



General information

Wellbore name	1/6-6
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Factmaps in new window	link to map
Main area	NORTH SEA
Well name	1/6-6
Seismic location	ALBUSKJELL 3D KRYSS RAD 423 & KOLONNE 79
Production licence	011
Drilling operator	A/S Norske Shell
Drill permit	718-L
Drilling facility	DYVI STENA
Drilling days	393
Entered date	10.02.1992
Completed date	08.03.1993
Release date	08.03.1995
Publication date	17.06.2009
Purpose - planned	WILDCAT
Reentry	NO
Content	SHOWS
Discovery wellbore	NO
Kelly bushing elevation [m]	25.0
Water depth [m]	70.0
Total depth (MD) [m RKB]	5565.0
Final vertical depth (TVD) [m RKB]	5562.0
Maximum inclination [°]	4.6
Bottom hole temperature [°C]	190
Oldest penetrated age	TRIASSIC
Oldest penetrated formation	SMITH BANK FM
Geodetic datum	ED50
NS degrees	56° 36' 41.13" N
EW degrees	2° 57' 18.19" E
NS UTM [m]	6274273.59
EW UTM [m]	497241.02
UTM zone	31
NPDID wellbore	1839



Wellbore history

General

Well 1/6-6 is located ca 2 km south of the Albuskjell Field in the southern Norwegian North Sea. The principal objective was to test the hydrocarbon potential of Middle and Late Jurassic sandstones on the southern flank of a faulted dip closure, partially underlying the Albuskjell Chalk Field. It was proposed to drill to a total depth of 5355 m or 200 m below the interpreted Base Late Jurassic.

Operations and results

Well 1/6-6 was spudded with the semi-submersible installation Dyvi Stena on 10 February 1992 and drilled to final TD at 5565 m (5562 m TVD), some 100 m into Triassic siltstone. The well achieved its objective, which entailed drilling 210 m deeper than plan, to a new Norwegian depth record of 5565 m RKB. Maximum pore pressure in the well was estimated to have been 2.24 sg, higher than the worst-case scenario defined by the well proposal. BHT was 190 deg C. Both pore pressure and BHT were the highest yet encountered in Norway. The well was production tested under these stringent conditions.

Including additional time, the planned work scope for the well was 179.5 days. It eventually took 395 days. Of these, only 204.5 days (51.8%) was considered productive time. Five incidents accounted for 75% of lost time. These were: dropped 10-3/4" casing, failed wellhead, well control incident, failure of the HPC tieback packer and waiting on weather. The problems involved two sidetracks. The dropped 10-3/4" casing with TD at 4467 m led to the first sidetrack, which was made from kick-off at 2560 m. Then, after drilling to 3284 m and tripping out, a second sidetrack was accidentally made from 2522 m.

The well was drilled with seawater and viscous sweeps to 1127 m and with gypsum / polymer mud from 1127 m to 4466 m in the first hole. The first sidetrack was drilled with gypsum/polymer mud from kick-off to TD. The second and final sidetrack was drilled with VISPLEX for sidetracking, then with HF PLUS (glycol) down to 4478 m, and with HITEMP polymer mud from 4478 m to TD.

Top Paleocene was encountered at 3108 m. Weak shows were recorded in the Lista Formation. The Shetland Chalk Group was encountered at 3306 m and was 1345 m thick. The Late Jurassic Tyne Group was penetrated at 4876 m, and a "basal sand" of Early Kimmeridgian - Late Oxfordian age at 5396 m. The gross thickness of the sandstone was 61 m. There were indications of hydrocarbons in this sand, but a DST produced only water. No Middle Jurassic rocks were penetrated. Age at TD is not confirmed by biostratigraphic evidence as samples and core was barren of fossils.

One ten-metre core was cut at TD in the well. During several FMT runs over the interval 5075 - 5450 m a total of 32 pressure settings were attempted, of which some 10 pressure points were considered useful. Two segregated samples were taken at 5432 and 5398 m. Both recovered only mud filtrate.

The well was plugged and permanently abandoned on 8 March 1993 as a dry hole with shows.

