

FIFTH ANNUAL REPORT
August 28, 1984 thru August 27, 1985

and
Quarterly UIC Report
3rd Quarter 1985

submitted to

Department of Environmental Quality
State of Wyoming

for the

BISON BASIN PROJECT
In-Situ Leach Uranium Mine
Permit to Mine No. 504

Ogle Petroleum Inc. of California
2510 East 15th, #8
Casper, WY 82609

I. Mining Activities

Ogle Petroleum Inc. of California (OPIC) began commercial in-situ solution mining operations at the Bison Basin mine on August 21, 1981. Mining was initiated in mining unit No. 1 (which includes the one acre R & D wellfield) and continued in that unit until September 8, 1982 at which time injection and recovery of mining solutions were stopped and all mining operations were suspended. The processing plant was operated a couple of more weeks to process all yellowcake in the circuit with the final shipment of product being made in October, 1982. The yellowcake inventory at the mine is zero. While mining, OPIC utilized a sodium carbonate/bicarbonate lixiviant with oxygen as the oxidant.

In September, 1982 OPIC received authorization from the Department of Environmental Quality (DEQ) to commence mining operations in mining unit No. 2 subject to the installation of several additional monitor wells and the submittal of the baseline water quality data on the wells. However, due to the depressed uranium market, mining unit No. 2 has never been operated and no injection of chemicals has taken place in unit No. 2.

The mine has remained shutdown since September 8, 1982 and OPIC is currently attempting to sell the mine to a reputable mining company. If negotiations with a mining company prove fruitful then OPIC and the prospective buyer will be contacting the DEQ to discuss the possibility of transferring OPIC's permit to mine. If negotiations are not successful then OPIC plans to keep the mine in a standby status until market conditions improve sufficiently to allow OPIC to resume mining operations. OPIC has requested that the Bison Basin mine be put on "interim stabilization" status, and reduction in monitoring has been proposed. Environmental monitoring and reporting required under OPIC's permit to mine have continued during the entire reporting period with the exception of certain radiological soils, vegetation, and gamma surveys discussed in the cover letter.

Table 1 below, lists the average monthly flow rates to the processing plant from the wellfield during the reporting period.

TABLE 1

Average Monthly Flow Rates to the Processing Plant

August, 1984	-	0 gpm
September, 1984	-	0 gpm
October, 1984	-	0 gpm
November, 1984	-	0 gpm
December, 1984	-	0 gpm

January, 1985	-	0 gpm
February, 1985	-	0 gpm
March, 1985	-	0 gpm
April, 1985	-	0 gpm
May, 1985	-	0 gpm
June, 1985	-	0 gpm
July, 1985	-	0 gpm

Table 2 below, lists the average flow rates to the evaporation ponds for the reporting period. The values followed by an asterisk include not only plant washdown water from the domestic well but also wellfield bleed and domestic well water discharged directly to the evaporation ponds.

TABLE 2

Average Flow Rates to the Evaporation Ponds

August, 1984	-	30.30 gpm*
September, 1984	-	31.10 gpm*
October, 1984	-	27.20 gpm*
November, 1984	-	0.03 gpm
December, 1984	-	0.03 gpm
January, 1985	-	0.01 gpm
February, 1985	-	0.01 gpm
March, 1985	-	0.00 gpm
April, 1985	-	6.66 gpm*
May, 1985	-	15.20 gpm*
June, 1985	-	20.00 gpm*
July, 1985	-	27.50 gpm*

The total number of gallons injected and recovered during the reporting period are as presented in Table 3 below:

TABLE 3

Total Number of Gallons Injected and Recovered

Injected	-	0 (zero)
Recovered	-	6,942,649

The value for recovered gallons of 6,942,649 is the amount of wellfield bleed and domestic well water discharged directly to the evaporation ponds. The total volume of liquid waste effluent discharged to the evaporation ponds during the reporting period was 6,967,369 gallons which includes both wellfield bleed/domestic well water (6,942,649 gallons) and plant washdown water from the domestic well (24,720 gallons).

II. Construction and Development

There was no construction or development activity during the reporting period. Figure 1 is a drawing of the plant facilities layout. No new equipment was added to the plant.

III. Surface Disturbances and Topsoil Stockpile Volume

This section contains tabulations of surface area disturbances within the permit area. Since there was no additional land disturbed or affected during the reporting period this section is identical to last years annual report. Surface disturbances are categorized under two types of disturbances. Category "A" consists of those areas where excavations are necessary or topsoil may be degraded by chemicals or frequent trafficking. Category "B" consists of those areas where topsoil is minimally impacted (i.e., infrequent vehicular traffic). Tabulations for surface disturbances list areas disturbed only to the present time. Tables 4 and 5 are tabulations of Category "A" and Category "B" disturbances, respectively. These areas are shown on Figure 2, the Site Plan Layout.

TABLE 4

Category "A" Disturbances

<u>Description</u>	<u>Area (Sq. Ft.)</u>
Processing Plant Building including Tank Pad and Support Facilities Addition	27,700
Diesel Fuel Storage Tanks	1,500
Carbon Dioxide Storage Tanks	1,500
Septic Tank and Leach Field	3,000
Solid Waste Landfill	7,500
Access Roads to Wellfields	116,880
Outside Chemical Storage Area	13,700
Boneyard Area (Equipment parking, material storage, etc....)	23,770
Evaporation Ponds	433,376
Mud Pits	<u>22,160</u>
Total land area disturbed to date under Category "A"	651,086 Sq.Ft. (14.9 acres)

TABLE 5

Category "B" Disturbances

<u>Description</u>	<u>Area (Sq. Ft.)</u>
Office, Personnel, and Storage Trailers	6,000
L.P. Gas Storage Tanks	2,000
Vehicle Parking Area	4,000
Wellfield Areas (including 0.93 acre R & D Test Area)	<u>1,004,483</u>
Total land area disturbed to date under Category "B"	1,016,483 (23.3 acres)

The estimated topsoil quantities removed and stockpiled for the category "A" areas described above are presented in Table 6 below:

TABLE 6

Estimated Stockpiled Topsoil Volumes

<u>Description</u>	<u>Cubic Yards</u>
Processing Plant Building Including Tank Pad and Support Facilities Addition	1,500
Diesel Fuel Storage Tanks	56
Carbon Dioxide Storage Tanks	56
Septic Tank and Leach Field	111
Solid Waste Landfill	277
Access Roads to Wellfield	1,442
Outside Chemical Storage Area	254
Boneyard Area (Equipment parking, materials storage, etc....)	290
Evaporation Ponds	<u>15,300</u>
Total Volume	19,286 Cu.Yd.

All topsoil stockpiles and topsoil substitute stockpiles were seeded in the fall 1982 with Crested Wheatgrass to provide for temporary stabilization. The seeding rate was 12 pounds per acre of pure live seed.

IV. MINING AND RESTORATION/RECLAMATION SCHEDULE

Table 7 below is a revised Mining and Restoration/ Reclamation Schedule for the Bison Basin mine. This schedule has been revised based on the fact that 1) mining has been suspended for the entire reporting year, and 2) interim stabilization has been requested.

TABLE 7

Revised Mining and Restoration/Reclamation Schedule

<u>Year of Operation</u>	<u>Mining Unit(s) to be Mined</u>	<u>Mining Unit(s) to be Restored</u>	<u>Mining Unit(s) to be Reclaimed</u>
1(1980-81)	-	-	-
2(1981-82)	1	-	-
3(1982-83)	No Mining Operations		
4(1983-84)	No Mining Operations, Int. Stab. Requested		
5(1984-85)	No Mining Operations, Int. Stab. Requested		
6(1985-86)	Operations Subject to Market Conditions		
7(1986-87)	Operations Subject to Market Conditions		
8(1987-88)	Operations Subject to Market Conditions		

V. RESTORATION AND RECLAMATION

No restoration has been performed at the Bison Basin mine during the time period covered by this report. Restoration activities are expected to begin once the mining of unit No. 1 has been completed. Additionally, no reclamation work other than the continued maintenance of two test plots has been conducted at the Bison Basin mine site during the past year. Reclamation is scheduled to begin once restoration of mining unit No. 1 is completed.

The two reclamation demonstration test plots established in April, 1982 at the Mine Site continue to do well. These test plots were established in order to demonstrate the effects of topsoil impacts within the wellfield areas which were not stripped of topsoil. For the locations of these test plots, please refer to Figure 2. For a more complete discussion of these test plots, please refer to OPIC's letter of May 4, 1982.

VI. GROUNDWATER MONITORING

Water quality analytical data and water level data for all excursion monitor wells are presented in Tables 8 thru 22. These results are also presented in graphical form in Figures 7 thru 11. Monitor well locations are shown on figure 3. The analytical results presented are for all of the monitor wells

used in conjunction with mining unit No. 1. These results cover the time period of July 24, 1984 thru July 26, 1985. During this reporting period no OPIC monitor well has been in excursion status.

VII. EVAPORATION POND MONITORING

OPIC's evaporation pond monitoring program includes daily visual inspections of all pond embankments, freeboard limitations and leak detection systems. Daily inspection reports are kept on file at the mine office. Additionally, the evaporation pond monitor wells are sampled on a quarterly basis and analyzed for the six UCL parameters. Water samples from the evaporation ponds are also collected on a quarterly basis and analyzed for a number of elements. Analytical results from the quarterly samplings of the evaporation pond monitor wells are presented in Tables 23 thru 28. The locations of these wells are shown on Figure 4. Analytical results of quarterly evaporation pond samplings are presented in Table 29. There was no pond sample collected the first quarter of 1985 because the ponds were frozen solid.

One evaporation pond monitor well, M-72, was reported to be in excursion status in OPIC's letter of April 9, 1982. As previously discussed in OPIC's correspondence with the DEQ, OPIC believes that this problem is due to drilling fluid contamination of M-72 (which is difficult to correct in a low yield aquifer) and not due to a leak in the ponds. The concentrations of the excursion parameters in the pond effluent are considerably higher than those concentrations found in samples collected from M-72. Also, the leak detection system which underlies the liner has not indicated any leakage. The leak detection system under the liner is the primary indicator of leaks. For more information on M-72 please refer to OPIC's reports of April 9, May 18, and July 13, 1982. Because of the erratic nature of M-72's water quality data, the well is sampled twice a month instead of quarterly (see Table #24). During the reporting period no liquid was detected in the inspection tubes of the leak detection system.

VIII. ENVIRONMENTAL MONITORING

In addition to OPIC's groundwater monitoring program, various other environmental factors are monitored during the mining operation. Surface water quality is collected annually at three locations; West Alkali Creek (upstream point and downstream point) and Grassy Lake. These locations are shown on Figure 5. Surface water samples were collected on May 2, 1985 during spring runoff at the two collection points on West Alkali Creek. Grassy Lake was not sampled on May 2, 1985 because the lake was dry. Surface water quality data are presented in Tables 30, 31, and 32.

OPIC's environmental dosimetry program consists of monitoring 8 thermoluminescence dosimetry (TLD) locations on a continuous basis, with the dosimeters being exchanged quarterly.

The TLD results are presented in Table 33 and the monitoring locations are shown on Figure 6.

IX. BONDING

The current bonded amount of \$1,030,980.00 (see V.J. Bryan, LQD, letter dated 9/3/82) originally included coverage for the restoration of both mining units No. 1 and No. 2, and the plugging of 853 wells. Since the mining unit No. 2 wellfield has never been operated and since only 482 wells need plugging (vs. 853 wells previously estimated) the table of restoration and reclamation costs has been revised. The following is the revised breakdown of restoration and reclamation costs for OPIC's Bison Basin mine:

<u>Restoration and Reclamation Costs</u>		
Loading and transporting pond residue from site to nearest tailings dam (308 tons, 100 miles round trip)	16 trips @ \$4/mile (includes loading)	\$ 6,400
Backfilling ponds (40,000 yd ³)	\$0.75/yd ³	30,000
Regrading Subsoil and Spreading Topsoil (50,000 yd ³)	\$1.99/yd ³	100,000
Seeding (50 acres)	\$65/acre	3,250
Mulching (50 acres)	\$250/acre	12,500
Building and Equipment Removal and Burial of Unsalvageable Equipment		60,000
Well Plugging (482 wells)	\$250/hole	120,500
Restoration (First Mining Unit)		
R.O. Unit Cost	\$300,000	
O & M	\$300,000	
		600,000
Contingency		<u>98,330</u>
TOTAL		\$1,030,980

OGLE PETROLEUM INC.
BISON BASIN PROJECT
MONITOR WELL DATA

Monitor Well No. M-8

Mining Unit No. 1

SAMPLE DATE	CONDUCTIVITY (mmhos/cm)	CARBONATE PLUS BICARBONATE (mg/l)	CHLORIDE (mg/l)	SODIUM (mg/l)	SULFATE (mg/l)	URANIUM (mg/l)	WATER LEVEL (FEET)
Baseline	2150	117	33	420	910	0.009	N/A
UCL	2580	140	40	504	1092	1.009	N/A
UCL Plus 20%	3096	168	48	605	1310	1.211	N/A
08/08/84	1925	116	34	303	876	-.100	180.50
08/24/84	1950	120	34	308	876	-.100	208.10
09/03/84	1975	113	31	269	924	-.100	192.00
09/25/84	1950	114	32	354	852	-.100	201.50
10/11/84	1900	118	30	341	864	0.000	201.60
10/27/84	1975	114	29	352	864	-.100	208.50
11/12/84	1775	117	32	342	864	-.100	153.30
11/28/84	1850	117	34	356	828	-.100	136.00
12/14/84	1875	111	31	308	792	-.100	126.60
12/24/84	1900	116	31	335	804	-.100	122.90
01/07/85	1950	123	34	337	792	-.100	121.30
01/23/85	1850	114	30	339	828	-.100	114.80
02/08/85	1900	116	31	337	816	-.100	111.80
02/24/85	1925	109	30	342	840	-.100	107.20

NOTE: "-" Before number means not detected at level indicated. Water level is the distance from top of well casing to the water surface. N/A means not applicable. Baseline means high baseline. UCL means upper control limit. "0" means unable to collect sample due to pump or other problems.

OGLE PETROLEUM INC.
BISON BASIN PROJECT
MONITOR WELL DATA

Monitor Well No. M-8

Mining Unit No. 1

SAMPLE DATE	CONDUCTIVITY (mmhos/cm)	CARBONATE PLUS BICARBONATE (mg/l)	CHLORIDE (mg/l)	SODIUM (mg/l)	SULFATE (mg/l)	URANIUM (mg/l)	WATER LEVEL (FEET)
Baseline	2150	117	33	420	910	0.009	N/A
UCL	2580	140	40	504	1092	1.009	N/A
UCL Plus 20%	3096	168	48	605	1310	1.211	N/A
03/12/85	1925	114	33	329	864	-.100	107.10
03/28/85	1850	114	32	374	924	-.100	105.50
04/13/85	1925	111	35	376	912	-.100	104.10
04/23/85	1900	112	33	392	804	-.100	126.10
05/07/85	1875	112	31	372	828	-.100	185.30
05/23/85	1850	109	33	388	828	-.100	194.90
06/08/85	2000	111	31	384	840	-.100	194.80
06/24/85	1975	108	32	380	828	-.100	196.70
07/09/85	2000	111	34	388	804	-.100	198.10
07/26/85	2050	112	31	376	840	-.100	194.70

NOTE: "-" Before number means not detected at level indicated. Water level is the distance from top of well casing to the water surface. N/A means not applicable. Baseline means high baseline. UCL means upper control limit. "0" means unable to collect sample due to pump or other problems.

OGLE PETROLEUM INC.
BISON BASIN PROJECT
MONITOR WELL DATA

Monitor Well No. M-9

Mining Unit No. 1

SAMPLE DATE	CONDUCTIVITY (mmhos/cm)	CARBONATE PLUS BICARBONATE (mg/l)	CHLORIDE (mg/l)	SODIUM (mg/l)	SULFATE (mg/l)	URANIUM (mg/l)	WATER LEVEL (FEET)
Baseline	2190	117	35	410	864	0.010	N/A
UCL	2628	140	42	492	1037	1.010	N/A
UCL Plus 20%	3153	168	50	590	1244	1.212	N/A
08/08/84	1975	125	42	322	828	-.100	206.70
08/24/84	1975	128	41	315	852	-.100	234.70
09/09/84	2000	135	38	264	852	-.100	191.80
09/25/84	1825	120	34	351	840	-.100	209.80
10/11/84	1850	117	36	339	888	0.000	203.80
10/27/84	1900	122	34	344	852	-.100	210.30
11/12/84	1825	118	34	335	820	-.100	150.50
11/28/84	1900	116	36	347	792	-.100	133.60
12/14/84	1900	120	36	361	816	-.100	124.30
12/24/84	1850	118	38	330	780	-.100	120.90
01/07/85	1975	123	38	315	744	-.100	116.90
01/23/85	1900	117	33	354	792	-.100	113.10
02/08/85	1825	122	39	325	828	-.100	110.10
02/24/85	1850	120	36	337	804	-.100	107.70

NOTE: "-" Before number means not detected at level indicated. Water level is the distance from top of well casing to the water surface. N/A means not applicable. Baseline means high baseline. UCL means upper control limit. "0" means unable to collect sample due to pump or other problems.

Table No. 9

Page 1 of 2

OGLE PETROLEUM INC.
BISON BASIN PROJECT
MONITOR WELL DATA

Monitor Well No. M-9

Mining Unit No. 1

SAMPLE DATE	CONDUCTIVITY (mmhos/cm)	CARBONATE PLUS BICARBONATE (mg/l)	CHLORIDE (mg/l)	SODIUM (mg/l)	SULFATE (mg/l)	URANIUM (mg/l)	WATER LEVEL (FEET)
Baseline	2190	117	35	410	864	0.010	N/A
UCL	2628	140	42	492	1037	1.010	N/A
UCL Plus 20%	3153	168	50	590	1244	1.212	N/A
03/12/85	1850	122	39	324	828	-.100	105.50
03/28/85	1800	123	37	370	792	-.100	104.10
04/13/85	1875	122	40	372	828	-.100	102.80
04/23/85	1875	117	39	388	768	-.100	142.60
05/07/85	1875	112	37	380	804	-.100	205.80
05/23/85	1850	118	35	392	852	-.100	209.60
06/08/85	2000	111	36	380	828	-.100	210.40
06/24/85	2000	112	38	372	730	-.100	210.10
07/09/85	1975	114	37	376	768	-.100	211.30
07/26/85	2100	117	35	376	768	-.100	202.50

NOTE: "-" Before number means not detected at level indicated. Water level is the distance from top of well casing to the water surface. N/A means not applicable. Baseline means high baseline. UCL means upper control limit. "0" means unable to collect sample due to pump or other problems.

OGLE PETROLEUM INC.
BISON BASIN PROJECT
MONITOR WELL DATA

Monitor Well No. M-10

Mining Unit No. 1

SAMPLE DATE	CONDUCTIVITY (mmhos/cm)	CARBONATE PLUS BICARBONATE (mg/l)	CHLORIDE (mg/l)	SODIUM (mg/l)	SULFATE (mg/l)	URANIUM (mg/l)	WATER LEVEL (FEET)
Baseline	2000	142	40	418	805	0.008	N/A
UCL	2400	170	48	502	966	1.008	N/A
UCL Plus 20%	2880	204	58	602	1159	1.210	N/A
08/08/84	1775	120	39	266	804	-.100	115.20
08/24/84	1825	119	38	271	768	-.100	133.10
09/09/84	1775	122	36	220	792	-.100	139.30
09/25/84	1675	118	36	337	744	-.100	157.00
10/11/84	1725	118	38	315	768	0.000	169.20
10/27/84	1800	117	37	318	768	-.100	195.90
11/12/84	1700	120	37	312	732	-.100	138.70
11/28/84	1700	118	38	327	720	-.100	125.60
12/14/84	1700	114	39	339	720	-.100	117.70
12/24/84	1700	114	36	303	684	-.100	114.30
01/07/85	1775	125	39	288	648	-.100	110.10
01/23/85	1800	117	34	315	672	-.100	106.40
02/08/85	1700	117	33	308	756	-.100	103.20
02/24/85	1775	117	38	320	720	-.100	100.70

NOTE: "-" Before number means not detected at level indicated. Water level is the distance from top of well casing to the water surface. N/A means not applicable. Baseline means high baseline. UCL means upper control limit. "0" means unable to collect sample due to pump or other problems.

OGLE PETROLEUM INC.
BISON BASIN PROJECT
MONITOR WELL DATA

Monitor Well No. M-10

Mining Unit No. 1

SAMPLE DATE	CONDUCTIVITY (mmhos/cm)	CARBONATE PLUS BICARBONATE (mg/l)	CHLORIDE (mg/l)	SODIUM (mg/l)	SULFATE (mg/l)	URANIUM (mg/l)	WATER LEVEL (FEET)
Baseline	2000	142	40	418	805	0.008	N/A
UCL	2400	170	48	502	966	1.008	N/A
UCL Plus 20%	2880	204	58	602	1159	1.210	N/A
03/12/85	1775	116	39	305	756	-.100	98.20
03/28/85	1600	119	36	350	744	-.100	96.40
04/13/85	1700	112	39	336	672	-.100	94.90
04/23/85	1625	116	38	348	660	-.100	109.00
05/07/85	1800	117	38	356	788	-.100	151.30
05/23/85	1725	114	38	348	732	-.100	162.80
06/08/85	1725	112	36	348	696	-.100	162.80
06/24/85	1850	112	38	332	768	-.100	116.70
07/09/85	1875	112	39	340	696	-.100	167.50
07/26/85	1950	115	38	348	744	-.100	169.70

NOTE: "-" Before number means not detected at level indicated. Water level is the distance from top of well casing to the water surface. N/A means not applicable. Baseline means high baseline. UCL means upper control limit. "0" means unable to collect sample due to pump or other problems.

OGLE PETROLEUM INC.
BISON BASIN PROJECT
MONITOR WELL DATA

Monitor Well No. M-11

Mining Unit No. 1

SAMPLE DATE	CONDUCTIVITY (mmhos/cm)	CARBONATE PLUS BICARBONATE (mg/l)	CHLORIDE (mg/l)	SODIUM (mg/l)	SULFATE (mg/l)	URANIUM (mg/l)	WATER LEVEL (FEET)
Baseline	2160	132	40	423	760	0.010	N/A
UCL	2597	158	48	508	912	1.010	N/A
UCL Plus 20%	3116	190	58	610	1088	1.212	N/A
08/08/84	1825	120	37	269	804	-.100	89.30
08/24/84	1825	128	36	271	780	-.100	98.80
09/09/84	1750	123	35	213	780	-.100	105.30
09/25/84	1700	122	31	332	768	-.100	120.70
10/11/84	1775	120	34	327	768	0.000	134.90
10/27/84	1825	122	34	327	744	-.100	140.00
11/12/84	1725	123	33	318	732	-.100	117.50
11/28/84	1700	122	36	325	708	-.100	109.30
12/14/84	1725	123	37	344	744	-.100	103.80
12/24/84	1700	118	36	320	720	-.100	101.10
01/07/85	1800	125	38	298	720	-.100	98.00
01/23/85	1825	120	33	351	648	-.100	94.90
02/08/85	1800	117	35	313	672	-.100	92.20
02/24/85	1775	120	36	349	684	-.100	90.00

NOTE: "-" Before number means not detected at level indicated. Water level is the distance from top of well casing to the water surface. N/A means not applicable. Baseline means high baseline. UCL means upper control limit. "0" means unable to collect sample due to pump or other problems.

OGLE PETROLEUM INC.
BISON BASIN PROJECT
MONITOR WELL DATA

Monitor Well No. M-11

Mining Unit No. 1

SAMPLE DATE	CONDUCTIVITY (mmhos/cm)	CARBONATE PLUS BICARBONATE (mg/l)	CHLORIDE (mg/l)	SODIUM (mg/l)	SULFATE (mg/l)	URANIUM (mg/l)	WATER LEVEL (FEET)
Baseline	2160	132	40	423	760	0.010	N/A
UCL	2597	158	48	508	912	1.010	N/A
UCL Plus 20%	3116	190	58	610	1088	1.212	N/A
03/12/85	1700	122	37	300	732	-.100	88.00
03/28/85	1700	119	34	356	780	-.100	96.10
04/13/85	1725	120	38	340	732	-.100	84.70
04/23/85	1700	122	37	344	696	-.100	101.00
05/07/85	1750	120	35	352	708	-.100	127.60
05/23/85	1700	117	35	344	672	-.100	136.10
06/08/85	1850	117	34	356	684	-.100	136.40
06/24/85	1825	117	35	336	744	-.100	140.30
07/09/85	1950	117	37	348	732	-.100	141.60
07/26/85	1950	122	36	348	780	-.100	145.20

NOTE: "-" Before number means not detected at level indicated. Water level is the distance from top of well casing to the water surface. N/A means not applicable. Baseline means high baseline. UCL means upper control limit. "0" means unable to collect sample due to pump or other problems.

OGLE PETROLEUM INC.
BISON BASIN PROJECT
MONITOR WELL DATA

Monitor Well No. M-12

Mining Unit No. 1

SAMPLE DATE	CONDUCTIVITY (mmhos/cm)	CARBONATE PLUS BICARBONATE (mg/l)	CHLORIDE (mg/l)	SODIUM (mg/l)	SULFATE (mg/l)	URANIUM (mg/l)	WATER LEVEL (FEET)
Baseline	2070	132	31	420	820	0.013	N/A
UCL	2484	158	37	504	934	1.013	N/A
UCL Plus 20%	2980	190	44	605	1191	1.216	N/A
08/08/84	1875	115	32	283	828	-.100	121.40
08/24/84	1925	126	32	310	852	-.100	138.00
09/09/84	1875	116	30	240	804	-.100	142.90
09/25/84	1725	122	30	344	888	-.100	163.60
10/11/84	1875	118	30	334	852	0.000	117.00
10/27/84	1850	116	30	337	864	-.100	182.30
11/12/84	1875	117	29	335	756	-.100	140.00
11/28/84	1825	118	28	340	792	-.100	128.00
12/14/84	1825	120	31	361	780	-.100	120.80
12/24/84	1775	118	32	335	780	-.100	117.90
01/07/85	1900	123	32	307	720	-.100	114.50
01/23/85	1950	116	29	329	780	-.100	111.00
02/08/85	1900	118	28	323	744	-.100	108.30
02/24/85	1900	116	31	332	828	-.100	105.90

NOTE: "-" Before number means not detected at level indicated. Water level is the distance from top of well casing to the water surface. N/A means not applicable. Baseline means high baseline. UCL means upper control limit. "0" means unable to collect sample due to pump or other problems.

OGLE PETROLEUM INC.
BISON BASIN PROJECT
MONITOR WELL DATA

Monitor Well No. M-12

Mining Unit No. 1

SAMPLE DATE	CONDUCTIVITY (mmhos/cm)	CARBONATE PLUS BICARBONATE (mg/l)	CHLORIDE (mg/l)	SODIUM (mg/l)	SULFATE (mg/l)	URANIUM (mg/l)	WATER LEVEL (FEET)
Baseline	2070	132	31	420	820	0.013	N/A
UCL	2484	158	37	504	984	1.013	N/A
UCL Plus 20%	2980	190	44	605	1181	1.216	N/A
03/12/85	1850	116	31	315	852	-.100	108.70
03/28/85	1750	122	30	363	840	-.100	102.20
04/13/85	1800	117	36	364	888	-.100	100.80
04/23/85	1800	122	31	376	804	-.100	138.70
05/07/85	1875	115	31	360	756	-.100	180.90
05/23/85	1825	114	31	368	876	-.100	186.90
06/08/85	1950	114	30	376	816	-.100	183.40
06/24/85	1975	112	30	368	792	-.100	186.30
07/09/85	2000	117	32	364	828	-.100	185.30
07/26/85	2050	114	30	372	792	-.100	188.80

NOTE: "-" Before number means not detected at level indicated. Water level is the distance from top of well casing to the water surface. N/A means not applicable. Baseline means high baseline. UCL means upper control limit. "0" means unable to collect sample due to pump or other problems.

OGLE PETROLEUM INC.
BISON BASIN PROJECT
MONITOR WELL DATA

Monitor Well No. 4-13

Mining Unit No. 1

SAMPLE DATE	CONDUCTIVITY (mmhos/cm)	CARBONATE PLUS BICARBONATE (mg/l)	CHLORIDE (mg/l)	SODIUM (mg/l)	SULFATE (mg/l)	URANIUM (mg/l)	WATER LEVEL (FEET)
Baseline	2110	122	33	430	862	0.014	N/A
UCL	2532	146	40	516	1034	1.014	N/A
UCL Plus 20%	3038	175	48	619	1241	1.217	N/A
08/08/84	1975	112	32	305	816	-.100	176.10
08/24/84	1975	122	33	312	840	-.100	200.00
09/09/84	1975	118	29	242	864	-.100	188.50
09/25/84	1825	120	30	354	876	-.100	202.00
10/11/84	1975	122	29	342	840	0.000	207.00
10/27/84	1900	109	31	344	864	-.100	213.10
11/12/84	1950	114	28	340	876	-.100	157.50
11/28/84	1875	122	28	344	852	-.100	142.60
12/14/84	1925	114	30	368	792	-.100	134.60
12/24/84	1875	120	30	344	792	-.100	131.30
01/07/85	1950	120	30	317	816	-.100	127.50
01/23/85	2000	116	28	344	852	-.100	124.00
02/08/85	1925	114	29	330	828	-.100	121.00
02/24/85	1975	117	30	347	900	-.100	119.10

NOTE: "-" Before number means not detected at level indicated. Water level is the distance from top of well casing to the water surface. N/A means not applicable. Baseline means high baseline. UCL means upper control limit. "0" means unable to collect sample due to pump or other problems.

OGLE PETROLEUM INC.
BISON BASIN PROJECT
MONITOR WELL DATA

Monitor Well No. M-13

Mining Unit No. 1

SAMPLE DATE	CONDUCTIVITY (mmhos/cm)	CARBONATE PLUS BICARBONATE (mg/l)	CHLORIDE (mg/l)	SODIUM (mg/l)	SULFATE (mg/l)	URANIUM (mg/l)	WATER LEVEL (FEET)
Baseline	2110	122	33	430	862	0.014	N/A
UCL	2532	146	40	516	1034	1.014	N/A
UCL Plus 20%	3038	175	48	619	1241	1.217	N/A
03/12/85	1925	114	30	323	900	-.100	117.20
03/28/85	1825	120	28	366	900	-.100	115.50
04/13/85	1875	112	32	368	876	-.100	114.30
04/23/85	1925	123	31	376	840	-.100	139.60
05/07/85	1950	111	31	380	828	-.100	196.90
05/23/85	1875	117	33	376	876	-.100	203.60
06/08/85	2050	112	31	380	852	-.100	199.80
06/24/85	2025	112	32	368	816	-.100	202.60
07/09/85	2025	114	31	372	792	-.100	203.10
07/26/85	2150	115	31	368	912	-.100	201.30

NOTE: "-" Before number means not detected at level indicated. Water level is the distance from top of well casing to the water surface. N/A means not applicable. Baseline means high baseline. UCL means upper control limit. "0" means unable to collect sample due to pump or other problems.

OGLE PETROLEUM INC.
BISON BASIN PROJECT
MONITOR WELL DATA

Monitor Well No. M-14

Mining Unit No. 1

SAMPLE DATE	CONDUCTIVITY (mmhos/cm)	CARBONATE PLUS BICARBONATE (mg/l)	CHLORIDE (mg/l)	SODIUM (mg/l)	SULFATE (mg/l)	URANIUM (mg/l)	WATER LEVEL (FEET)
Baseline	2200	127	29	437	850	0.015	N/A
UCL	2640	152	35	524	1020	1.015	N/A
UCL Plus 20%	3168	182	42	629	1224	1.218	N/A
08/08/84	2000	117	32	293	804	-.100	200.50
08/24/84	1925	124	31	303	828	-.100	226.20
09/09/84	1900	123	28	232	840	-.100	201.90
09/25/84	1775	118	29	349	828	-.100	216.10
10/11/84	1925	117	29	334	840	0.000	218.20
10/27/84	1875	114	27	334	840	-.100	224.60
11/12/84	1900	118	29	335	852	-.100	165.10
11/28/84	1825	118	28	347	804	-.100	149.60
12/14/84	1875	118	28	366	888	-.100	141.00
12/24/84	1900	115	30	337	804	-.100	137.80
01/07/85	1975	125	29	307	768	-.100	134.00
01/23/85	1950	120	26	332	732	-.100	130.40
02/08/85	1950	118	28	325	744	-.100	128.10
02/24/85	2000	120	28	337	828	-.100	125.70

NOTE: "--" Before number means not detected at level indicated. Water level is the distance from top of well casing to the water surface. N/A means not applicable. Baseline means high baseline. UCL means upper control limit. "0" means unable to collect sample due to pump or other problems.

OGLE PETROLEUM INC.
BISON BASIN PROJECT
MONITOR WELL DATA

Monitor Well No. M-14

Mining Unit No. 1

SAMPLE DATE	CONDUCTIVITY (mmhos/cm)	CARBONATE PLUS BICARBONATE (mg/l)	CHLORIDE (mg/l)	SODIUM (mg/l)	SULFATE (mg/l)	URANIUM (mg/l)	WATER LEVEL (FEET)
Baseline	2200	127	29	437	850	0.015	N/A
UCL	2640	152	35	524	1020	1.015	N/A
UCL Plus 20%	3168	182	42	629	1224	1.218	N/A
03/12/85	1850	114	29	320	732	-.100	123.50
03/28/85	1800	119	28	363	912	-.100	122.40
04/13/85	1900	115	31	360	924	-.100	120.80
04/23/85	1875	117	28	376	780	-.100	160.30
05/07/85	1925	117	29	368	768	-.100	218.50
05/23/85	1900	116	30	368	744	-.100	222.50
06/08/85	2100	115	26	376	792	-.100	218.50
06/24/85	1975	119	30	364	804	-.100	220.60
07/09/85	2000	118	29	372	780	-.100	221.10
07/26/85	2050	120	30	372	804	-.100	217.70

NOTE: "-" Before number means not detected at level indicated. Water level is the distance from top of well casing to the water surface. N/A means not applicable. Baseline means high baseline. UCL means upper control limit. "0" means unable to collect sample due to pump or other problems.

