Well no : 6507/07-05A Operator : CONOCO

Coordinates	: 65 21 30.27 N 07 17 35.08 E	UTM coord.	: 7249656 N 420590 E
Licence no	: 95	Permit no	: 505
Rig	: NORTRYM	Rig type	: SEMI-SUB.
Contractor	: GOLAR-NOR OFFSHORE A/S		
Bottom hole temperature	: deg.C	Elev. KB	: 25 M
Spud. date	: 86.03.06	Water depth	: 332 M
Compl. date	: 86.04.05	Total depth	: 2673 M
Spud. class	: APPRAISAL	Form. at TD	: E.JURASSIC
Compl. class	: P&A. OIL/GAS DISC.	Prod. form	: M.JURASSIC
Seisloca	: CN 8502 - 599 SP. 225		

LICENSEES

10.000000	ARCO NORGE A/S
30.000000	NORSKE CONOCO A/S
50.000000	DEN NORSKE STATS OLJESELSKAP A.S
10.000000	TENNECO OIL NORWAY A/S

CASING AND LEAK-OFF TESTS

Type	Casing diam.	Depth below KB	Hole diam.	Hole depth below KB	Lot mud eqv. g/cm3
SURF.COND.	20	1033.0	26	1098.0	1.58
INTERM.	13 3/8	2189.0	17 1/2	2201.0	1.69

CONVENTIONAL CORES

Core no.	Intervals cored meters	Recovery M	Recovery %	Series
1	2557.0 - 2568.8	11.8	100.0	
2	2572.0 - 2573.0	0.9	90.0	MIDDLE JURASSIC
3	2573.0 - 2592.3	19.3	100.0	MIDDLE JURASSIC
4	2595.0 - 2610.1	15.1	100.0	LOWER JURASSIC
5	2611.7 - 2622.5	10.8	100.0	LOWER JURASSIC
6	2622.5 - 2629.6	7.1	100.0	LOWER JURASSIC

MUD PROPERTIES

Depth below KB meter	Mud weigth g/cm3	Viscosity	Mud type
1110.000	1.38	33.5	WATER BASED
1498.000	1.39	73.5	WATER BASED
1916.000	1.42	73.5	WATER BASED
2051.000	1.39	73.5	WATER BASED
2198.000	1.40	73.5	WATER BASED
2201.000	1.27	73.5	WATER BASED
2478.000	1.27	73.5	WATER BASED
2634.000	1.30	22.0	WATER BASED

2673.000	1.33	18.0	WATER BASED
2673.000	1.03	18.0	WATER BASED

DRILL BIT CUTTINGS AND WET SAMPLES

SAMPLE TYPE	INTERVAL BELOW KB	NUMBER OF SAMPLES
Cutting	1100-2671	400
Wet Samples	1100-2668	450