Testing

The well was tested in the interval 5396 - 5407 m. The test flowed 900 Sm³ salt-saturated formation water and 4300 Sm³ gas /day through a 32/64" choke



Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
1130.00	5565.00

Cuttings available for sampling?	YES
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Cores at the Norwegian Offshore Directorate

Core sample number	Core sample - top depth	Core sample - bottom depth	Core sample depth - uom
1	5555.0	5565.0	[m]

Total core sample length [m]	10.0
Cores available for sampling?	YES

Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
1130.0	[m]	DC	RRI
1170.0	[m]	DC	RRI
1210.0	[m]	DC	RRI
1250.0	[m]	DC	RRI
1290.0	[m]	DC	RRI
1330.0	[m]	DC	RRI
1370.0	[m]	DC	RRI
1410.0	[m]	DC	RRI
1450.0	[m]	DC	RRI
1490.0	[m]	DC	RRI
1530.0	[m]	DC	RRI
1570.0	[m]	DC	RRI
1690.0	[m]	DC	RRI
1730.0	[m]	DC	RRI
1770.0	[m]	DC	RRI
1810.0	[m]	DC	RRI
1850.0	[m]	DC	RRI
1890.0	[m]	DC	RRI
1930.0	[m]	DC	RRI
1970.0	[m]	DC	RRI



2010.0	[m]	DC	RRI
2050.0	[m]	DC	RRI
2090.0	[m]	DC	RRI
2130.0	[m]	DC	RRI
2170.0	[m]	DC	RRI
2210.0	[m]	DC	RRI
2250.0	[m]	DC	RRI
2290.0	[m]	DC	RRI
2330.0	[m]	DC	RRI
2370.0	[m]	DC	RRI
2410.0	[m]	DC	RRI
2450.0	[m]	DC	RRI
2490.0	[m]	DC	RRI
2530.0	[m]	DC	RRI
2570.0	[m]	DC	RRI
2610.0	[m]	DC	RRI
2650.0	[m]	DC	RRI
2690.0	[m]	DC	RRI
2730.0	[m]	DC	RRI
2770.0	[m]	DC	RRI
2810.0	[m]	DC	RRI
2850.0	[m]	DC	RRI
2890.0	[m]	DC	RRI
2930.0	[m]	DC	RRI
2970.0	[m]	DC	RRI
3010.0	[m]	DC	RRI
3050.0	[m]	DC	RRI
3080.0	[m]	DC	OD
3090.0	[m]	DC	RRI
3100.0	[m]	DC	RRI
3109.0	[m]	DC	RRI
3121.0	[m]	DC	RRI
3130.0	[m]	DC	RRI
3139.0	[m]	DC	RRI
3151.0	[m]	DC	RRI
3160.0	[m]	DC	RRI
3169.0	[m]	DC	RRI
3181.0	[m]	DC	RRI
3190.0	[m]	DC	RRI
3199.0	[m]	DC	RRI



3211.0 [m]	DC	RRI
3220.0 [m]	DC	RRI
3229.0 [m]	DC	RRI
3241.0 [m]	DC	RRI
3250.0 [m]	DC	RRI
3259.0 [m]	DC	RRI
3271.0 [m]	DC	RRI
4876.0 [m]	DC	PETROSTR
4990.0 [m]	DC	PETROS
5107.0 [m]	DC	PETROS
5224.0 [m]	DC	PETROS
5323.0 [m]	DC	PETROS
5422.0 [m]	DC	PETROS
5555.2 [m]	C	OD
5556.6 [m]	C	OD
5558.2 [m]	C	OD
5559.3 [m]	C	OD
5561.4 [m]	C	OD
5563.6 [m]	C	OD
5564.3 [m]	C	OD

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
95	NORDLAND GP
1835	HORDALAND GP
3108	ROGALAND GP
3108	BALDER FM
3118	SELE FM
3121	LISTA FM
3306	SHETLAND GP
3306	EKOFISK FM
3413	TOR FM
3809	HOD FM
4651	CROMER KNOLL GP
4651	RØDBY FM
4689	SOLA FM
4694	TUXEN FM
4746	ÅSGARD FM



4846	TYNE GP
4846	MANDAL FM
4876	FARSUND FM
5305	HAUGESUND FM
5457	NO GROUP DEFINED
5457	SMITH BANK FM

Drill stem tests (DST)

Test number	From depth MD [m]	To depth MD [m]	Choke size [mm]
1.0	5391	5407	12.7

Test number	Final shut-in pressure [MPa]	Final flow pressure [MPa]	Bottom hole pressure [MPa]	Downhole temperature [°C]
1.0	48.000	12.000		

Test number	Oil [Sm3/day]	Gas [Sm3/day]	Oil density [g/cm3]	Gas grav. rel.air	GOR [m3/m3]
1.0		4300		0.670	