OGLE PETROLEUM INC.
BISON BASIN PROJECT
MONITOR WELL DATA

Monitor Well No. M-15

Mining Unit No. 1

SAMPLE DATE	CONDUCTIVITY (mmhos/cm)	CARBONATE PLUS BICARBONATE (mg/l)	CHLORIDE (mg/l)	SODIUM (mg/l)	SULFATE (mg/l)	URANIUM (mg/l)	WATER LEVEL (FEET)
Baseline	2150	122	42	430	898	0.012	N/A
UCL	2580	146	50	516	1078	1.012	N/A
UCL Plus 20%	3096	175	60	619	1294	1.214	N/A
08/08/84	1975	118	30	300	828	-.100	210.50
08/24/84	1975	119	32	308	816	-.100	236.20
09/09/84	1750	118	29	249	864	-.100	201.60
09/25/84	1850	114	29	351	816	-.100	217.00
10/11/84	1950	120	28	337	888	0.000	217.30
10/27/84	1900	120	28	349	852	-.100	223.10
11/12/84	1875	117	22	337	852	-.100	164.50
11/28/84	1925	122	28	349	804	-.100	142.50
12/14/84	1900	117	30	363	792	-.100	139.10
12/24/84	1875	118	29	339	828	-.100	135.90
01/07/85	1900	120	30	310	792	-.100	131.80
01/23/85	2000	116	28	337	816	-.100	128.10
02/08/85	1975	120	29	327	804	-.100	125.70
02/24/85	2000	120	28	344	840	-.100	123.50

NOTE: "-" Before number means not detected at level indicated. Water level is the distance from top of well casing to the water surface. N/A means not applicable. Baseline means high baseline. UCL means upper control limit. "0" means unable to collect sample due to pump or other problems.

OGLE PETROLEUM INC.
BISON BASIN PROJECT
MONITOR WELL DATA

Monitor Well No. M-15

Mining Unit No. 1

SAMPLE DATE)	CONDUCTIVITY (mmhos/cm)	CARBONATE PLUS BICARBONATE (mg/l)	CHLORIDE (mg/l)	SODIUM (mg/l)	SULFATE (mg/l)	URANIUM (mg/l)	WATER LEVEL (FEET)
Baseline	2150	122	42	430	898	0.012	N/A
UCL	2580	146	50	516	1078	1.012	N/A
UCL Plus 20%	3096	175	60	619	1294	1.214	N/A
03/12/85	1900	118	30	327	828	-.100	122.00
03/28/85	1875	116	28	365	924	-.100	120.00
04/13/85	1950	117	31	368	888	-.100	118.70
04/23/85	1950	111	30	376	744	-.100	163.00
05/07/85	1975	117	30	380	840	-.100	221.20
05/23/85	1875	120	30	372	828	-.100	220.00
06/08/85	2000	112	29	376	756	-.100	220.60
06/24/85	2000	114	29	372	804	-.100	222.90
07/09/85	2025	118	30	364	828	-.100	223.30
07/26/85	2050	118	30	372	852	-.100	219.00

NOTE: "-" Before number means not detected at level indicated. Water level is the distance from top of well casing to the water surface. N/A means not applicable. Baseline means high baseline. UCL means upper control limit. "0" means unable to collect sample due to pump or other problems.

OGLE PETROLEUM INC.
BISON BASIN PROJECT
MONITOR WELL DATA

Monitor Well No. M-16

Mining Unit No. 1

SAMPLE DATE	CONDUCTIVITY (mmhos/cm)	CARBONATE PLUS BICARBONATE (mg/l)	CHLORIDE (mg/l)	SODIUM (mg/l)	SULFATE (mg/l)	URANIUM (mg/l)	WATER LEVEL (FEET)
Baseline	2183	122	40	450	848	0.013	N/A
UCL	2620	146	48	540	1018	1.013	N/A
UCL Plus 20%	3144	175	58	648	1222	1.216	N/A
08/08/84	2000	118	31	315	840	-.100	192.20
08/24/84	2000	120	29	312	864	-.100	216.90
09/09/84	1950	125	27	247	888	-.100	202.70
09/25/84	1900	118	25	356	912	-.100	214.00
10/11/84	1975	123	26	347	840	0.000	216.30
10/27/84	1925	117	27	344	936	-.100	222.00
11/12/84	1950	122	27	342	852	-.100	167.40
11/28/84	1900	122	27	354	828	-.100	152.10
12/14/84	1925	122	28	371	888	-.100	144.30
12/24/84	1875	122	28	344	816	-.100	141.40
01/07/85	1975	125	26	303	732	-.100	137.60
01/23/85	2000	119	26	337	828	-.100	134.30
02/08/85	1975	117	25	325	840	-.100	131.60
02/24/85	1975	117	27	346	828	-.100	129.40

NOTE: "-" Before number means not detected at level indicated. Water level is the distance from top of well casing to the water surface. N/A means not applicable. Baseline means high baseline. UCL means upper control limit. "0" means unable to collect sample due to pump or other problems.

OGLE PETROLEUM INC.
BISON BASIN PROJECT
MONITOR WELL DATA

Monitor Well No. M-16

Mining Unit No. 1

SAMPLE DATE	CONDUCTIVITY (mmhos/cm)	CARBONATE PLUS BICARBONATE (mg/l)	CHLORIDE (mg/l)	SODIUM (mg/l)	SULFATE (mg/l)	URANIUM (mg/l)	WATER LEVEL (FEET)
Baseline	2183	122	40	450	848	0.013	N/A
UCL	2620	146	48	540	1018	1.013	N/A
UCL Plus 20%	3144	175	58	648	1222	1.216	N/A
03/12/85	1975	122	27	327	804	-.100	127.60
03/28/85	1850	117	27	368	984	-.100	126.20
04/13/85	1875	119	30	368	888	-.100	125.00
04/23/85	1925	120	27	388	828	-.100	149.80
05/07/85	1950	120	28	364	816	-.100	206.10
05/23/85	1900	120	27	376	864	-.100	212.40
06/08/85	2050	122	28	384	840	-.100	209.50
06/24/85	1950	119	28	368	852	-.100	211.50
07/09/85	2025	120	28	376	792	-.100	212.60
07/26/85	2050	120	29	380	852	-.100	209.40

NOTE: "--" Before number means not detected at level indicated. Water level is the distance from top of well casing to the water surface. N/A means not applicable. Baseline means high baseline. UCL means upper control limit. "0" means unable to collect sample due to pump or other problems.

OGLE PETROLEUM INC.
BISON BASIN PROJECT
MONITOR WELL DATA

Monitor Well No. M-3 (UPPER)

Mining Unit No. 1

SAMPLE DATE	CONDUCTIVITY (mmhos/cm)	CARBONATE PLUS BICARBONATE (mg/l)	CHLORIDE (mg/l)	SODIUM (mg/l)	SULFATE (mg/l)	URANIUM (mg/l)	WATER LEVEL (FEET)
Baseline	2275	110	18	583	1310	-.001	N/A
UCL	2730	132	22	700	1572	1.001	N/A
UCL Plus 20%	3276	158	26	840	1886	1.201	N/A
08/08/84	2275	93	21	407	1068	-.100	65.00
08/24/84	2350	88	19	426	1176	-.100	67.30
09/09/84	2375	84	17	409	1128	-.100	67.80
09/25/84	2375	82	17	429	1152	-.100	68.40
10/11/84	2300	84	15	395	1188	0.000	78.20
10/27/84	2300	81	16	465	1128	-.100	69.80
11/12/84	2275	82	16	390	1188	-.100	67.00
11/28/84	2350	84	16	405	1104	-.100	65.60
12/14/84	2350	84	17	448	1056	-.100	64.90
12/24/84	2425	80	17	385	1104	-.100	64.30
01/07/85	2350	93	18	402	1068	-.100	64.00
01/23/85	2350	90	18	381	1092	-.100	63.70
02/08/85	2300	85	16	381	1080	-.100	63.60
02/24/85	2350	84	17	385	1164	-.100	63.80

NOTE: "--" Before number means not detected at level indicated. Water level is the distance from top of well casing to the water surface. N/A means not applicable. Baseline means high baseline. UCL means upper control limit. "0" means unable to collect sample due to pump or other problems.

OGLE PETROLEUM INC.
BISON BASIN PROJECT
MONITOR WELL DATA

Monitor Well No. M-3(UPPER)

Mining Unit No. 1

SAMPLE DATE	CONDUCTIVITY (mmhos/cm)	CARBONATE PLUS BICARBONATE (mg/l)	CHLORIDE (mg/l)	SODIUM (mg/l)	SULFATE (mg/l)	URANIUM (mg/l)	WATER LEVEL (FEET)
Baseline	2275	110	18	583	1310	-.001	N/A
UCL	2730	132	22	700	1572	1.001	N/A
UCL Plus 20%	3276	158	26	840	1886	1.201	N/A
03/12/85	2250	85	19	373	1200	-.100	63.60
03/28/85	2250	84	17	452	1200	-.100	63.20
04/13/85	2250	88	17	445	1200	-.100	64.20
04/23/85	2275	84	19	450	1080	-.100	63.60
05/07/85	2250	87	17	440	1128	-.100	68.60
05/23/85	2200	87	18	460	1200	-.100	68.30
06/08/85	2550	82	18	465	1128	-.100	68.00
06/24/85	2500	79	19	445	1128	-.100	68.20
07/09/85	2550	82	17	455	1140	-.100	68.80
07/26/85	2500	77	17	470	1092	-.100	68.90

NOTE: "--" Before number means not detected at level indicated. Water level is the distance from top of well casing to the water surface. N/A means not applicable. Baseline means high baseline. UCL means upper control limit. "0" means unable to collect sample due to pump or other problems.

Table No. 17

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OGLE PETROLEUM INC.
BISON BASIN PROJECT
MONITOR WELL DATA

Monitor Well No. M-17(UPPER)

Mining Unit No. 1

SAMPLE DATE	CONDUCTIVITY (mmhos/cm)	CARBONATE PLUS BICARBONATE (mg/l)	CHLORIDE (mg/l)	SODIUM (mg/l)	SULFATE (mg/l)	URANIUM (mg/l)	WATER LEVEL (FEET)
Baseline	2960	103	19	549	1255	0.017	N/A
UCL	3552	124	23	659	1506	1.017	N/A
UCL Plus 20%	4262	149	28	791	1807	1.220	N/A
08/08/84	2425	93	18	400	1176	-.100	54.50
08/24/84	2450	94	19	453	1260	-.100	65.90
09/09/84	2450	97	16	402	1248	-.100	66.40
09/25/84	2300	100	16	412	1344	-.100	67.00
10/11/84	2400	103	17	390	1344	0.000	76.30
10/27/84	2350	103	17	392	1152	-.100	68.30
11/12/84	2400	106	17	386	1188	-.100	65.60
11/28/84	2400	110	15	307	1224	-.100	64.30
12/14/84	2250	102	15	426	1200	-.100	63.60
12/24/84	2300	111	16	381	1224	-.100	63.10
01/07/85	2400	119	17	344	1104	-.100	62.70
01/23/85	2450	105	14	369	1176	-.100	62.10
02/08/85	2400	109	16	371	1176	-.100	62.30
02/24/85	2400	106	15	414	1104	-.100	62.20

NOTE: "-" Before number means not detected at level indicated. Water level is the distance from top of well casing to the water surface. N/A means not applicable. Baseline means high baseline. UCL means upper control limit. "0" means unable to collect sample due to pump or other problems.

OGLE PETROLEUM INC.
BISON BASIN PROJECT
MONITOR WELL DATA

Monitor Well No. M-17(UPPER)

Mining Unit No. 1

SAMPLE DATE	CONDUCTIVITY (mmhos/cm)	CARBONATE PLUS BICARBONATE (mg/l)	CHLORIDE (mg/l)	SODIUM (mg/l)	SULFATE (mg/l)	URANIUM (mg/l)	WATER LEVEL (FEET)
Baseline	2960	103	19	549	1255	0.017	N/A
UCL	3552	124	23	659	1506	1.017	N/A
UCL Plus 20%	4262	149	28	791	1807	1.220	N/A
03/12/85	2350	102	16	366	1272	-.100	62.30
03/28/85	2200	105	15	443	1344	-.100	62.00
04/13/85	2325	99	18	460	1320	-.100	63.30
04/23/85	2300	100	16	450	1152	-.100	62.50
05/07/85	2400	102	16	480	1176	-.100	67.00
05/23/85	2300	99	17	445	1224	-.100	66.80
06/08/85	2600	99	17	450	1248	-.100	66.50
06/24/85	2650	102	16	425	1248	-.100	67.30
07/09/85	2450	108	16	445	1224	-.100	67.30
07/26/85	2500	106	16	455	1248	-.100	67.40

NOTE: "--" Before number means not detected at level indicated. Water level is the distance from top of well casing to the water surface. N/A means not applicable. Baseline means high baseline. UCL means upper control limit. "0" means unable to collect sample due to pump or other problems.

OGLE PETROLEUM INC.
BISON BASIN PROJECT
MONITOR WELL DATA

Monitor Well No. M-18(UPPER)

Mining Unit No. 1

SAMPLE DATE	CONDUCTIVITY (mmhos/cm)	CARBONATE PLUS BICARBONATE (mg/l)	CHLORIDE (mg/l)	SODIUM (mg/l)	SULFATE (mg/l)	URANIUM (mg/l)	WATER LEVEL (FEET)
Baseline	2760	93	20	545	1230	-.005	N/A
UCL	3312	112	24	654	1476	1.005	N/A
UCL Plus 20%	3974	134	29	785	1771	1.206	N/A
08/08/84	2700	73	20	584	1296	-.100	54.50
08/24/84	2700	79	20	538	1344	-.100	52.90
09/09/84	2650	76	19	468	1368	-.100	53.60
09/25/84	2500	71	17	429	1440	-.100	53.90
10/11/84	2600	74	18	412	1440	0.000	59.30
10/27/84	2550	74	19	414	1320	-.100	55.00
11/12/84	2600	74	19	409	1344	-.100	53.40
11/28/84	2500	71	18	429	1344	-.100	52.50
12/14/84	2575	74	19	460	1272	-.100	52.10
12/24/84	2500	74	19	417	1344	-.100	51.50
01/07/85	2600	77	19	380	1248	-.100	51.20
01/23/85	2600	73	17	385	1392	-.100	51.10
02/08/85	2550	73	18	398	1296	-.100	50.90
02/24/85	2600	73	20	412	1344	-.100	50.70

NOTE: "--" Before number means not detected at level indicated. Water level is the distance from top of well casing to the water surface. N/A means not applicable. Baseline means high baseline. UCL means upper control limit. "0" means unable to collect sample due to pump or other problems.

OGLE PETROLEUM INC.
BISON BASIN PROJECT
MONITOR WELL DATA

Monitor Well No. M-18(UPPER)

Mining Unit No. 1

SAMPLE DATE	CONDUCTIVITY (mmhos/cm)	CARBONATE PLUS BICARBONATE (mg/l)	CHLORIDE (mg/l)	SODIUM (mg/l)	SULFATE (mg/l)	URANIUM (mg/l)	WATER LEVEL (FEET)
Baseline	2760	93	20	545	1230	-.005	N/A
UCL	3312	112	24	654	1476	1.005	N/A
UCL Plus 20%	3974	134	29	785	1771	1.206	N/A
03/12/85	2575	73	19	388	1344	-.100	50.80
03/28/85	2450	74	18	464	1416	-.100	50.60
04/13/85	2475	76	20	495	1416	-.100	51.60
04/23/85	2425	73	20	485	1320	-.100	50.60
05/07/85	2600	71	18	485	1320	-.100	53.70
05/23/85	2500	73	18	470	1344	-.100	53.90
06/08/85	2750	71	19	480	1320	-.100	53.70
06/24/85	2775	88	19	465	1344	-.100	54.20
07/09/85	2700	77	19	455	1248	-.100	55.00
07/26/85	2700	70	19	485	1272	-.100	54.60

NOTE: "--" Before number means not detected at level indicated. Water level is the distance from top of well casing to the water surface. N/A means not applicable. Baseline means high baseline. UCL means upper control limit. "0" means unable to collect sample due to pump or other problems.

OGLE PETROLEUM INC.
BISON BASIN PROJECT
MONITOR WELL DATA

Monitor Well No. M-18(UPPER)

Mining Unit No. 1

SAMPLE DATE	CONDUCTIVITY (mmhos/cm)	CARBONATE PLUS BICARBONATE (mg/l)	CHLORIDE (mg/l)	SODIUM (mg/l)	SULFATE (mg/l)	URANIUM (mg/l)	WATER LEVEL (FEET)
Baseline	2760	93	20	545	1230	-.005	N/A
UCL	3312	112	24	654	1476	1.005	N/A
UCL Plus 20%	3974	134	29	785	1771	1.206	N/A
03/12/85	2575	73	19	388	1344	-.100	50.80
03/28/85	2450	74	18	464	1416	-.100	50.60
04/13/85	2475	76	20	495	1416	-.100	51.60
04/23/85	2425	73	20	485	1320	-.100	50.60
05/07/85	2600	71	18	485	1320	-.100	53.70
05/23/85	2500	73	18	470	1344	-.100	53.90
06/08/85	2750	71	19	480	1320	-.100	53.70
06/24/85	2775	88	19	465	1344	-.100	54.20
07/09/85	2700	77	19	455	1248	-.100	55.00
07/26/85	2700	70	19	485	1272	-.100	54.60

NOTE: "--" Before number means not detected at level indicated. Water level is the distance from top of well casing to the water surface. N/A means not applicable. Baseline means high baseline. UCL means upper control limit. "0" means unable to collect sample due to pump or other problems.

OGLE PETROLEUM INC.
BISON BASIN PROJECT
MONITOR WELL DATA

Monitor Well No. M-61 (UPPER)

Mining Unit No. 1

SAMPLE DATE	CONDUCTIVITY (mmhos/cm)	CARBONATE PLUS BICARBONATE (mg/l)	CHLORIDE (mg/l)	SODIUM (mg/l)	SULFATE (mg/l)	URANIUM (mg/l)	WATER LEVEL (FEET)
Baseline	2632	83	22	480	1190	0.016	N/A
UCL	3158	100	26	576	1428	1.016	N/A
UCL Plus 20%	3790	120	31	691	1714	1.219	N/A
08/08/84	2325	78	22	458	1080	-.100	47.50
08/24/84	2400	81	20	446	1080	-.100	49.60
09/09/84	2375	78	18	351	1152	-.100	50.20
09/25/84	2250	76	18	395	1164	-.100	50.60
10/11/84	2400	76	20	390	1128	0.000	55.70
10/27/84	2350	76	18	386	1188	-.100	51.60
11/12/84	2450	74	18	388	1200	-.100	50.10
11/28/84	2300	76	19	400	1140	-.100	49.30
12/14/84	2250	79	20	409	1104	-.100	48.60
12/24/84	2300	76	19	376	1152	-.100	48.20
01/07/85	2350	79	18	341	1020	-.100	48.00
01/23/85	2450	76	18	376	1068	-.100	48.30
02/08/85	2375	78	18	373	1128	-.100	47.50
02/24/85	2375	71	19	383	1068	-.100	47.50

NOTE: "-" Before number means not detected at level indicated. Water level is the distance from top of well casing to the water surface. N/A means not applicable. Baseline means high baseline. UCL means upper control limit. "0" means unable to collect sample due to pump or other problems.

OGLE PETROLEUM INC.
BISON BASIN PROJECT
MONITOR WELL DATA

Monitor Well No. M-61(UPPER)

Mining Unit No. 1

SAMPLE DATE	CONDUCTIVITY (mmhos/cm)	CARBONATE PLUS BICARBONATE (mg/l)	CHLORIDE (mg/l)	SODIUM (mg/l)	SULFATE (mg/l)	URANIUM (mg/l)	WATER LEVEL (FEET)
Baseline	2632	83	22	480	1190	0.016	N/A
UCL	3158	100	26	576	1428	1.016	N/A
UCL Plus 20%	3790	120	31	691	1714	1.219	N/A
03/12/85	2300	73	18	363	1183	-.100	47.70
03/28/85	2250	74	19	437	1200	-.100	47.50
04/13/85	2350	74	21	460	1176	-.100	48.40
04/23/85	2275	76	22	435	1140	-.100	47.70
05/07/85	2400	76	19	430	1068	-.100	50.40
05/23/85	2375	74	19	450	1152	-.100	50.60
06/08/85	2575	74	20	440	1128	-.100	50.50
06/24/85	2400	74	19	420	1200	-.100	50.80
07/09/85	2700	77	19	430	1152	-.100	51.40
07/26/85	2400	76	20	445	1104	-.100	51.30

NOTE: "-" Before number means not detected at level indicated. Water level is the distance from top of well casing to the water surface. N/A means not applicable. Baseline means high baseline. UCL means upper control limit. "0" means unable to collect sample due to pump or other problems.

OGLE PETROLEUM INC.
BISON BASIN PROJECT
MONITOR WELL DATA

Monitor Well No. M-62(UPPER)

Mining Unit No. 1

SAMPLE DATE	CONDUCTIVITY (mmhos/cm)	CARBONATE PLUS BICARBONATE (mg/l)	CHLORIDE (mg/l)	SODIUM (mg/l)	SULFATE (mg/l)	URANIUM (mg/l)	WATER LEVEL (FEET)
Baseline	2740	98	20	506	1240	0.022	N/A
UCL	3288	118	24	607	1488	1.022	N/A
UCL Plus 20%	3946	142	29	728	1786	1.226	N/A
08/08/85	2325	88	18	528	1152	-.100	57.20
08/24/84	2400	91	19	424	1176	-.100	57.30
09/09/84	2400	86	17	344	1140	-.100	58.00
09/25/84	2547	82	16	400	1152	-.100	58.40
10/11/84	2547	84	19	385	1104	0.000	67.40
10/27/84	2355	82	16	398	1092	-.100	59.80
11/12/84	2775	79	17	376	1152	-.100	57.30
11/28/84	2775	84	18	393	1092	-.100	56.10
12/14/84	2300	80	18	417	1176	-.100	55.60
12/24/84	2250	82	18	393	1152	-.100	49.90
01/07/85	2375	86	18	327	1020	-.100	54.70
01/23/85	2400	84	17	381	1140	-.100	54.40
02/08/85	2350	84	18	363	1080	-.100	54.20
02/24/85	2400	79	17	390	1044	-.100	54.10

NOTE: "--" Before number means not detected at level indicated. Water level is the distance from top of well casing to the water surface. N/A means not applicable. Baseline means high baseline. UCL means upper control limit. "0" means unable to collect sample due to pump or other problems.

OGLE PETROLEUM INC.
BISON BASIN PROJECT
MONITOR WELL DATA

Monitor Well No. M-62(UPPER)

Mining Unit No. 1

SAMPLE DATE	CONDUCTIVITY (mmhos/cm)	CARBONATE PLUS BICARBONATE (mg/l)	CHLORIDE (mg/l)	SODIUM (mg/l)	SULFATE (mg/l)	URANIUM (mg/l)	WATER LEVEL (FEET)
Baseline	2740	98	20	506	1240	0.022	N/A
UCL	3288	118	24	607	1488	1.022	N/A
UCL Plus 20%	3946	142	29	728	1786	1.226	N/A
03/12/85	2350	82	18	361	1104	-.100	54.60
03/28/85	2200	85	15	433	1176	-.100	54.00
04/13/85	2300	82	19	445	1248	-.100	55.30
04/23/85	2300	82	18	440	1164	-.100	54.30
05/07/85	2300	85	17	435	1080	-.100	58.70
05/23/85	2250	82	18	420	960	-.100	58.40
06/08/85	2500	81	22	445	1188	-.100	58.10
06/24/85	2600	77	17	425	1152	-.100	58.90
07/09/85	2500	85	18	420	1068	-.100	64.10
07/26/85	2400	84	19	430	996	-.100	59.00

NOTE: "-" Before number means not detected at level indicated. Water level is the distance from top of well casing to the water surface. N/A means not applicable. Baseline means high baseline. UCL means upper control limit. "0" means unable to collect sample due to pump or other problems.

OGLE PETROLEUM INC.
BISON BASIN PROJECT
MONITOR WELL DATA

Monitor Well No. M-19 (LOWER)

Mining Unit No. 1

SAMPLE DATE	CONDUCTIVITY (mmhos/cm)	CARBONATE PLUS BICARBONATE (mg/l)	CHLORIDE (mg/l)	SODIUM (mg/l)	SULFATE (mg/l)	URANIUM (mg/l)	WATER LEVEL (FEET)
Baseline	1880	127	53	390	616	0.010	N/A
UCL	2256	152	64	468	739	1.010	N/A
UCL Plus 20%	2707	182	77	562	887	1.212	N/A
08/08/84	1700	118	46	235	648	-.100	116.30
08/24/84	1700	128	45	228	624	-.100	122.50
09/09/84	1700	125	43	172	648	-.100	126.30
09/25/84	1525	122	41	307	696	-.100	130.40
10/11/84	1625	124	42	301	672	0.000	133.40
10/27/84	1650	122	42	295	660	-.100	135.50
11/12/84	1650	115	41	303	660	-.100	129.40
11/28/84	1550	120	42	308	672	-.100	126.00
12/14/84	1600	117	44	305	648	-.100	124.30
12/24/84	1600	123	43	274	612	-.100	123.10
01/07/85	1625	128	45	264	564	-.100	121.40
01/23/85	1625	120	39	288	660	-.100	119.70
02/08/85	1625	123	43	284	624	-.100	118.50
02/24/85	1600	118	42	303	648	-.100	117.70

NOTE: "-" Before number means not detected at level indicated. Water level is the distance from top of well casing to the water surface. N/A means not applicable. Baseline means high baseline. UCL means upper control limit. "0" means unable to collect sample due to pump or other problems.

OGLE PETROLEUM INC.
BISON BASIN PROJECT
MONITOR WELL DATA

Monitor Well No. M-19 (LOWER)

Mining Unit No. 1

SAMPLE DATE	CONDUCTIVITY (mmhos/cm)	CARBONATE BICARBONATE (mg/l)	CHLORIDE (mg/l)	SODIUM (mg/l)	SULFATE (mg/l)	URANIUM (mg/l)	WATER LEVEL (FEET)
Baseline	1880	127	53	390	616	0.010	N/A
UCL	2256	152	64	468	739	1.010	N/A
UCL Plus 20%	2707	182	77	562	887	1.212	N/A
03/12/85	1575	117	42	286	648	-.100	116.80
03/28/85	1500	120	40	326	672	-.100	116.20
04/13/85	1600	118	43	316	660	-.100	115.80
04/23/85	1600	122	44	312	636	-.100	118.70
05/07/85	1625	118	43	312	612	-.100	125.10
05/23/85	1575	120	43	296	696	-.100	128.60
06/08/85	1700	122	43	308	624	-.100	129.60
06/24/85	1700	115	42	300	612	-.100	131.10
07/09/85	1750	122	45	304	552	-.100	131.90
07/26/85	1750	122	44	316	636	-.100	133.10

NOTE: "-" Before number means not detected at level indicated. Water level is the distance from top of well casing to the water surface. N/A means not applicable. Baseline means high baseline. UCL means upper control limit. "0" means unable to collect sample due to pump or other problems.

TABLE 23

Ogle Petroleum Inc.
Bison Basin Project

POND MONITOR WELL NO. M-71

SAMPLE DATE	CONDUCTIVITY umhos/cm	TOTAL CO ₃ + HCO ₃ mg/l	CHLORIDE mg/l	SODIUM mg/l	SULFATE mg/l	U ₃ O ₈ mg/l	WATER LEVEL	
09/16/82	1150	217	39	56	372	-0.1	57.8	
10/21/82	1150	223	40	65	360	-0.1	57.8	
02/11/83	1125	223	37	45	372	-0.1	57.9	
05/26/83	1000	215	37	63	402	-0.1	56.2	
08/08/83	1180	218	35	63	366	-0.1	52.3	
11/10/83	1150	218	32	70	372	-0.1	56.0	
03/09/84	1100	225	32	47	334	-0.1	57.8	
05/22/84	1050	170	45	28	432	-0.1	56.9	
07/23/84	1100	18	5	57	390	-0.1	56.7	
11/12/84	1175	194	58	60	450	-0.1	56.2	
02/08/85	1100	192	58	54	468	-0.1	57.4	
	Conductivity (mmhos/cm)	Carbonate Plus Bicarbonate (mg/l)	Chloride (mg/l)	Sodium (mg/l)	Sulfate (mg/l)	Uranium (mg/l)	Water Level (Feet)	
Baseline	1200	244	117	124	218	0.022	N/A	
UCL	1440	293	140	149	262	1.022	N/A	
UCL Plus 20%	1728	352	168	179	314	1.226	N/A	

NOTE: "-" before number means not detected at level indicated.

OGLE PETROLEUM INC.
BISON BASIN PROJECT
MONITOR WELL DATA

Monitor Well No. M-72

SAMPLE DATE	CONDUCTIVITY (mmhos/cm)	CARBONATE PLUS BICARBONATE (mg/l)	CHLORIDE (mg/l)	SODIUM (mg/l)	SULFATE (mg/l)	URANIUM (mg/l)	WATER LEVEL (FEET)
Baseline	6600	394	98	79	283	0.007	N/A
UCL	7920	473	118	95	340	1.007	N/A
UCL Plus 20%	9504	568	142	114	408	1.208	N/A
08/08/84	3800	18	112	65	135	-.100	50.4
08/24/84	3375	12	77	56	138	-.100	50.2
09/09/84	3950	15	90	58	90	-.100	50.5
09/25/84	4325	18	107	56	67	-.100	51.0
10/11/84	4125	18	107	55	68	0.000	51.1
10/27/84	3900	18	108	78	62	-.100	0.0
11/12/84	4000	18	112	55	71	-.100	50.0
11/28/84	4100	18	133	58	39	-.100	51.2
12/14/84	4250	24	133	59	37	-.100	51.3
12/24/84	4400	30	133	59	44	-.100	51.3
01/07/85	4600	30	133	45	25	-.100	51.4
01/23/85	4900	31	129	52	14	-.100	51.5
02/08/85	4200	30	129	58	35	-.100	51.4
02/24/85	4600	24	129	57	24	-.100	51.6

NOTE: "-" Before number means not detected at level indicated. Water level is the distance from top of well casing to the water surface. N/A means not applicable. Baseline means high baseline. UCL means upper control limit. "0" means unable to collect sample due to pump or other problems.

OGLE PETROLEUM INC.
BISON BASIN PROJECT
MONITOR WELL DATA

Monitor Well No. M-72

SAMPLE DATE	CONDUCTIVITY (mmhos/cm)	CARBONATE PLUS BICARBONATE (mg/l)	CHLORIDE (mg/l)	SODIUM (mg/l)	SULFATE (mg/l)	URANIUM (mg/l)	WATER LEVEL (FEET)
Baseline	6600	394	98	79	283	0.007	N/A
UCL	7920	473	118	95	340	1.007	N/A
UCL Plus 20%	9504	568	142	114	408	1.208	N/A
<hr/>							
03/12/85	4400	24	129	56	35	-.100	51.5
03/28/85	4600	24	129	75	19	-.100	51.6
04/13/85	4600	18	133	77	30	-.100	51.6
04/23/85	4600	23	129	67	25	-.100	51.6
05/07/85	4600	18	129	66	14	-.100	51.6
05/23/85	4400	24	129	68	48	-.100	51.7
06/08/85	4500	30	129	67	35	-.100	51.7
06/24/85	4450	30	133	65	33	-.100	51.8
07/09/85	4800	33	133	64	18	-.100	52.0
07/26/85	4300	36	116	66	102	-.100	51.9

NOTE: "-" Before number means not detected at level indicated. Water level is the distance from top of well casing to the water surface. N/A means not applicable. Baseline means high baseline. UCL means upper control limit. "0" means unable to collect sample due to pump or other problems.

Ogle Petroleum Inc.
Bison Basin Project

POND MONITOR WELL NO. M-73

SAMPLE DATE	CONDUCTIVITY umhos/cm	TOTAL CO ₃ + HCO ₃ mg/l	CHLORIDE mg/l	SODIUM mg/l	SULFATE mg/l	U ₃ O ₈ mg/l	WATER LEVEL	
09/16/82	1125	154	16	56	456	-0.1	57.7	
10/21/82	1150	159	16	65	414	-0.1	57.3	
02/11/83	1110	165	15	46	432	-0.1	57.3	
05/26/83	1025	161	21	70	462	-0.1	54.8	
08/08/83	1200	158	12	68	432	-0.1	55.1	
11/10/83	1150	170	10	75	426	-0.1	55.3	
03/09/84	1125	166	4	73	426	-0.1	56.1	
05/22/84	1250	117	7	61	426	-0.1	54.7	
07/23/84	1175	190	7	63	474	-0.1	54.8	
	Conductivity (umhos/cm)	Carbonate Plus Bicarbonate (mg/l)	Chloride (mg/l)	Sodium (mg/l)	Sulfate (mg/l)	Uranium (mg/l)	Water Level Feet	
Baseline	1590	122	55	111	590	0.519	N/A	
UCL	1908	146	66	133	708	1.519	N/A	
UCL Plus 20%	2290	175	79	160	850	1.823	N/A	

NOTE: "-" before number means not detected at level indicated.

Ogle Petroleum Inc.
Bison Basin Project

POND MONITOR WELL NO. M-73

SAMPLE DATE	CONDUCTIVITY umhos/cm	TOTAL CO ₃ + HCO ₃ mg/l	CHLORIDE mg/l	SODIUM mg/l	SULFATE mg/l	U ₃ O ₈ mg/l	WATER LEVEL	
11/12/84	1100	198	13	54	486	-0.1	55.1	
02/08/85	1100	229	2	43	450	-0.1	50.4	
04/13/85	1110	223	11	54	524	-0.1	53.3	
07/09/85	1175	217	12	49	450	-0.1	55.8	
Baseline	1590	122	55	111	590	0.519	N/A	
UCL	1908	146	66	133	708	1.519	N/A	
UCL Plus 20%	2290	175	79	160	850	1.823	N/A	

Ogle Petroleum Inc.
Bison Basin Project

POND MONITOR WELL NO. M-74

SAMPLE DATE	CONDUCTIVITY umhos/cm	TOTAL CO ₃ + HCO ₃ mg/l	CHLORIDE mg/l	SODIUM mg/l	SULFATE mg/l	U ₃ O ₈ mg/l	WATER LEVEL	
09/16/82	1150	235	8	58	408	-0.1	51.7	
10/21/82	1175	243	12	63	396	-0.1	51.8	
02/11/83	1110	228	11	46	405	-0.1	51.8	
05/26/83	975	221	11	61	432	-0.1	49.2	
08/08/83	1180	218	10	61	402	-0.1	49.5	
11/10/83	1175	218	9	70	420	-0.1	50.2	
03/09/84	1100	213	10	43	426	-0.1	50.7	
05/22/84	1100	213	10	46	414	-0.1	49.1	
	Conductivity (mmhos/cm)	Carbonate Plus Bicarbonate (mg/l)	Chloride (mg/l)	Sodium (mg/l)	Sulfate (mg/l)	Uranium (mg/l)	Water Level (Feet)	
Baseline	1380	234	28	80	528	0.022	N/A	
UCL	1656	281	34	96	634	1.022	N/A	
UCL Plus 20%	1987	337	41	115	761	1.226	N/A	

NOTE: "-" before number means not detected at level indicated.