SHALLOW GAS

Interval below KB	REMARKS

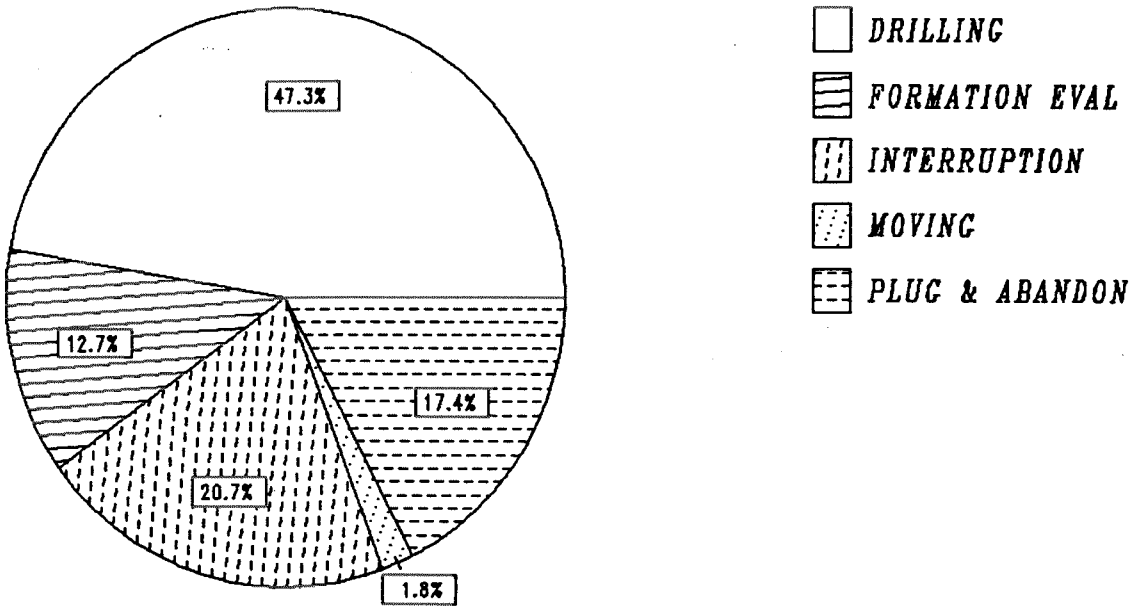
AVAILABLE LOGS

LOG TYPE	INTERVALS	1/200	1/500	Div.
ISF SLS MSFL GR	1032.000 - 2196.500	X	X	
ISF BHC GR SP	2186.000 - 2569.500	X	X	
ISF SLS MSFL SP	1032.000 - 2569.000	X	X	
HRT CCL	355.000 - 2160.000	1:2000	X	
AMPS SWOB ROP AXP	1100.000 - 2198.000		X	
MUD	1100.000 - 2198.000			

(Synthetic seismogram, 10 cm/s. 1 stk.)

DAILY DRILLING REPORT SYSTEM

Main operations for well : 6507/07 -05 A



Total : 792.00 hours

Main operation	*Minutes*	*Hours*	*% of total*
DRILLING	*22500*	*375.00*	*47.35*
FORMATION EVAL	*6030*	*100.50*	*12.69*
INTERRUPTION	*9840*	*164.00*	*20.71*
MOVING	*870*	*14.50*	*1.83*
PLUG & ABANDON	*8280*	*138.00*	*17.42*

MAIN OPERATIONS FOR WELL : 6507 / 07 - 05 A

MAIN OPERATION : DRILLING

Sub operations	Minutes	Hrs	% of total
BOP ACTIVITIES	330	5.50	1.47
BOP/WELLHEAD EQ	540	9.00	2.40
CASING	2760	46.00	12.27
CIRC/COND	1140	19.00	5.07
DRILL	8760	146.00	38.93
OTHER	1920	32.00	8.53
REAM	1530	25.50	6.80
SURVEY	750	12.50	3.33
TRIP	4770	79.50	21.20
Total	22500	375.00	100.00

MAIN OPERATION : FORMATION EVAL

Sub operations	Minutes	Hrs	% of total
CORE	2280	38.00	37.81
LOG	750	12.50	12.44
OTHER	120	2.00	1.99
TRIP	2880	48.00	47.76
Total	6030	100.50	100.00

MAIN OPERATION : INTERRUPTION

Sub operations	Minutes	Hrs	% of total
FISH	7620	127.00	77.44
MAINTAIN/REP	330	5.50	3.35
OTHER	1710	28.50	17.38
WAIT	180	3.00	1.83
Total	9840	164.00	100.00