Logs

Log type	Log top depth [m]	Log bottom depth [m]
CBL	3820	3920
CBL GR	3304	4172
CBL VDL	90	3190
CDEN LN GR CAL	3080	3360
DIFL AC GR	5020	5303
DIFL AC GR CAL	1121	3130
DIFL GR AC	5265	5557
DIFL GR CAL AC	3075	4467
DIPLOG	5050	5556
DLL MLL GR	5050	5556
FMT	3316	4407
FMT	5074	5378
FMT	5083	5349
GR CAL	2520	4467



MFL GR CCL	90	4404
MLL DLL AC GR	3080	3360
MLL DLL AC GR CAL	4472	5051
MLL DLL AC GR CAL	5025	5247
MWD LWD - GR RES DIR	100	4195
SWC	3217	4420
SWC	3217	4442
VSP	3304	4172
VSP	4040	4700
VSP	4580	5290
VSP	5188	5556
ZDEN CN GR	1121	3130
ZDEN CN GR	3075	4467
ZDEN CN GR	5225	5557
ZDEN CN GR CAL	5040	5290
ZDEN CN GR GYRO	4472	5050

Casing and leak-off tests

Casing type	Casing diam. [inch]	Casing depth [m]	Hole diam. [inch]	Hole depth [m]	LOT/FIT mud eqv. [g/cm3]	Formation test type
CONDUCTOR	30	180.0	36	182.0	0.00	LOT
INTERM.	20	1121.0	26	1122.0	0.00	LOT
INTERM.	14	2520.0	17 1/2	2522.0	0.00	LOT
INTERM.	9 5/8	4467.0	12 1/4	3370.0	0.00	LOT
INTERM.	7 5/8	5049.0		5050.0	0.00	LOT
LINER	5	5521.0	8 1/2	5521.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
95	1.03	200.0	100.0	WATER BASED	12.02.1992
95	1.03	200.0		WATER BASED	12.02.1992
132	1.65	43.0	4.3	WATER BASED	09.03.1993
147	1.65	43.0	4.3	WATER BASED	09.03.1993
147	1.65	43.0	4.3	WATER BASED	09.03.1993
761	1.03	200.0		WATER BASED	12.02.1992
911	1.03	45.0	21.0	WATER BASED	19.02.1992



1205	1.03	45.0	21.0	WATER BASED	24.02.1992
1205	1.03	45.0	21.0	WATER BASED	24.02.1992
1205	1.03	45.0	21.0	WATER BASED	24.02.1992
1205	1.03	45.0	21.0	WATER BASED	24.02.1992
1205	1.03	45.0	21.0	WATER BASED	24.02.1992
1205	0.00			WATER BASED	26.02.1992
1205	0.00			WATER BASED	27.02.1992
1205	0.00			WATER BASED	02.03.1992
1205	0.00			WATER BASED	03.03.1992
1205	0.00			WATER BASED	03.03.1992
1205	0.00			WATER BASED	03.03.1992
1205	1.03	200.0		WATER BASED	14.02.1992
1205	1.03	200.0		WATER BASED	14.02.1992
1205	1.03	200.0		WATER BASED	17.02.1992
1205	1.03	200.0		WATER BASED	17.02.1992
1205	1.03	200.0		WATER BASED	17.02.1992
1205	1.03	45.0	21.0	WATER BASED	24.02.1992
1205	0.00			WATER BASED	03.03.1992
1281	1.05	76.0	49.0	WATER BASED	04.03.1992
1463	1.06	69.0	34.0	WATER BASED	06.03.1992
1600	1.06	69.0	35.0	WATER BASED	06.03.1992
1817	1.60	69.0	35.0	WATER BASED	09.03.1992
1980	1.65	45.0	6.2	WATER BASED	01.03.1993
1980	1.65	45.0	4.3	WATER BASED	04.03.1993
1980	1.65	42.0	4.3	WATER BASED	04.03.1993
1980	1.65	42.0	4.3	WATER BASED	09.03.1993
1980	1.65	45.0	5.3	WATER BASED	01.03.1993
1980	1.65	42.0	4.3	WATER BASED	09.03.1993
2028	1.60	74.0	35.0	WATER BASED	09.03.1992
2028	1.60	68.0	35.0	WATER BASED	09.03.1992
2328	1.65	47.0	5.3	WATER BASED	01.03.1993
2329	2.19	58.0	4.8	WATER BASED	25.02.1993
2329	2.19	52.0	4.8	WATER BASED	26.02.1993
2329	2.19	58.0	4.8	WATER BASED	23.02.1993
2329	2.19	58.0	4.8	WATER BASED	23.02.1993
2329	2.19	58.0	4.8	WATER BASED	23.02.1993
2329	2.19	58.0	4.8	WATER BASED	26.02.1993
2329	1.60	74.0	38.0	WATER BASED	10.03.1992
2455	1.65	68.0	34.0	WATER BASED	11.03.1992
2539	1.65	50.0	10.0	WATER BASED	24.06.1992



