26591

COMPOSITE WELL LOG 1:500

WELL: 2/8-17 S
API No. : 975 770 363 800

OPERATOR:	AMOCO NORWAY	GEOGRAPHICAL COORDINATES	UTM(Zone 31):
COUNTRY:	NORWAY	LAT: 56deg 27' 21.19" N	X: 537 069.24m E
AREA:	South Central Graben	LONG: 03deg 36' 05.18" E	Y: 6 257 121.58m N
LICENSE:	PL 006	TARGET COORDINATES (TOP CHALK)	UTM:
BLOCK:	2/8	LAT: 56deg 27' 26.42" N	X: 537 129.48m E
NPD PERMIT No.:		LONG: 03deg 36' 08.78" E	Y: 6 257 283.87m N
GROUP INTEREST:	AMOCO 28.33% AMERADA HESS 28.33% ENTERPRISE 28.33% ELF 15%	BOTTOM HOLE COORDINATES	UTM:
		LAT: 56deg 27' 27.78" N	X: 537 145.93m E
		LONG: 03deg 36' 09.76" E	Y: 6 257 325.88m N
		K.B. ELEVATION: 41.7m	TOTAL DEPTH: 2685.0m
		WATER DEPTH: 68.3m	BOTTOM HOLE FORMATION: PERMIAN

PRE-SPUD CLASSIFICATION:	EXPLORATION	RIG:	TRANSOCEAN NORDIC
DATE ON LOCATION:	23-NOV-97	DRILLING CONTRACTOR:	TRANSOCEAN
SPUD DATE:	04-DEC-97	WIRELINE LOGGING CONTRACTOR:	WESTERN ATLAS
DATE TD REACHED:	05-JAN-98	MWD-LOGGING CONTRACTOR:	BAKER HUGHES INTEQ
COMPLETION DATE: (WHIPSTOCK FOR SIDETRACK 2/8-17 A SET)	17-JAN-98	MUDLOGGING CONTRACTOR:	BAKER HUGHES INTEQ
RIG RELEASE DATE (2/8-17 A T2):	21-FEB-98	WELLSITE GEOLOGISTS: IAIN GREIG, WILL CHURCHER, ALAN WILLIAMS	COMPILED BY: RAY EDMUNDS, STEVE BRYANT
WELL STATUS:	PLUGGED AND ABANDONED		
WELL CLASSIFICATION:	P & A WITH OIL SHOWS		

HOLE AND CASING RECORD

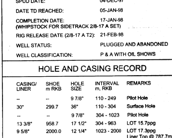
CASING/ LINER	SHOE m RKB	HOLE SIZE	INTERVAL m, RKB	REMARKS
–	--	9 7/8"	110 - 249	Pilot Hole
30"	299.7	36"	110 - 304	Surface Hole
--	--	9 7/8"	304 - 1023	Pilot Hole
13 3/8"	958.7	17 1/2"	304 - 963	LOT 15.7ppg
9 5/8"	2000.0	12 1/4"	1023 - 2000	LOT 17.3ppg Liner Top @ 787.7m
--	--	8 1/2"	2000 - 2685	--

MUD DATA

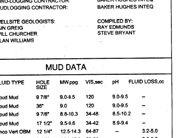
FLUID TYPE	HOLE SIZE	MW,ppg	VIS,sec	pH	FLUID LOSS,cc
Spud Mud	9 7/8"	9.0-9.5	120	9.0-9.5	–
Spud Mud	36"	9.0	120	9.0-9.5	–
Spud Mud	9 7/8"	8.8-10.3	34-48	8.5-10.2	–
Spud Mud	17 1/2"	9.5-9.6	34-42	8.9-9.4	–
Anco Vert OBM	12 1/4"	12.5-14.3	64-87	–	3.2-5.0
Ancovert OBM	8 1/2"	14.1-15.3	53-96	–	2.0-3.2