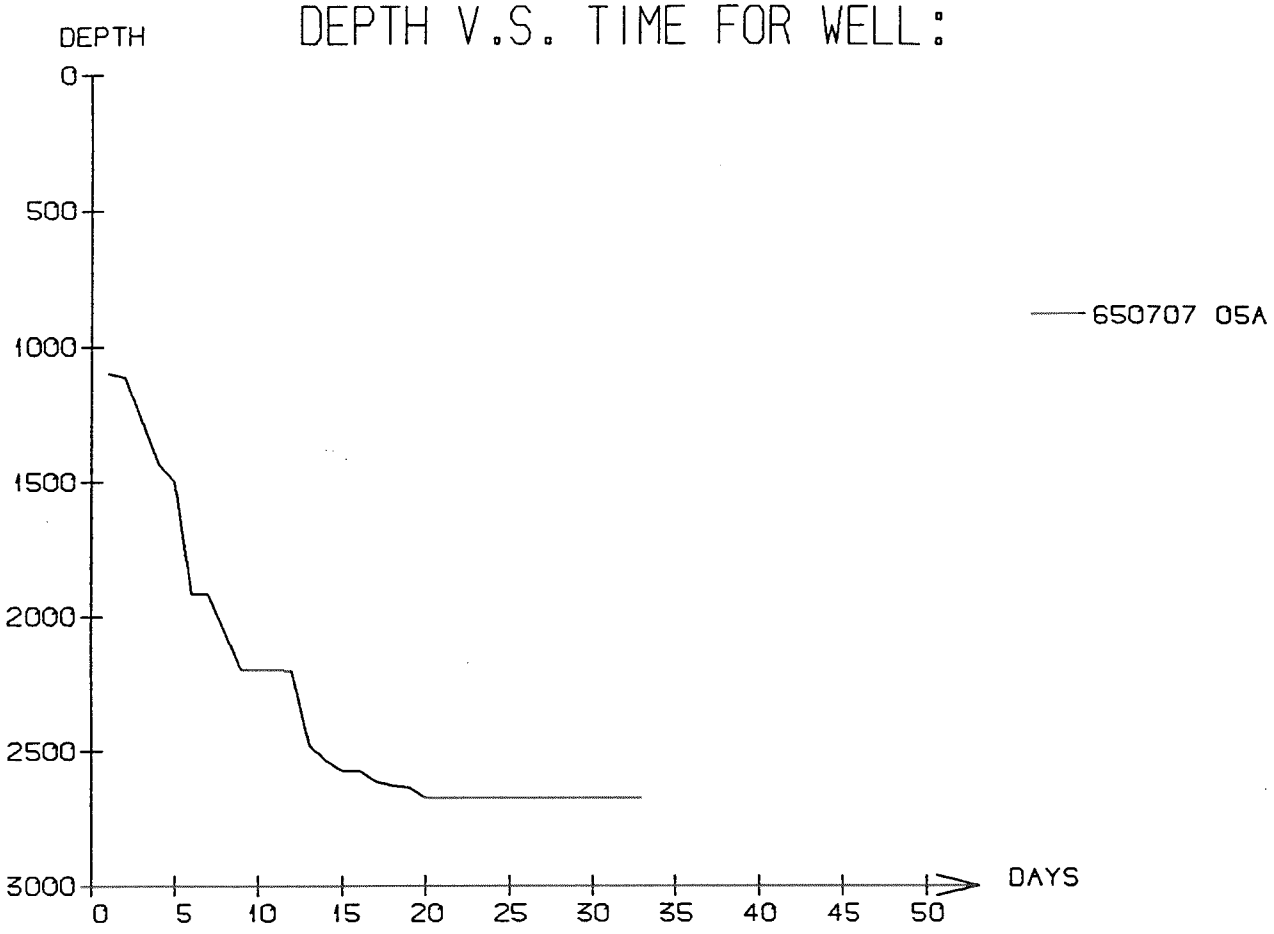
MAIN OPERATION : MOVING

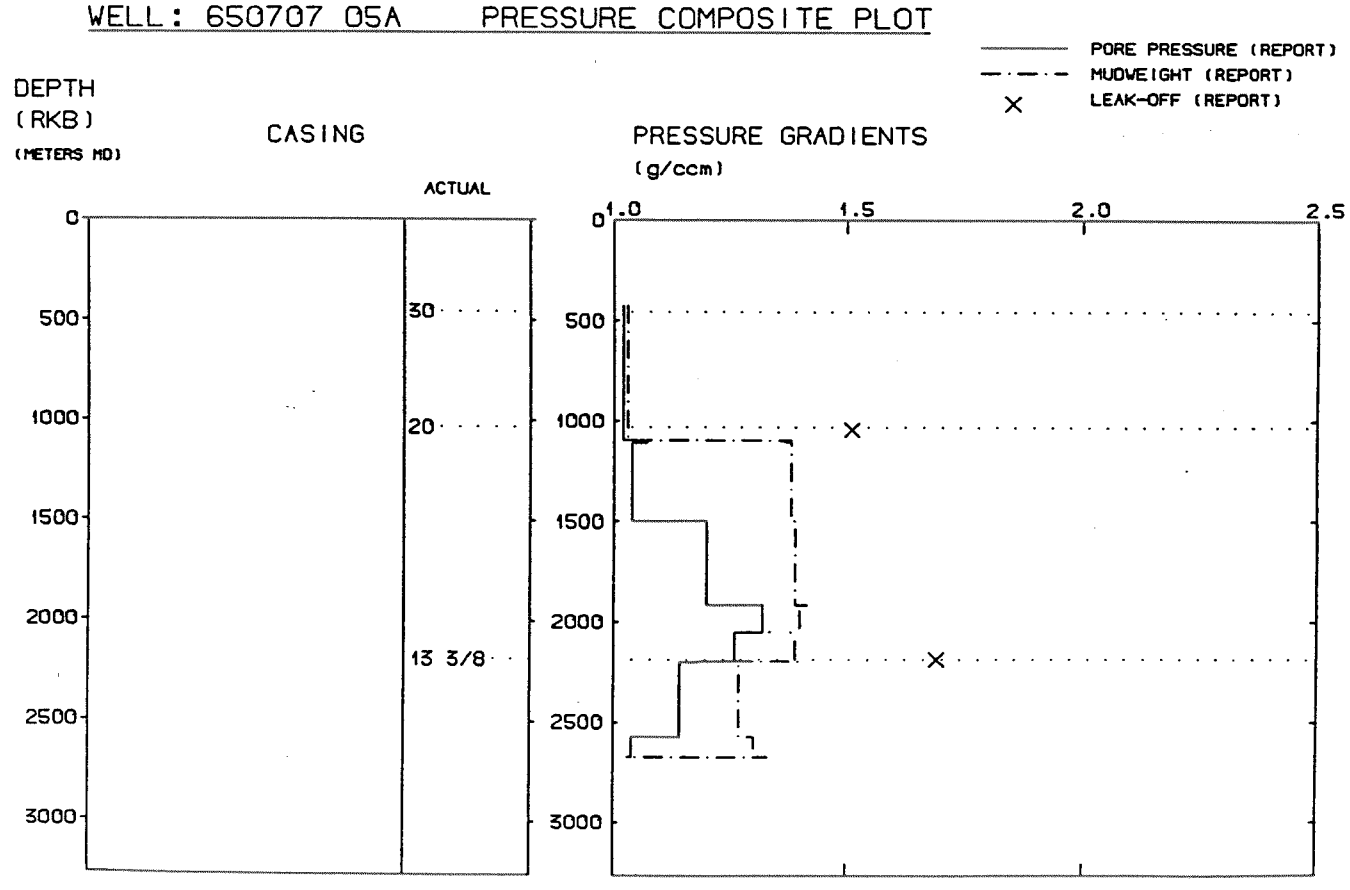
Sub operations	Minutes	Hrs	% of total
ANCHOR	870	14.50	100.00
Total	870	14.50	100.00