2550	1.65	74.0	36.0	WATER BASED	12.03.1992
2650	1.65	74.0	36.0	WATER BASED	12.03.1992
2650	1.65	62.0	32.0	WATER BASED	16.03.1992
2732	1.65	41.0	8.0	WATER BASED	24.06.1992
2748	1.65	62.0	33.0	WATER BASED	16.03.1992
2748	1.65	62.0	33.0	WATER BASED	16.03.1992
2748	1.65	62.0	33.0	WATER BASED	17.03.1992
2764	1.65	62.0	17.0	WATER BASED	30.06.1992
2934	1.65	46.0	12.0	WATER BASED	24.06.1992
2936	1.65	62.0	39.0	WATER BASED	19.03.1992
2974	1.65	61.0	17.0	WATER BASED	30.06.1992
3018	1.65	65.0	39.0	WATER BASED	19.03.1992
3070	1.65	65.0	18.0	WATER BASED	24.06.1992
3128	1.65	65.0	35.0	WATER BASED	20.03.1992
3131	1.65	61.0	20.0	WATER BASED	03.07.1992
3131	1.65	64.0	19.0	WATER BASED	02.07.1992
3140	1.65	63.0	18.0	WATER BASED	25.06.1992
3149	1.65	57.0	37.0	WATER BASED	23.03.1992
3166	1.65	55.0	36.0	WATER BASED	23.03.1992
3166	1.65	60.0	39.0	WATER BASED	23.03.1992
3210	1.65	61.0	39.0	WATER BASED	24.03.1992
3210	1.65	61.0	39.0	WATER BASED	25.03.1992
3210	1.65	61.0	39.0	WATER BASED	27.03.1992
3210	1.65	55.0	28.0	WATER BASED	30.03.1992
3210	1.65	55.0	29.0	WATER BASED	30.03.1992
3215	1.65	60.0	32.0	WATER BASED	30.03.1992
3215	1.65	56.0	30.0	WATER BASED	31.03.1992
3247	1.65	61.0	17.0	WATER BASED	26.06.1992
3260	1.65	58.0	37.0	WATER BASED	01.04.1992
3260	1.65	56.0	38.0	WATER BASED	03.04.1992
3261	1.65	52.0	33.0	WATER BASED	03.04.1992
3284	1.65	59.0	18.0	WATER BASED	30.06.1992
3284	1.65	57.0	15.0	WATER BASED	30.06.1992
3284	1.65	59.0	15.0	WATER BASED	30.06.1992
3292	1.65	62.0	18.0	WATER BASED	06.07.1992
3349	1.65	63.0	43.0	WATER BASED	06.07.1992
3353	1.65	61.0	430.0	WATER BASED	07.07.1992
3406	1.65	60.0	38.0	WATER BASED	07.07.1992
3520	1.65	59.0	40.0	WATER BASED	07.07.1992
3530	1.65	54.0	37.0	WATER BASED	06.04.1992