WELL PROFILE

2/8-17 S, 2/8-17 A T2
SEISMIC SECTION ALONG WELL PATH



WELL LOCATION MAP



WIRELINE/MWD LOGS USED FOR COMPOSITE

LOG	MPR RESISTIVITY-GR		MPR RESISTIVITY-GR		DPR RESISTIVITY-GR		MPR RESISTIVITY-GR		MPR RESISTIVITY-GR	
Date	4th Dec. 1997		11-12th Dec. 1997		21st-24th Dec. 1997		28-30th Dec. 1997		4-5th Jan. 1997	
Group/Run No.	1		2		3		4		5	
Depth-Driller	249m		1023m		2000m		2587m		2685m	
Depth-Logger	249m		1023m		2002m		2587m		2685m	
Btm Log Interval	249m		1020m		1999m		2574m		2677m	
Top Log Interval	105m		297m		958m		2001m		2574m	
Casing-Driller	--		299m		958.6m		2000m		2000m	
Casing-Logger	--		299m		958.6m		2001m		2001m	
Bit Size	9 7/8"		9 7/8"		12 1/4"		8 1/2"		8 1/2"	
Type Fluid in Hole	Seawater/Spud Mud		Seawater/Spud Mud		Anco Vert OBM		Anco Vert OBM		Anco Vert OBM	
Den & Visc	8.6ppg	120sec	8.8-10.3ppg	34-48sec	13.0ppg	64-87sec	14.0ppg	53-96sec	14.3ppg	53-96sec
pH & Fluid Loss	9.0	--	8.5-10.2	--	N/A	3.2-6.0cc	N/A	2.0-3.2cc	-	2.0-3.2cc
Source of Sample	Flowline		Flowline		Flowline		Flowline		Flowline	
Rm at Meas Temp	0.25 @ 11deg C		0.25 @ 19deg C		N/A		N/A		N/A	
Rmf at Meas Temp	0.25 @ 11degC		0.25 @ 19degC		N/A		N/A		N/A	
Rmc at Meas Temp	N/A		N/A		N/A		N/A		N/A	
Source : Rmf Rmc	Flowline	Flowline	N/A		N/A	-	N/A		N/A	-
Rmf at BHT	N/A		N/A		N/A		N/A		N/A	
Time Since Circ.	N/A		N/A		N/A		N/A		N/A	
Max Rec. Temp	11deg C		19deg C		78deg C		86deg C		84deg C	
Equip : Location	1572-06	NOR	1607-01	NOR	2251-01	NOR	1607-01	NOR	2251-01	NOR
Recorded by	O.Tjugen/S.Viktil		S.Viktil/E.Svare		B.Bremnes/E.Svare		L.Holme/A.Svinoy		A.Svinoy/E.Svendsen	
Witnessed by	M.Rafferty/D.Bert		M.Rafferty/D.Bert		I. Greig		A.Williams/W.Churcher		A.Williams/W.Churcher	
Other Logs Run	None		None		None		None		None	

CORES & DST'S

CORES:
CORE No.1 CUT 2587-2605m, 18.0m
RECOVERED 2587-2604.56m, 17.56m (97.8%)
CORE No.2, CUT 2605-2624m, 19.0m
RECOVERED 2605-2623.87m, 18.87m (99.3%)
CORE No.3, CUT 2624-2651.8m, 27.8m
RECOVERED 2624-2651.8m , 27.8m (100%)
CORE No.4, CUT 2651.8-2674.5m, 22.7m
RECOVERED 2651.8-2674.5m, 22.7m (100%)

SIDEWALL CORES:
None taken.

DST:
None performed.

LITHOLOGIC SYMBOLS

SHALE/CLAYSTONE, SANDSTONE, SILTSTONE, CONGLOMERATE, LIMESTONE, LIMEY DOLOMITE, DOLOMITIC LIMESTONE, DOLOMITE, HALITE, SALT IN GENERAL, ANHYDRITE, CHALK, MARL, VOLCANICS

QUALIFIERS

ARENACEOUS, M MICA, ARGILLACEOUS, K KAOLINITE, CALCAREOUS, * GLAUCONITE, DOLOMITIC, CHERT, OOLITIC, NODULES, C CARBONACEOUS, MACROFOSSILS, BITUMINOUS, FORAMINIFERA, PYRITIC, PLANT REMAINS

GENERAL SYMBOLS

CHRONO STRAT

NO RETURNS, CASING SHOE, LINER TOP, SIDEWALL CORE (Shot No.), NO RECOVERY, CORE INTERVAL, NO RECOVERY, LOST CIRCULATION, FORMATION FLUID INFLUX, TRACE OIL SHOW (Continuous/Intermittent), GOOD OIL SHOW (Continuous/Intermittent), OIL/GAS SHOW (Continuous/Intermittent), GAS SHOW (Continuous/Intermittent), RFT, SAMPLE, MAJOR UNCONFORMITY, MINOR UNCONFORMITY, FAULT, DST WITH PERFORATED INTERVALS, HOLE DEVIATION, STRUCTURAL DIP AND DIRECTION

COMMENTS

UPDATE HISTORY
ORIGINAL DRAFT: RAY EDMUNDS JAN 1998
FIRST EDIT: STEVE BRYANT MAY 1998

DIGITALLY DRAUGHTED BY : QUAD OPERATIONS LTD

SCALE : 1/500

SYSTEM, SERIES, STAGE, GROUP, FORMATION | GAMMA RAY | RESISTIVITY | SONIC & ROP | LITHOLOGICAL DESCRIPTIONS

GRAX 0.00 – 150.00; GRAM 0.00 – 150.00; CORES; LITHOLOGY DEPTH; GAS/OIL SHOWS; RACHX 0.20 – 20.00; RPCHX 0.20 – 20.00; RACLM 0.20 – 20.00; RPCLM 0.20 – 20.00; RPCHM 0.20 – 20.00; RPCSHM 0.20 – 20.00; ROP (m/hr) 100.00 – 0.00; TWO-WAY TIME; LITHOLOGICAL DESCRIPTIONS AND REMARKS

RKB-SL (LAT) 41.7m

RKB-SEABED 110m, WATER DEPTH 68.3m

DRILLED WITH NO RETURNS TO SURFACE FROM 110m TO 304m.

LITHOLOGY INTERPRETED FROM MWD GR & RESISTIVITY CURVES.

SURVEY @ 212.0m, Incl. 0.5°, Azim 86.2°, TVD 212.0m

MWD TOOL LOST IN HOLE. LITHOLOGY INTERPRETED FROM RATE OF PENETRATION.

DRILLED 9 7/8" PILOT HOLE TO 249m, 36" HOLE TO 304m, SET 30" CSG @ 299.7m.

SURVEY @ 348.0m, Incl. 0.2°, Azim 102.6°, TVD 348.0m

SURVEY @ 490.0m, Incl. 0.2°, Azim 104.0°, TVD 490.0m

[illegible]