Ogle Petroleum Inc.
Bison Basin Project

POND MONITOR WELL NO. M-74

SAMPLE DATE	CONDUCTIVITY umhos/cm	TOTAL $\text{CO}_3 + \text{HCO}_3$	CHLORIDE mg/l	SODIUM mg/l	SULFATE mg/l	U_3O_8 mg/l	WATER LEVEL	
07/23/84	1100	226	8	57	426	-0.1	41.9	
11/12/84	1025	228	8	55	468	-0.1	49.7	
02/08/85	1100	223	9	50	444	-0.1	50.0	
04/13/85	1100	216	9	57	492	-0.1	50.0	
07/09/85	1100	233	8	52	432	-0.1	50.4	
	Conductivity (umhos/cm)	Carbonate Plus Bicarbonate (mg/l)	Chloride (mg/l)	Sodium (mg/l)	Sulfate (mg/l)	Uranium (mg/l)	Water Level (Feet)	
Baseline	1380	234	28	80	528	0.022	N/A	
UCL	1656	281	34	96	634	1.022	N/A	
UCL Plus 20%	1987	337	41	115	761	1.226	N/A	

NOTE: "-" before number means not detected at level indicated.

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Ogle Petroleum Inc.
Bison Basin Project

POND MONITOR WELL NO. M-75

SAMPLE DATE	CONDUCTIVITY umhos/cm	TOTAL CO ₃ + HCO ₃ mg/l	CHLORIDE mg/l	SODIUM mg/l	SULFATE mg/l	U ₃ O ₈ mg/l	WATER LEVEL	
09/16/82	975	58	25	56	324	-0.1	45.7	
10/21/82	975	0	28	61	306	-0.1	46.0	
02/11/83	1000	0	39	49	330	-0.1	46.2	
05/26/83	1500	0	51	73	246	-0.1	48.5	
08/08/83	1980	0	68	73	171	-0.1	43.9	
11/10/83	1975	0	68	78	198	-0.1	44.7	
03/09/84	1850	32	55	52	240	-0.1	45.0	
	Conductivity (umhos/cm)	Carbonate Plus Bicarbonate (mg/l)	Chloride (mg/l)	Sodium (mg/l)	Sulfate (mg/l)	Uranium (mg/l)	Water Level (Feet)	
Baseline	2360	53	68	189	427	0.061	N/A	
UCL	2832	64	82	227	512	1.061	N/A	
UCL Plus 20%	3398	77	98	272	614	1.273	N/A	

NOTE: "-" before number means not detected at level indicated.

Ogle Petroleum Inc.
Bison Basin Project

POND MONITOR WELL NO. M-75

SAMPLE DATE	CONDUCTIVITY umhos/cm	TOTAL CO ₃ + HCO ₃	CHLORIDE mg/l	SODIUM mg/l	SULFATE mg/l	U ₃ O ₈ mg/l	WATER LEVEL	
05/22/84	1350	162	55	51	294	-0.1	43.4	
07/23/84	1700	12	66	65	228	-0.1	43.4	
11/12/84	1175	12	64	58	239	-0.1	44.0	
02/08/85	1350	12	47	54	243	-0.1	44.1	
04/13/85	1140	12	52	68	288	-0.1	44.4	
07/09/85	1175	11	52	60	276	-0.1	44.6	
	Conductivity (umhos/cm)	Carbonate Plus Bicarbonate (mg/l)	Chloride (mg/l)	Sodium (mg/l)	Sulfate (mg/l)	Uranium (mg/l)	Water Level (Feet)	
Baseline	2360	53	68	189	427	0.061	N/A	
UCL	2832	64	82	227	512	1.061	N/A	
UCL Plus 20%	3398	77	98	272	614	1.273	N/A	

NOTE: "-" before number means not detected at level indicated.

TABLE 28

Ogle Petroleum Inc.
Bison Basin Project

POND MONITOR WELL NO. M-7

SAMPLE DATE	CONDUCTIVITY umhos/cm	TOTAL CO ₃ + HCO ₃ mg/l	CHLORIDE mg/l	SODIUM mg/l	SULFATE mg/l	U ₃ O ₈ mg/l	WATER LEVEL	
09/16/82	1125	196	8	46	444	-0.1	53.5	
10/12/82	1170	195	13	62	618	0.05	53.4	
10/21/82	1150	197	8	51	450	-0.1	53.7	
10/26/82	1150	194	9	48	474	-0.1	53.7	
11/05/82	1125	197	8	46	480	-0.1	53.3	
02/11/83	1260	195	10	43	504	-0.1	53.8	
05/26/83	950	167	11	56	462	-0.1	51.0	
08/08/83	1200	192	9	48	420	-0.1	51.7	
11/10/83	1100	174	9	41	654	-0.1	52.1	
03/09/84	1050	177	8	33	414	-0.1	52.6	
	Conductivity (mmhos/cm)	Carbonate Plus Bicarbonate (mg/l)	Chloride (mg/l)	Sodium (mg/l)	Sulfate (mg/l)	Uranium (mg/l)	Water Level (Feet)	
Baseline	1060	220	16	67	520	0.006	N/A	
UCL	1272	264	19	80	624	1.006	N/A	
UCL Plus 20%	1526	317	23	96	749	1.207	N/A	

NOTE: "-" before number means not detected at level indicated.

Ogle Petroleum Inc.
Bison Basin Project

POND MONITOR WELL NO. M-7

SAMPLE DATE	CONDUCTIVITY umhos/cm	TOTAL CO ₃ + HCO ₃	CHLORIDE mg/l	SODIUM mg/l	SULFATE mg/l	U ₃ O ₈ mg/l	WATER LEVEL	
05/22/84	1000	148	10	36	408	-0.1	50.8	
07/23/84	1075	173	9	46	456	-0.1	51.0	
11/12/84	975	175	8	47	456	-0.1	51.4	
02/08/85	1050	196	7	38	420	-0.1	51.7	
04/13/85	1010	193	11	46	474	-0.1	51.9	
07/09/85	1000	191	9	42	432	-0.1	52.1	
	Conductivity (mmhos/cm)	Carbonate Plus Bicarbonate (mg/l)	Chloride (mg/l)	Sodium (mg/l)	Sulfate (mg/l)	Uranium (mg/l)	Water Level (Feet)	
Baseline	1060	220	16	67	520	0.006	N/A	
UCL	1272	264	19	80	624	1.006	N/A	
UCL Plus 20%	1526	317	23	96	749	1.207	N/A	

NOTE: "-" before number means not detected at level indicated.

TABLE 29
Evaporation Ponds
Plant Effluent Quality Data

Page 1 of 2

PARAMETER	SAMPLE COLLECTED 11/25/81	SAMPLE COLLECTED 02/18/82	SAMPLE COLLECTED 03/30/82	SAMPLE COLLECTED 05/20/82	SAMPLE COLLECTED 09/17/82	SAMPLE COLLECTED 11/08/82	SAMPLE COLLECTED 02/01/83	SAMPLE COLLECTED 06/09/83
Turbidity (JTU's)	--	--	--	--	--	--	--	--
Dissolved Oxygen	--	--	--	--	--	--	--	--
pH (pH units)	--	--	8.32	8.64	9.29	9.15	8.95	9.10
Total Dissolved Solids	--	--	11,564	13,327	25,560	26,454	40,779	20,819
Conductivity (mhos/cm)	20,400	14,980	17,100	19,800	31,000	33,000	44,500	25,500
Ammonia (as N)	--	--	0.12	-0.05	-0.05	0.13	-0.05	0.06
Nitrate (as N)	--	--	78	14.32	61.38	14.39	19.93	16.43
Nitrite (as N)	--	--	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Carbonate	0	0	19	72	374	336	540	456
Bicarbonate	1829	1932	1215	1086	1,137	1,196	2,050	1,086
Calcium	--	--	99	48	93	25	16	9
Chloride	5450	3416	4119	4880	8,744	9,582	15,352	7,310
Boron	--	--	-0.1	0.5	-0.1	-0.1	0.88	-0.1
Fluoride	--	--	0.47	0.46	0.66	0.88	1.07	1.12
Magnesium	--	--	38	48	22	87	107	66
Potassium	--	--	32	38	58	57	90	50
Sodium	6028	3240	3,858	4,476	9,959	9,727	15,653	7,853
Sulfate	4100	2780	2,800	3,230	5,750	6,050	8,550	4,540
Aluminum	--	--	-0.05	-0.05	0.07	-0.05	-0.05	-0.05
Arsenic	--	--	0.080	0.090	0.23	0.180	0.25	0.135
Barium	--	--	-0.02	-0.02	0.07	0.07	-0.02	-0.02
Cadmium	--	--	0.034	0.042	0.65	0.110	0.289	0.078
Chromium	--	--	0.03	0.02	0.05	0.05	0.05	0.04
Copper	--	--	0.03	0.03	0.04	0.05	0.07	0.03
Iron	--	--	0.30	0.15	0.19	0.24	0.35	0.13
Lead	--	--	0.16	0.21	0.41	0.42	0.56	0.22
Manganese	--	--	0.02	0.02	0.03	0.06	0.11	0.05
Mercury	--	--	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
Nickel	--	--	0.14	0.17	0.22	0.39	0.66	0.22
Selenium	--	--	0.300	0.550	1.45	0.9	1.05	1.05
Zinc	--	--	0.009	0.017	-0.05	-0.005	0.051	0.033
Molybdenum	--	--	-0.05	-0.05	0.09	-0.05	0.18	0.10
Vanadium	--	--	-0.05	-0.05	0.07	-0.05	0.22	0.10
Uranium	61.5	47.15	52.70	77.88	94.702	90.417	138.103	62.50
Radium 226 (pCi/l)	--	--	217 ± 2	181 ± 2	112 ± 2	90.5 ± 2	0.191 ± 1.68	92.9 ± 2.6
Thorium 230 (pCi/l)	--	--	12.0 ± 0.07	10.3 ± 0.7	16.65 ± 0.5	24.9 ± 0.39	6.92 ± 1.81	1.37 ± 0.27

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NOTES: All values in ng/l except as otherwise noted.

-- Means not detected at levels indicated.

TABLE 29
Evaporation Ponds
Plant Effluent Quality Data

Page 2 of 2

PARAMETER	SAMPLE COLLECTED 09/22/83	SAMPLE COLLECTED 11/30/83	SAMPLE * COLLECTED 06/04/84	SAMPLE COLLECTED 09/09/84	SAMPLE COLLECTED 11/19/84	SAMPLE * COLLECTED 06/24/85		
Turbidity (JTU's)	--	--	--	--	--	--		
Dissolved Oxygen	--	--	--	--	--	--		
pH (pH units)	9.35	9.48	8.02	9.27	9.10	9.08		
Total Dissolved Solids	36,532	24,414	27,563	51,448	38,012	32,849		
Conductivity (mhos/cm)	39,600	27,800	34,900	48,900	44,500	38,100		
Ammonia (as N)	0.10	-0.05	0.08	0.09	0.24	0.16		
Nitrate (as N)	20.18	15.16	31.54	0.12	-0.05	-0.05		
Nitrite (as N)	-0.01	-0.1	-0.01	--	-0.01	-0.01		
Carbonate	732	360	624	972	744	682		
Bicarbonate	2,306	2,318	1,519	2,544	2,403	2,624		
Calcium	41	54	21	20	23	76		
Chloride	12,870	8,501	9,621	16,626	13,260	10,252		
Boron	0.7	0.4	1.1	1.4	1.3	1.9		
Fluoride	2.96	0.73	2.37	3.34	4.12	0.17		
Magnesium	100	42	87	147	98	873		
Potassium	74	43	57	77	86	710		
Sodium	13,838	9,833	9,624	20,902	12,166	11,547		
Sulfate	7,740	5,040	6,780	11,450	10,450	8,840		
Aluminum	-0.05	-0.05	-0.05	0.12	-0.05	-0.05		
Arsenic	0.15	-0.002	0.135	0.4	0.65	0.035		
Barium	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02		
Cadmium	0.163	0.067	0.145	0.197	0.062	0.153		
Chromium	0.07	0.04	0.06	0.06	0.07	0.10		
Copper	0.06	0.34	0.06	0.09	0.07	0.07		
Iron	0.39	0.19	0.19	0.56	0.27	0.30		
Lead	0.51	-0.05	0.31	0.70	0.29	0.45		
Manganese	0.10	0.04	0.05	0.11	0.09	0.08		
Mercury	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001		
Nickel	0.57	0.26	0.38	0.92	0.51	0.52		
Selenium	1.00	0.95	0.6	0.145	0.130	0.12		
Zinc	0.036	0.036	0.037	0.107	0.069	0.393		
Molybdenum	0.12	0.13	-0.05	0.11	0.17	-0.05		
Vanadium	0.21	0.20	0.09	-0.05	0.10	-0.05		
Uranium	128.009	106.331	95.232	301.471	142.222	152.017		
Radium 226 (pCi/l)	$1.65 \pm 0.03 \times 10^{-4}$	$7.19 \pm 0.19 \times 10^{-8}$	$7.11 \pm 0.17 \times 10^{-1}$	$1.08 \pm 0.03 \times 10^{-7}$	$2.28 \pm 0.03 \times 10^{-3}$	101 ± 6		
Thorium 230 (pCi/l)	$4.22 \pm 0.62 \times 10^{-1}$	$7.71 \pm 0.96 \times 10^{-9}$	$4.16 \pm 7.3 \times 10^{-1}$	$6.72 \pm 5.89 \times 10^{-10}$	$6.81 \pm 4.46 \times 10^{-1}$	1.6 ± 0.8		

NOTES: All values in mcl/l except as otherwise noted.

-- Means not detected at levels indicated.

*No sample collected first quarter of year because ponds frozen solid

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TABLE 30
West Alkali Creek (Upper)
Water Quality Data

PARAMETER	SAMPLE COLLECTED 05/18/79	SAMPLE COLLECTED 04/30/80	SAMPLE COLLECTED 05/07/80	SAMPLE COLLECTED 03/30/81	SAMPLE COLLECTED 03/11/82	SAMPLE COLLECTED 04/28/83	SAMPLE COLLECTED 05/15/84	SAMPLE COLLECTED 05/02/85
Turbidity (JTU's)	--	20	12	31	--	--	--	--
Dissolved Oxygen	--	7.0	8.5	6.6	--	--	--	--
pH (pH units)	9.5	8.5	8.8	8.6	8.42	8.65	9.17	9.00
Total Dissolved Solids	640	890	1106	750	370	929	964	1423
Conductivity (mhos/cm)	900	1250	1550	970	555	1450	1410	1710
Ammonia (as N)	-0.1	0.11	-0.1	-0.1	0.09	-0.05	-0.05	-0.05
Nitrate (as N)	2.4	6.06	1.8	0.01	4.39	2.26	1.57	-0.05
Nitrite (as N)	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Carbonate	168	14	48	36	10	43	53	82
Bicarbonate	110	490	616	463	303	595	586	790
Calcium	13	14	14	19	17	28	17	26
Chloride	58	89	104	66	26	89	87	111
Boron	-1.0	-1.0	-1.0	-1.0	0.3	0.6	0.7	0.2
Fluoride	0.71	0.66	0.93	0.38	0.53	0.79	1.00	0.85
Magnesium	2	2	13	10	0.02	10	12	14
Potassium	18	25	38	17	15	33	35	51
Sodium	198	277	360	231	113	318	297	427
Sulfate	60	144	176	86	35	115	175	323
Aluminum	1.50	1.1	0.46	1.1	0.63	0.63	0.41	0.10
Arsenic	0.04	0.04	0.072	0.03	0.04	0.083	0.120	0.085
Barium	-0.05	-0.05	-0.05	0.05	-0.02	-0.02	-0.02	-0.02
Cadmium	-0.01	-0.01	-0.01	-0.01	-0.005	-0.005	-0.005	-0.005
Chromium	-0.01	-0.02	-0.02	-0.05	-0.01	-0.01	-0.01	-0.01
Copper	0.14	0.03	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01
Iron	1.90	1.11	0.3	0.86	1.11	0.75	0.28	-0.05
Lead	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
Manganese	0.11	0.06	0.01	0.02	0.02	0.04	-0.01	-0.01
Mercury	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.01
Nickel	-0.05	-0.04	-0.04	-0.04	-0.01	0.13	-0.01	0.013
Selenium	-0.05	-0.01	-0.01	-0.01	-0.002	-0.002	-0.01	0.02
Zinc	-0.05	-0.01	-0.01	0.01	0.016	0.012	-0.002	-0.002
Molybdenum	-0.05	-0.05	-0.05	-0.1	-0.05	-0.05	-0.05	-0.05
Vanadium	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
Uranium	0.030	0.044	0.043	0.023	0.045	0.034	0.025	0.044
Radium 226 (pCi/l)	1.35 ± 0.58	0.76 ± 0.50	0.61 ± 0.24	0 ± 0.4	0.43 ± 0.21	0.10 ± 0.17	1.6 ± 1.22 × 10 ⁻¹	32.4 ± 7.7
Thorium 230 (pCi/l)	10 ± 8.6	22 ± 6.1	3.78 ± 2.07	1.1 ± 0.6	0.08 ± 0.07	0.24 ± 0.17	4.73 ± 1.37 × 10 ⁻¹	40.6

NOTES: All values in mg/l except as otherwise noted. -- Means not detected at levels indicated.

TABLE 31
West Alkali Creek (Lower)
Water Quality Data

PARAMETER	SAMPLE COLLECTED 05/18/79	SAMPLE COLLECTED 04/30/80	SAMPLE COLLECTED 05/07/81	SAMPLE COLLECTED 03/30/81	SAMPLE COLLECTED 03/11/82	SAMPLE COLLECTED 04/28/83	SAMPLE COLLECTED 05/15/84	SAMPLE COLLECTED 05/02/85
Turbidity (JTU's)	--	38	34	34	--	--	--	--
Dissolved Oxygen	--	6.9	6.6	6.2	--	--	--	--
pH (pH units)	9.3	8.5	9.0	8.5	8.47	8.51	9.22	9.01
Total Dissolved Solids	724	836	1178	656	410	1041	861	1443
Conductivity (mhos/cm)	1165	1150	1650	850	630	1560	1300	1760
Ammonia (as N)	-0.10	-0.10	-0.10	-0.10	0.10	-0.05	-0.05	-0.05
Nitrate (as N)	3.0	0.06	1.6	-0.01	4.75	2.41	1.59	-0.05
Nitrite (as N)	-0.01	-0.01	-0.01	-0.01	-0.01	-0.10	-0.01	-0.01
Bicarbonate	156	14	66	21	10	24	24	72
Calcium	268	449	573	415	322	683	595	777
Chloride	14	18	14	19	20	28	23	28
Boron	90	79	110	49	30	96	78	113
Fluoride	-1.0	-1.0	-1.0	-1.0	-0.1	0.6	0.6	0.6
Magnesium	0.81	0.62	0.96	0.51	0.53	0.81	1.08	0.86
Potassium	6	8	13	10	0.02	15	9	15
Sodium	25	23	39	15	16	35	33	47
Sulfate	288	252	382	198	133	356	251	444
Aluminum	90	156	207	79	41	150	142	341
Arsenic	2.15	0.8	0.60	1.0	0.63	0.67	0.43	0.11
Barium	0.06	0.04	0.08	0.03	0.04	0.090	0.140	0.080
Cadmium	-0.05	-0.05	-0.05	-0.05	-0.02	-0.02	-0.02	-0.02
Chromium	0.002	-0.01	-0.01	-0.01	-0.005	-0.005	-0.005	-0.005
Copper	0.01	-0.01	-0.02	-0.05	-0.01	-0.01	-0.01	-0.01
Iron	0.01	0.01	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01
Lead	-0.05	-0.05	0.05	0.89	1.09	0.45	0.30	-0.05
Manganese	0.37	0.05	0.04	-0.05	-0.05	-0.05	-0.05	-0.05
Mercury	-0.001	-0.001	0.001	0.02	0.02	0.03	-0.01	-0.01
Nickel	-0.04	-0.04	0.04	-0.001	-0.001	-0.001	-0.001	0.014
Selenium	-0.01	-0.01	0.01	-0.04	-0.01	-0.01	-0.01	0.02
Zinc	0.17	0.10	-0.01	-0.01	0.017	-0.002	-0.002	-0.002
Molybdenum	-0.05	-0.05	-0.05	-0.05	0.026	0.026	-0.005	0.012
Vanadium	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
Uranium	0.038	0.042	0.045	0.026	0.017	0.033	-0.05	-0.05
Radium 226 (pCi/l)	0.06 ± 0.23	0.60 ± 0.33	0.51 ± 0.18	1.3 ± 0.5	0.30 ± 0.16	-0.21 ± .17	8.3 ± 2.68x10 ⁻¹	18.2 ± 7.8
Thorium 230 (pCi/l)	0 ± 4.7	5.9 ± 2.6	6.2 ± 2.6	0.4 ± 0.9	0.22 ± 0.08	-0.19 ± .33	6.05x10 ⁻¹	4.06

NOTE: -- Means not detected as otherwise noted.

-- Means not detected at levels indicated.

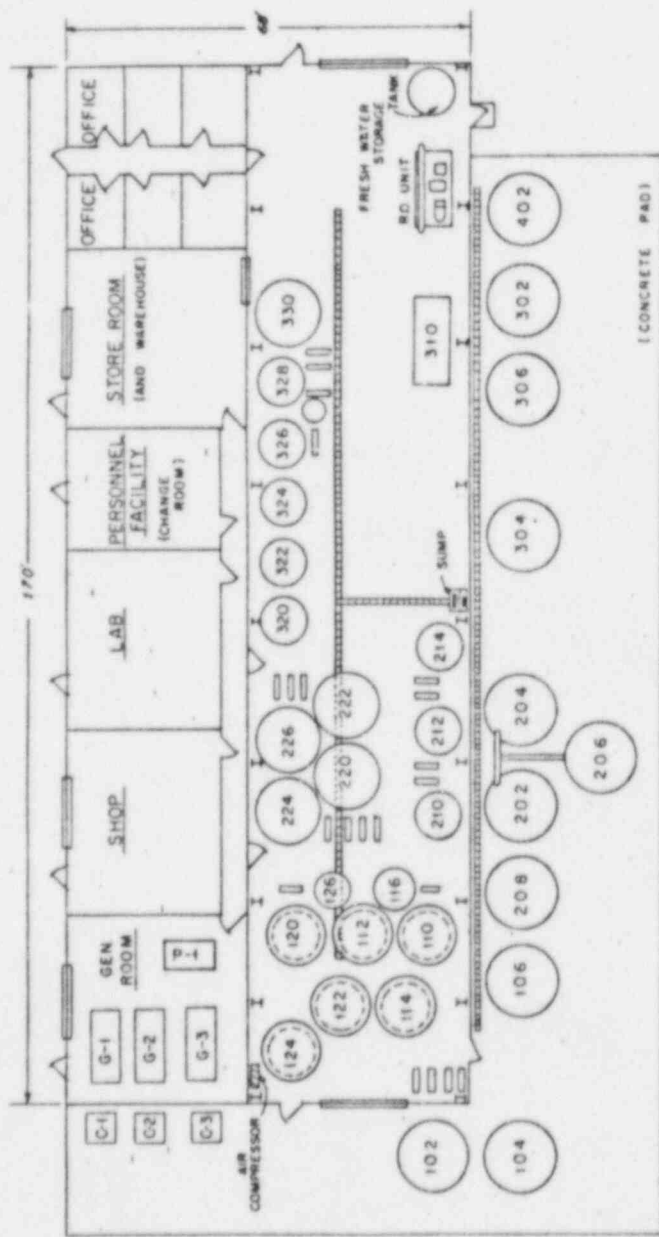
TABLE 3
Grassy Lake
Water Quality Data

PARAMETER	SAMPLE COLLECTED 04/13/80	SAMPLE COLLECTED 05/07/80	1981	1982	SAMPLE COLLECTED 04/28/83	SAMPLE COLLECTED 05/15/84	1985	
Turbidity (JTU s)	180	3.6			N.A.	N.A.		
Total Dissolved Solids	228	198	No Sample	No Sample	162	232	No Sample	
pH (pn units)	7.7	7.6	Collected	Collected	7.51	7.96	Collected	
Conductivity (mhos/cm)	345	300			265	340		
Ammonia (as N)	-0.10	-0.10	Lake Dry	Lake Dry	-0.05	-0.05	Lake Dry	
Nitrate (as N)	-0.01	0.5	All	All	0.40	0.54	All	
Nitrite (as N)	-0.01	-0.01	Year	Year	-0.10	-0.01	Year	
Carbonate	0	0			0	0		
Bicarbonate	81	63			73	142		
Calcium	36	31			31	48		
Chloride	6	4			2	3		
Boron	-1.0	-1.0			-0.10	0.4		
Fluoride	0.06	0.06			0.10	0.11		
Magnesium	10	9			5	9		
Potassium	7	8			8	12		
Sodium	17	16			11	14		
Sulfate	101	105			68	67		
Aluminum	0.8	0.10			0.63	0.29		
Arsenic	-0.01	-0.01			0.003	0.005		
Barium	-0.05	-0.05			-0.02	-0.02		
Cadmium	-0.01	-0.01			-0.005	-0.005		
Chromium	-0.02	-0.02			-0.01	-0.01		
Copper	0.02	0.02			-0.01	-0.01		
Iron	0.64	0.2			0.43	0.13		
Lead	-0.05	-0.05			-0.05	-0.05		
Manganese	0.09	0.01			-0.01	-0.01		
Mercury	-0.001	-0.001			-0.001	-0.001		
Nickel	-0.04	-0.04			-0.01	-0.01		
Selenium	-0.01	-0.01			-0.002	-0.002		
Zinc	-0.01	-0.01			0.012	0.015		
Molybdenum	-0.05	-0.05			-0.05	-0.05		
Vanadium	-0.05	-0.05			-0.05	-0.05		
Uranium	0.011	-0.001			-0.005	-0.005		
Radium 226 (pCi/l)	2.1 ± 0.58	0.40 ± 0.14			.38 ± .21	2.32 ± 2.06x10 ⁻¹		
Thorium 230 (pCi/l)	15.5 ± 4.3	4.72 ± 1.65			.30 ± .20	4.31 ± 1.86x10 ⁻¹		

Notes: All values in mg/l except as otherwise noted.

— Means not detected at levels indicated.

N.A. Means data not available.



- 102 } PRODUCTION SURGE TANKS
104 }
106 } ACID TANK (SULPHURIC)
110 }
112 }
114 } ION-EXCHANGE COLUMNS
120 }
122 }
124 }
118 } ELUANT TRANSFER TANKS
126 }
- 202 } INJECTION SURGE & MAKE-UP TANKS
204 }
208 } SODA ASH STORAGE SILO
210 }
212 } SAND FILTERS
214 }
220 } ELUTION TANKS
222 }
224 }
226 }
- 302 } PRODUCT STORAGE TANKS (SEE BOTTOM)
304 }
306 }
310 } PRODUCT FILTER PRESS
320 }
322 } PRECIPITATION TANKS
324 }
326 }
328 }
- 330 } CAUSTIC STORAGE TANK
402 } ACID TANK (HYDROCHLORIC)
- P-1 POWER DISTRIBUTION, GENERATOR CONTROL AND PARALLING PANEL. (WIRED FOR ALL 3 GENERATORS.)
G-1 CAT 350 KW GENERATOR SETS, NATURAL GAS FIRED. (G-1, G-2 INSTALLED, PAD ONLY FOR G-3.)
G-2 }
G-3 }
C-1 COOLING FANS FOR GENERATORS (C-1, C-2, C-3) INSTALLED, PAD ONLY FOR C-3.)
C-2 }
C-3 }
PUMP

BISON BASIN PROJECT OPI-WESTERN JOINT VENTURE

COMMERCIAL PLANT GENERAL ARRANGEMENT

DATE: MAY, 1984

FIGURE 1

M-16

M-15

M-8

P-22
M-3(U)

M-17(U)

M-4

M-63(L)

A-A

M-14

M-13

RSW-2
M-62(U)

M-9

OREBODY OUTLINE
MINING UNIT NO. 1

M-10

M-11

M-12

M-18(U)

RSW-3

M-61(U)

M-19(L)

A-B

LEGEND

Horizontal Excursion Monitor Wells:

- M-8 M-11 M-14
- M-9 M-12 M-15
- M-10 M-13 M-16

Upper Aquifer Vertical Excursion Monitor Wells:

- M-3(U) M-18(U) M-62(U)
- M-17(U) M-61(U)

Lower Sands Vertical Excursion Monitor Wells:

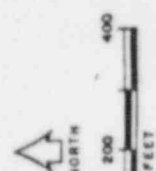
- M-19(L) M-63(L)

Restoration Sampling Wells:

- P-22 RSW-2
- M-4 RSW-3

Additional Wells Completed in Production Zone as
Observation Wells for Pump Tests (No Water Quality
Baselining Required):

- A-A A-B



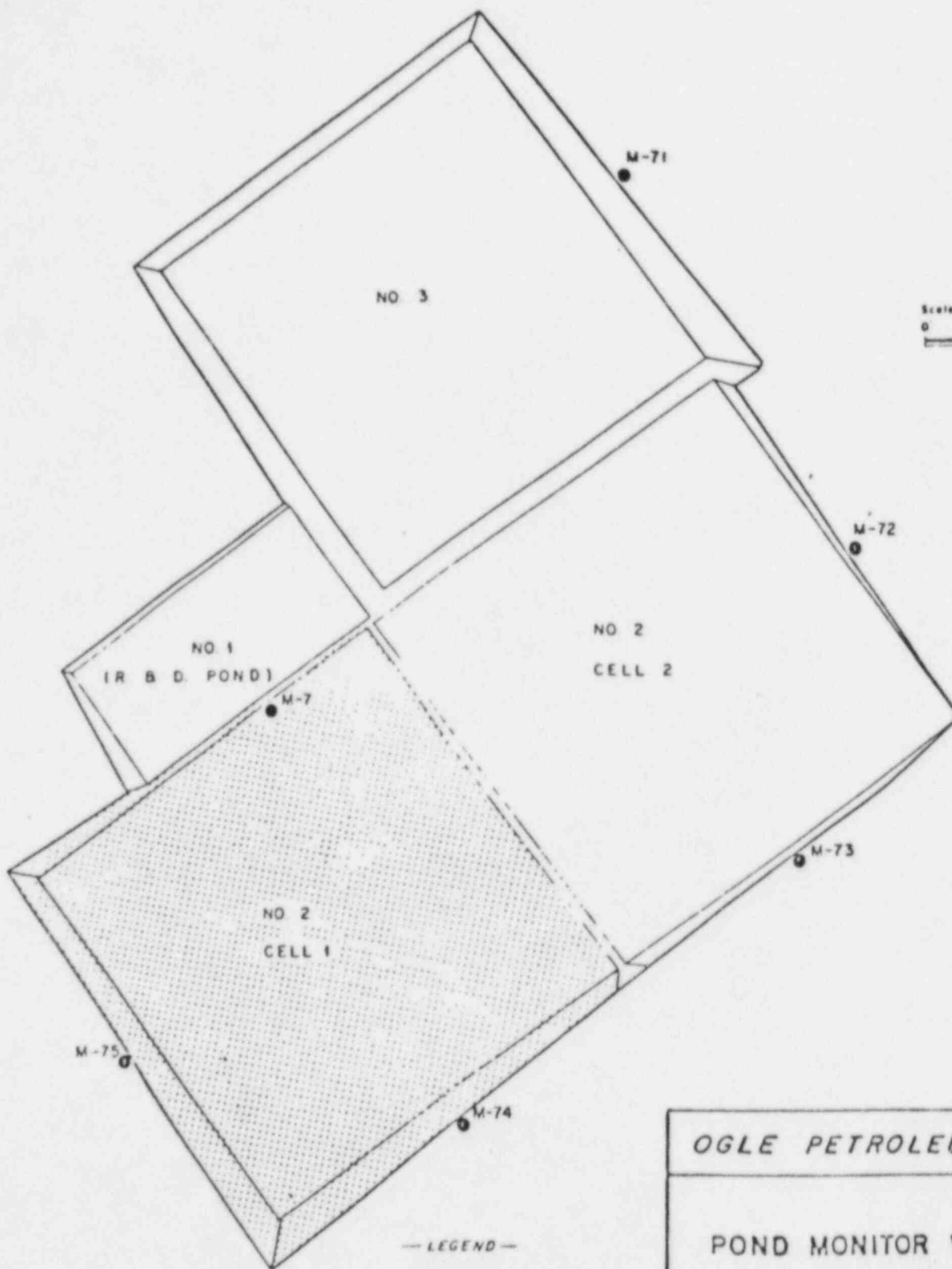
OGLE PETROLEUM INC.

BISON BASIN PROJECT
BISON BASIN MINE

MONITOR WELL LOCATIONS
MINING UNIT NO. 1

DATE: 10/10/80

FIGURE: 3



OGLE PETROLEUM INC.