3532	1.65	58.0	42.0	WATER BASED	06.04.1992
3532	1.65	55.0	38.0	WATER BASED	06.04.1992
3555	1.65	57.0	39.0	WATER BASED	07.04.1992
3555	1.65	57.0	18.0	WATER BASED	09.07.1992
3575	1.65	57.0	18.0	WATER BASED	13.07.1992
3618	1.65	55.0	9.1	WATER BASED	13.07.1992
3620	1.65	55.0	18.0	WATER BASED	14.07.1992
3652	1.65	53.0	37.0	WATER BASED	08.04.1992
3658	1.65	57.0	8.6	WATER BASED	14.07.1992
3686	1.65	52.0	7.2	WATER BASED	14.07.1992
3732	1.55	52.0	37.0	WATER BASED	09.04.1992
3801	1.65	51.0	39.0	WATER BASED	10.04.1992
3801	1.65	51.0	8.1	WATER BASED	15.07.1992
3821	1.65	55.0	30.0	WATER BASED	13.04.1992
3840	1.65	53.0	8.1	WATER BASED	15.07.1992
3880	1.65	53.0	39.0	WATER BASED	13.04.1992
3880	1.65	50.0	30.0	WATER BASED	14.04.1992
4017	1.65	48.0	26.0	WATER BASED	14.04.1992
4043	1.65	52.0	8.1	WATER BASED	16.07.1992
4122	1.65	48.0	23.0	WATER BASED	22.04.1992
4138	2.19	63.0	7.7	WATER BASED	22.02.1993
4141	1.65	47.0	24.0	WATER BASED	22.04.1992
4143	1.65	51.0	8.1	WATER BASED	22.07.1992
4163	1.65	52.0	7.7	WATER BASED	22.07.1992
4172	1.65	56.0	30.0	WATER BASED	22.04.1992
4172	1.65	58.0	30.0	WATER BASED	22.04.1992
4180	1.65	48.0	7.7	WATER BASED	22.07.1992
4185	1.65	58.0	34.0	WATER BASED	22.04.1992
4196	1.65	59.0	34.0	WATER BASED	22.04.1992
4200	1.65	61.0	33.0	WATER BASED	22.04.1992
4204	1.65	54.0	8.1	WATER BASED	22.07.1992
4247	1.65	61.0	30.0	WATER BASED	23.04.1992
4259	1.65	51.0	7.7	WATER BASED	22.07.1992
4269	1.65	53.0	40.0	WATER BASED	22.07.1992
4309	1.65	53.0	38.0	WATER BASED	23.07.1992
4317	1.65	48.0	28.0	WATER BASED	23.04.1992
4317	1.65	48.0	28.0	WATER BASED	24.04.1992
4328	1.65	53.0	8.1	WATER BASED	24.07.1992
4360	1.65	58.0	38.0	WATER BASED	27.04.1992
4372	1.65	52.0	40.0	WATER BASED	27.07.1992



4398	1.65	47.0	32.0	WATER BASED	27.04.1992
4415	1.65	512.0	41.0	WATER BASED	27.07.1992
4425	1.65	56.0	42.0	WATER BASED	27.07.1992
4438	1.65	56.0	7.7	WATER BASED	29.07.1992
4450	1.65	51.0	38.0	WATER BASED	27.04.1992
4450	1.65	51.0	38.0	WATER BASED	28.04.1992
4467	1.65	52.0	39.0	WATER BASED	29.04.1992
4467	1.65	50.0	39.0	WATER BASED	04.05.1992
4467	1.65	49.0	36.0	WATER BASED	04.05.1992
4467	1.65	52.0	35.0	WATER BASED	04.05.1992
4467	1.65	60.0	40.0	WATER BASED	11.05.1992
4467	1.65	59.0	40.0	WATER BASED	11.05.1992
4467	1.65	64.0	39.0	WATER BASED	11.05.1992
4467	1.65	66.0	40.0	WATER BASED	13.05.1992
4467	1.65	53.0	41.0	WATER BASED	30.04.1992
4468	1.65	60.0	48.0	WATER BASED	03.08.1992
4468	1.65	65.0	48.0	WATER BASED	04.08.1992
4468	1.65	52.0	32.0	WATER BASED	11.08.1992
4468	1.65	65.0	39.0	WATER BASED	13.08.1992
4468	1.65	58.0	6.2	WATER BASED	31.08.1992
4468	1.65	63.0	7.2	WATER BASED	31.08.1992
4468	1.65	62.0	5.7	WATER BASED	31.08.1992
4468	1.65	54.0	7.2	WATER BASED	30.07.1992
4468	1.65	56.0	8.6	WATER BASED	30.07.1992
4468	1.65	60.0	48.0	WATER BASED	03.08.1992
4468	1.65	60.0	48.0	WATER BASED	03.08.1992
4468	1.65	65.0	48.0	WATER BASED	03.08.1992
4468	1.65	65.0	48.0	WATER BASED	05.08.1992
4468	1.65	65.0	48.0	WATER BASED	10.08.1992
4468	1.65	65.0	40.0	WATER BASED	10.08.1992
4468	1.65	69.0	40.0	WATER BASED	11.08.1992
4468	1.65	69.0	40.0	WATER BASED	11.08.1992
4468	1.65	51.0	3.0	WATER BASED	13.08.1992
4468	1.65	55.0	5.7	WATER BASED	31.08.1992
4468	1.65	6.0	6.7	WATER BASED	31.08.1992
4468	1.65	62.0	6.7	WATER BASED	31.08.1992
4468	1.65	61.0	6.2	WATER BASED	31.08.1992
4468	1.65	61.0	6.2	WATER BASED	31.08.1992
4468	1.65	58.0	6.2	WATER BASED	31.08.1992
4468	1.65	58.0	6.2	WATER BASED	31.08.1992



