

Well no : 6609/ 5-01

Operator : STATOIL

Coordinates : 66 37 42.73 N
09 24 52.17 E

UTM coord. : 7390220
518349

Licence no : 80

Permit no : 439

Rig : WEST VANGUARD

Rig type : SEMI-SUB.

Contractor : A/S SMEDVIK DRILLING CO.

Bottom hole temperature : 97.2 deg.C

Elev. KB : 22 M

Spud. date : 84.11.03

Water depth : 292 M

Compl. date : 85.01.05

Total depth : 3600 M

Spud. class : WILDCAT

Form. at TD : TRIASSIC

Compl. class : P&A. DRY HOLE

Prod. form :

Seisloca : EL 8204-833 SP. 167

LICENSEES

15.000000 ESSO NORGE A.S
5.000000 NORSK HYDRO PRODUKSJON A.S
30.000000 PHILLIPS PETROLEUM NORSK A/S
50.000000 DEN NORSKE STATS OLJESELSKAP A.S

CASING AND LEAK-OFF TESTS

Type	Casing diam.	Depth below KB	Hole diam.	Hole depth below KB	Lot mud eqv. g/cm ³
CONDUCTOR	30	389.0	36	389.0	
SURF.COND.	20	806.0	26	820.0	1.49
INTERM.	13 3/8	1660.0	17 1/2	1676.0	1.98
INTERM.	9 5/8	3103.0	12 1/4	3125.0	2.18
OPEN HOLE			8 1/2	3600.0	

CONVENTIONAL CORES

Core no.	Intervals cored meters	Recovery M %	Series
1	3009.0 - 3026.3	17.3 100.0	UPPER CRETACEOUS

MUD PROPERTIES

Depth below KB meter	Mud weight g/cm ³	Plastic viscosity mPa.s	Mud type
624.000	1.07	3.0	WATER BASED
823.000	1.10	6.7	WATER BASED
1344.000	1.12	7.0	WATER BASED
1676.000	1.25	23.0	WATER BASED
1748.000	1.30	19.0	WATER BASED
2130.000	1.70	28.0	WATER BASED
3125.000	1.40	14.0	WATER BASED

DRILL STEM TEST

NO DST'S WERE PERFORMED IN THIS WELL

DRILL BIT CUTTINGS AND WET SAMPLES

SAMPLE TYPE	INTERVAL BELOW KB	NUMBER OF SAMPLES
Cutting	390 - 3600	520
Wet Samples	390 - 3597	500

