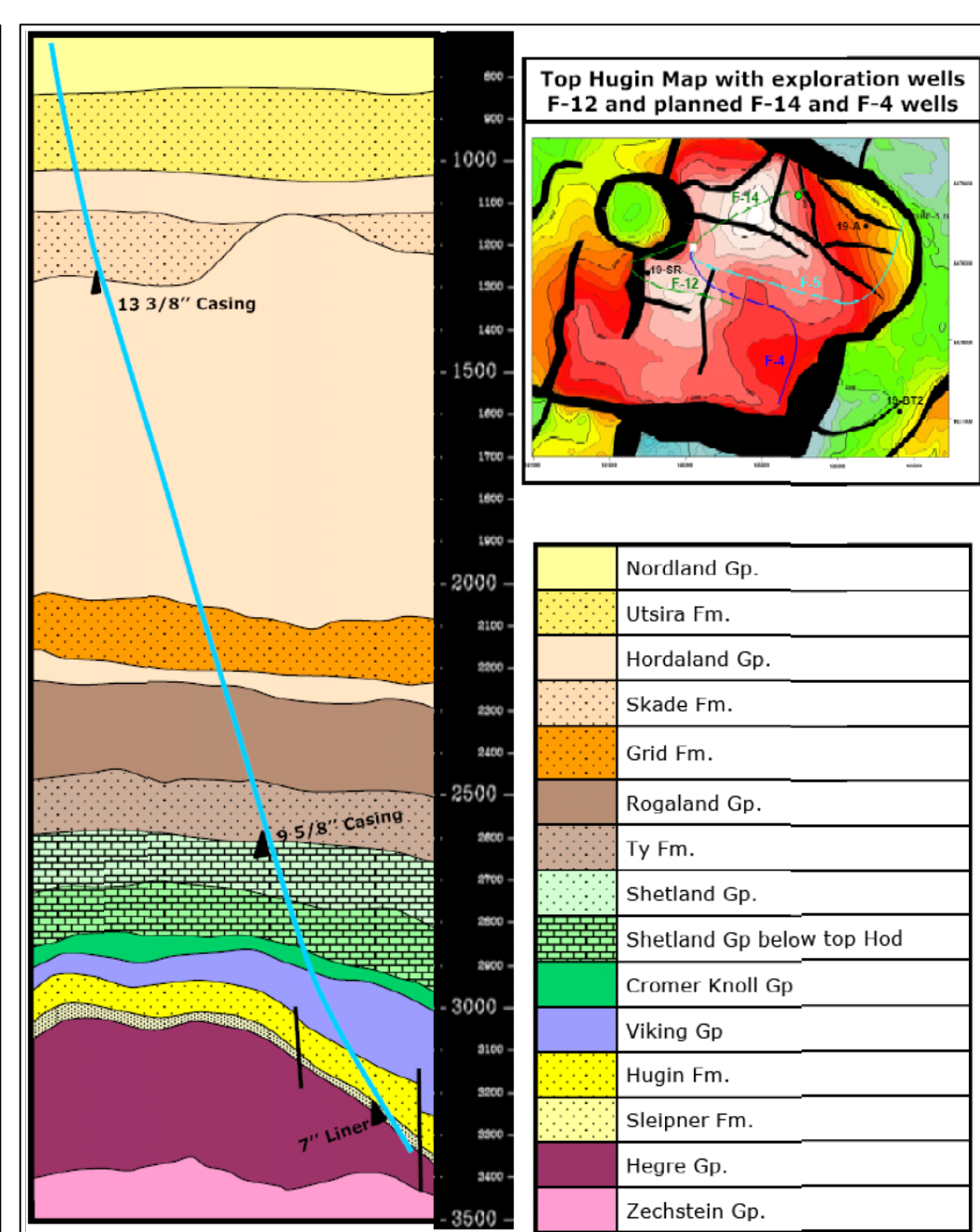


GEOLOGICAL SUMMARY

Volve

Scale: 1 / 500

Well: 15/9-F-5












































































































KB Elevation	54.9m	Country	Norway
Water Depth	91.0 m	Licence	PL 046BS
Depth Reference	RKB		
Total Depth (Driller)	3792m MD RKB 3246.4m TVD RKB	Owners	Statoil, Exxon Mobile, Bayern Gas
Formation at TD	Sleipner Fm.		
Date Spudded	15.11.2007	Field Rig	Volve Mærsk Inspirer
Date Reached TD	29.07.2008		
Date Completed	27.08.2008		
Well Status	Injector	Drilling Contractor	Mærsk
		Mudlogging Company	Geoservices
		Logging Company	Schlumberger
Well Classification	Injector in Hugin	MWD Company	Schlumberger