4468	1.65	58.0	6.2	WATER BASED	31.08.1992
4468	1.65	58.0	6.2	WATER BASED	31.08.1992
4468	1.65	63.0	7.2	WATER BASED	31.08.1992
4468	1.65	59.0	5.7	WATER BASED	31.08.1992
4468	1.65	62.0	6.7	WATER BASED	31.08.1992
4468	1.65	62.0	6.7	WATER BASED	31.08.1992
4468	1.65	59.0	5.7	WATER BASED	04.09.1992
4468	1.65	63.0	6.7	WATER BASED	04.09.1992
4468	1.65	61.0	6.7	WATER BASED	04.09.1992
4468	1.81	46.0	2.4	WATER BASED	04.09.1992
4478	1.81	48.0	3.8	WATER BASED	04.09.1992
4478	1.81	51.0	3.8	WATER BASED	08.09.1992
4478	1.81	51.0	3.8	WATER BASED	07.09.1992
4503	1.81	48.0	3.3	WATER BASED	08.09.1992
4547	1.81	49.0	3.8	WATER BASED	08.09.1992
4599	1.81	49.0	6.7	WATER BASED	08.09.1992
4606	1.81	49.0	6.2	WATER BASED	11.09.1992
4665	1.95	54.0	7.7	WATER BASED	11.09.1992
4700	1.95	58.0	8.6	WATER BASED	14.09.1992
4700	1.95	61.0	8.6	WATER BASED	14.09.1992
4700	1.95	58.0	5.3	WATER BASED	15.09.1992
4700	2.00	53.0	2.9	WATER BASED	18.09.1992
4700	1.95	58.0	5.3	WATER BASED	15.09.1992
4700	1.99	56.0	2.9	WATER BASED	18.09.1992
4763	2.06	59.0	5.7	WATER BASED	18.09.1992
4780	2.01	65.0	7.7	WATER BASED	21.09.1992
4816	2.10	59.0	78.1	WATER BASED	22.09.1992
4844	2.10	55.0	8.1	WATER BASED	22.09.1992
4849	2.17	56.0	11.5	WATER BASED	22.09.1992
4869	2.19	58.0	3.3	WATER BASED	24.09.1992
4869	2.19	58.0	3.3	WATER BASED	24.09.1992
4907	2.19	56.0	6.2	WATER BASED	24.09.1992
4931	2.21	60.0	6.7	WATER BASED	30.09.1992
4931	2.21	56.0	6.2	WATER BASED	25.09.1992
4931	2.21	56.0	6.2	WATER BASED	30.09.1992
4951	2.21	54.0	8.6	WATER BASED	30.09.1992
4987	2.22	60.0	9.6	WATER BASED	30.09.1992
5020	2.22	60.0	8.6	WATER BASED	30.09.1992
5050	2.23	56.0	8.1	WATER BASED	02.10.1992
5050	2.25	56.0	9.0	WATER BASED	05.10.1992