MAIN OPERATION : PLUG & ABANDON

Sub operations	Minutes	Hrs	% of total
CEMENT PLUG	540	9.00	6.52
CUT	510	8.50	6.16
EQUIP RECOVERY	900	15.00	10.87
OTHER	3630	60.50	43.84
PERFORATE	240	4.00	2.90
TRIP	1260	21.00	15.22
WAIT	1200	20.00	14.49
Total	8280	138.00	100.00

Total time used 792.00 hrs


DEPTH V.S. TIME FOR WELL:
DEPTH
0
500
1000
1500
2000
2500
3000
650707 05A
0
5
10
15
20
25
30
35
40
45
50
DAYS


WELL: 650707 05A PRESSURE COMPOSITE PLOT
PORE PRESSURE (REPORT)
MUDWEIGHT (REPORT)
LEAK-OFF (REPORT)
DEPTH
(RKB)
(METERS MD)
CASING
ACTUAL
30
20
13 3/8
PRESSURE GRADIENTS
(g/ccm)
1.0
1.5
2.0
2.5
0
500
1000
1500
2000
2500
3000

Well History 6507/7-5 A

GENERAL:

Well 6507/7-5 A was located approximately 640 m NNW of the 6507/7-5 well top location, and planned with a 30° deviation from 6507/7-5 with a kick-off point at 1100 m RKB in that well. The well was designed to test the same features as in well 6507/7-5 in the Heidrun Field, that is a fault wedge formed by Late Jurassic/ Early Cretaceous tensional faulting. The prospect is a southward plunging horst block situated on the western flank of a series of NNW-SSE trending fault systems, and straddles two structural features in the Haltenbanken area, Trøndelag Platform and Vøring Basin.

Main objective of the well was to test Middle/Early Jurassic sands, Fangst Group and Tilje Fm. lithologies, in a heavily eroded fault block, where closure is provided by convergence of the two major bounding faults with spill across to the north.

Proposed depth was 2721 m MD.

OPERATIONS:

Appraisal well 6507/7-5 A was spudded 6 March 1986 by Golar-Nor Offshore A/S semi-submersible rig Nordtrym, and completed 5 April 1986 at a depth of 2673 m MD, 2528 m RKB TVD, in Early Jurassic rocks. No shallow gas was recorded during drilling. Due to technical problems, prognosed depth was not reached. The drillstring became differentially stuck during a connection 9 m off bottom. After 7 days of fishing, the string was backed off, leaving a 387 m fish in the hole. Hence there were no final logs run on this well. Two days were spent waiting for weather.

Coring commenced at 2557 m MD, and 6 cores were cut in the interval 2557 - 2629.6 m MD. Analysis of cores indicated good to exellent porosity and permeability with shows. Below 2461 m TVD there were no shows. Fangst Group came in at 2416 m TVD and Båt Group at 2424 m TVD. OWC was was not encountered.

The well was plugged and abandoned as an oil and gas discovery, with a possible communication between Fangst- and Båt Groups respectively.

TESTING:

No DST-tests were performed in this well.

GEOLOGICAL TOPS

WELL: 6507/7-5 A

	Depth m (TVD/RKB)
Nordland Group	*356,0*
Naust Fm	*356,0*
Kai Fm	*1491,0*
Hordaland Group	*1966,0*
Brygge Fm	*1966,0*
Rogaland Group	*2010,0*
Tare Fm	*2010,0*
Tang Fm	*2039,2*
Shetland Group	*2101,2*
Fangst Group	*2420,6*
Garn Fm	*2420,6*
Båt Group	*2445,2*
Ror Fm	*2445,2*
Tilje Fm	*2458,8*
TD:	*2524,7*