		Geologists	A. M. Horn, B. Østbo, A. Ambrossi
Prepared by	R. Gower		
Controlled by	T. Flatebø		
Date	15.07.2010		
Revision	0		
Well Coordinates	Geographic : 58° 26' 29.657" N 1° 53' 14.990" E		
	UTM : 6478558,87m N 435050,95m E		

Casing Records		
Diameter	Shoe depth m MD RKB	Shoe depth m TVD RKB
30" Casing shoe	220.8	220.8
13 3/8" Casing shoe	1404.7	1340.3
9 5/8" Casing shoe	2921	2608.6
7" Liner hanger	2809	2512.6
7" Liner shoe	3790	3245.2

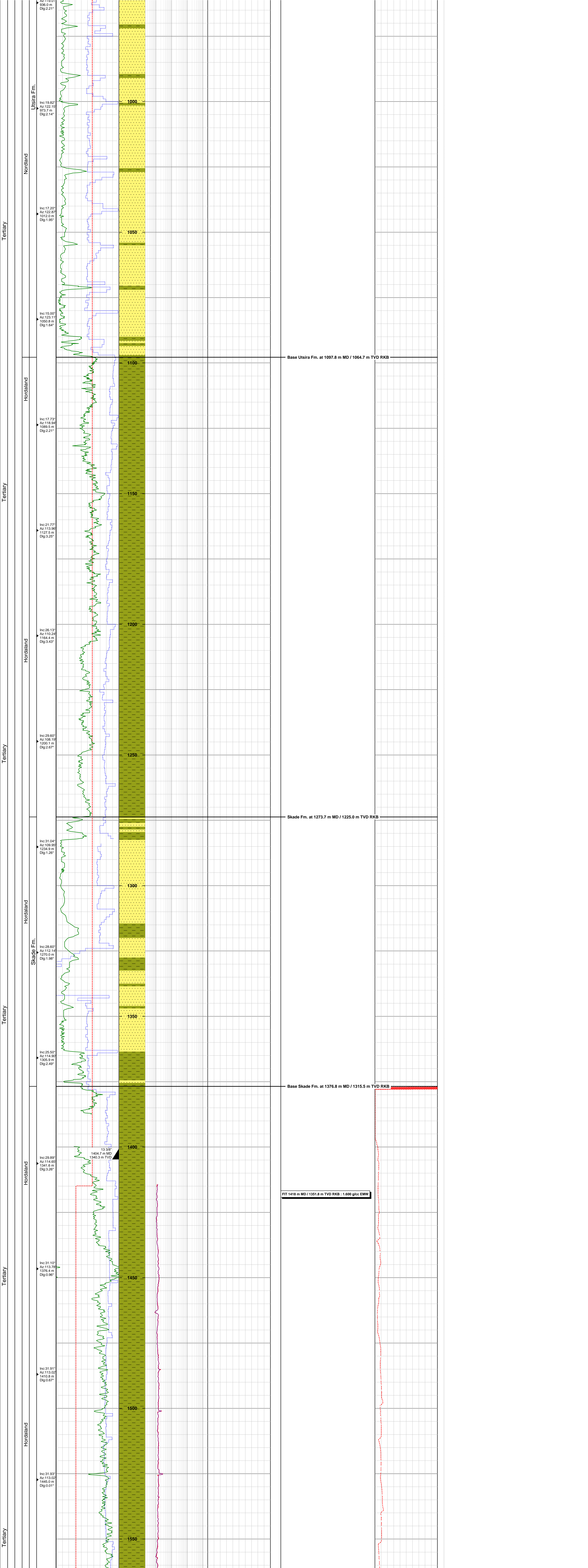
Logs		
Run no.	Log type	Logged interval
1	POWERPULSE	144 - 226m
2	POWERPULSE	226 - 1415m
3	TELESCOPE	1415 - 2930m
4	ECOSCOPE, STETHOSCOPE, VSONIC6	2930 - 3292.5m
5	ECOSCOPE, STETHOSCOPE, VSONIC6	3292.5 - 3792m

