

Well no : 6407/ 6-02

Operator : STATOIL

Coordinates : 64 42 29.56 N  
07 40 32.59 E

UTM coord. : 7176774  
436871

Licence no : 92

Permit no : 484

Rig : WEST VANGUARD

Rig type : SEMI-SUB.

Contractor : A/S SMEDVIK DRILLING CO.

Bottom hole temperature : deg.C

Elev. KB : 22 M

Spud. date : 85.10.04

Water depth : 221 M

Compl. date : 85.10.06

Total depth : 523 M

Spud. class : WILDCAT

Form. at TD :

Compl. class : ABAND. AFTER BLOWOUT

Prod. form :

Seisloca : ST 8402 - 123 SP. 750

## LICENSEES

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10.000000 BRITOIL NORGE A/S  
 40.000000 MOBIL DEVELOPMENT NORWAY 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/cm3
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CONDUCTOR	30	318.0	36	323.0	

## MUD PROPERTIES

Depth below KB meter	Mud weighth g/cm3	Plastic viscosity mPa.s	Mud type
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323.000	1.06		WATER BASED
524.000	1.08		WATER BASED

## DRILL STEM TEST

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NO DST'S WERE PERFORMED IN THIS WELL  
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## DRILL BIT CUTTINGS AND WET SAMPLES

SAMPLE TYPE	INTERVAL BELOW KB	NUMBER OF SAMPLES
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Cutting

Wet Samples  
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## SHALLOW GAS

Interval below KB	REMARKS
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523 M

GAS BLOWING FROM SHALLOW SAND LAYER

## AVAILABLE LOGS

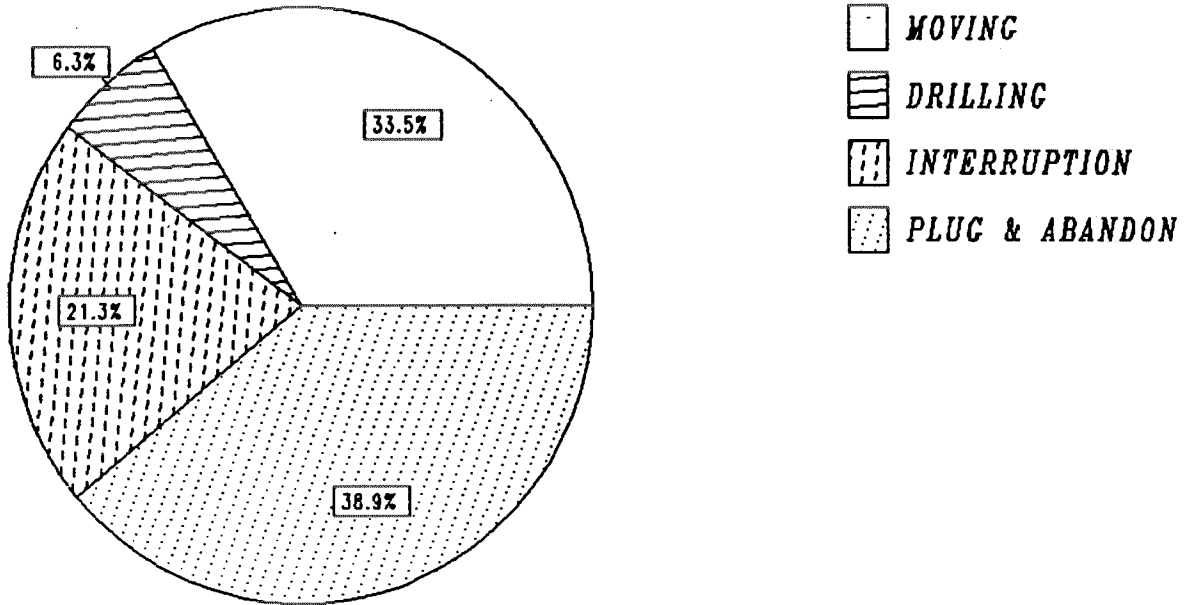
LOG TYPE	INTERVALS	1/200	1/500
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NO LOGS WERE RUN IN THE WELL 6407/6-2

# DAILY DRILLING REPORT SYSTEM

Main operation : 6407/06-02



Total : 960.00 hours

Main operation	Minutes	Hours	% of total
MOVING	19290	321.50	33.49
DRILLING	3600	60.00	6.25
INTERRUPTION	12300	205.00	21.35
PLUG & ABANDON	22410	373.50	38.91

MAIN OPERATION WELL : 6407/06-02

MAIN OPERATION : MOVING

Sub operation	Min	Hours	% of total
ANCHOR	2760	46.00	14.31
TRANSIT	16530	275.50	85.69
<b>Total</b>	<b>19290</b>	<b>321.50</b>	<b>100.00</b>