5050	2.25	54.0	10.0	WATER BASED	07.10.1992
5050	2.25	63.0	10.0	WATER BASED	07.10.1992
5050	2.25	68.0	10.0	WATER BASED	07.10.1992
5050	2.25	71.0	8.1	WATER BASED	08.10.1992
5050	2.25	70.0	7.2	WATER BASED	08.10.1992
5050	2.25	94.0	7.7	WATER BASED	12.10.1992
5050	2.25	91.0	9.1	WATER BASED	12.10.1992
5050	2.25	65.0	9.1	WATER BASED	12.10.1992
5050	2.25	63.0	5.7	WATER BASED	12.10.1992
5050	2.25	70.0	4.8	WATER BASED	14.10.1992
5050	2.25	70.0	4.3	WATER BASED	16.10.1992
5050	2.23	56.0	8.6	WATER BASED	02.10.1992
5050	2.25	94.0	7.7	WATER BASED	12.10.1992
5050	2.25	70.0	4.3	WATER BASED	16.10.1992
5053	2.25	74.0	3.3	WATER BASED	19.10.1992
5069	2.25	71.0	4.3	WATER BASED	19.10.1992
5069	2.25	71.0	3.8	WATER BASED	19.10.1992
5088	2.25	70.0	2.9	WATER BASED	20.10.1992
5105	2.25	73.0	4.8	WATER BASED	22.10.1992
5134	2.25	74.0	4.8	WATER BASED	22.10.1992
5153	2.25	72.0	4.3	WATER BASED	23.10.1992
5162	2.25	68.0	3.8	WATER BASED	23.10.1992
5186	2.25	68.0	4.8	WATER BASED	26.10.1992
5222	2.25	70.0	6.7	WATER BASED	26.10.1992
5249	2.25	70.0	5.7	WATER BASED	27.10.1992
5293	2.25	70.0	6.2	WATER BASED	28.10.1992
5338	2.25	63.0	6.7	WATER BASED	28.10.1992
5350	2.25	62.0	6.7	WATER BASED	30.10.1992
5350	2.25	62.0	7.2	WATER BASED	30.10.1992
5350	2.25	59.0	7.2	WATER BASED	03.11.1992
5350	2.25	59.0	6.2	WATER BASED	03.11.1992
5350	2.23	74.0	4.8	WATER BASED	03.11.1992
5350	2.25	59.0	4.3	WATER BASED	03.11.1992
5397	2.19	47.0	4.3	WATER BASED	10.11.1992
5417	2.25	73.0	4.3	WATER BASED	05.11.1992
5473	2.25	73.0	4.3	WATER BASED	10.11.1992
5522	2.25	56.0	7.7	WATER BASED	10.11.1992
5550	2.25	54.0	5.7	WATER BASED	10.11.1992
5555	2.25	51.0	4.8	WATER BASED	10.11.1992
5555	2.20	47.0	4.3	WATER BASED	11.11.1992



5555	2.20	46.0	3.8	WATER BASED	13.11.1992
5555	2.20	46.0	3.8	WATER BASED	13.11.1992
5555	2.20	74.0	4.8	WATER BASED	17.11.1992
5555	2.20	52.0	5.7	WATER BASED	17.11.1992
5555	2.25	51.0	4.8	WATER BASED	10.11.1992
5564	2.20	57.0	5.7	WATER BASED	18.11.1992
5564	2.20	68.0	3.3	WATER BASED	23.11.1992
5564	2.20	58.0	3.3	WATER BASED	24.11.1992
5564	2.20	62.0	6.2	WATER BASED	18.11.1992
5564	2.20	66.0	7.7	WATER BASED	19.11.1992
5564	2.20	58.0	3.8	WATER BASED	23.11.1992
5564	2.20	68.0	3.8	WATER BASED	23.11.1992
5564	2.20	60.0	4.3	WATER BASED	23.11.1992
5565	2.20	68.0	3.8	WATER BASED	25.11.1992
5565	2.20	55.0	3.8	WATER BASED	27.11.1992
5565	2.20	59.0	4.3	WATER BASED	27.11.1992
5565	2.20	71.0	3.8	WATER BASED	30.11.1992
5565	2.20	53.0	3.8	WATER BASED	01.12.1992
5565	2.20	55.0	3.8	WATER BASED	01.12.1992
5565	2.20	63.0	4.3	WATER BASED	01.12.1992
5565	2.20	55.0	2.9	WATER BASED	02.12.1992
5565	2.20	55.0	2.4	WATER BASED	03.12.1992
5565	2.20	54.0	2.9	WATER BASED	03.12.1992
5565	2.20	55.0	2.9	WATER BASED	07.12.1992
5565	2.20	55.0	2.9	WATER BASED	08.12.1992
5565	2.20	55.0	2.9	WATER BASED	08.12.1992
5565	2.20	61.0	2.9	WATER BASED	08.12.1992
5565	2.20	61.0	2.9	WATER BASED	09.12.1992
5565	2.20	65.0	2.4	WATER BASED	11.12.1992
5565	2.20	61.0	2.9	WATER BASED	14.12.1992
5565	2.20	58.0	2.9	WATER BASED	14.12.1992
5565	2.20	60.0	3.8	WATER BASED	17.12.1992
5565	2.20	58.0	3.8	WATER BASED	17.12.1992
5565	2.20	58.0	4.8	WATER BASED	18.12.1992
5565	2.20	67.0	3.3	WATER BASED	18.12.1992
5565	2.20	66.0	4.3	WATER BASED	22.12.1992
5565	2.20	53.0	2.9	WATER BASED	22.12.1992
5565	2.20	52.0	2.9	WATER BASED	29.12.1992
5565	2.20	50.0	1.9	WATER BASED	29.12.1992
5565	2.20	47.0	1.9	WATER BASED	29.12.1992