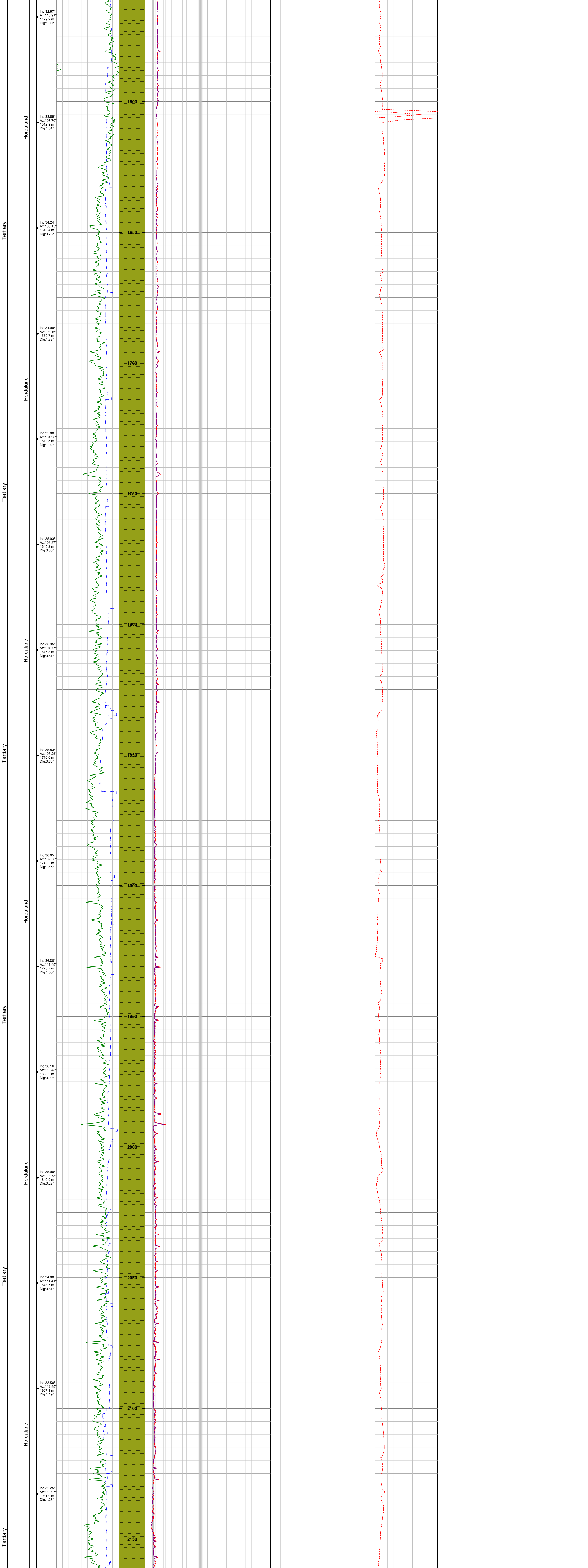
Screen Intervals		
Interval no.	Screen top m MD RKB	Screen bottom m MD RKB
No screen intervals		