MAIN OPERATION : DRILLING

Sub operation	Min	Hours	% of total
BOP/WELLHEAD EQ	360	6.00	10.00
CASING	630	10.50	17.50
CIRC/COND	60	1.00	1.67
DRILL	1350	22.50	37.50
HOLE OPEN	420	7.00	11.67
OTHER	420	7.00	11.67
SURVEY	30	0.50	0.83
TRIP	330	5.50	9.17
<b>Total</b>	<b>3600</b>	<b>60.00</b>	<b>100.00</b>

MAIN OPERATION : INTERRUPTION

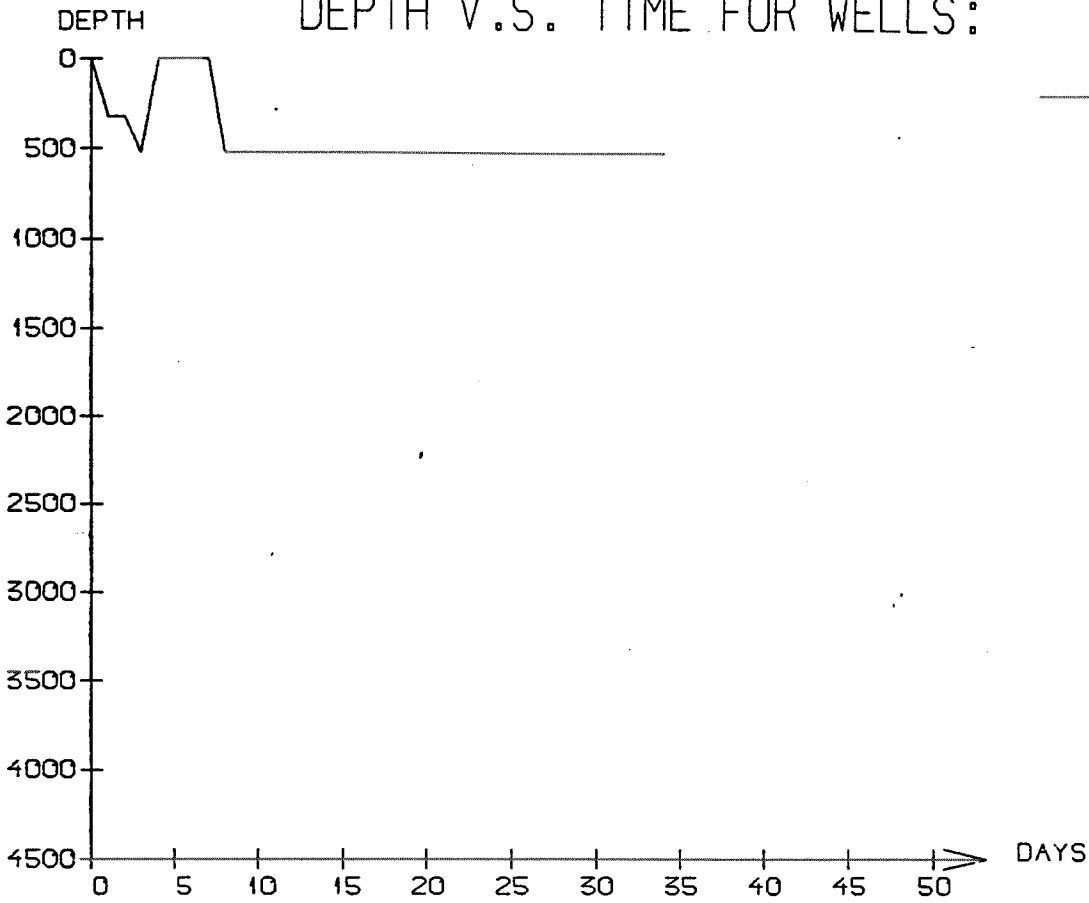
Sub operation	Min	Hours	% of total
FISH	6420	107.00	52.20
MAINTAIN/REP	2040	34.00	16.59
OTHER	120	2.00	0.98
WAIT	3720	62.00	30.24
<b>Total</b>	<b>12300</b>	<b>205.00</b>	<b>100.00</b>

MAIN OPERATION : PLUG & ABANDON

Sub operation	Min	Hours	% of total
CEMENT PLUG	1290	21.50	5.76
CIRC/COND	1889	31.48	8.43
CUT	120	2.00	0.54
EQUIP RECOVERY	1019	16.98	4.55
MECHANICAL PLUG	180	3.00	0.80
OTHER	1831	30.52	8.17
PERFORATE	120	2.00	0.54
TRIP	7561	126.02	33.74
WAIT	8400	140.00	37.48
<b>Total</b>	<b>22410</b>	<b>373.50</b>	<b>100.00</b>