SHALLOW GAS

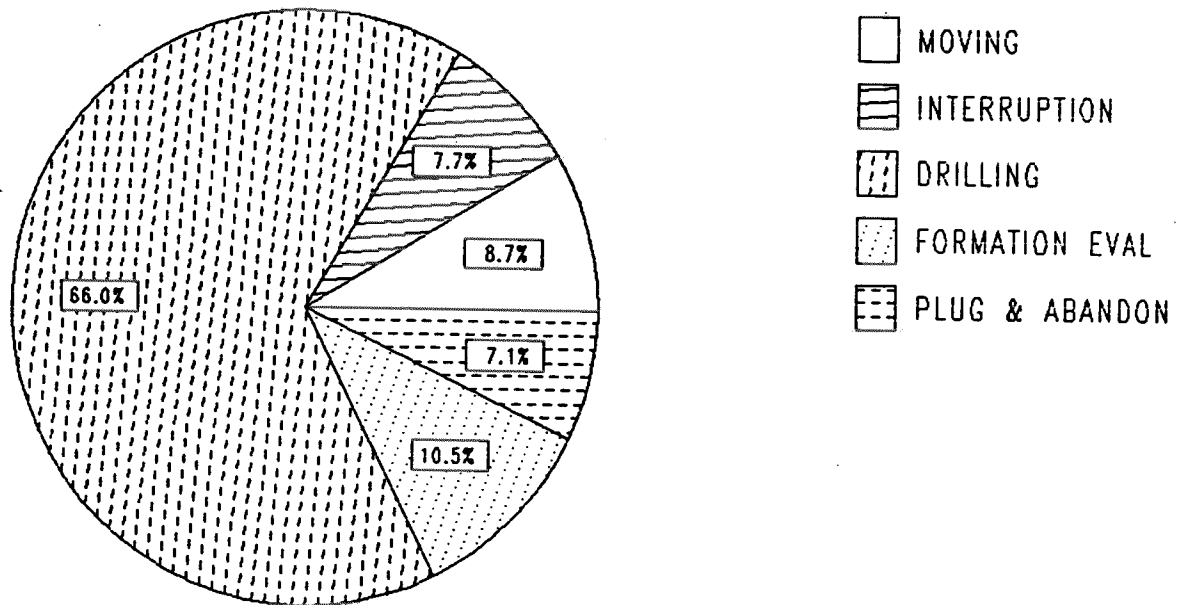
Interval below KB	REMARKS
	NONE

AVAILABLE LOGS

LOG TYPE	INTERVALS	1/200	1/500
ISF BHC GR	300 - 3601	X	X
LDL	388 - 820	X	X
LDL	805 - 1669	X	X
LDL CNL	1660 - 3117	X	X
LDL CNL NGS	3103 - 3601	X	X
ISF BHC LDL CNL	300 - 3601	X	X
CDM AP	1659 - 3117	X	X
CDM AP	3105 - 3600	X	X
SHDT	1660 - 3118	X	
SHDT	3103 - 3602	X	
NGS	3103 - 3592	X	
DLWD (DOWNHOLE LOGGING WHILE DRILLING)	823 - 3600		X
RFT	2856 - 3004	X	
RFT	3001 - 3018	X	
RFT	3140 - 3515	X	
CASED HOLE RFT	3103 - 3601	X	
CDL VDL	330 - 1660	X	
CDL VDL CCL	1195 - 3103	X	
MUD	380 - 3600		X
VELOCITY	300 - 3601	1:1000	X
(+ Airgun Well Velocity Survey and Calibr. data, 1 stk)			
(+ Synthetic Seismogram, Marine, 10 cm/s, 1 stk)			
(+ Synthetic Seismogram, 10 cm/s, 2 stk)			
(+ V.S.P., display 1-7, 10 cm/s, 9 stk)			

DAILY DRILLING REPORT SYSTEM

Main operation : 6609/05-01



Total : 1704 HRS

Main operation	Minutes	Hours	% of total
MOVING	8850	147.50	8.66
INTERRUPTION	7920	132.00	7.75
DRILLING	67500	1125.00	66.02
FORMATION EVAL	10710	178.50	10.48
PLUG & ABANDON	7260	121.00	7.10

MAIN OPERATIONS WELL : 6609/05-01

MAIN OPERATION: DRILLING

Sub operations	Min	Hrs	% of total
DRILL	33900	565.00	50.22
CIRC/COND	4050	67.50	6.00
TRIP	14370	239.50	21.29
OTHER	960	16.00	1.42
SURVEY	210	3.50	0.31
HOLE OPEN	750	12.50	1.11
CASING	5460	91.00	8.09
WAIT	210	3.50	0.31
BOP/WELLHEAD EQ	3510	58.50	5.20
UNDERREAM	2280	38.00	3.38
REAM	570	9.50	0.84
BOP ACTIVITIES	1230	20.50	1.82
TOTAL	67500	1125.00	

MAIN OPERATION: MOVING

Sub operations	Min	Hrs	% of total
TRANSIT	6300	105.00	71.19
ANCHOR	2220	37.00	25.08
POSITION	330	5.50	3.73
TOTAL	8850	147.50	