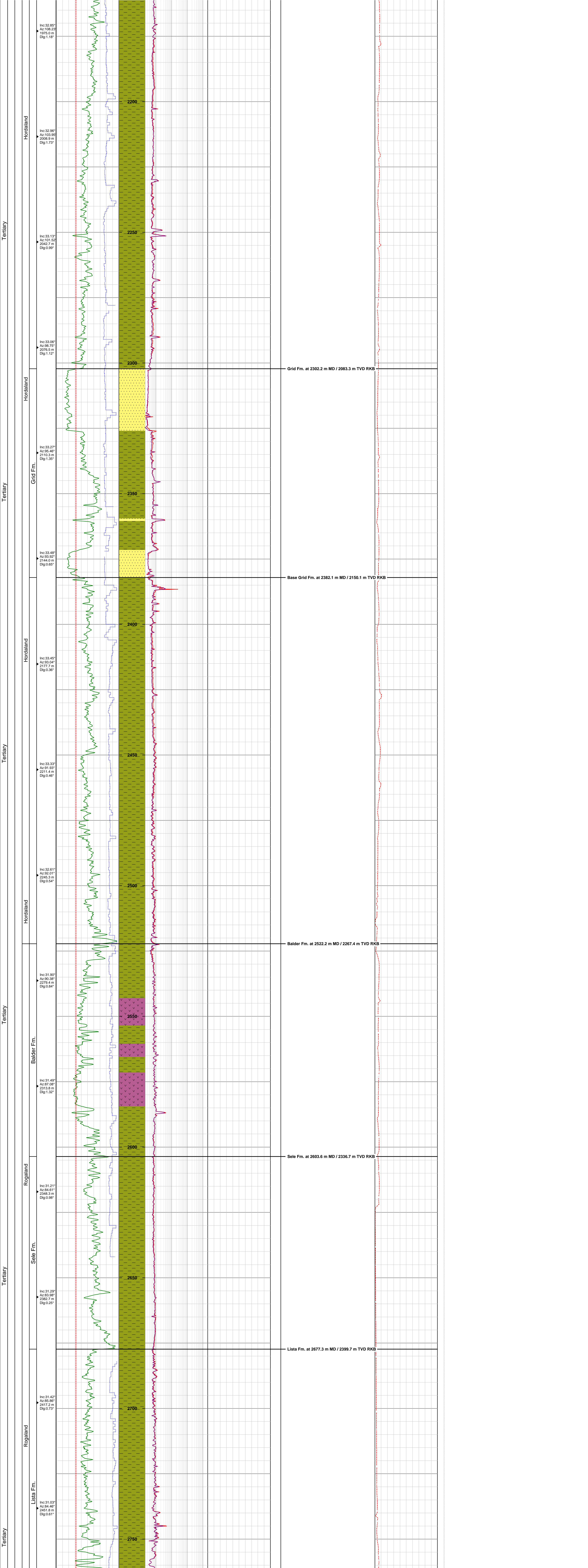
Pressure points (Stethoscope)							
Test no.	Depth m MD RKB	Depth m TVD RKB	Pressure bar	Test no.	Depth m MD RKB	Depth m TVD RKB	Pressure bar
1	3530	3092.21	302.65				
2	3552	3105.64	303.67				
3	3615	3142.37	306.17				
4	3697	3189.52	310.8				
5	3687	3183.75	309.43				
6	3660	3168.28					
7	3643	3158.51					
8	3522	3087.18					