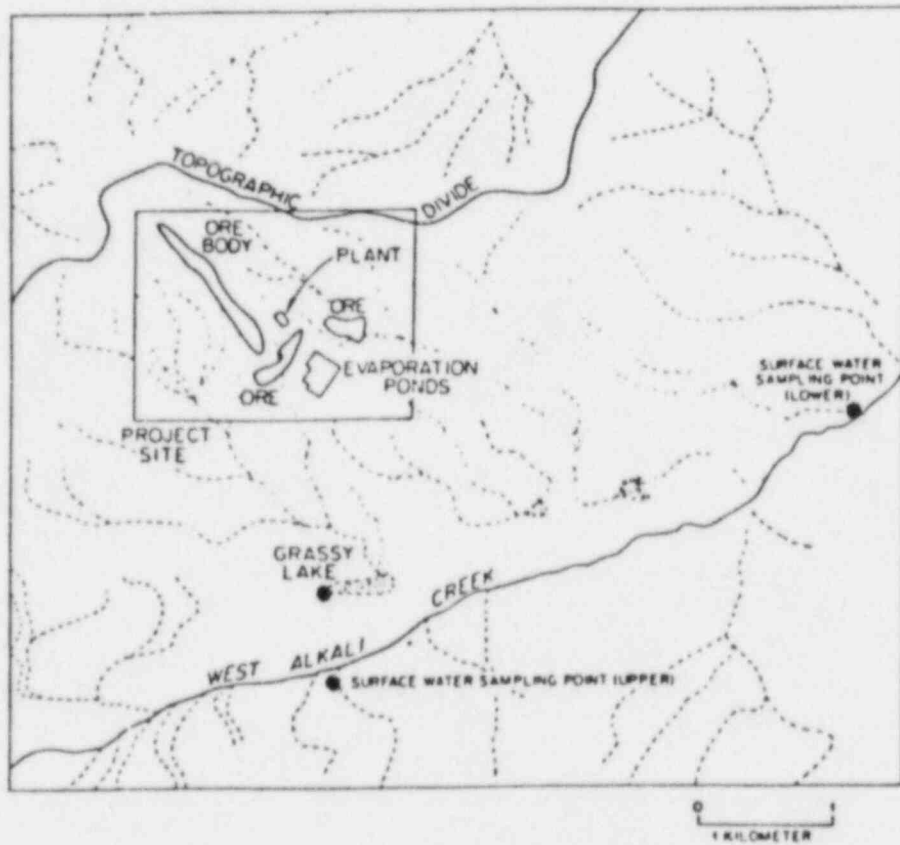
POND MONITOR WELLS

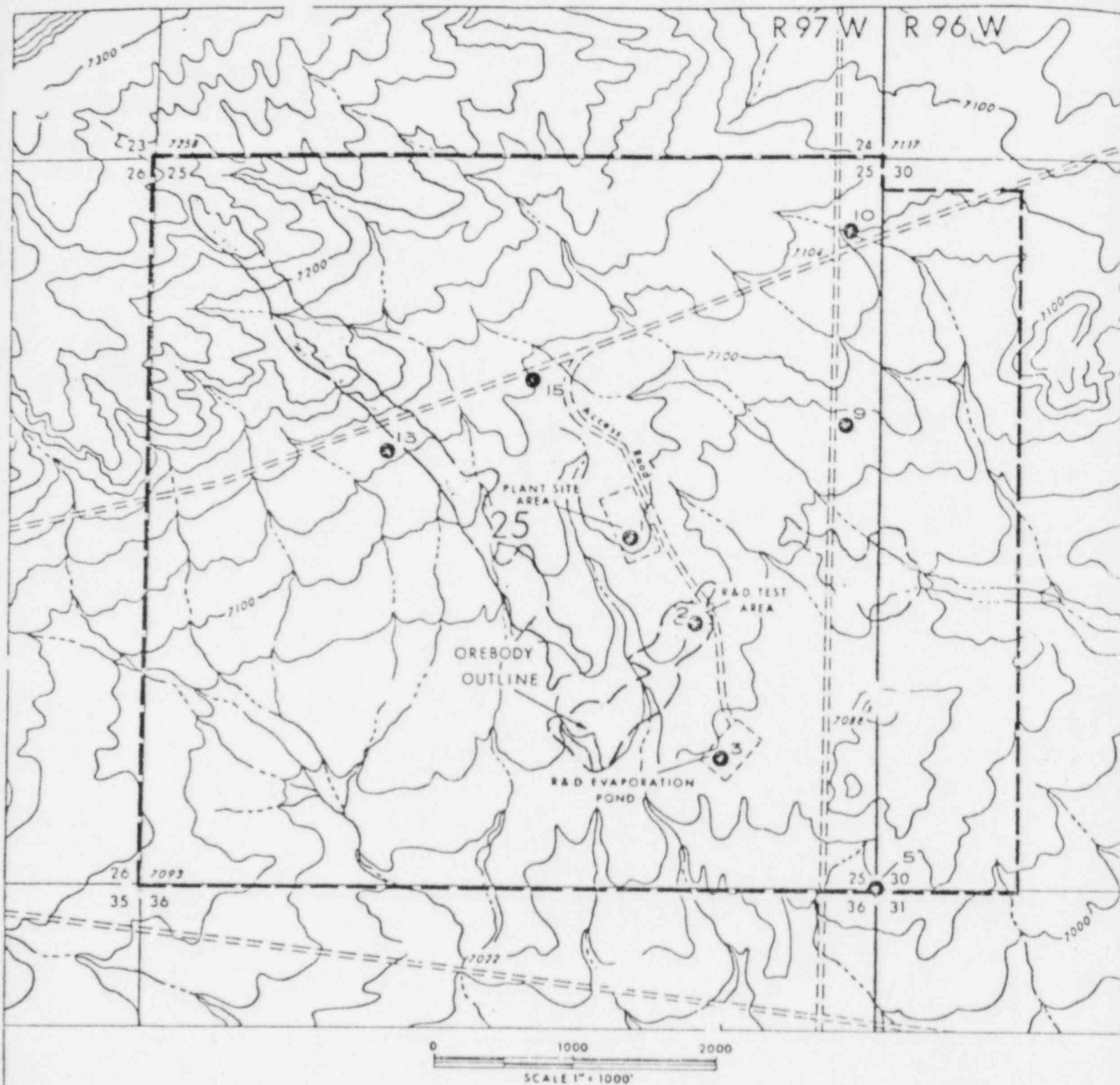
LOCATION MAP

Figure 4

Figure 5

Sediment and Surface Water
Sampling Points





EXPLANATION

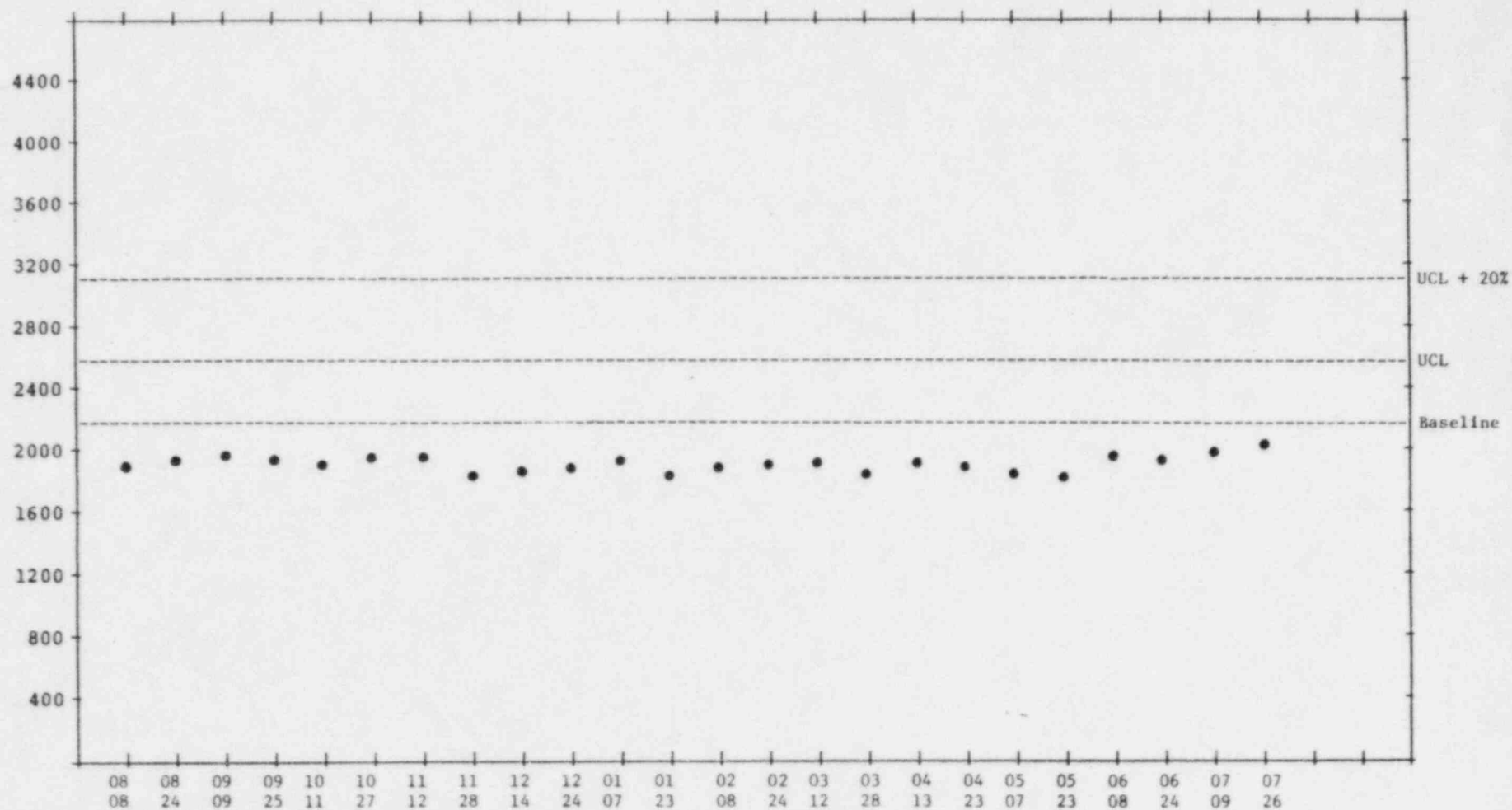
--- Permit Area Boundary

OGLE PETROLEUM INC.

BISON BASIN PROJECT
BISON BASIN MINE

SAMPLING AND
DOSIMETER LOCATIONS

Figure 6

FIGURE NO. 7SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)PAGE 1 OF 1

MONITOR WELL NO. M-8

OGLE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: CARBONATE PLUS BICARBONATE

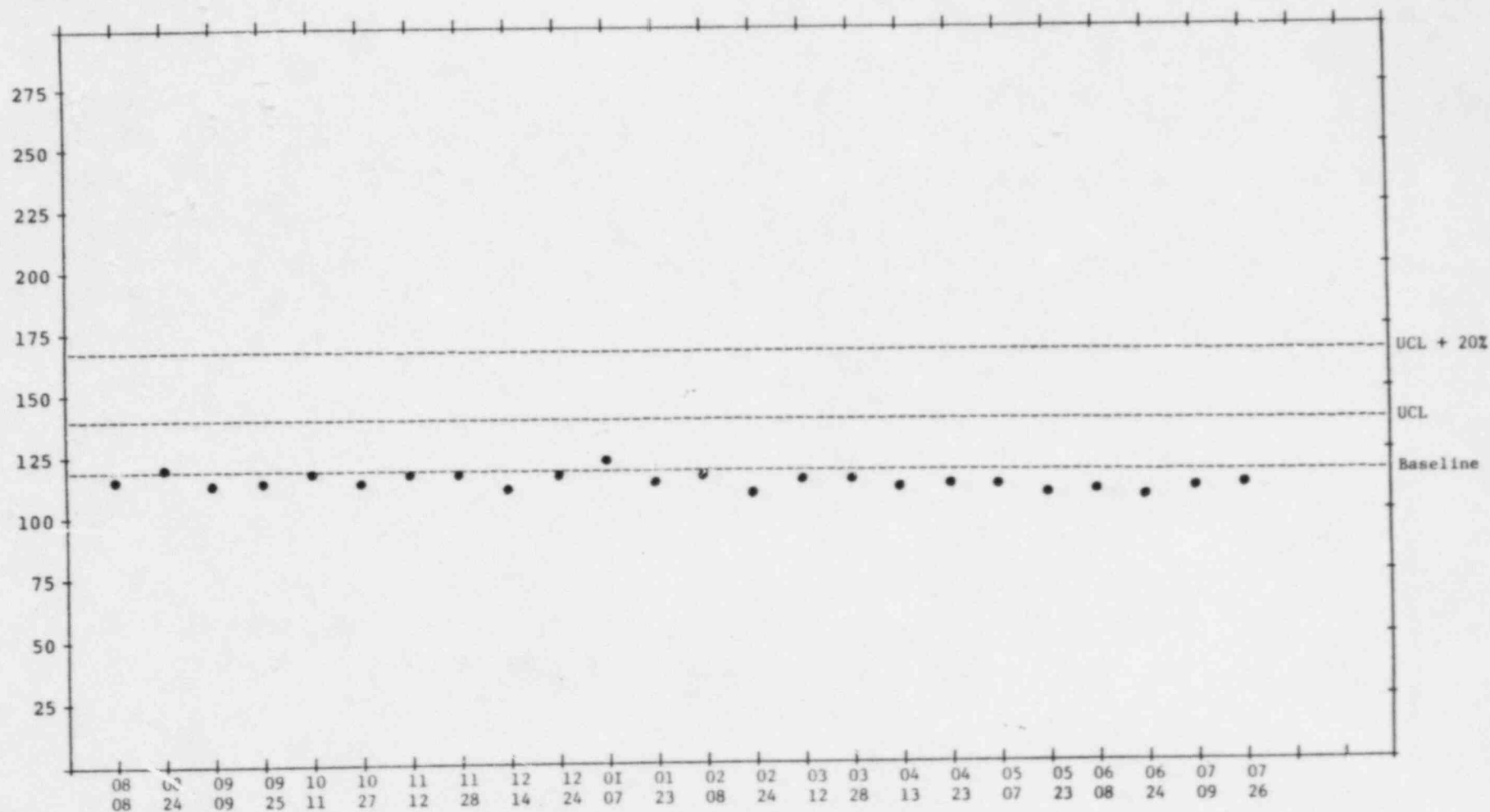


FIGURE NO. 8

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

PAGE 1 OF 1

MONITOR WELL NO. M-8

OGLE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: CHLORIDE

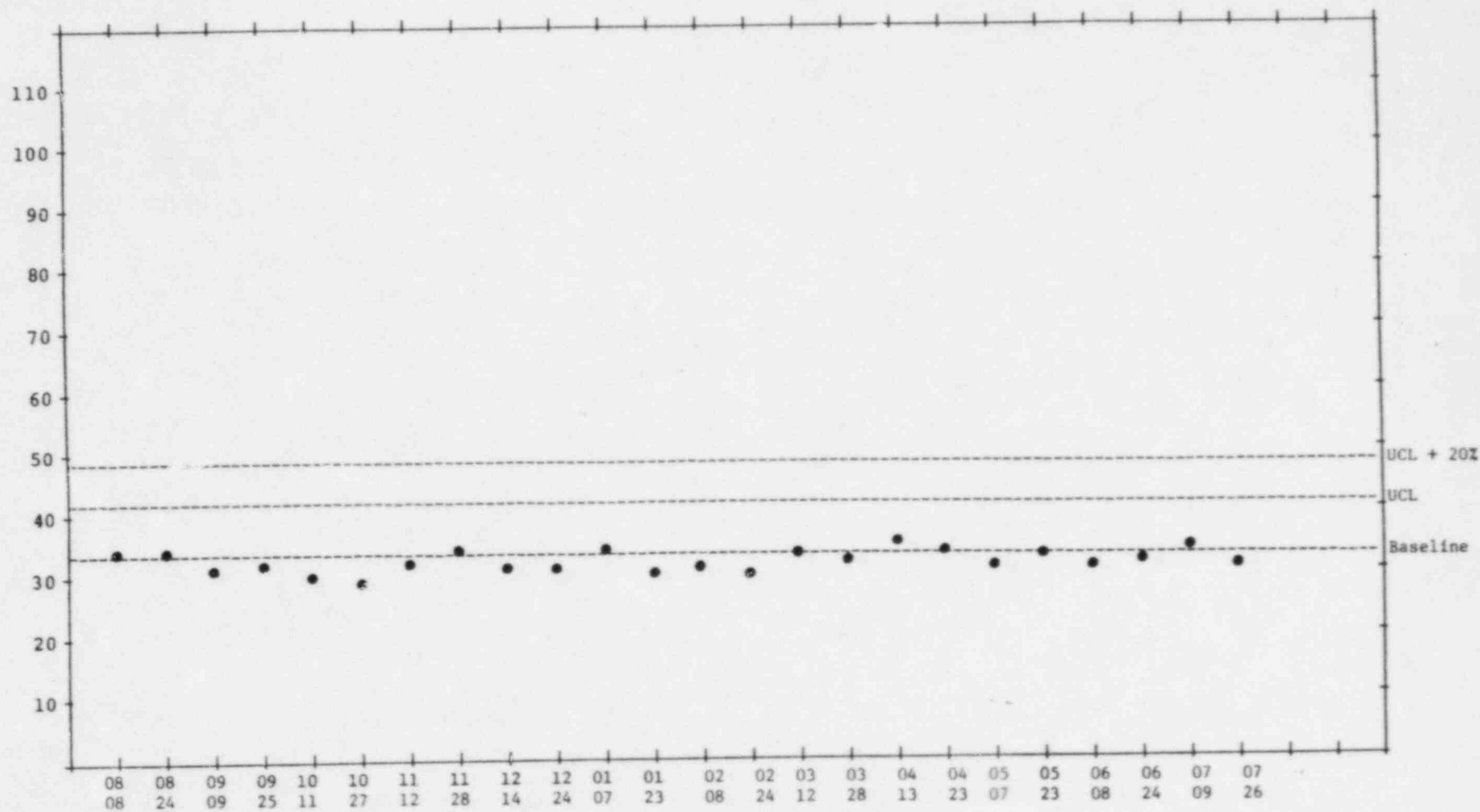


FIGURE NO. 9

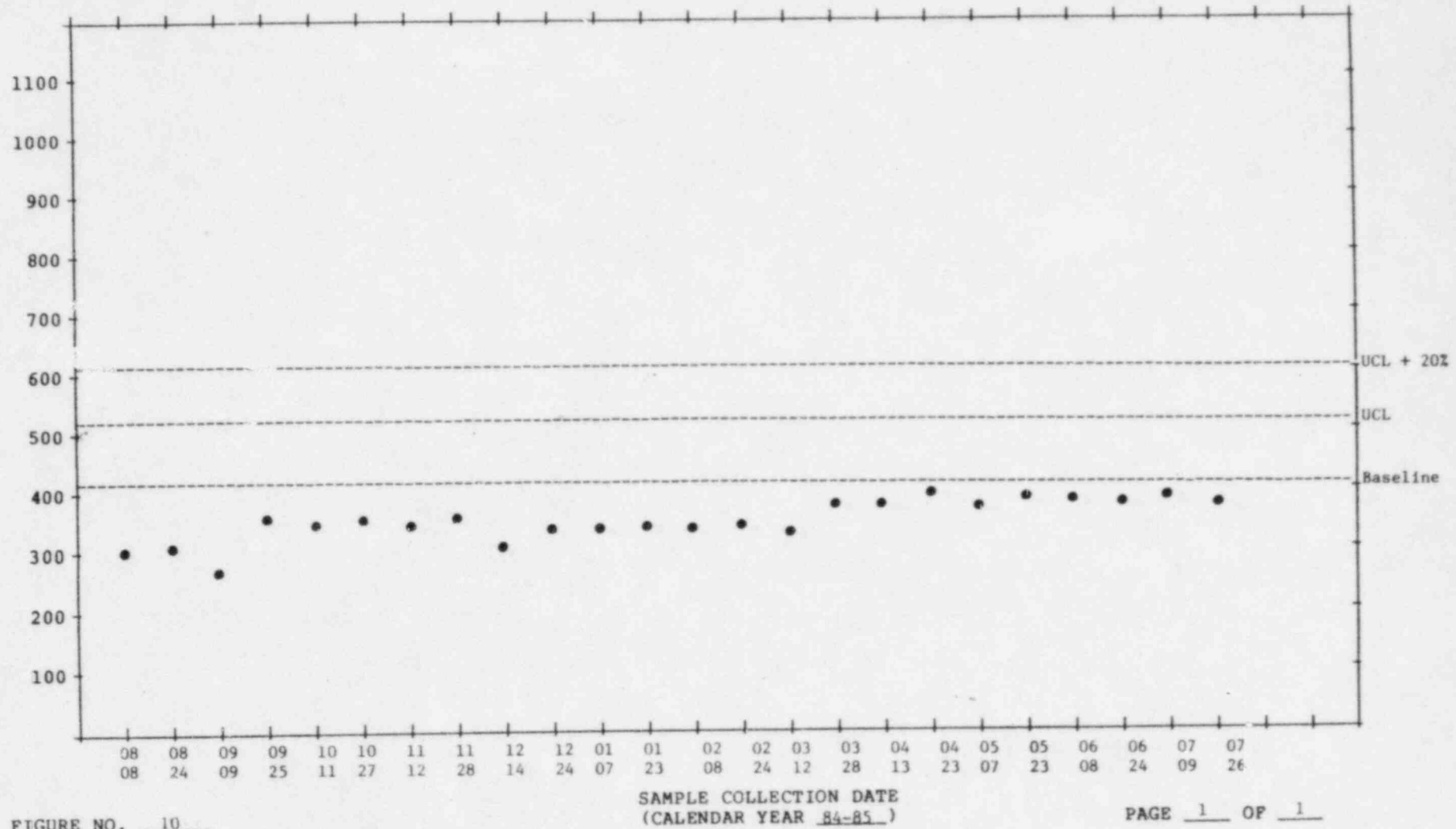
SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

PAGE 1 OF 1

MONITOR WELL NO. M-8

OGLE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: SODIUM



MONITOR WELL NO. M-8

OGLE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: SULFATE

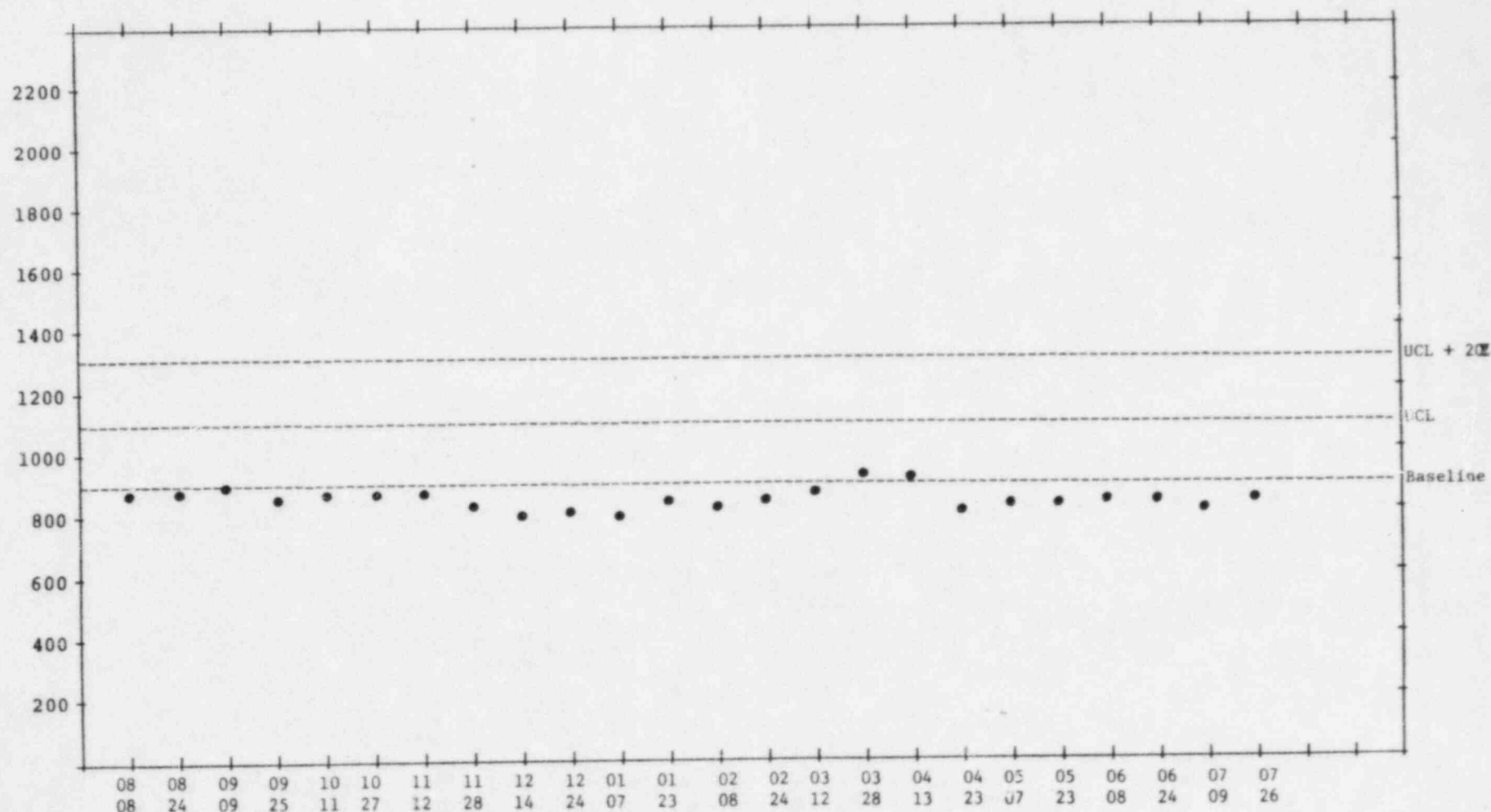


FIGURE NO. 11

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

PAGE 1 OF 1

MONITOR WELL NO. M-8

OGLE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: URANIUM

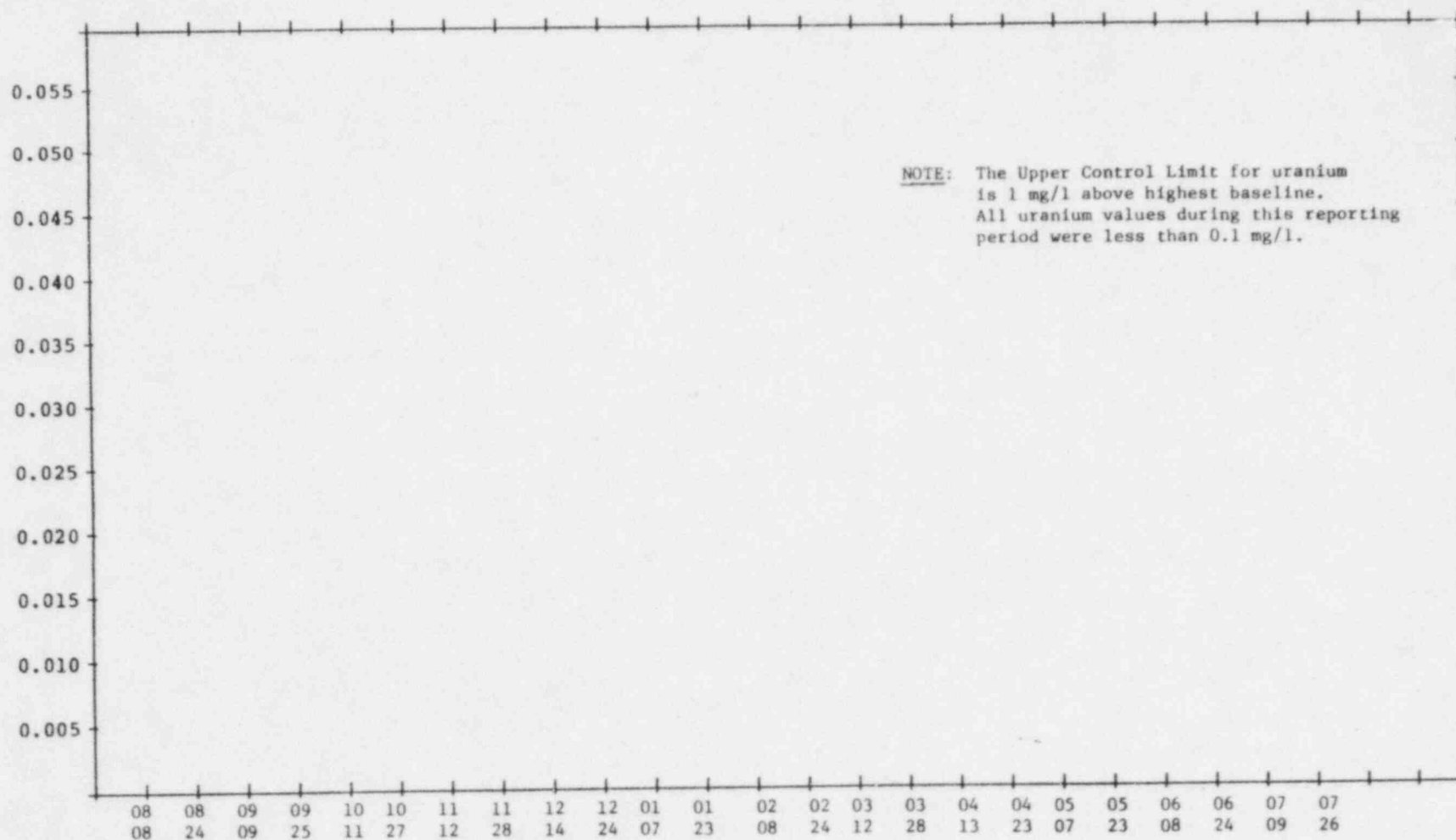
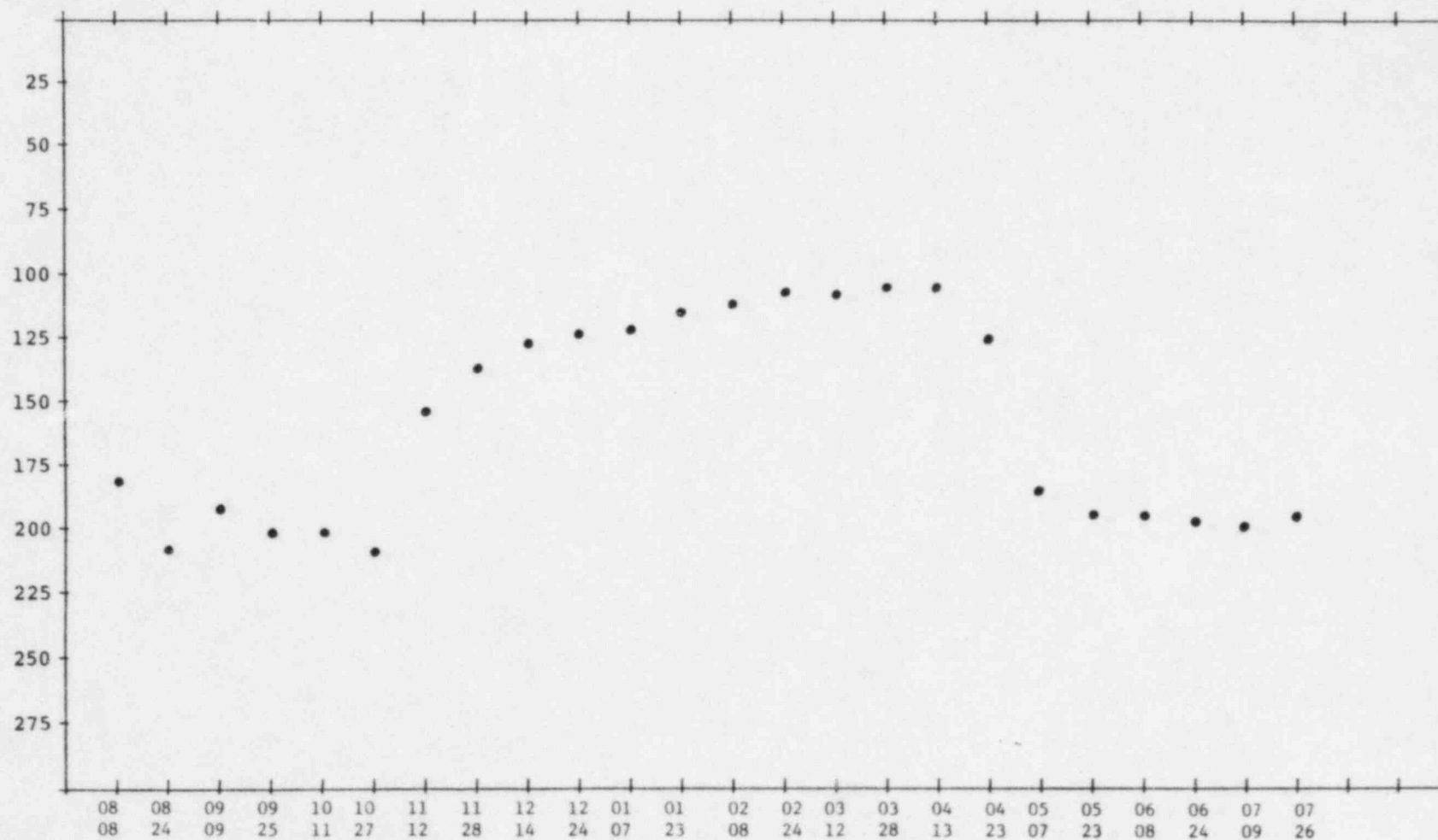