# DEPTH V.S. TIME FOR WELLS:

— 6407/06- 02



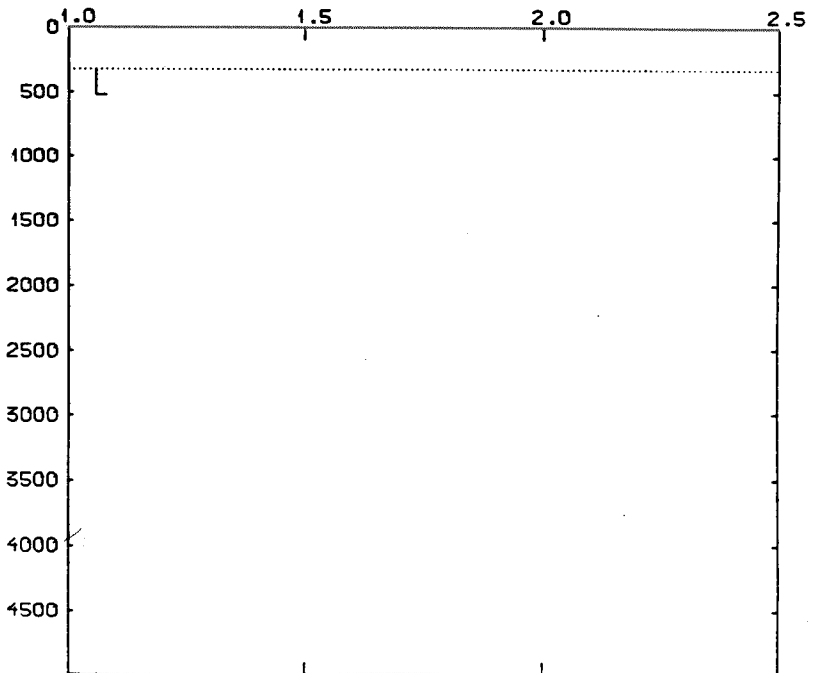
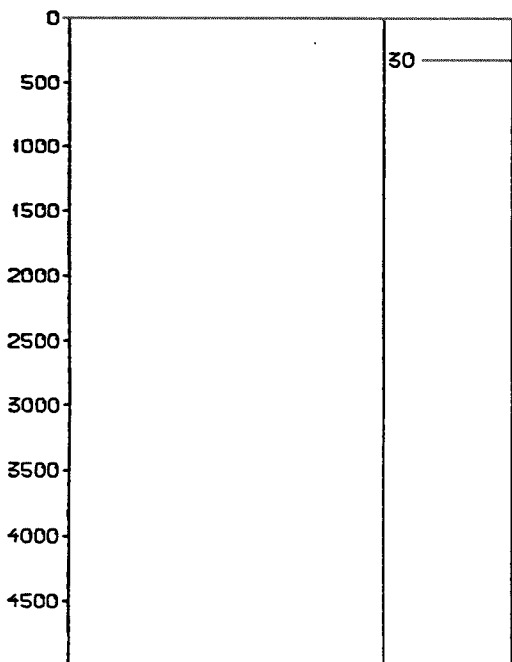
## WELL: 640706 02 PRESSURE COMPOSITE PLOT

DEPTH  
(RKB)  
(METERS)

CASING

PRESSURE GRADIENTS  
(g/ccm)

— MUDWEIGHT (REPORT)  
- - - PORE PRESSURE (REPORT)



## Well History 6407/6-2

### General:

Well 6407/-2 was designed to test possible hydrocarbon accumulation in sandstones of Middle Jurassic age (Tomma Fm) on the Beta structure, situated in the western part of the block. The structure has two distinct highs, and the target for this well was on the northern high.

The main objectives for the well were:

- to drill the second and final commitment well in PL 092.
- to drill where hydrocarbons are left updip.
- verify the geophysical and structural interpretation
- improve the paleontological, geological and geochemical understanding of this area of Haltenbanken.

Secondary objects were:

- sands near base Cretaceous (Finnvær Gr).
- Lower Jurassic sandstones (Aldra Fm).
- sandstones within the Hitra Fm, and the Triassic Grey- and Redbeds.

The top hole and Tertiary sections of this well were expected to contain shallow gas, possible at a depth of 570 m RKB, and also swelling, overpressured Early Eocene Red/ Brown Claystone.

The prognosed depth was 4150 m, or rocks of Triassic age.

### Operations:

Wildcat well 6407/6-2 was spudded 4 October 1985 by Smedvig's semi-submersible rig West Vanguard, and junked at a depth of 523 m RKB due to a blowout 6 October 1985.

A drilling break occurred between 505 m- and 508 m RKB, with a penetration rate increase from 40 m/h to 712 m/h. Drilling was stopped at 523 m RKB and the drillstring was pulled out 15 m. The well flowed and pumping of killmud started. This did not stop the blowout.

One person was killed, and the rig was seriously damaged. NPD Publication list No 734, Oljedirektoratets rapport om West Vanguard-ulykken.

### Testing:

No DST tests were performed.