MAIN OPERATION: FORMATION EVAL

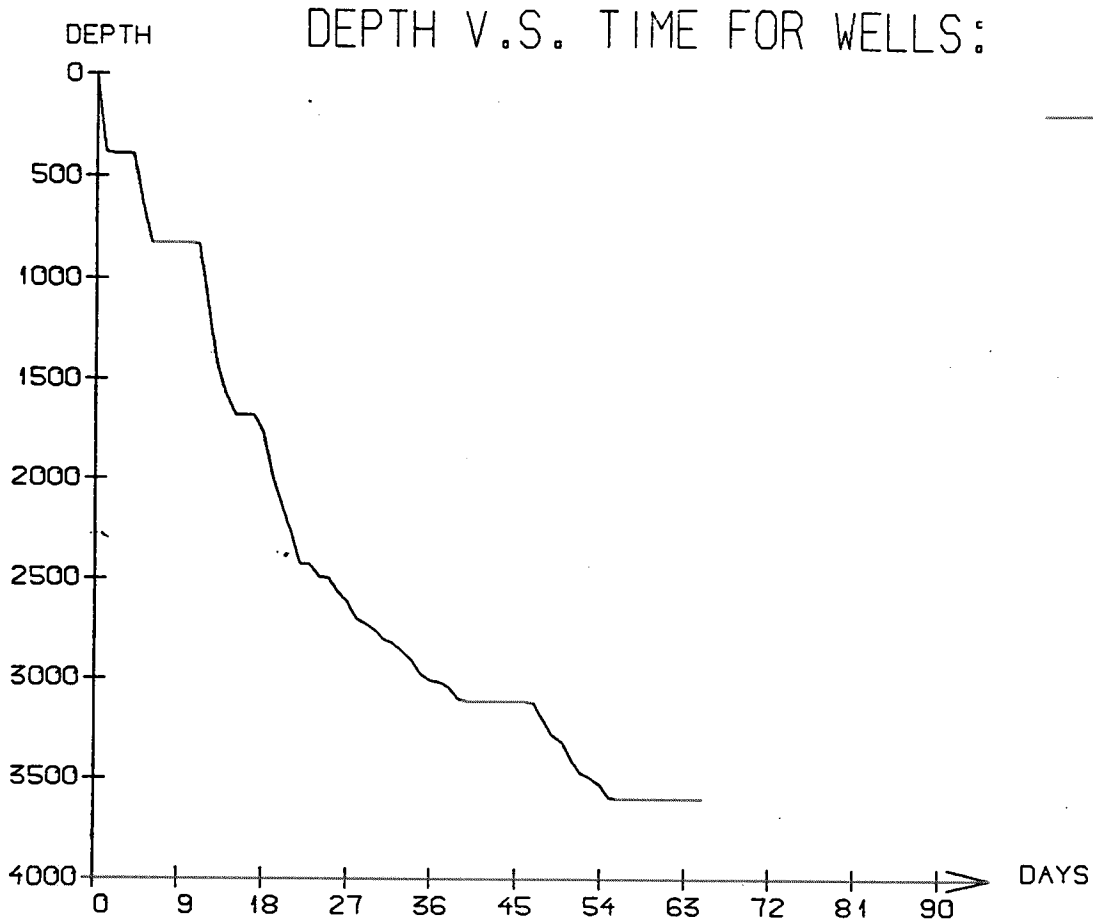
Sub operations	Min	Hrs	% of total
LOG	6900	115.00	64.43
RFT/FIT	420	7.00	3.92
CIRC SAMPLES	360	6.00	3.36
TRIP	2010	33.50	18.77
CIRC/COND	450	7.50	4.20
CORE	450	7.50	4.20
OTHER	120	2.00	1.12
TOTAL	10710	178.50	

MAIN OPERATION: INTERRUPTION

Sub operations	Min	Hrs	% of total
MAINTAIN/REP	2010	33.50	25.38
WAIT	4110	68.50	51.89
LOST CIRC	60	1.00	0.76
FISH	1080	18.00	13.64
OTHER	660	11.00	8.33
TOTAL	7920	132.00	

MAIN OPERATION: PLUG & ABANDON

Sub operations	Min	Hrs	% of total
TRIP	2790	46.50	38.43
CIRC/COND	780	13.00	10.74
CEMENT PLUG	600	10.00	8.26
WAIT	120	2.00	1.65
MECHANICAL PLUG	330	5.50	4.55
OTHER	870	14.50	11.98
PERFORATE	240	4.00	3.31
CUT	300	5.00	4.13
EQUIP RECOVERY	1230	20.50	16.94
TOTAL	7260	121.00	