FIGURE NO. 12

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

PAGE 1 OF 1

FIGURE NO. 13SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)PAGE 1 OF 1

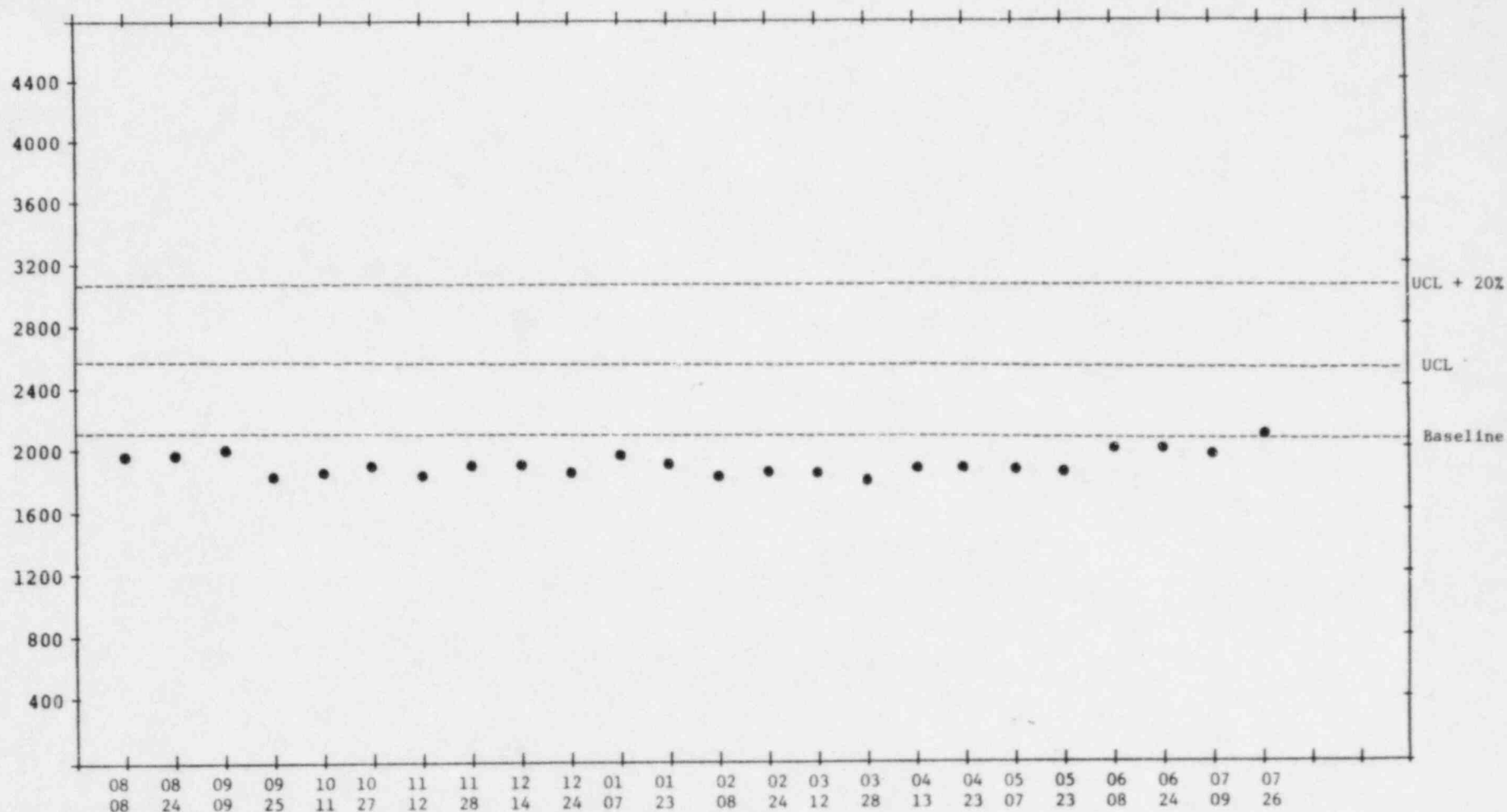
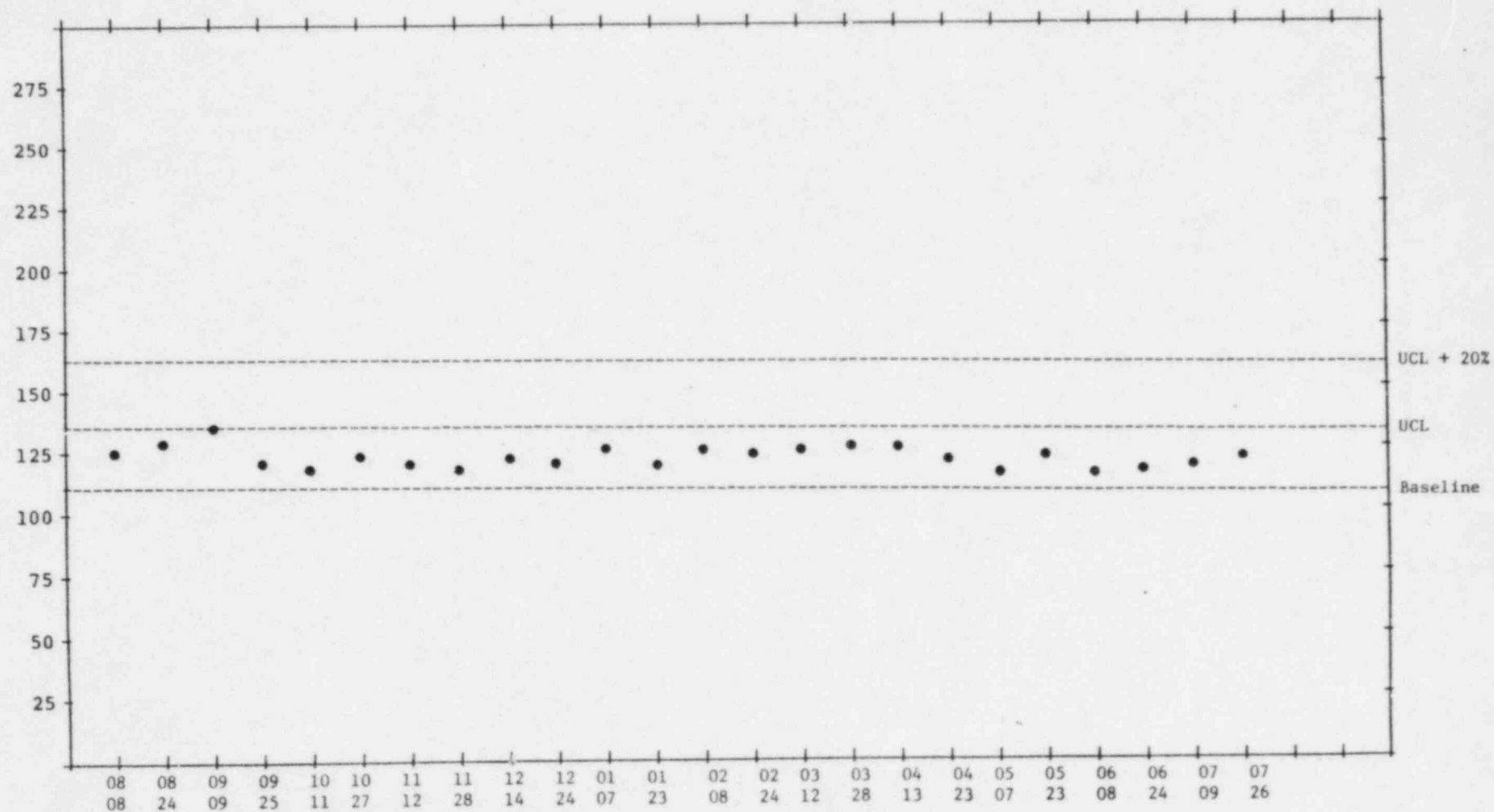


FIGURE NO. 14

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

PAGE 1 OF 1

FIGURE NO. 15SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)PAGE 1 OF 1

MONITOR WELL NO. M-9

OGLE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: CHLORIDE

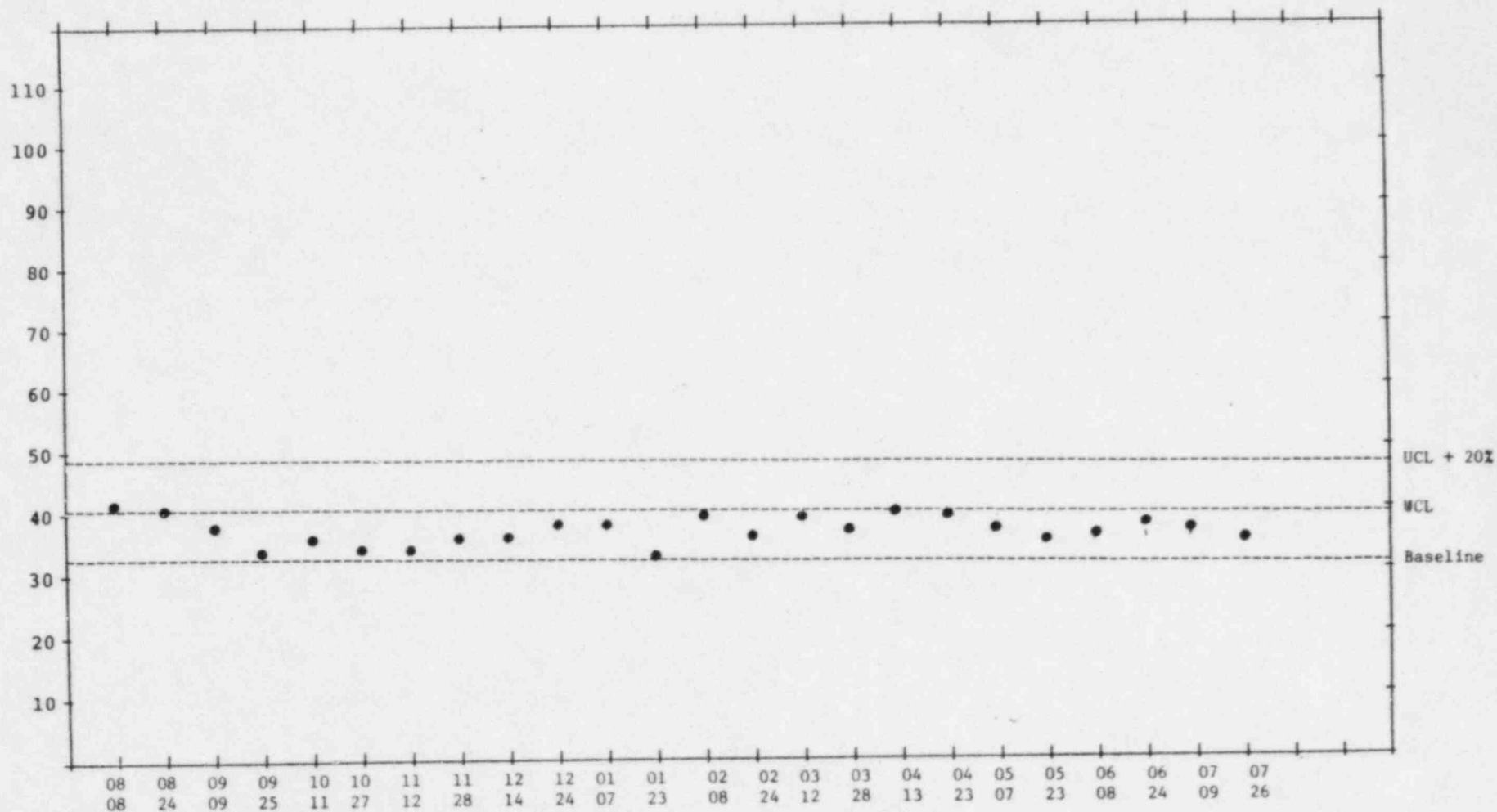
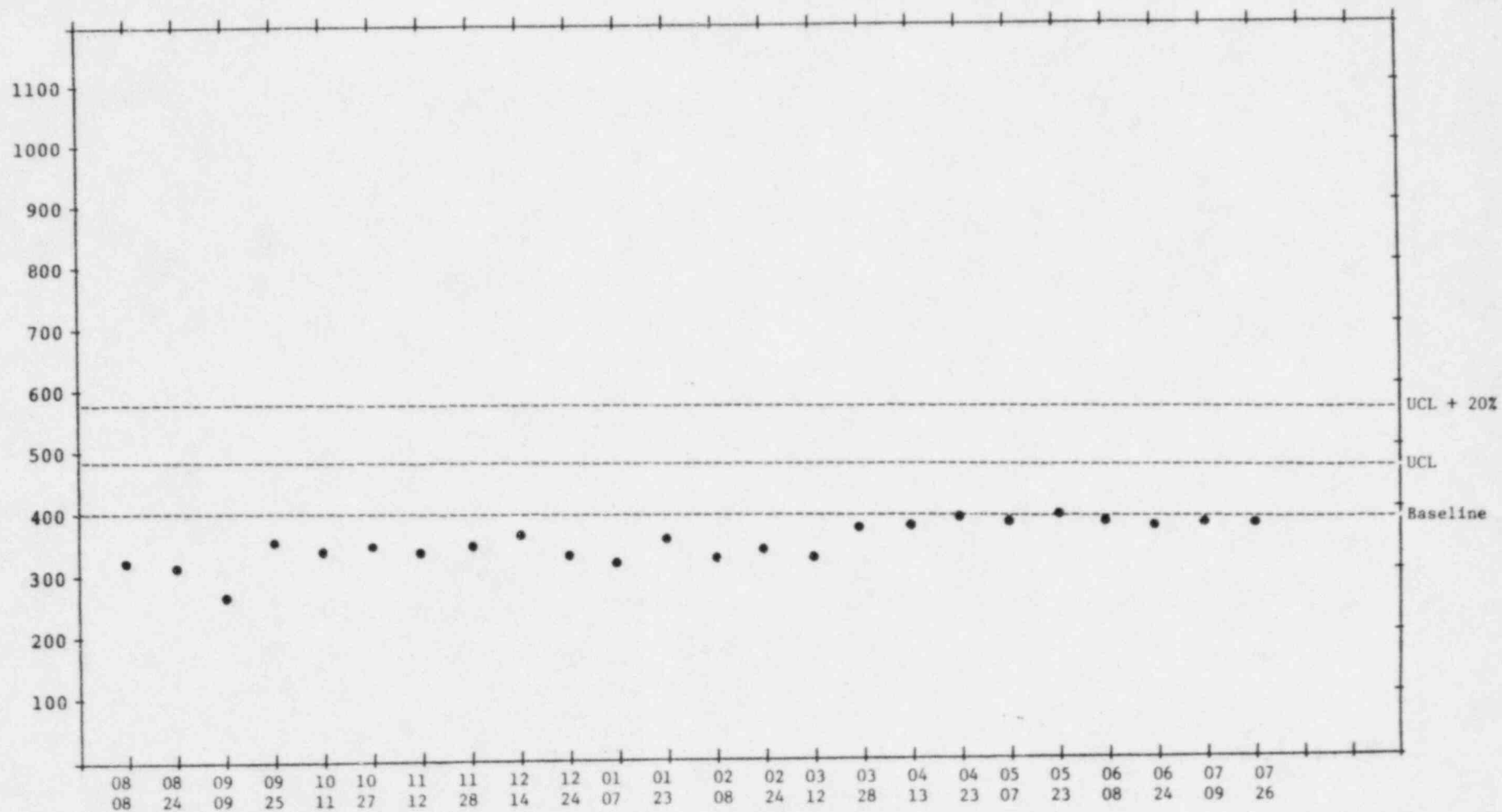


FIGURE NO. 16

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

PAGE 1 OF 1

FIGURE NO. 17SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)PAGE 1 OF 1

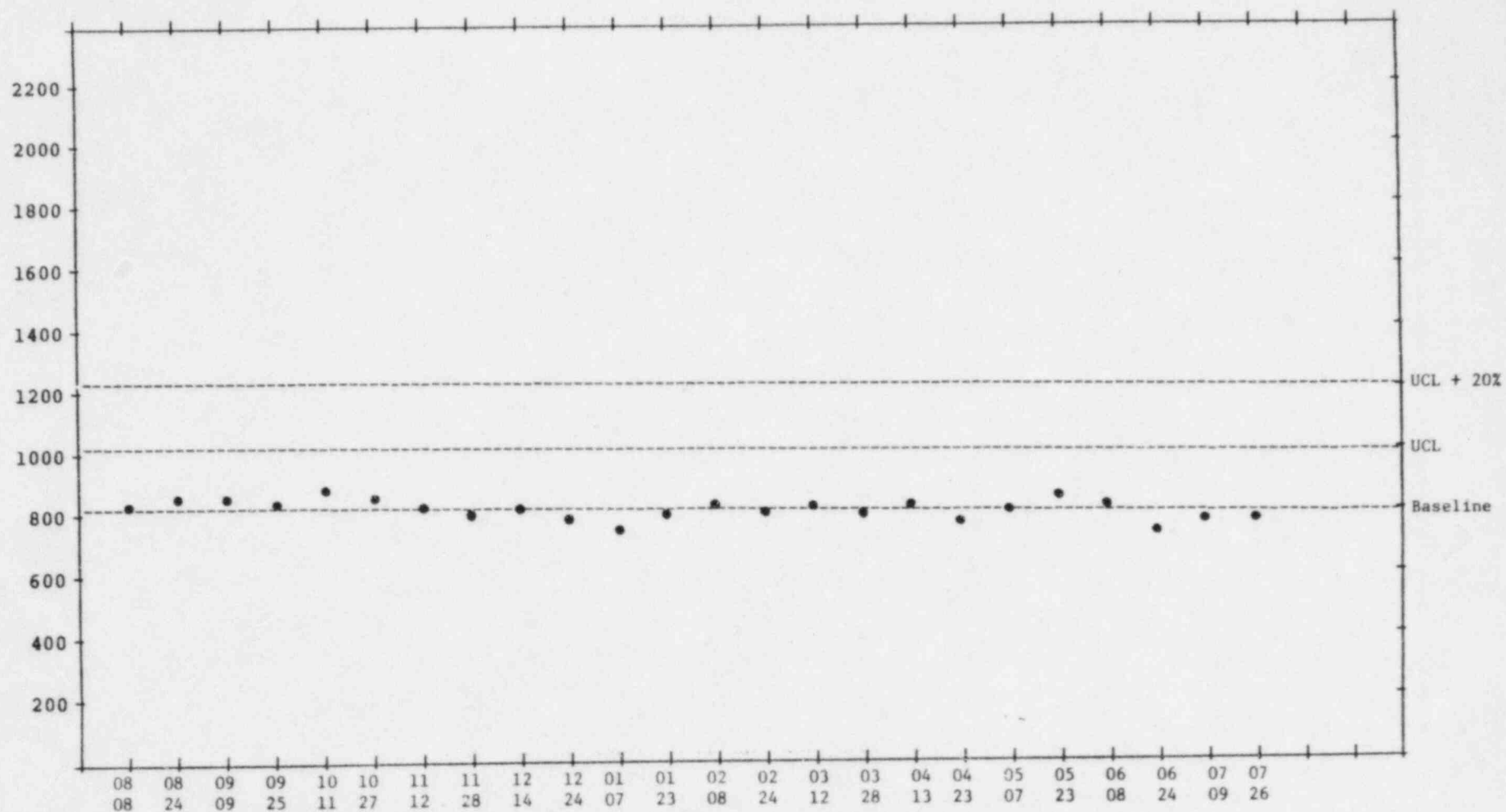
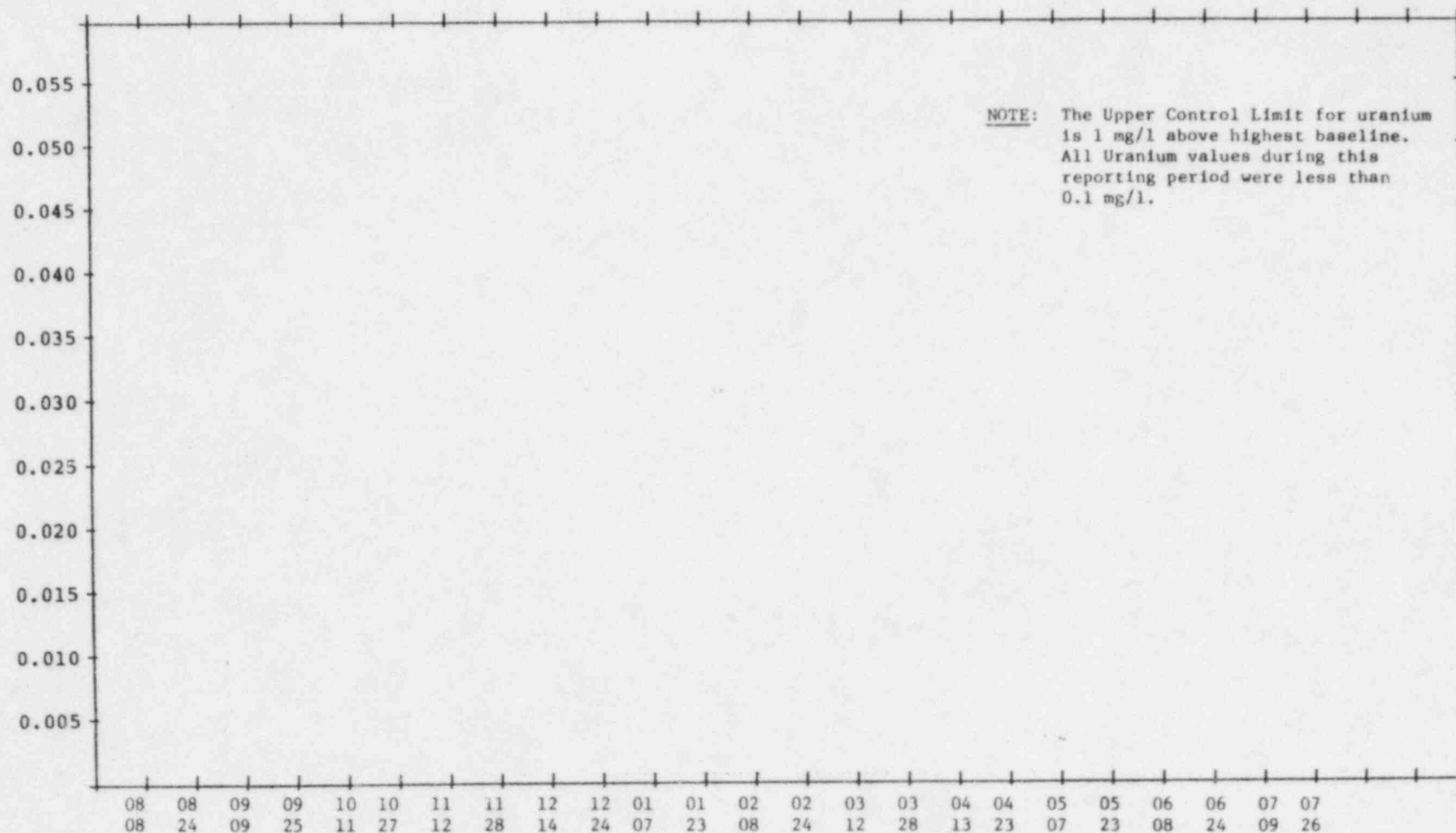


FIGURE NO. 18

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)



MONITOR WELL NO. M-9

OGLE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: WATER LEVEL

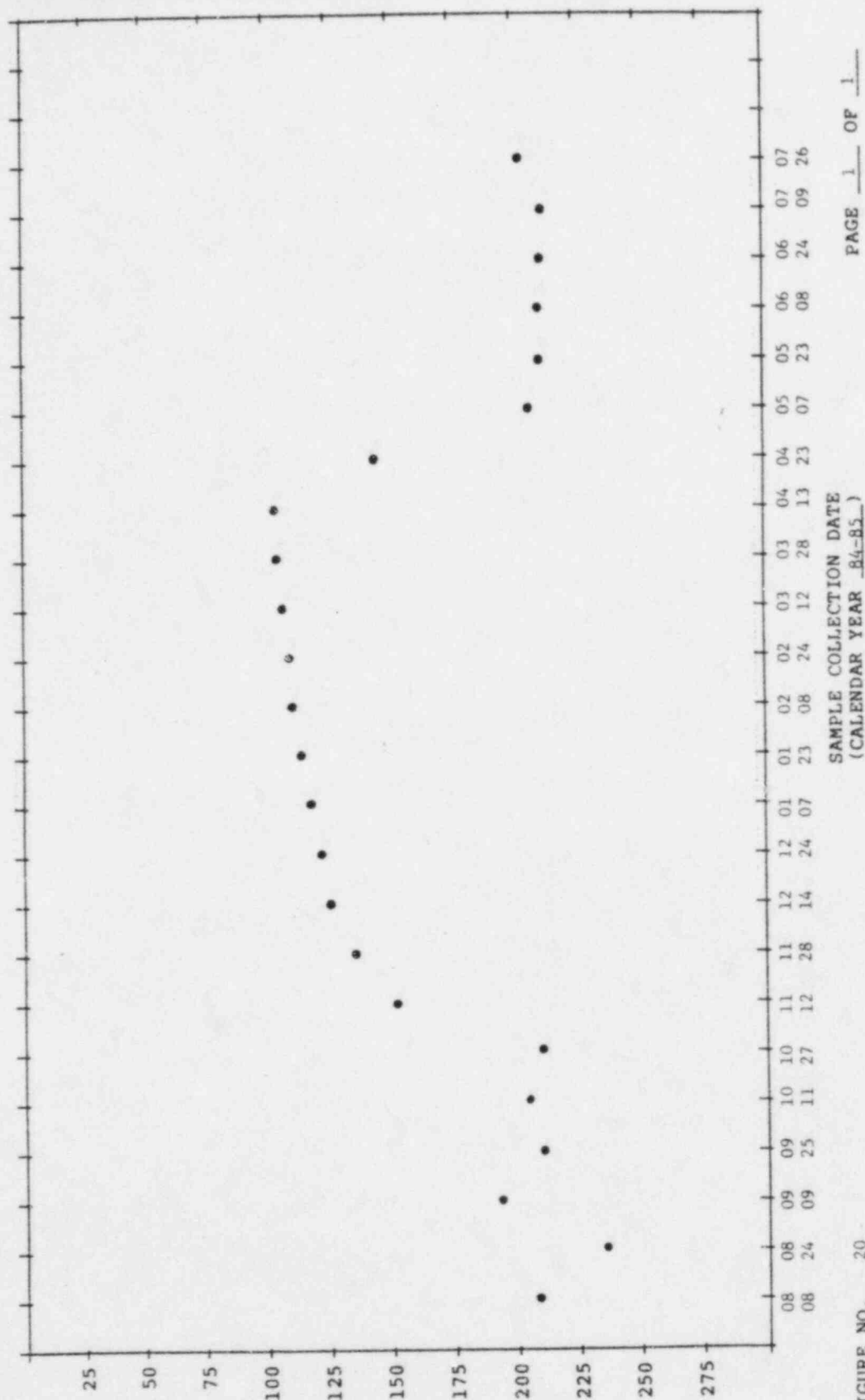
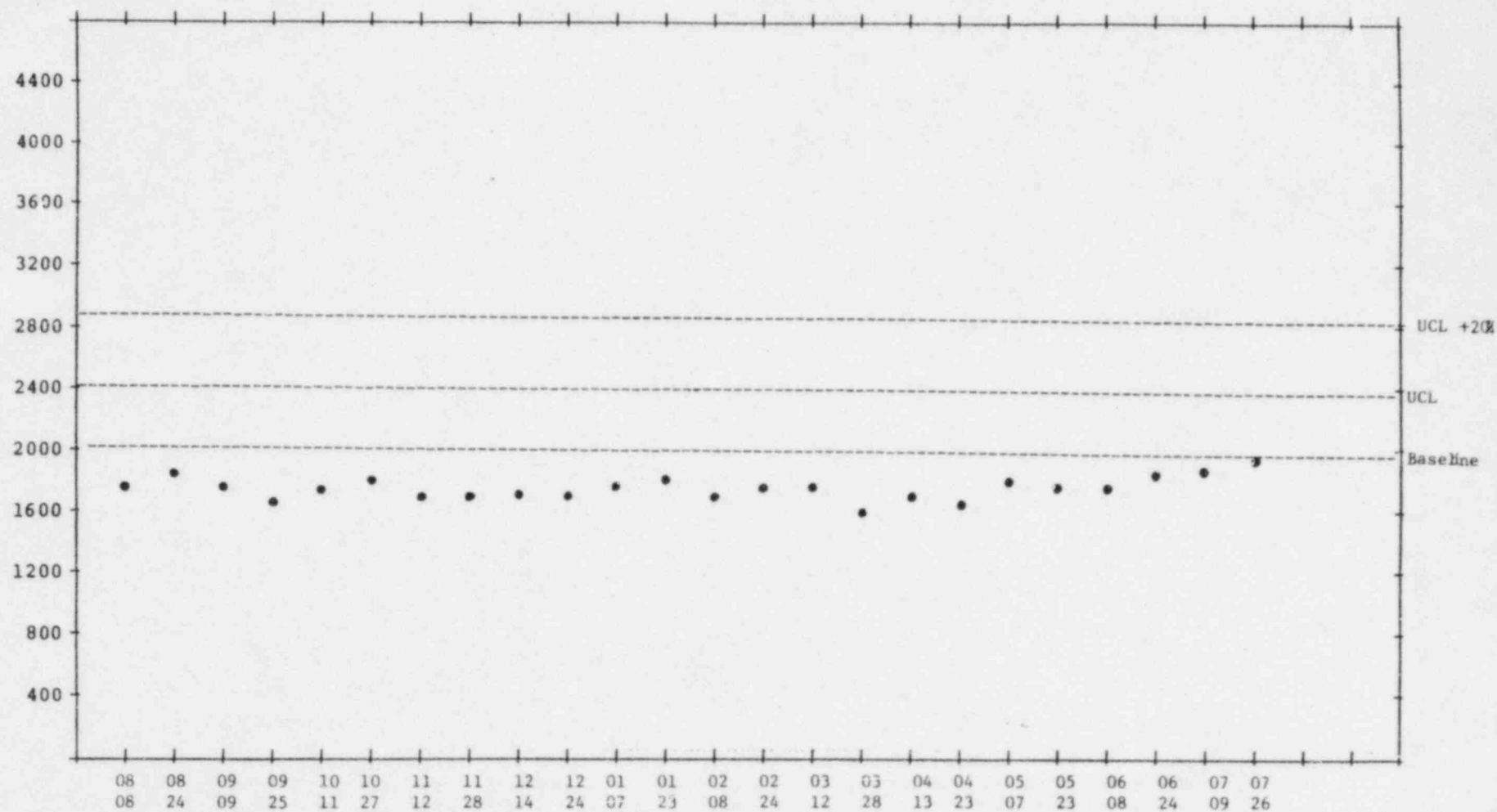
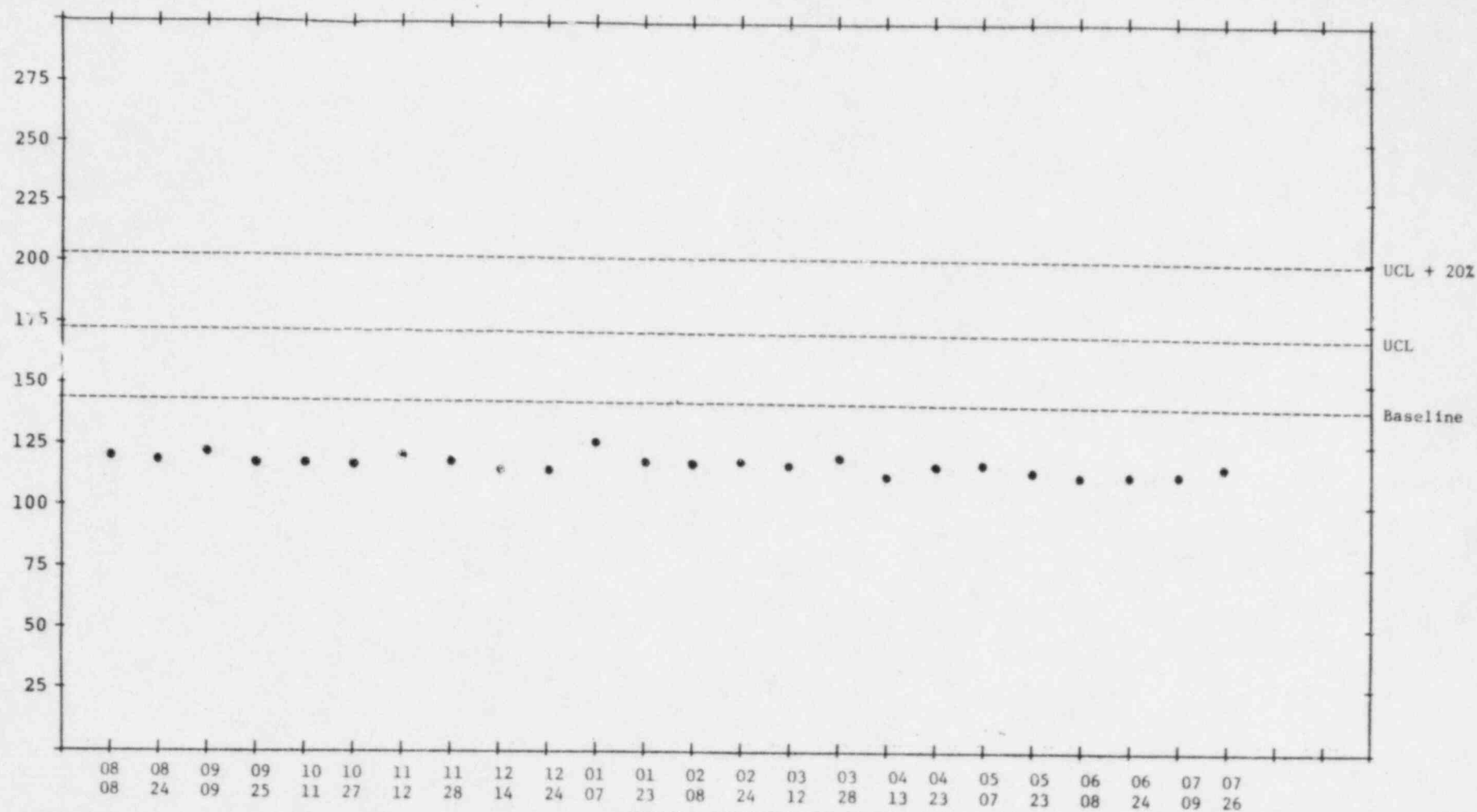