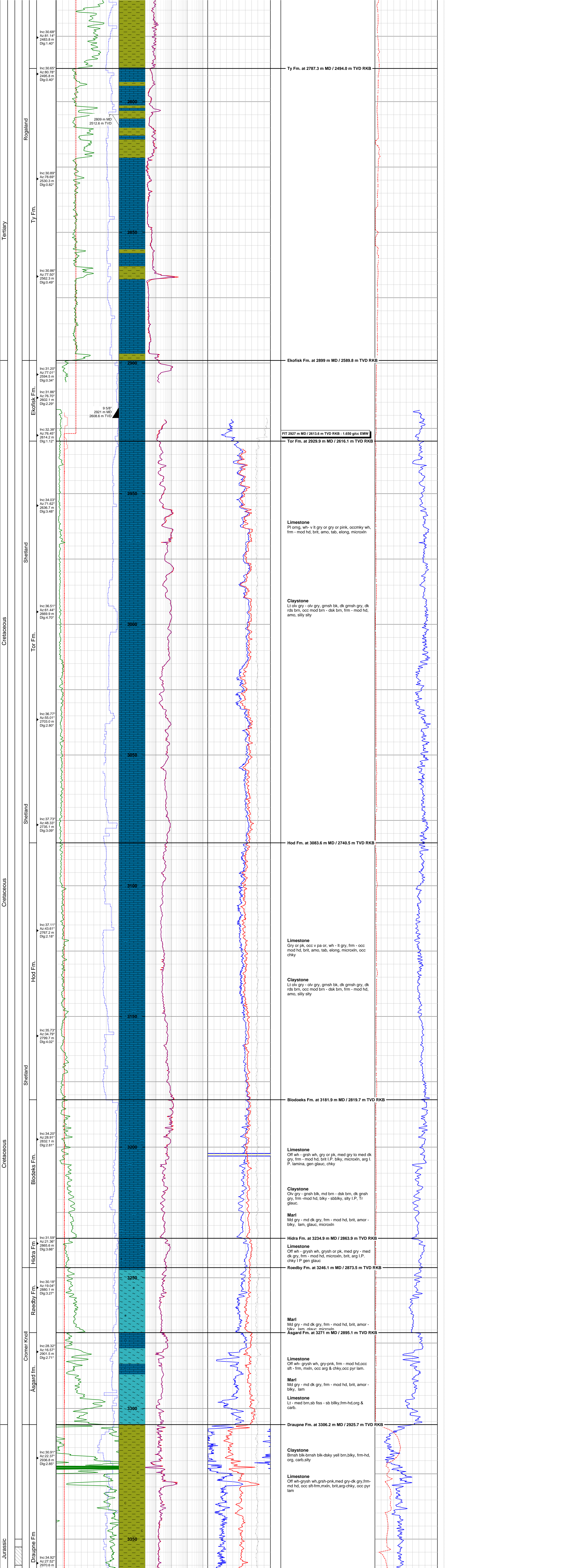
Lithology Legend				Symbol legend						
	CONGLOMERATE		MARL		SANDY, VERY		GLAUCONITE		BITUMINOUS	<div><div> Casing shoe</div><div> Liner hanger</div><div> Liner shoe</div><div> Milled window</div></div> <div><div>DST</div><div> Open hole (rerun)</div><div> Through casing</div><div> Through casing (rerun)</div></div>
	SEDIMENTARY BRECCIA		CHALK		SANDY		HALITE		TUFFACEOUS	
	SAND / SANDSTONE		LIMESTONE		SANDY, SLIGHTLY		PYRITE		CHALKY	
	SILT / SILTSTONE		DOLOMITIC LIMESTONE		SILTY, VERY		SIDERITE		COAL FRAGMENTS	
	FISSILE SILTSTONE		CALCAREOUS DOLOMITE		SILTY, SLIGHTLY		MICA		CHERT	
	MUDSTONE		DOLOMITE		ARGILLACEOUS		K KAOLINITE		CHL CHLORITE	
	FISSILE MUDSTONE				CALCITE		C CARBONACEOUS		~ MARLY	
	CLAY / CLAYSTONE		GENERAL VOLCANICS		DOLOMITE		CHAMOSITE		^ ANHYDRITIC	
	SHALE		TUFF				P PHOSPHORITE			
	COAL				MACROFOSSILS, GEN.		FISH REMAINS		SPOROMORPHS	
	BROWN COAL		GENERAL INTRUSIVE		MACROFOSSIL FRAGS		FISH SCALES		STROMATOPROIDS	
	ANHYDRITE		SILICIC INTRUSIVE		MICROFOSSILS, GEN.		FORAMINIFERA		STEMS / TWIGS	
	SALT		BRACHIOPODS		SHELL BED		GASTROPODS		LEAF BLADES	
	GYPSUM		MAFIC INTRUSIVE		ALGAE		GRAPTOLITES		TRILOBITES	
			DYKES & SILLS		AMMONITES		CONODONTS		VERTEBRATES	
					BELEMNITES		CORALS		MAR. MICROPLANKTON	
					BRACHIOPODS		CRINOIDS		OOZE	
					BRYOZOA		BIVALVES		PLANT REMAINS	
					CHAROPHYTES		SPI			
					ECHINOIDS		OSTRACODS			
					CALCITE CEMENTED		Q QUARTZ CEMENTED		Sm SMECTITE CEMENTED	
					DOLOMITE CEMENTED		K KAOLIN CEMENTED		Chl CHLORITE CEMENTED	
					SIDERITE CEMENTED		I ILLITE CEMENTED		== CARBONATE CEMENTED	
					CONCRETIONS, GEN.		O PISOLITHS		● PELLETS	
					OIDS		◇ CLASTS		⊖ PSEUDO OOLITHS	

STRATIGRAPH																					
SYSTEM		SERIES		STAGE		GROUP		FORMATION		DIRECTIONAL SURVEYS		GAMMA RAY		RESISTIVITY		NEUTRON/DENSITY		LITHOLOGICAL DESCRIPTION		SONIC	
Quaternary												Depths m MD RKB									
Quaternary												LITHOLOGY		0.2 Resistivity Deep ohmm		1.95 DENC g/cc				140 AC µs/ft	
Quaternary														0.2 Resistivity Med. (shallow) ohmm		0.45 NEU frac				0 TGAS %	
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Quaternary																					









Output log file created : 14/02/2011 15:23:25
Winlog well ID : 15_9_F_5
StatOilHydro well ID : 99999
Template version : v4.0 [20080515] - AJC
Project file version : v4.00
Designed for Winlog Version 4