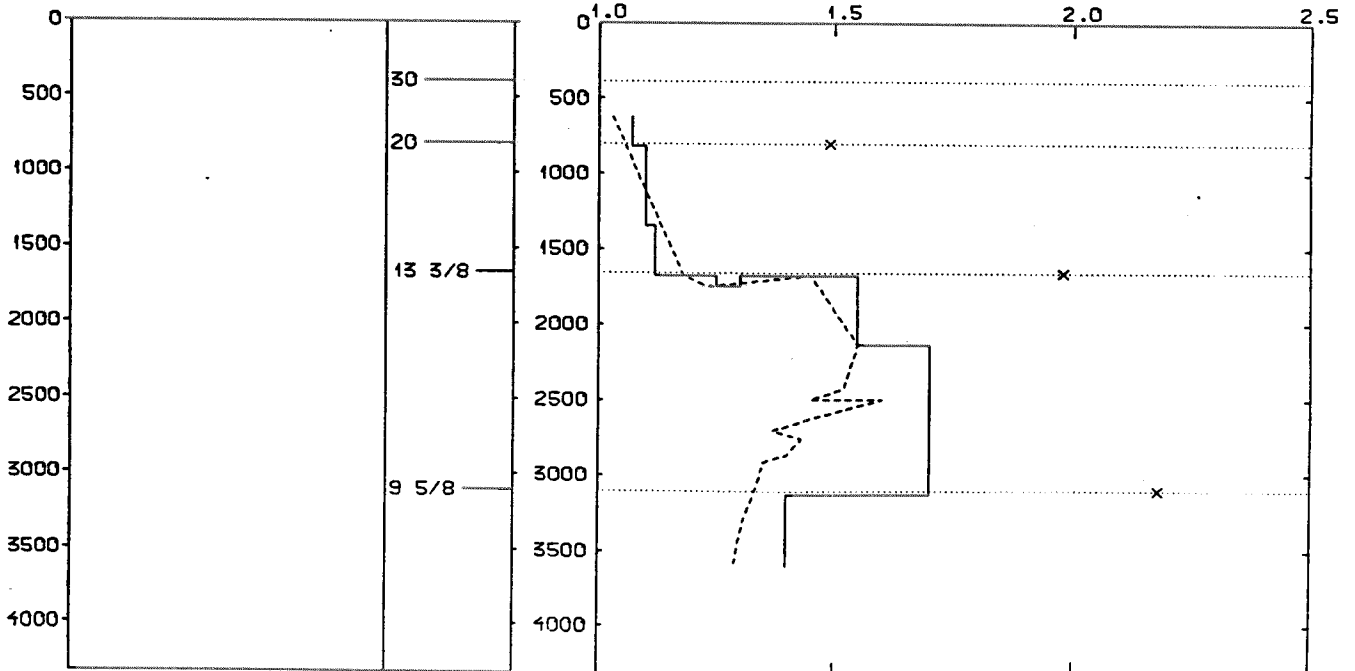
WELL: 660905 01 PRESSURE COMPOSITE PLOT

DEPTH
(RKB)
(METERS)

CASING

PRESSURE GRADIENTS
(g/ccm)

— MUDWEIGHT (REPORT)
 - - - PORE PRESSURE (REPORT)
 x LEAK-OFF (REPORT)



Well History 6609/ 5-1.

General:

The wildcat well 6609/ 5-1 was drilled on horst structure in the western part of block 6609/5, of the Trana-banken area, which is mainly a result of the Late Kimmeridgian orogenic phases. The main objective of the well was Upper Trias sandbodies, at a projected depth of 3600 m, or possibly Lower Jurassic sands. Compared to the Haltenbanken area, there is excellent reservoir parameters as seen in the Permian Sst. of the Nordland Ridge and Jurassic - and Cretaceous Sst. of the Tran Basin.

Operations:

Well 6609/5-1 was spudded 3 November 1984 by Smedvigs semi-submersible rig West Vanguard, and completed 5 January 1985 at a depth of 3600 m RKB. Possible Early Cretaceous sand- and silt layers were showing indications of hydrocarbons encountered at a depth of 2195 m. Similar indications were seen in a silt between 2580 m and 2595 m. There were also some weak shows in a sand at 2987 m of possible Cenomanian to Turonian age. Logs display that these shows are residuals.

Cores were taken between 3009 m and 3020 m in a sand with weak shows. At 3066 m there is a distinct change in lithology colors, from grey-brownish to reddish colors. These rocks are of possible Triassic age. The well was plugged and abandoned as a dry well.

Few technical problems occurred during the drilling period.

Testing:

The well was not tested.

GEOLOGICAL TOPS

WELL: 6609/05-01

	<i>Depth m (RKB)</i>
<i>Nordland Group</i>	314
<i>Naust Fm.</i>	314
<i>Kai Fm.</i>	1566
<i>Hordaland Group</i>	1743
<i>Brygge Fm.</i>	1743
<i>Rogaland Group</i>	1829
<i>Tare Fm.</i>	1829
<i>Tang Fm.</i>	1930
<i>Shetland Group</i>	2132
<i>Springar Fm.</i>	2132
<i>Nise Fm.</i>	2395
<i>Kvitnos Fm.</i>	2724
<i>Cromer Knoll Group</i>	2855
<i>Lange Fm.</i>	2855
<i>Triassic</i>	3066
<i>Red-beds/Grey-beds.</i>	3066
<i>T.D.</i>	3600