FIGURE NO. 20

FIGURE NO. 21SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)PAGE 1 OF 1

FIGURE NO. 22SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)PAGE 1 OF 1

MONITOR WELL NO. M-10

OGLE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: CHLORIDE

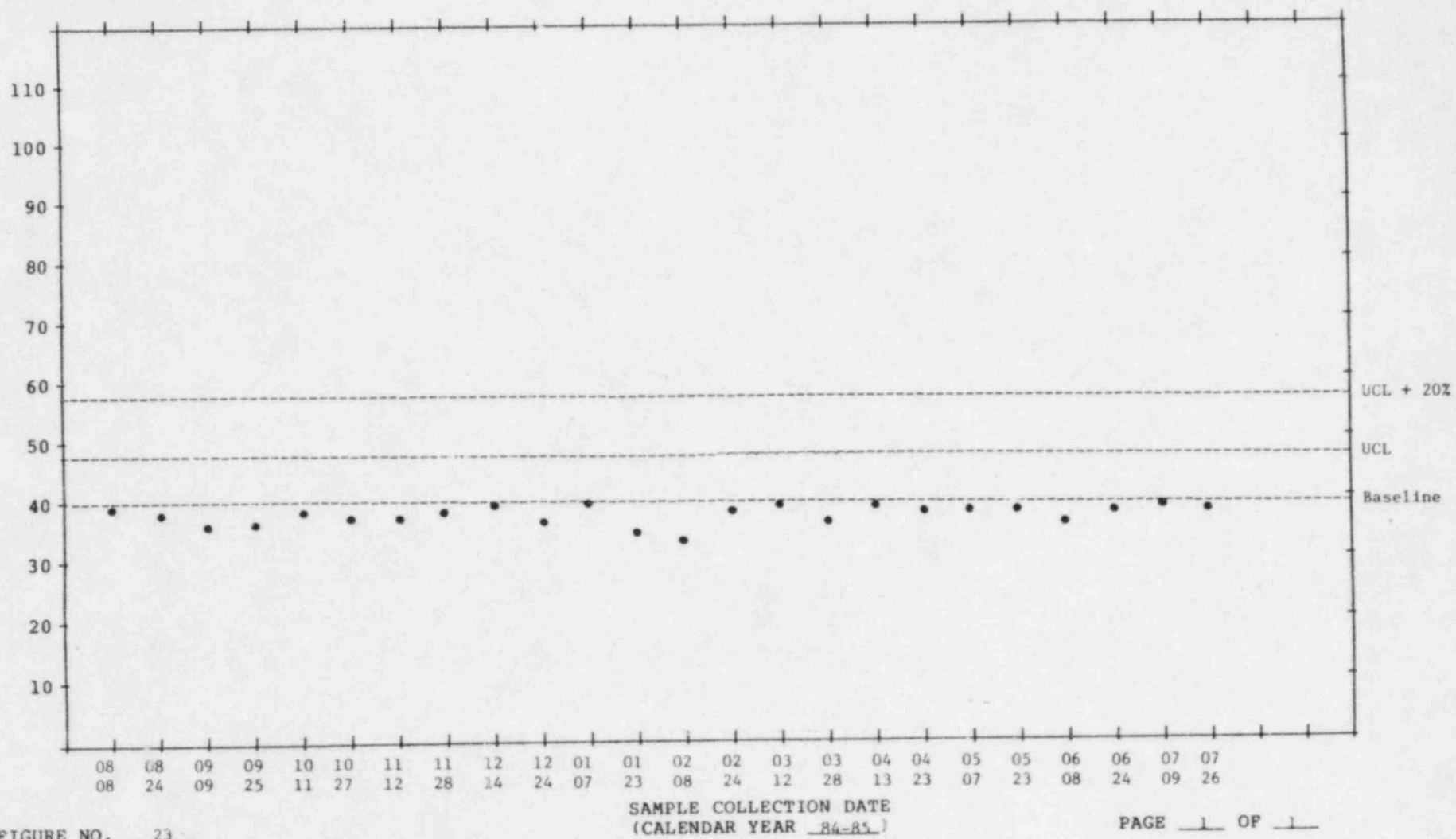
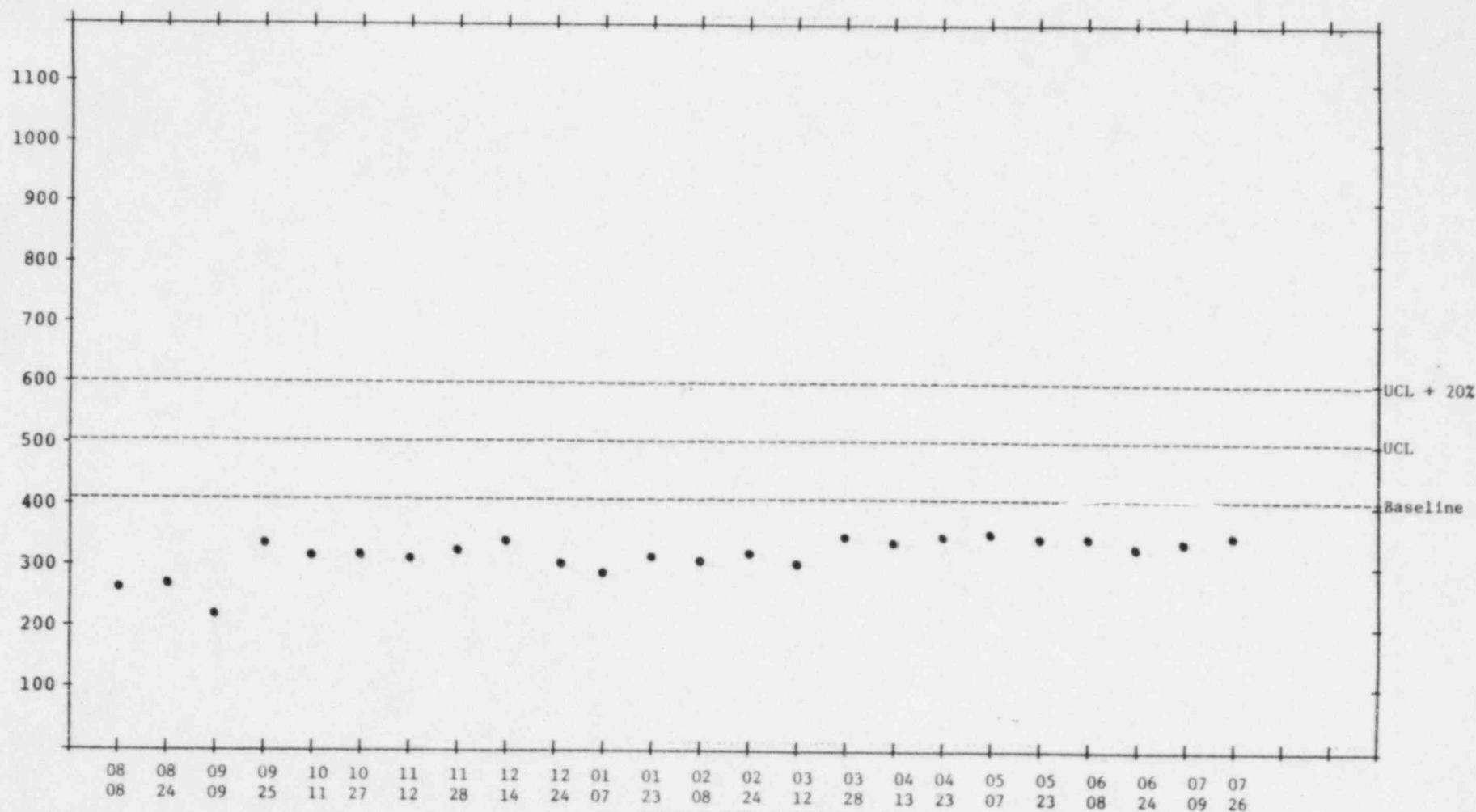


FIGURE NO. 23

PAGE 1 OF 1

FIGURE NO. 24SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)PAGE 1 OF 1

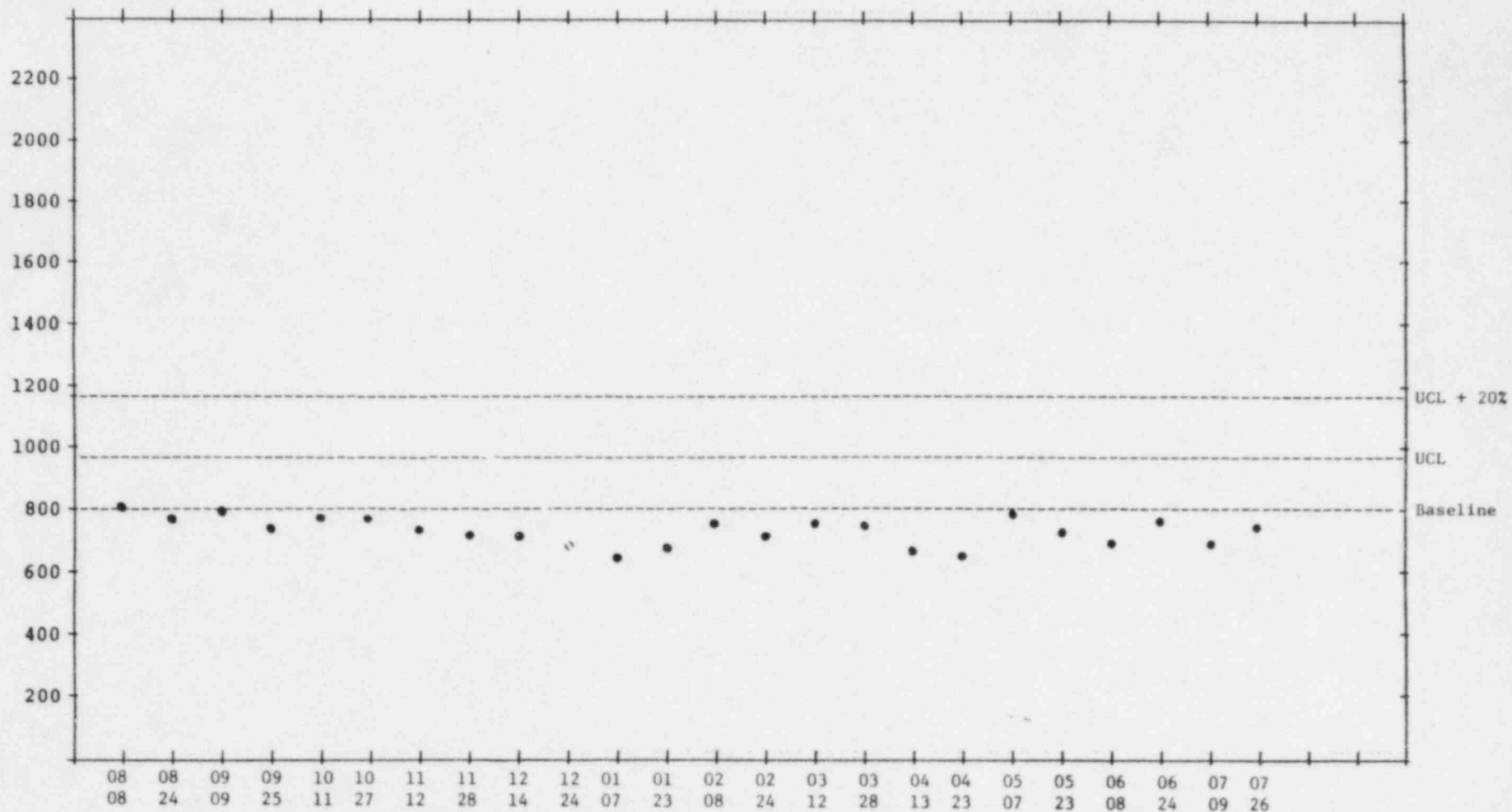
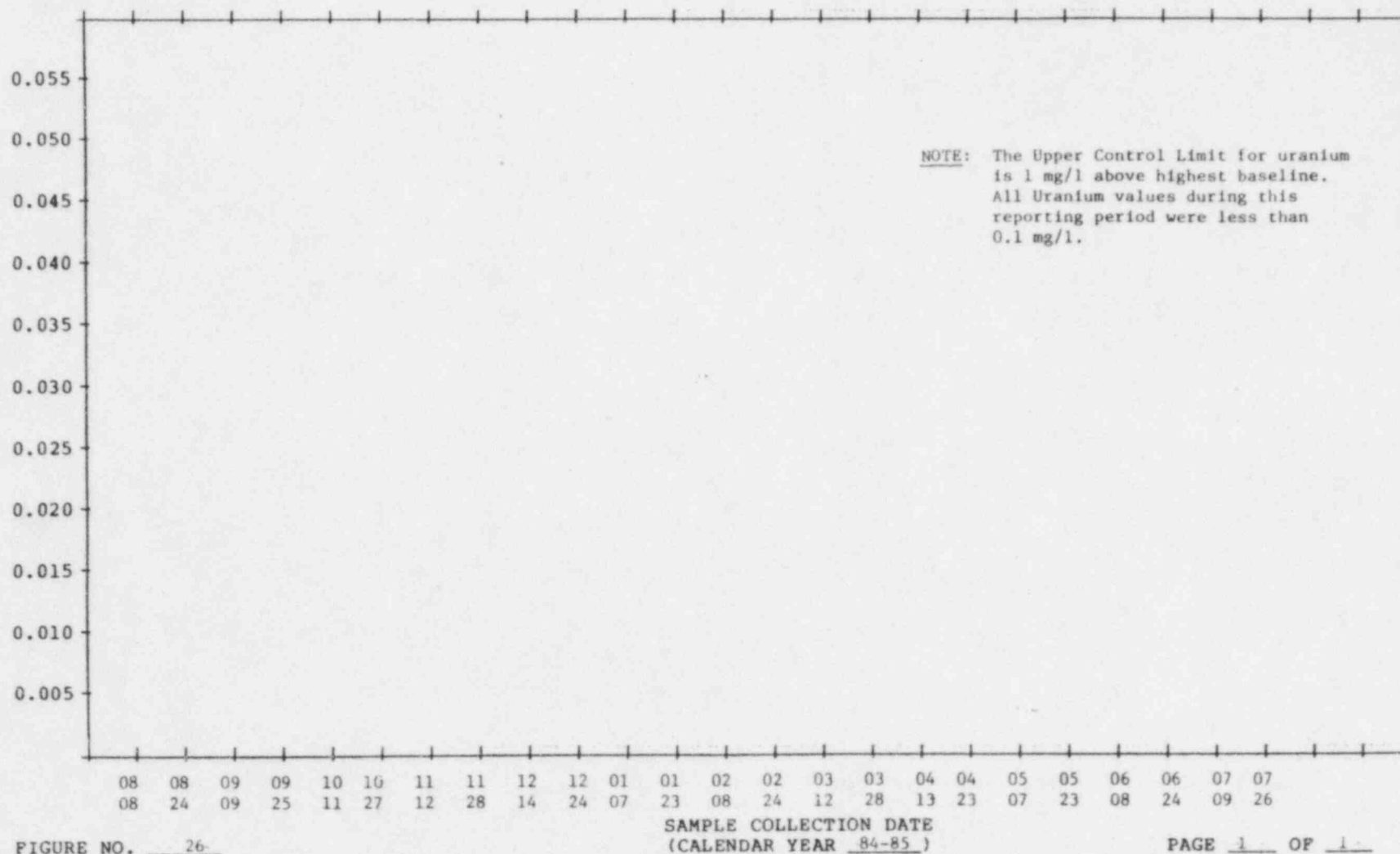


FIGURE NO. 25

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)



MONITOR WELL NO. M-10

OGLE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: WATER LEVEL

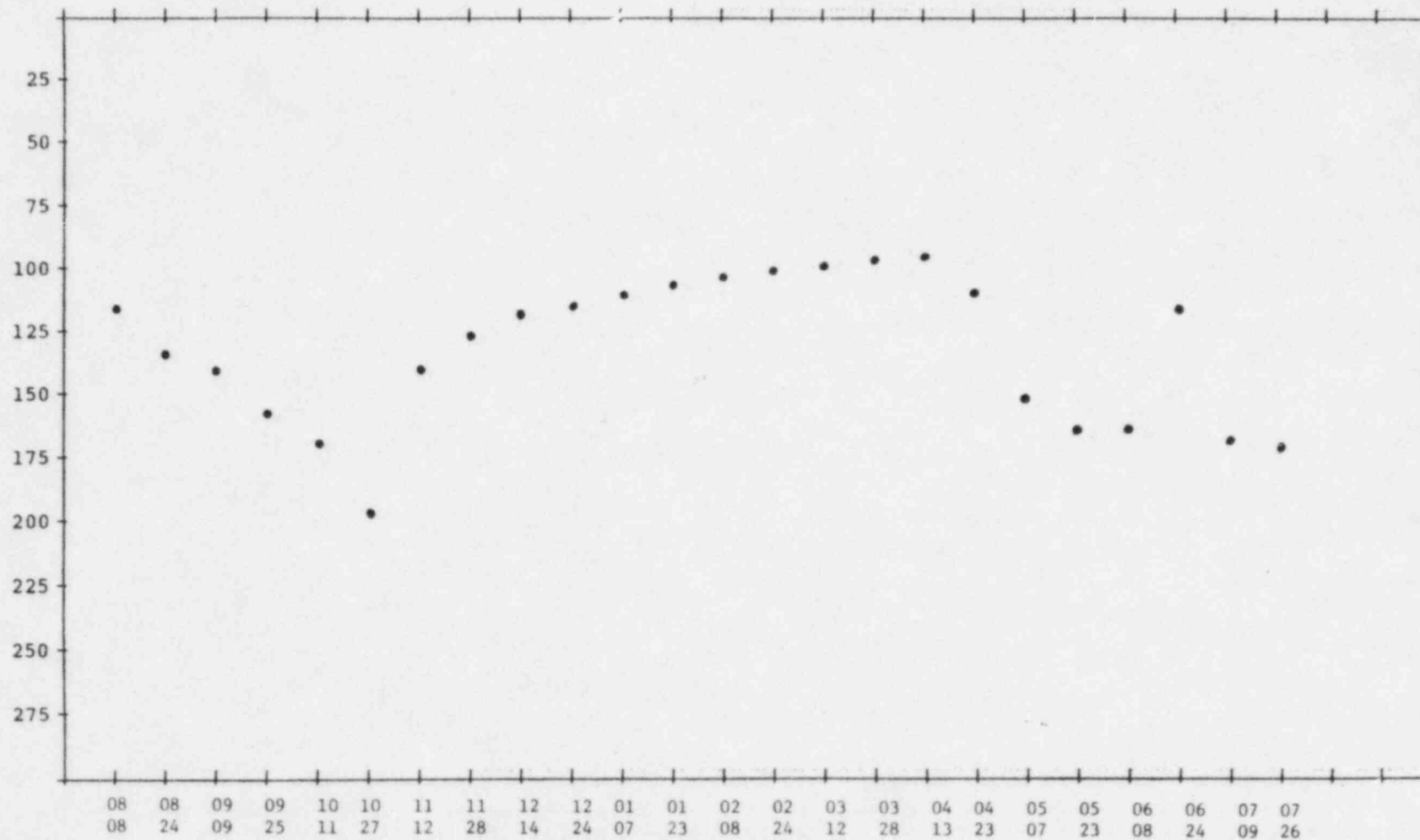


FIGURE NO. 27

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

PAGE 1 OF 1

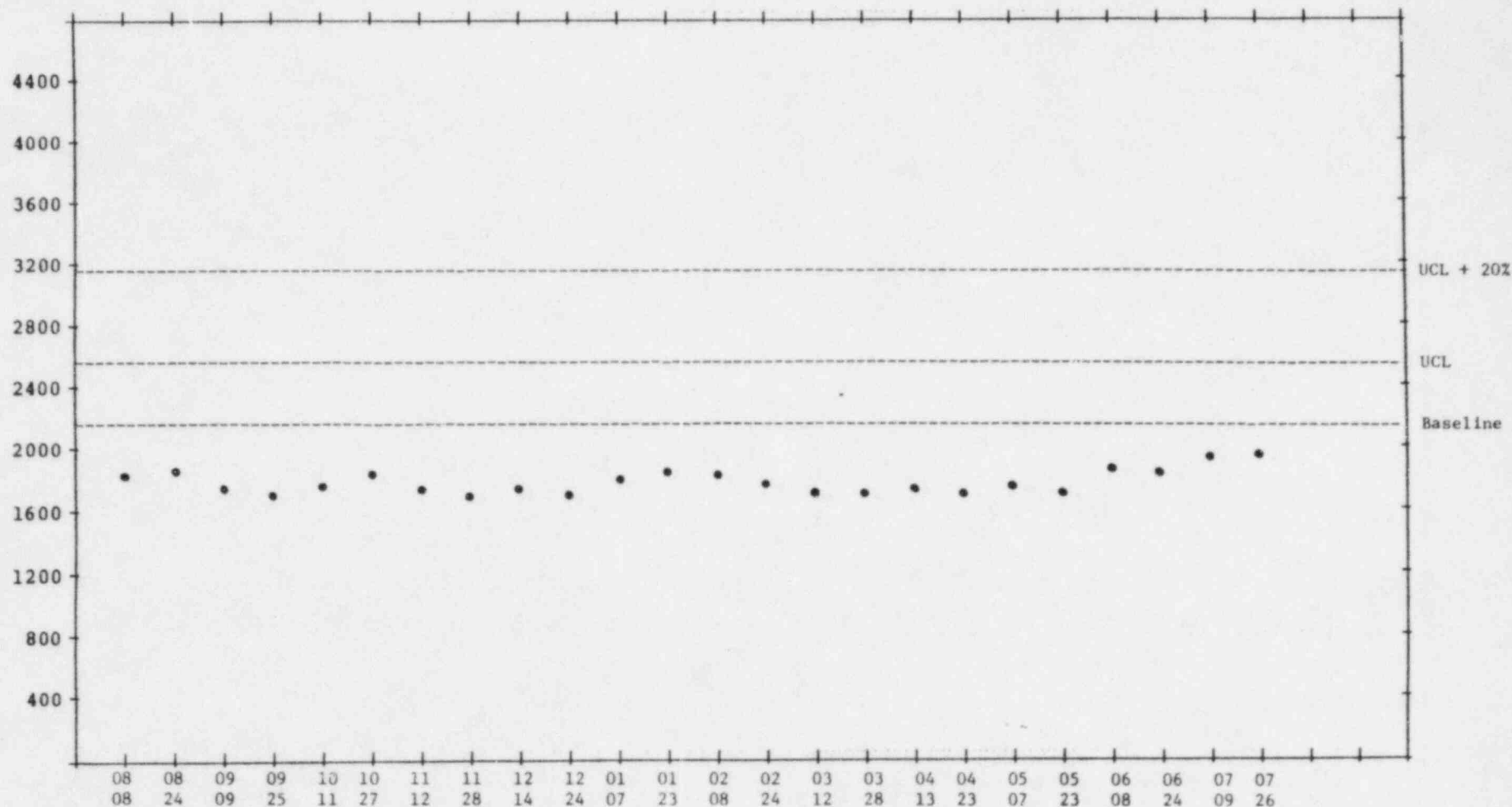
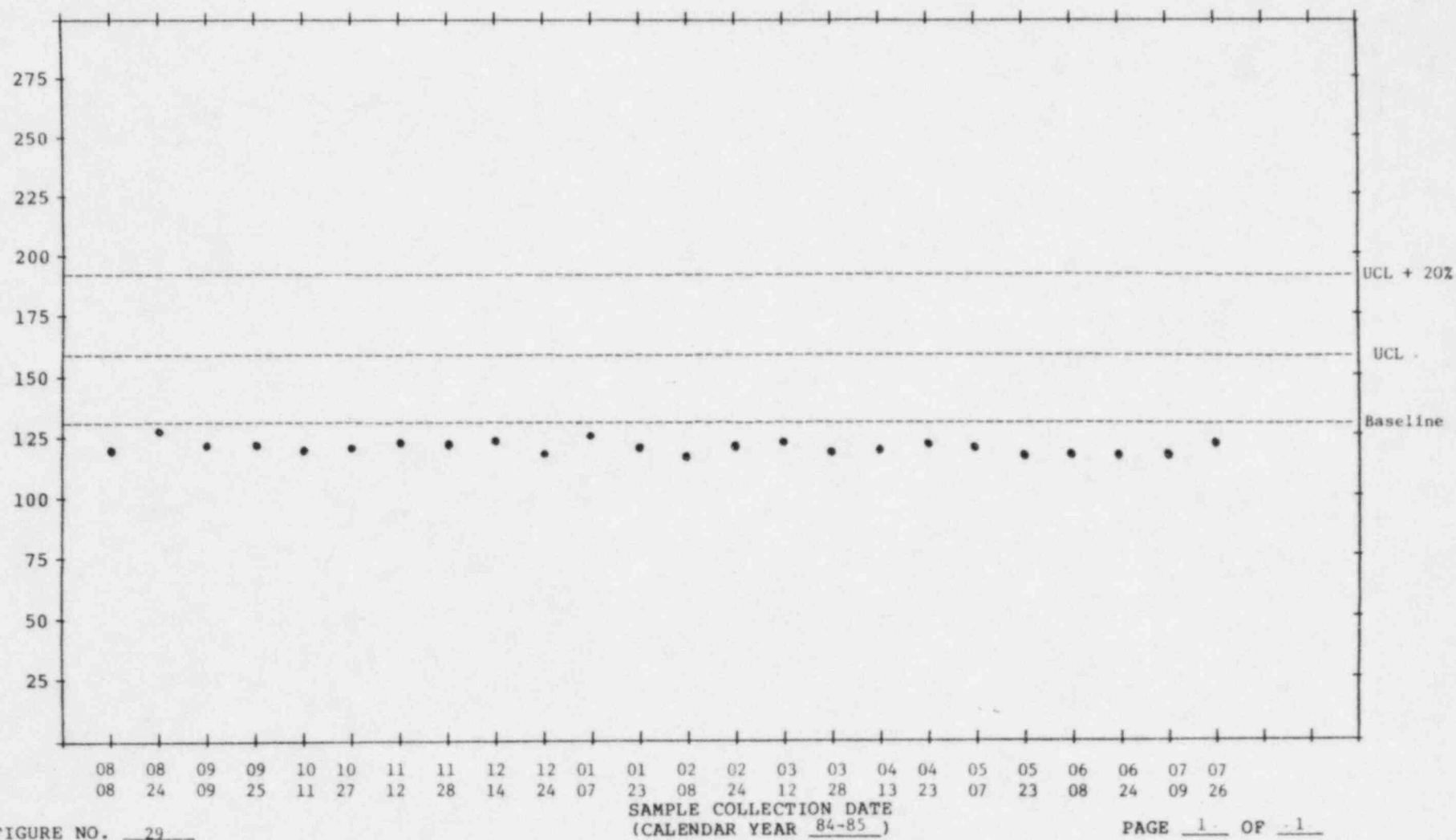


FIGURE NO. 28

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)



MONITOR WELL NO. M-11

OGLE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: CHLORIDE

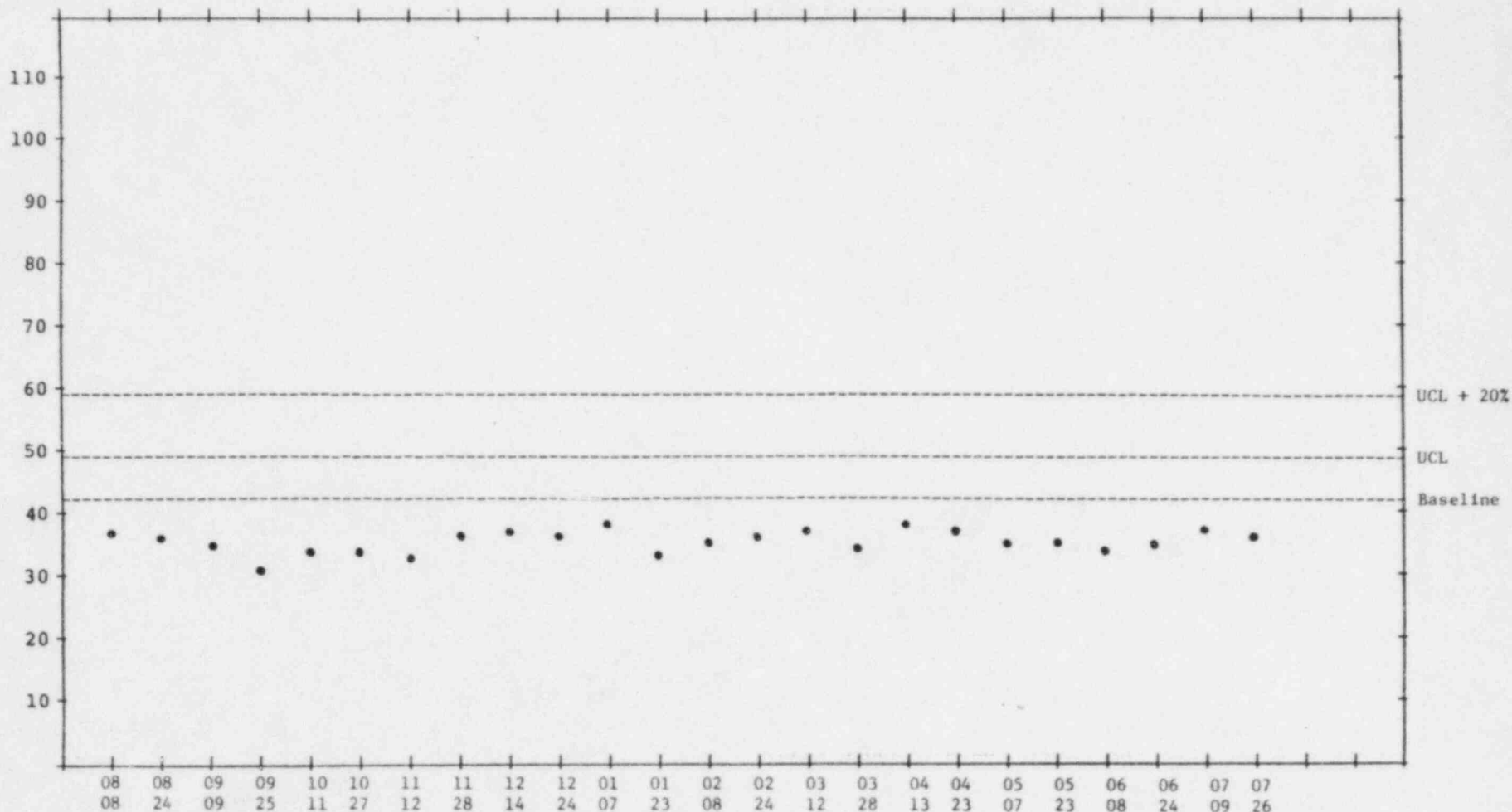


FIGURE NO. 30

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

PAGE 1 OF 1

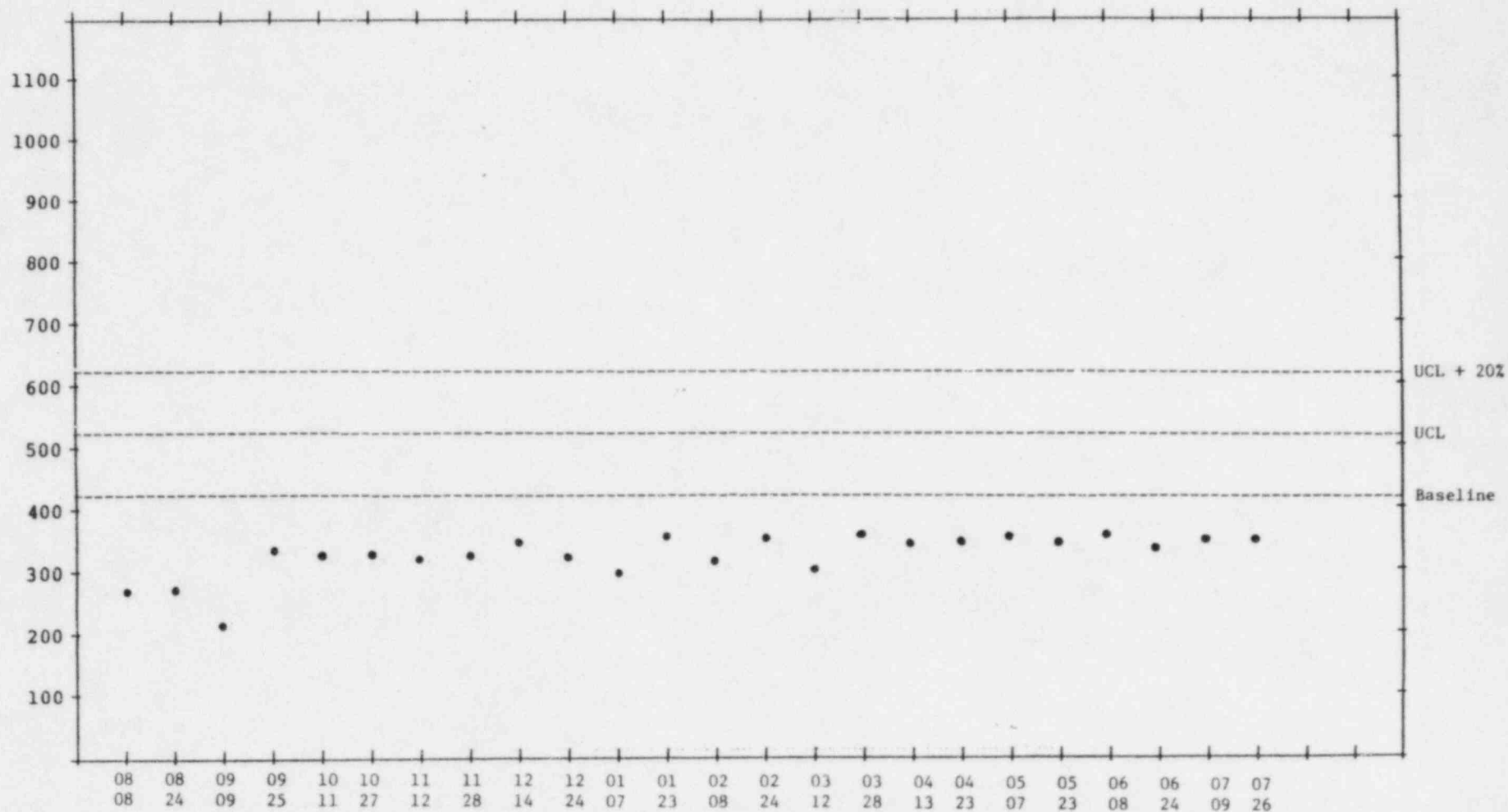
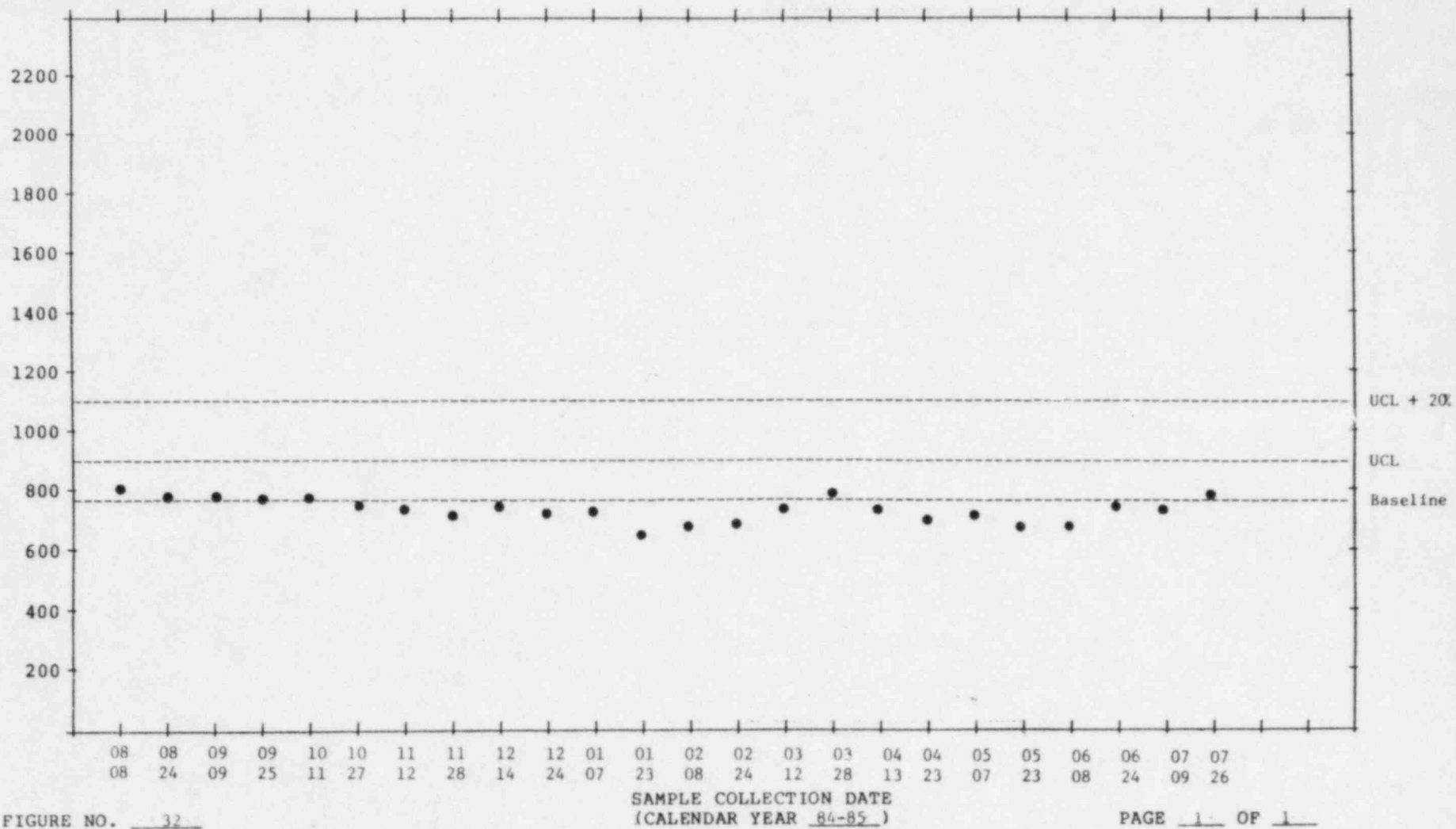
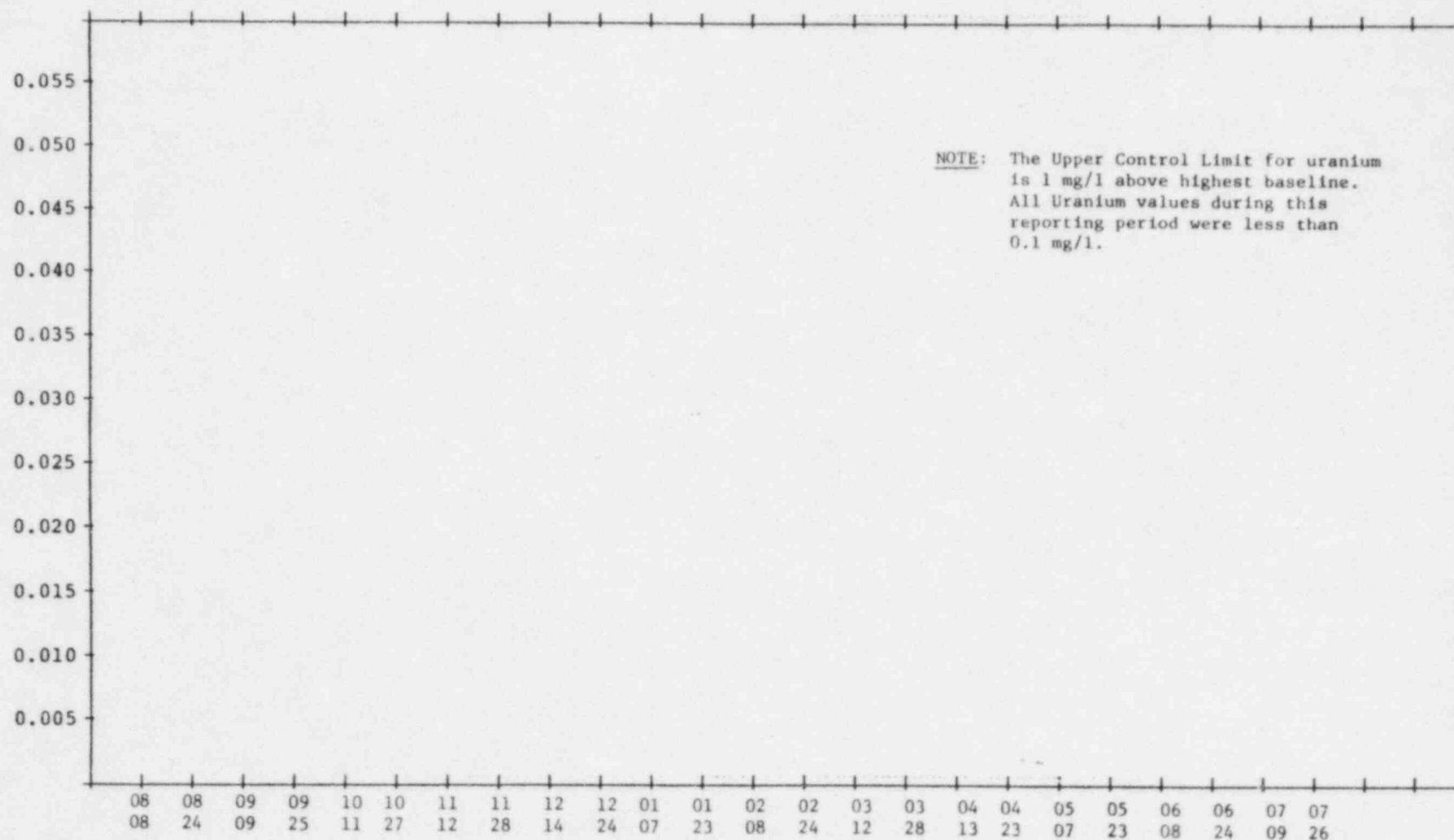