5565	2.20	74.0	5.7	WATER BASED	29.12.1992
5565	2.20	65.0	4.8	WATER BASED	29.12.1992
5565	2.20	61.0	2.9	WATER BASED	29.12.1992
5565	2.20	60.0	2.9	WATER BASED	04.01.1993
5565	2.20	58.0	2.9	WATER BASED	04.01.1993
5565	2.20	59.0	3.3	WATER BASED	04.01.1993
5565	2.20	64.0	2.9	WATER BASED	04.01.1993
5565	2.20	66.0	4.8	WATER BASED	04.01.1993
5565	2.20	67.0	4.3	WATER BASED	07.01.1993
5565	2.20	63.0	4.3	WATER BASED	07.01.1993
5565	2.20	60.0	4.3	WATER BASED	13.01.1993
5565	2.20	57.0	4.3	WATER BASED	13.01.1993
5565	2.20	57.0	4.3	WATER BASED	13.01.1993
5565	2.20	54.0	3.8	WATER BASED	13.01.1993
5565	2.20	54.0	3.8	WATER BASED	13.01.1993
5565	2.20	54.0	3.8	WATER BASED	13.01.1993
5565	2.20	54.0	3.8	WATER BASED	15.01.1993
5565	2.20	54.0	3.8	WATER BASED	19.01.1993
5565	2.20	54.0	3.8	WATER BASED	19.01.1993
5565	2.20	54.0	3.8	WATER BASED	25.01.1993
5565	2.20	54.0	3.8	WATER BASED	25.01.1993
5565	2.20	54.0	3.8	WATER BASED	25.01.1993
5565	2.20	54.0	3.8	WATER BASED	25.01.1993
5565	2.20	54.0	3.8	WATER BASED	25.01.1993
5565	2.20	54.0	3.8	WATER BASED	26.01.1993
5565	2.20	54.0	3.8	WATER BASED	27.01.1993
5565	2.20	54.0	3.8	WATER BASED	28.01.1993
5565	2.20	53.0	4.8	WATER BASED	28.01.1993
5565	2.20	53.0	4.8	WATER BASED	01.02.1993
5565	2.20	53.0	4.8	WATER BASED	01.02.1993
5565	2.20	53.0	4.8	WATER BASED	02.02.1993
5565	2.20	53.0	4.8	WATER BASED	03.02.1993
5565	2.20	51.0	2.4	WATER BASED	03.02.1993
5565	2.20	51.0	2.4	WATER BASED	08.02.1993
5565	2.20	53.0	2.4	WATER BASED	08.02.1993
5565	2.20	56.0	2.9	WATER BASED	10.02.1993
5565	2.20	54.0	2.9	WATER BASED	10.02.1993
5565	2.20	56.0	3.8	WATER BASED	10.02.1993
5565	2.20	52.0	3.3	WATER BASED	10.02.1993
5565	2.20	49.0	3.8	WATER BASED	12.02.1993
5565	2.20	49.0	3.8	WATER BASED	15.02.1993



5565	2.20	52.0	4.3	WATER BASED	15.02.1993
5565	2.20	52.0	4.3	WATER BASED	15.02.1993
5565	2.20	58.0	8.1	WATER BASED	18.02.1993
5565	2.20	55.0	5.7	WATER BASED	18.02.1993
5565	2.20	55.0	5.7	WATER BASED	18.02.1993
5565	2.20	55.0	5.7	WATER BASED	22.02.1993
5565	2.20	57.0	2.9	WATER BASED	10.12.1992
5565	2.20	56.0	2.9	WATER BASED	14.12.1992
5565	2.20	59.0	2.9	WATER BASED	14.12.1992
5565	2.20	55.0	3.8	WATER BASED	22.12.1992
5565	2.20	53.0	2.9	WATER BASED	29.12.1992
5565	2.20	72.0	3.8	WATER BASED	29.12.1992
5565	2.20	64.0	2.9	WATER BASED	04.01.1993
5565	2.20	53.0	3.8	WATER BASED	13.01.1993
5565	2.20	54.0	3.8	WATER BASED	18.01.1993
5565	2.20	54.0	3.8	WATER BASED	19.01.1993
5565	2.20	52.0	2.9	WATER BASED	03.02.1993
5565	2.20	50.0	2.4	WATER BASED	12.02.1993
5565	2.19	66.0	4.3	WATER BASED	23.02.1993