FIGURE NO. 31

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)



FIGURE NO. 33SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)PAGE 1 OF 1

MONITOR WELL NO. M-11

OGLE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: WATER LEVEL

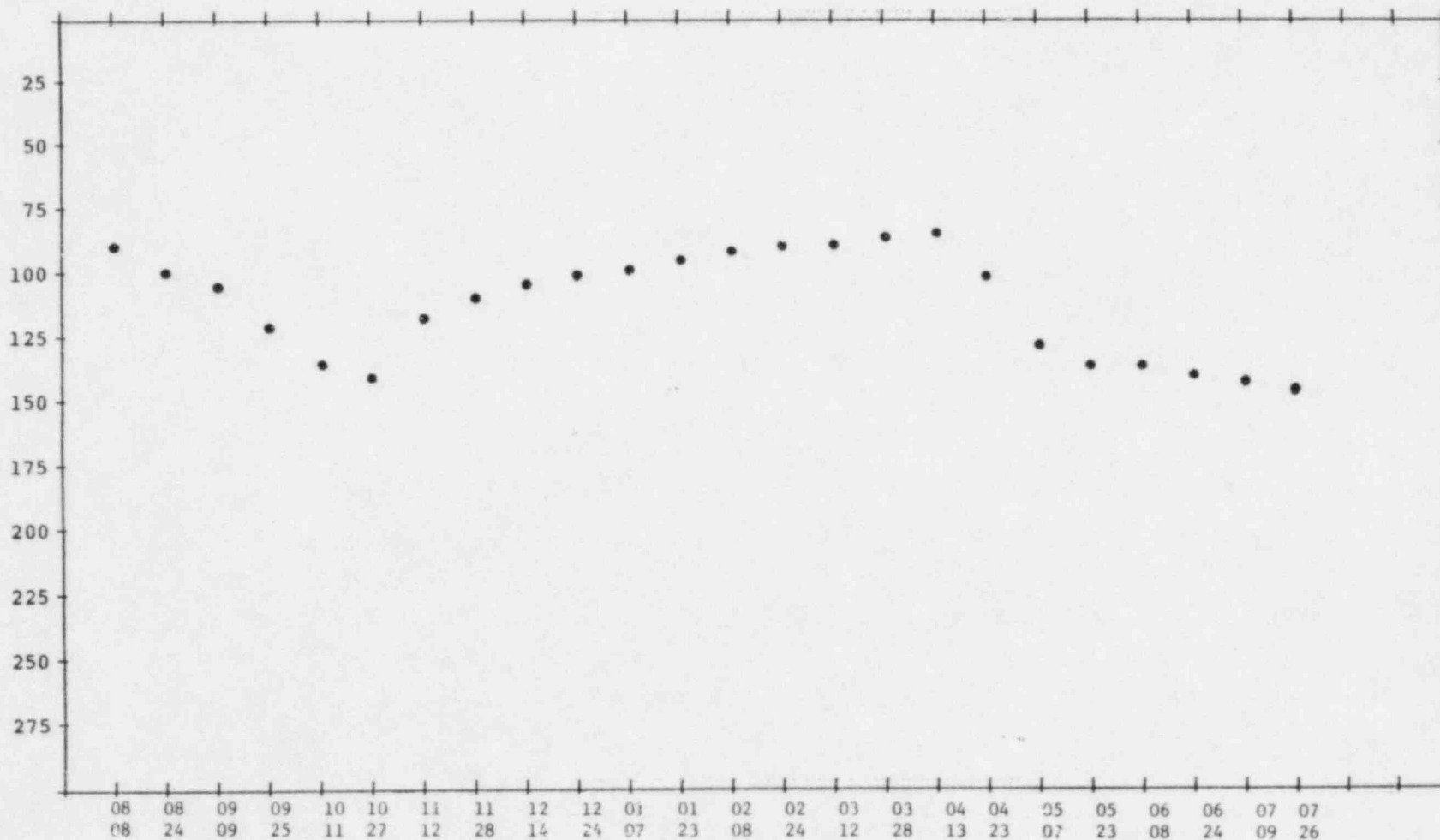
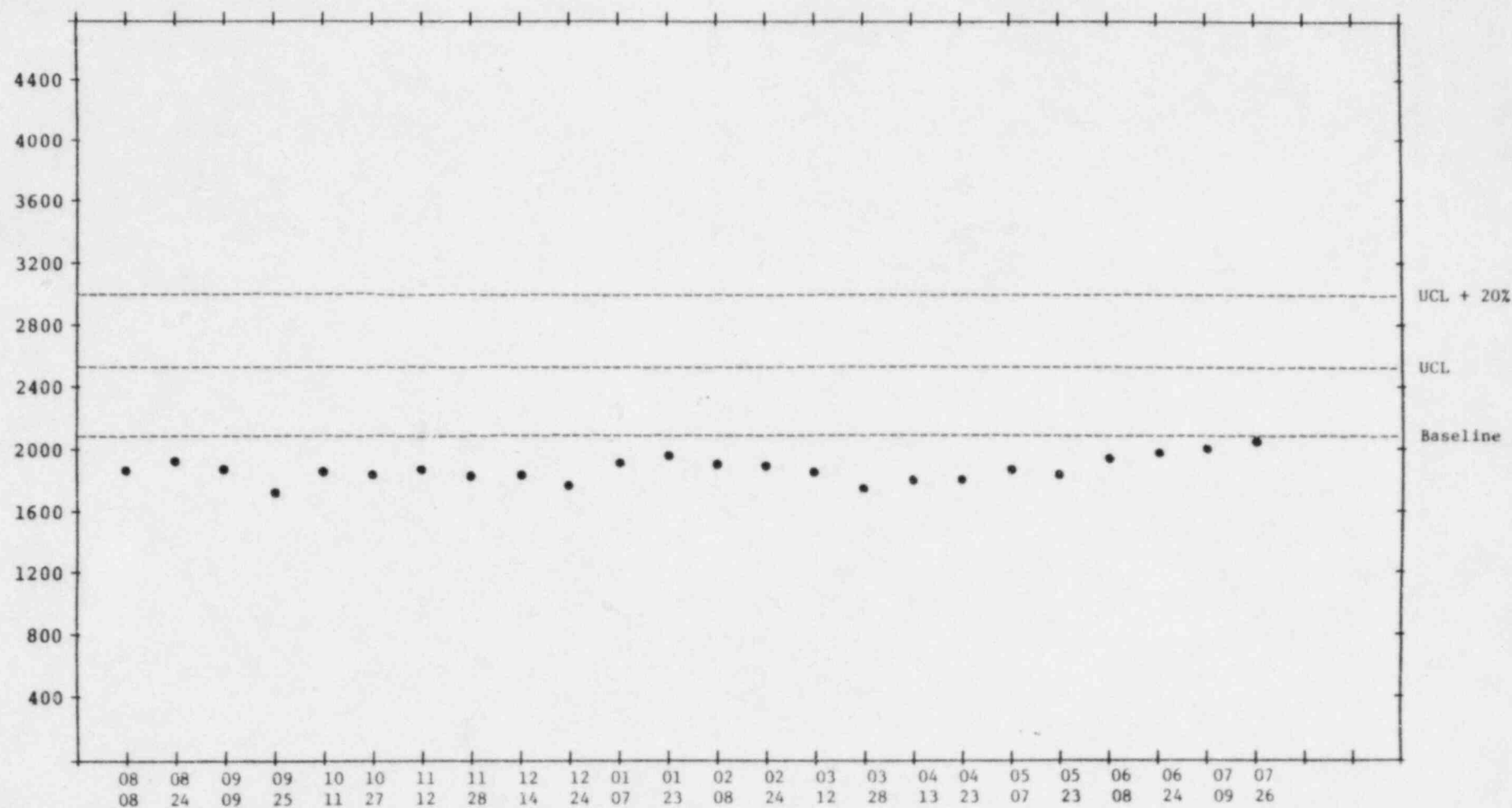
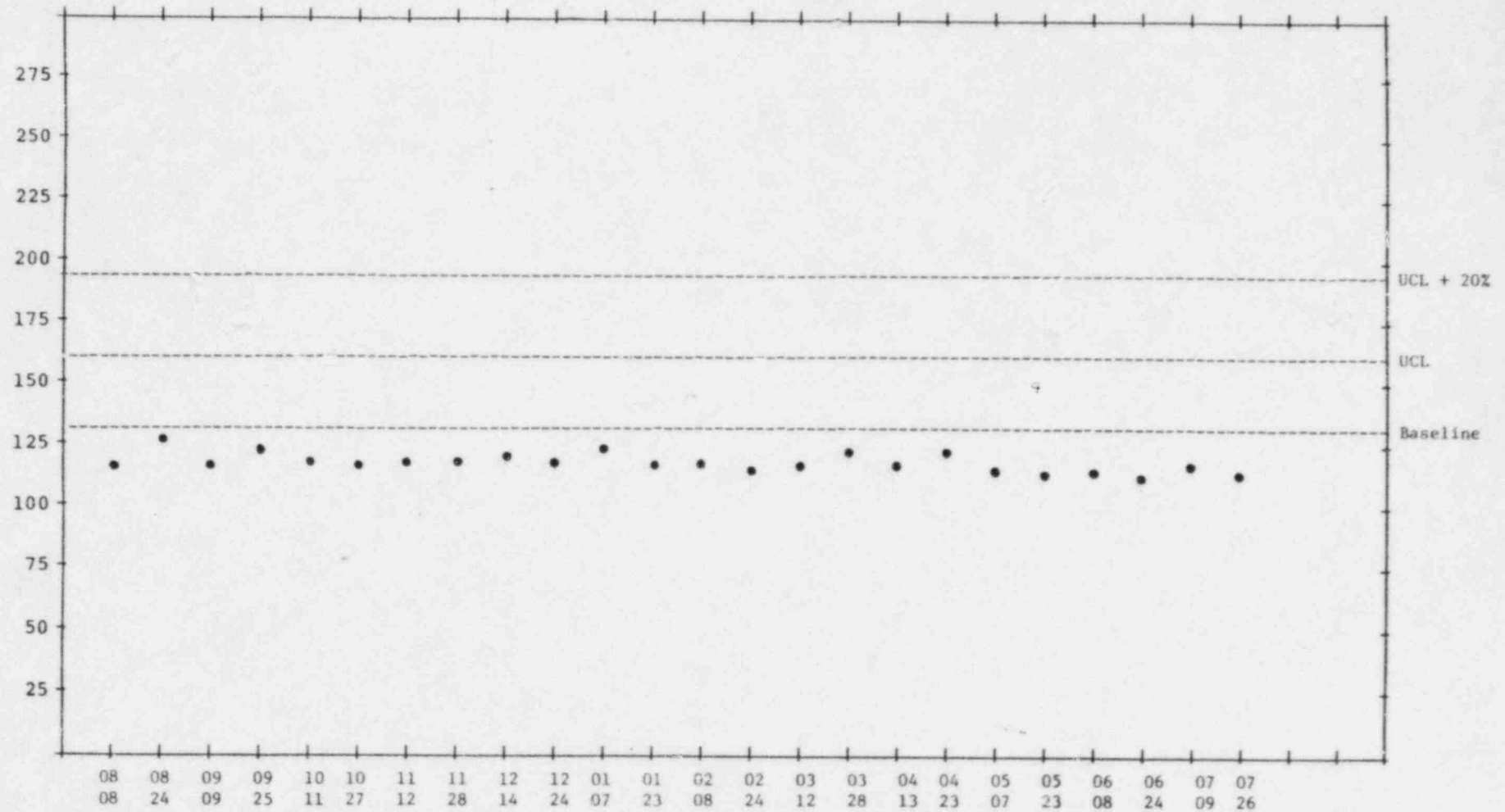


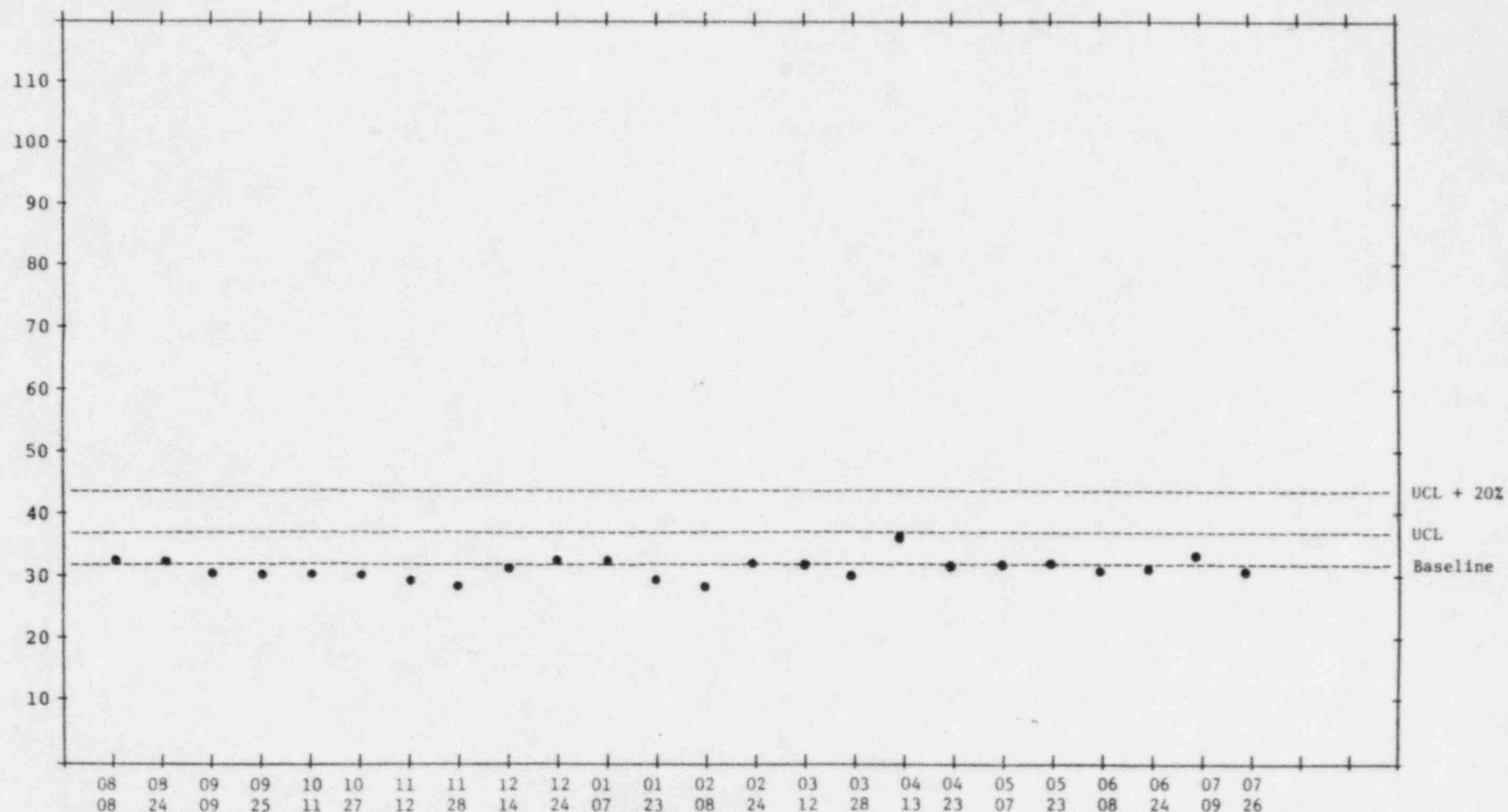
FIGURE NO. 34

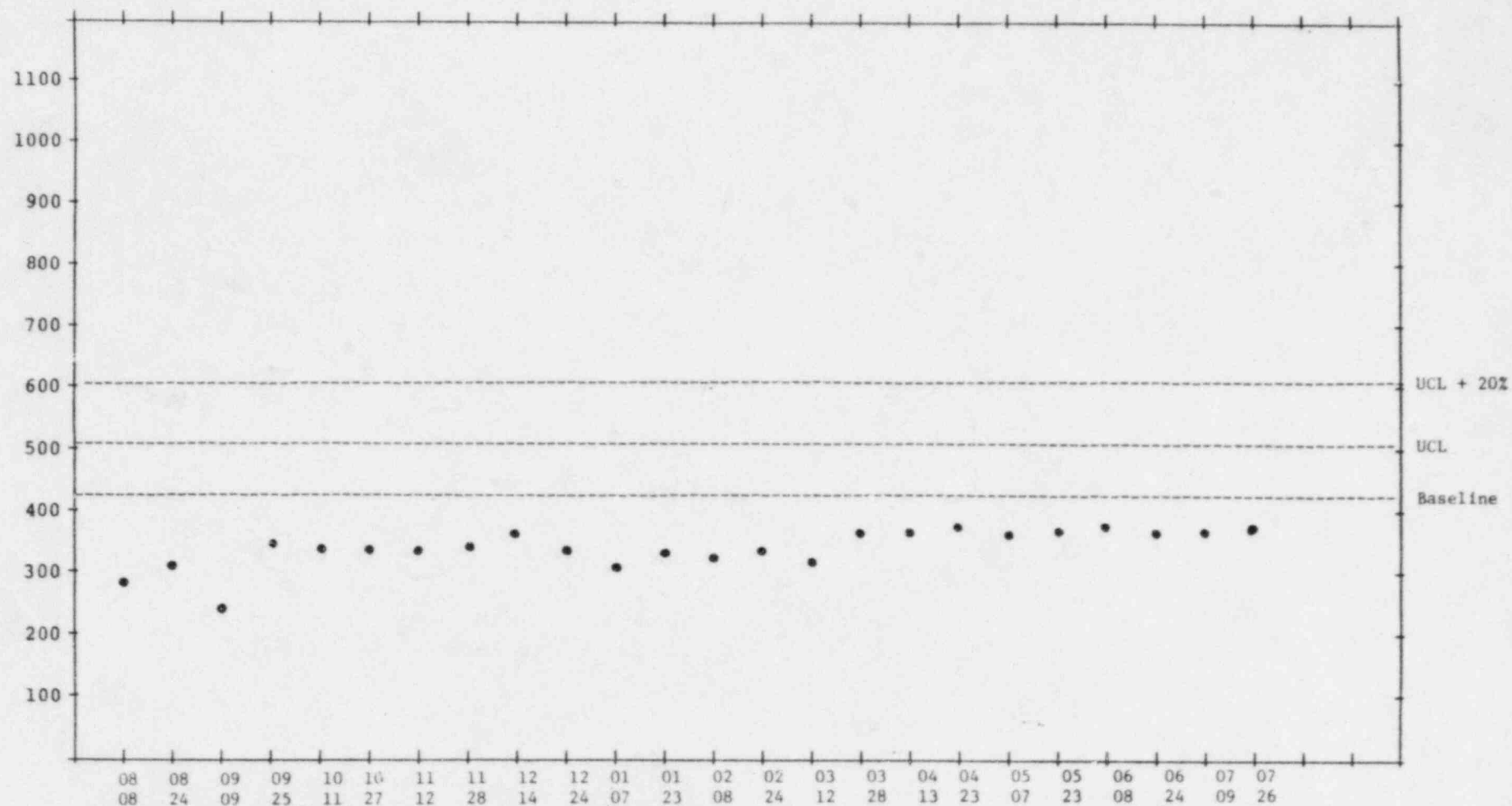
SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

PAGE 1 OF 1



FIGURE NO. 36SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)PAGE 1 OF 1

FIGURE NO. 37SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)PAGE 1 OF 1

FIGURE NO. 38SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)PAGE 1 OF 1

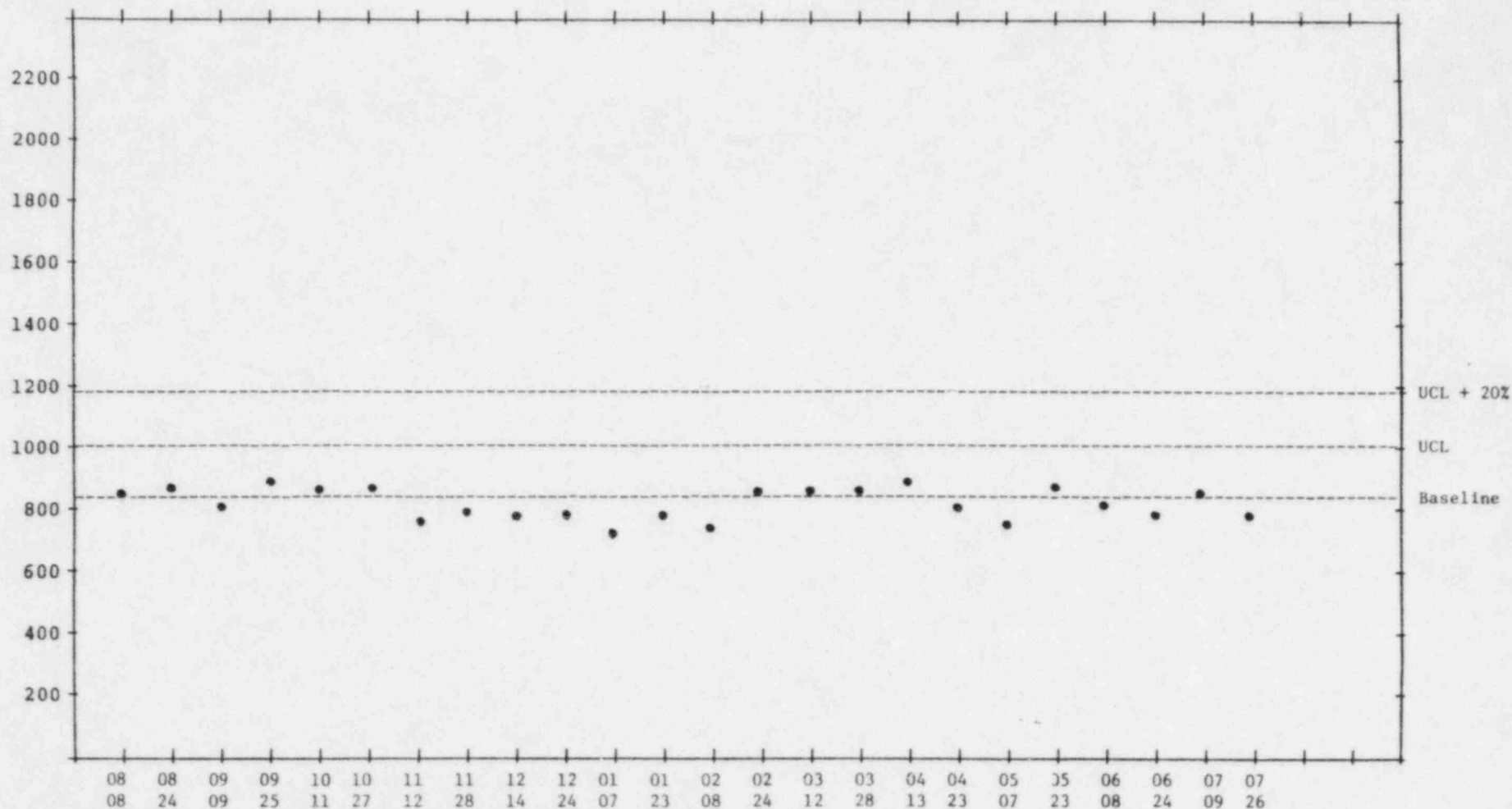
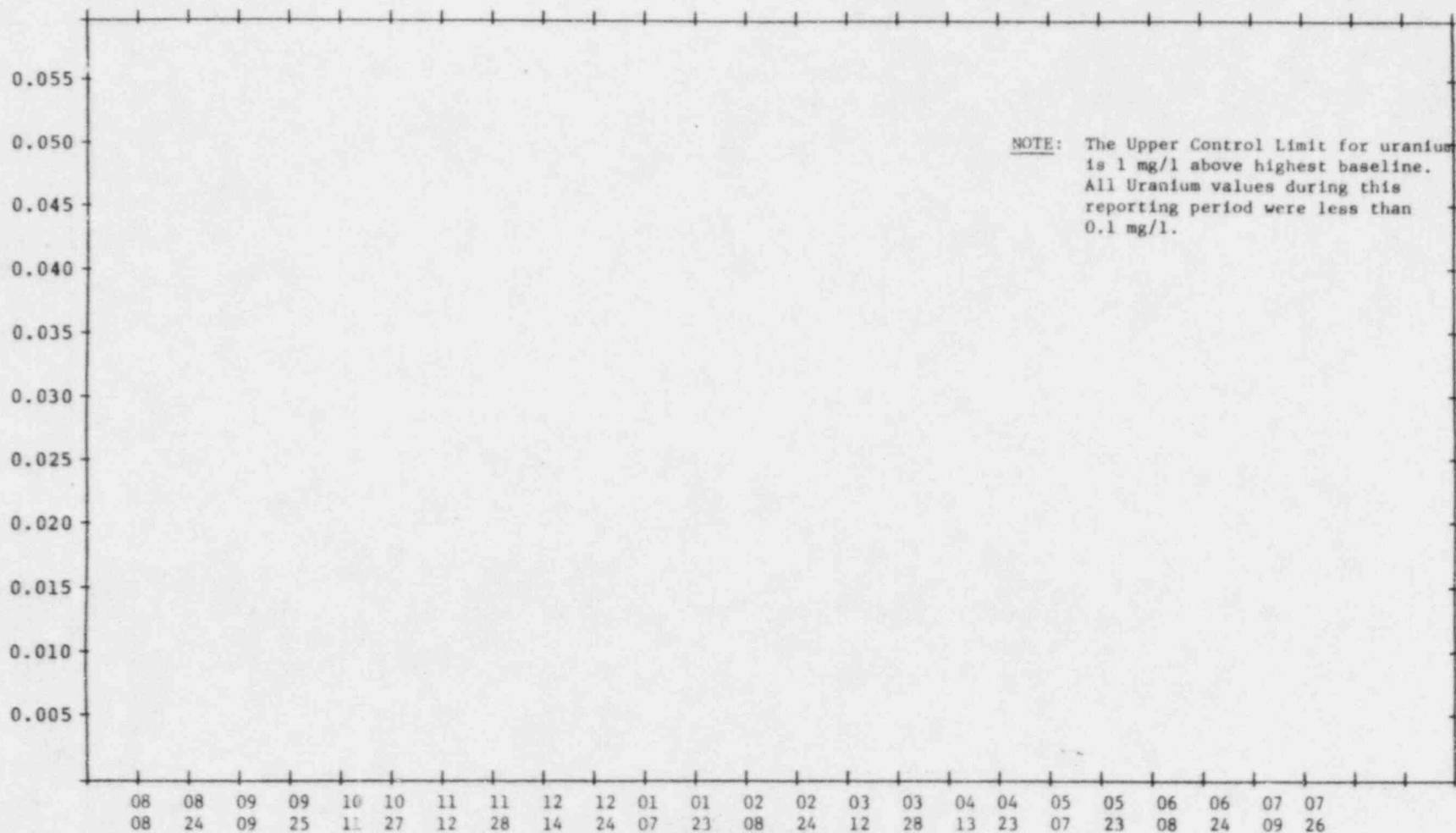
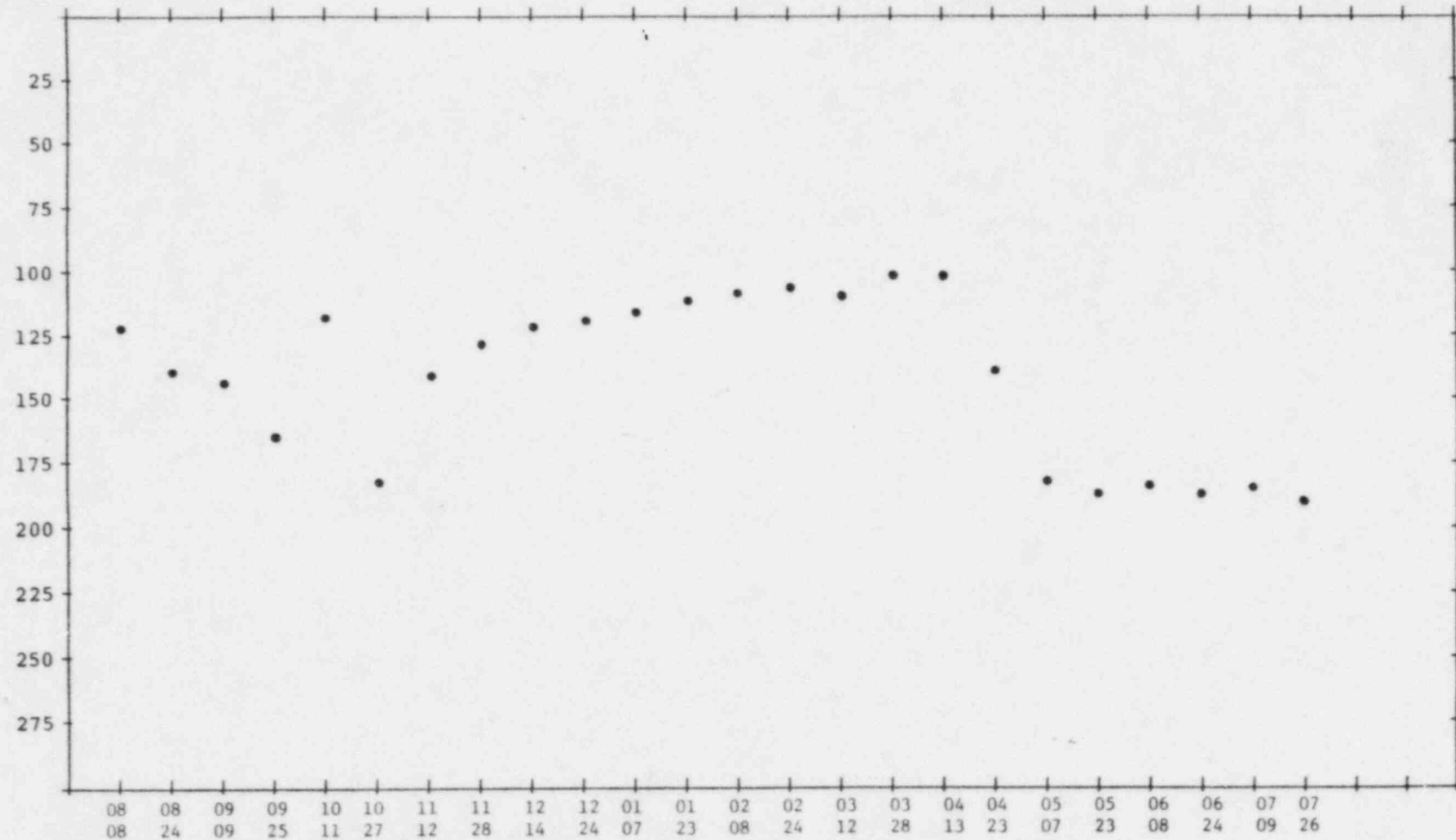
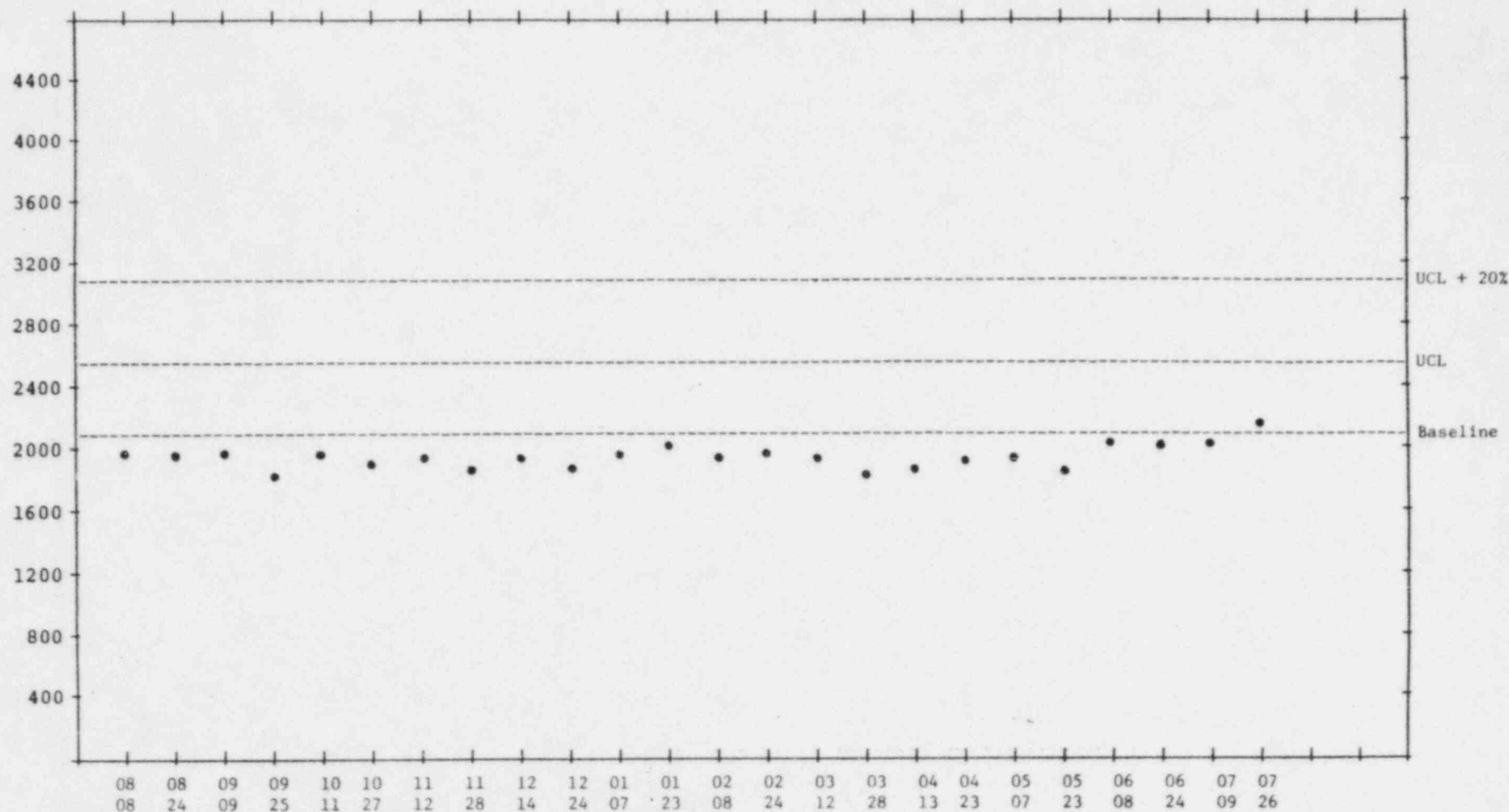


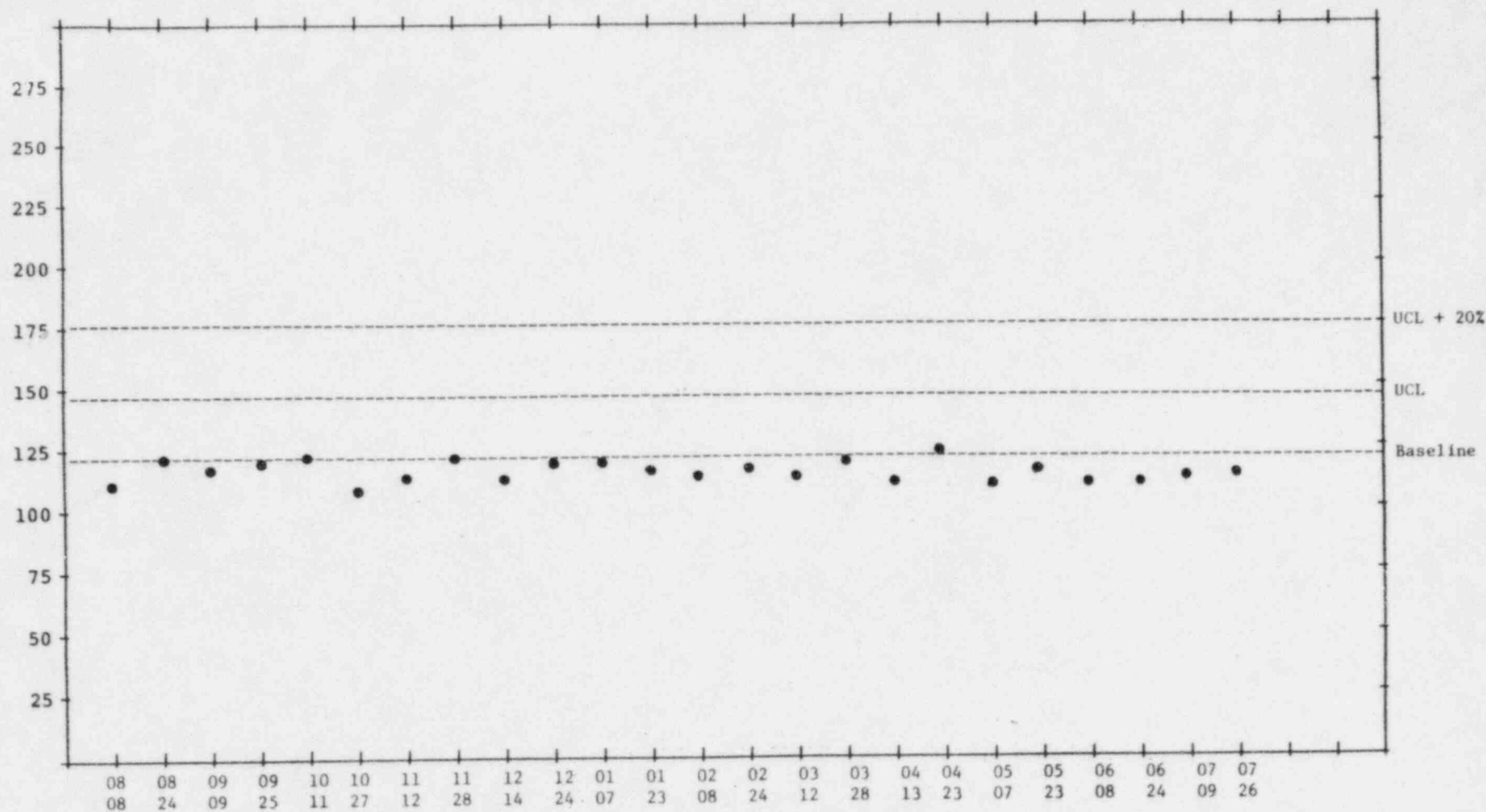
FIGURE NO. 39

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

FIGURE NO. 40SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)PAGE 1 OF 1



FIGURE NO. 42SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)PAGE 1 OF 1

FIGURE NO. 43SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)PAGE 1 OF 1

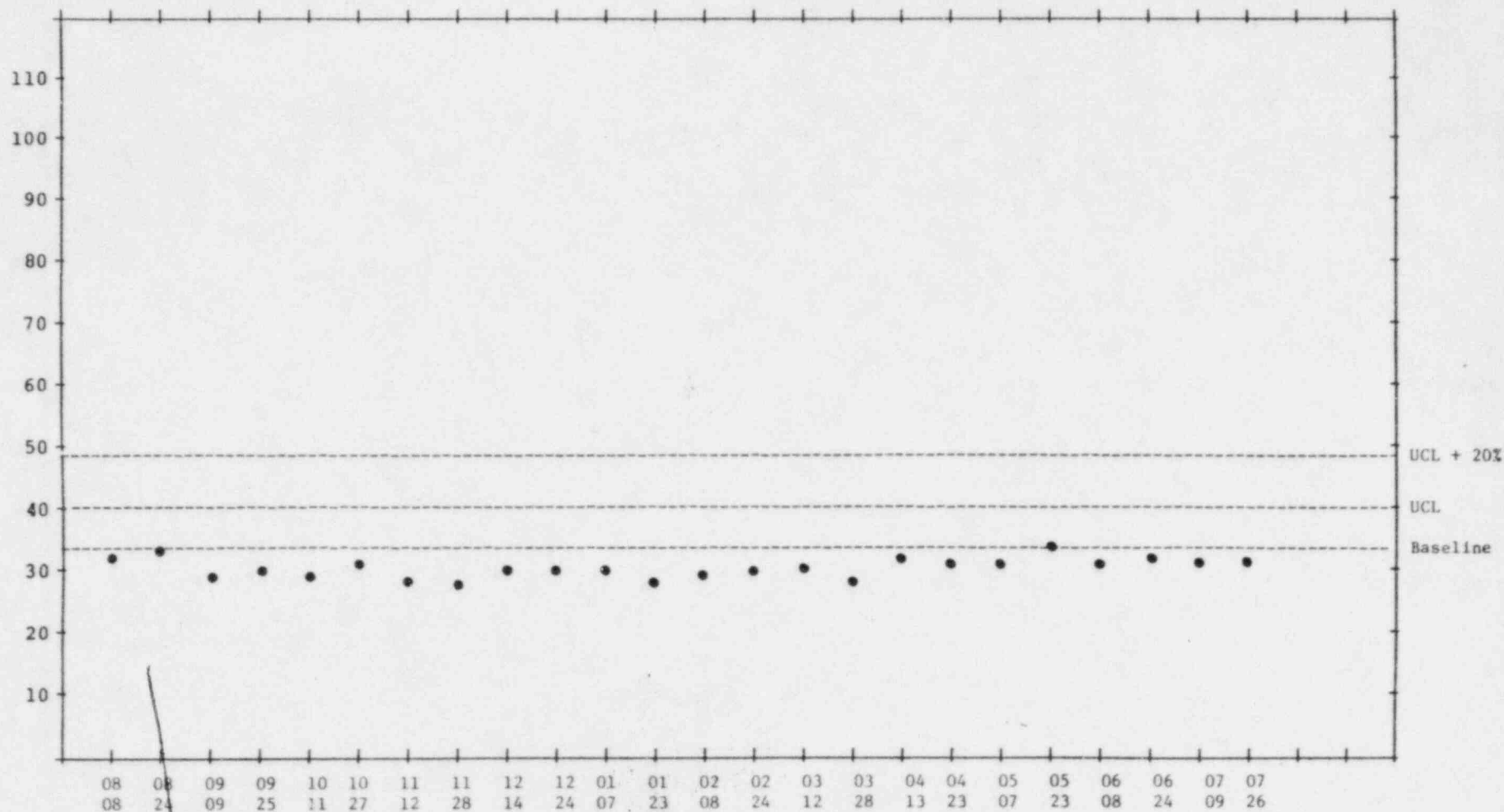


FIGURE NO. 44

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

PAGE 1 OF 1

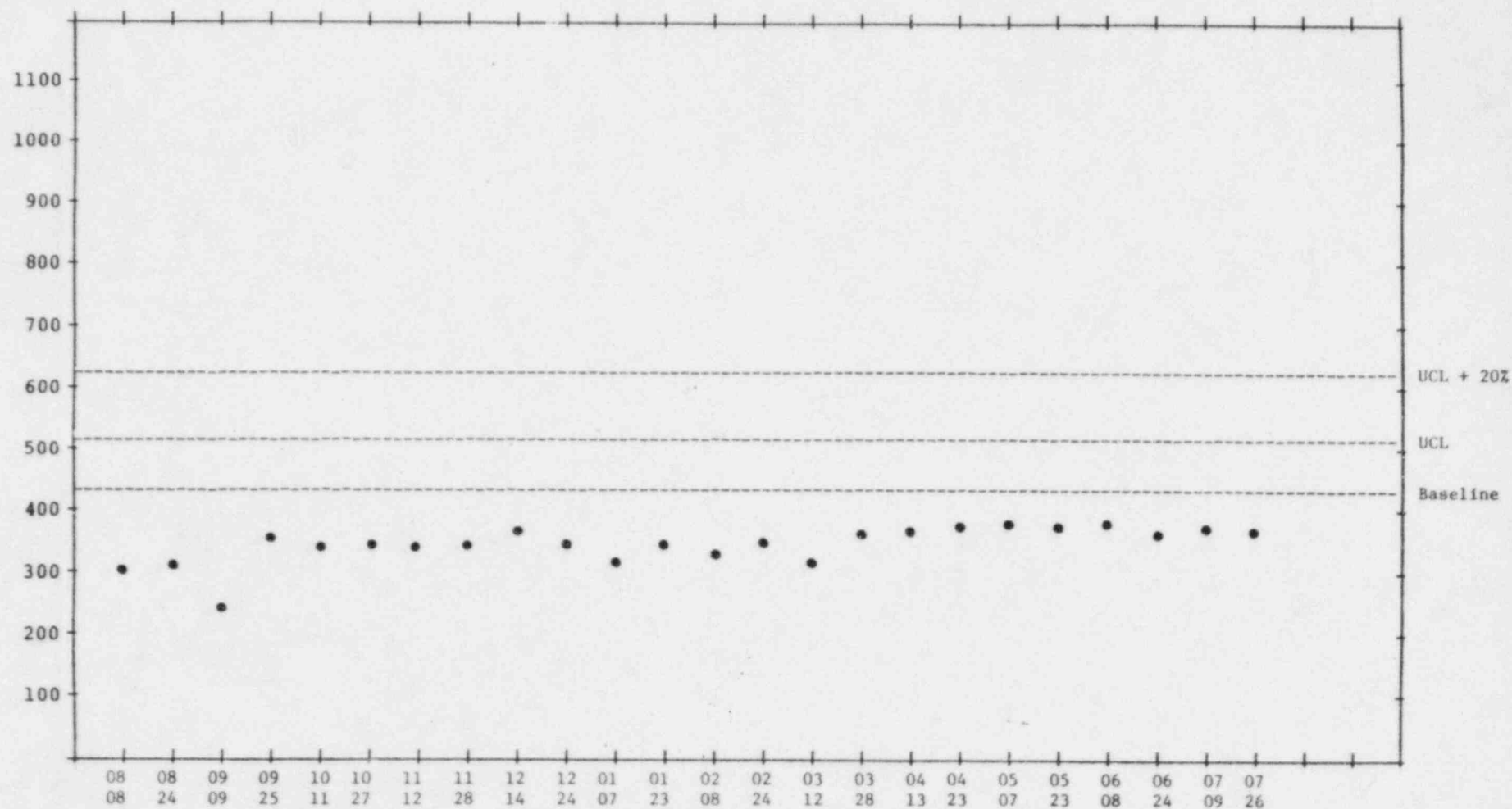
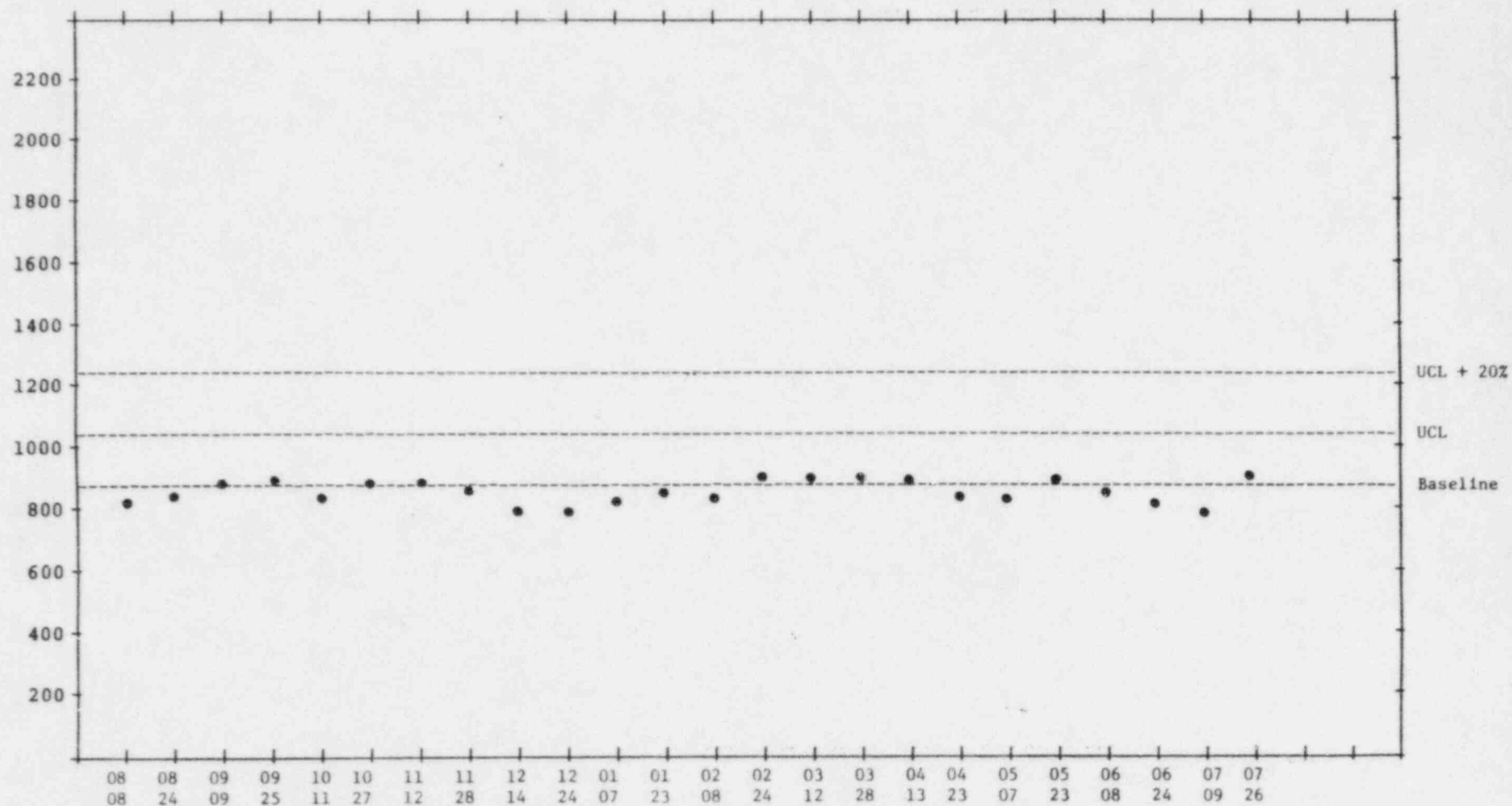
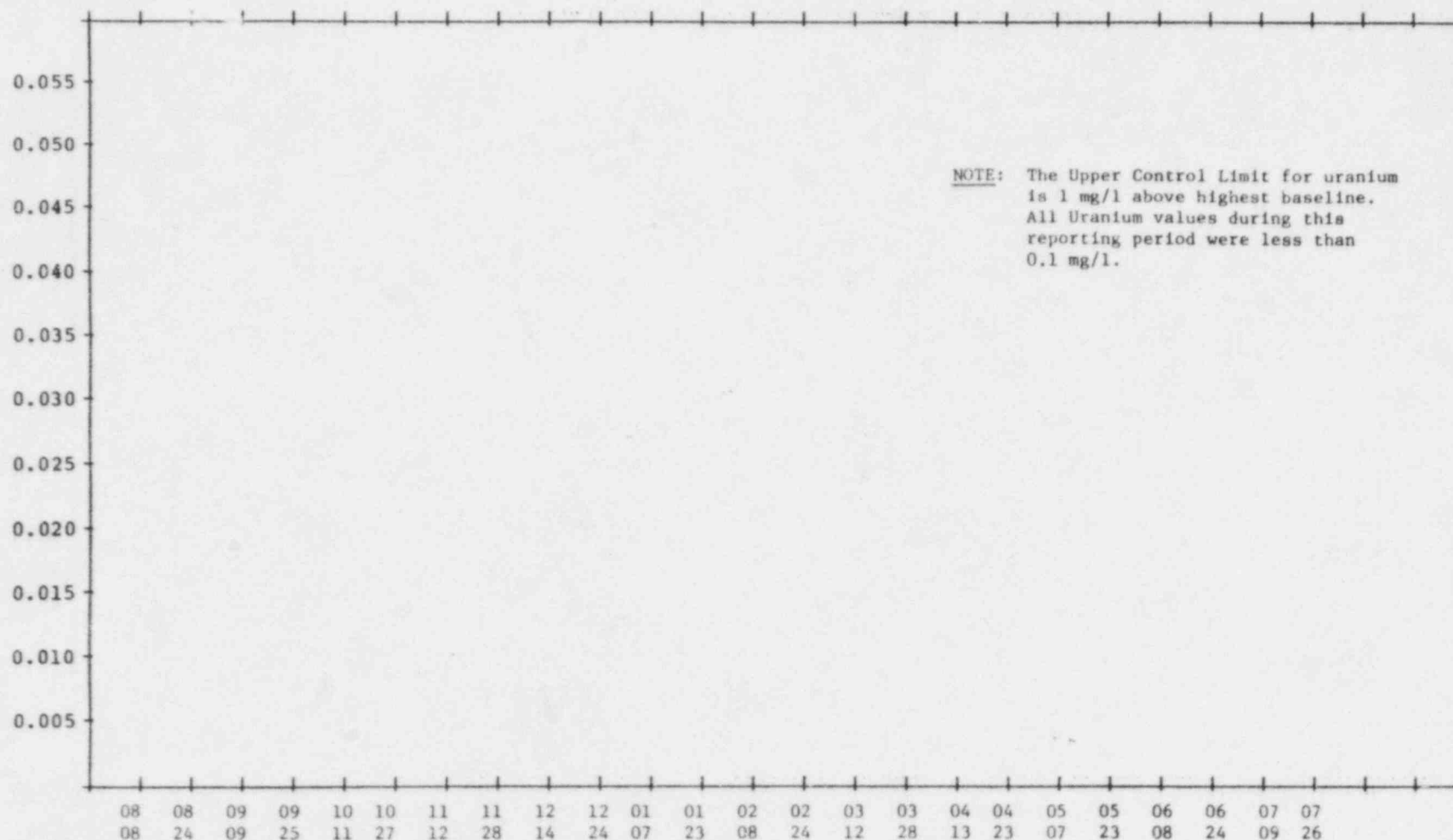


FIGURE NO. 45

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)





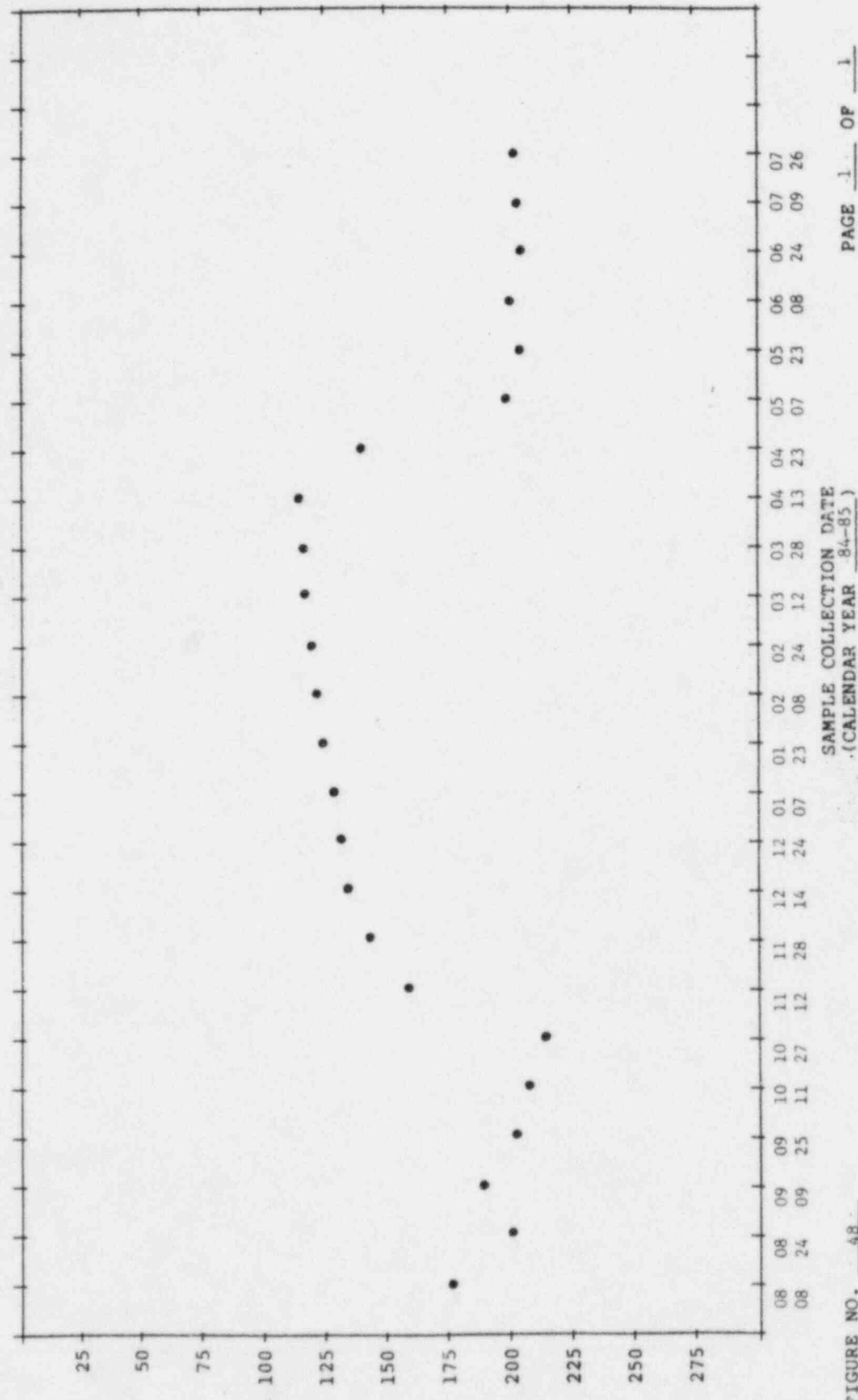


FIGURE NO. 48

MONITOR WELL NO. M-14

OGLE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: CONDUCTIVITY

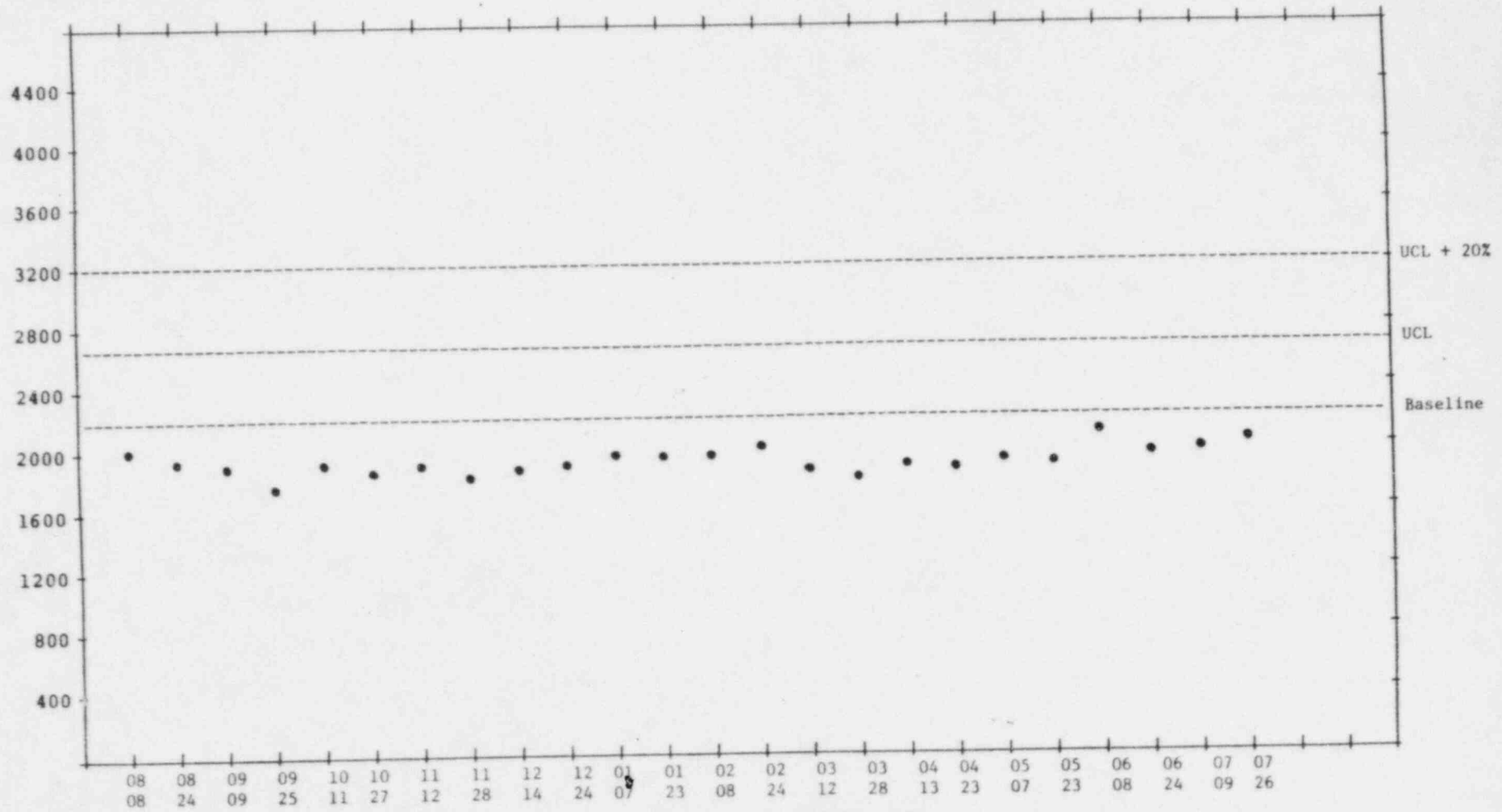


FIGURE NO. 49

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

PAGE 1 OF 1

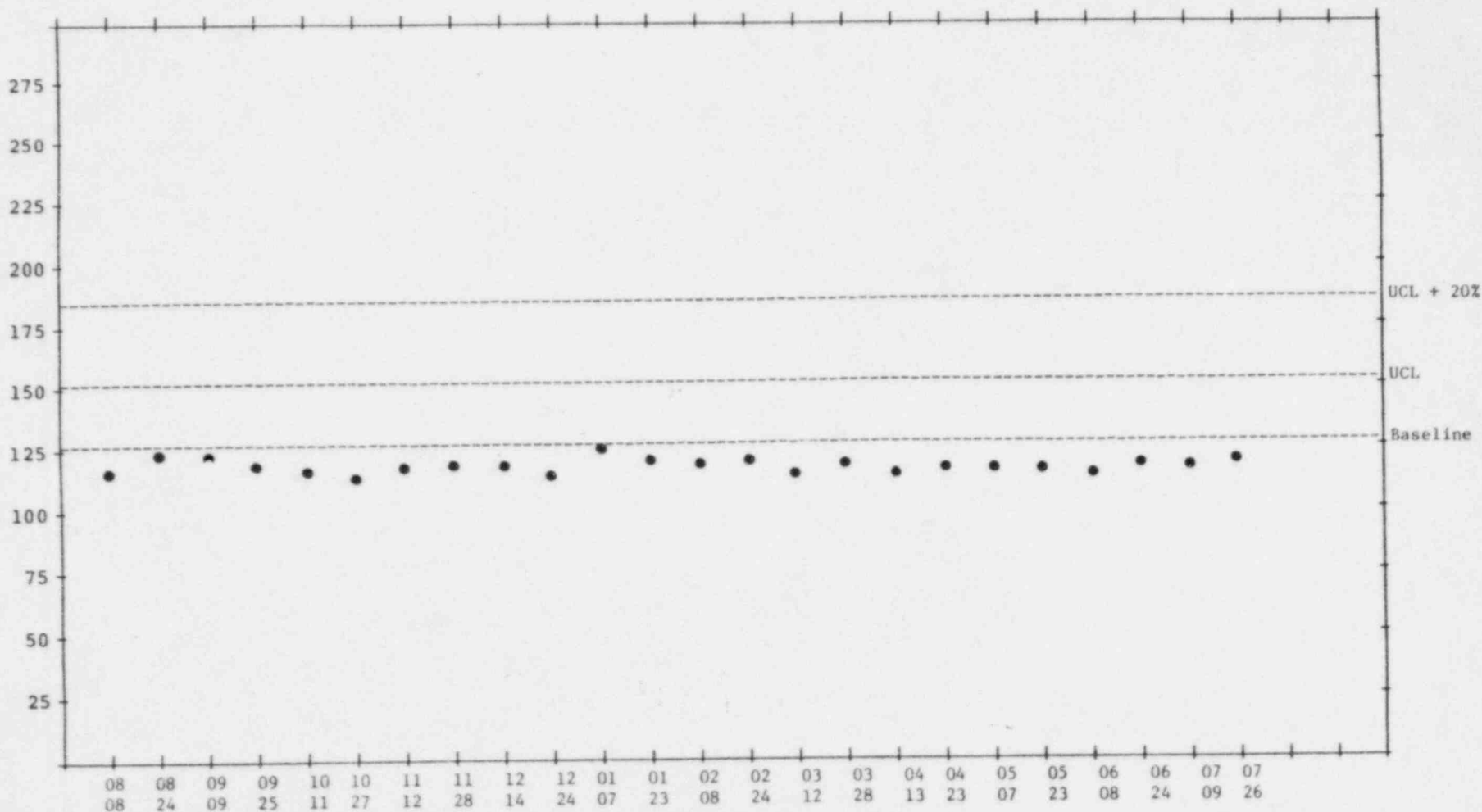


FIGURE NO. 50

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

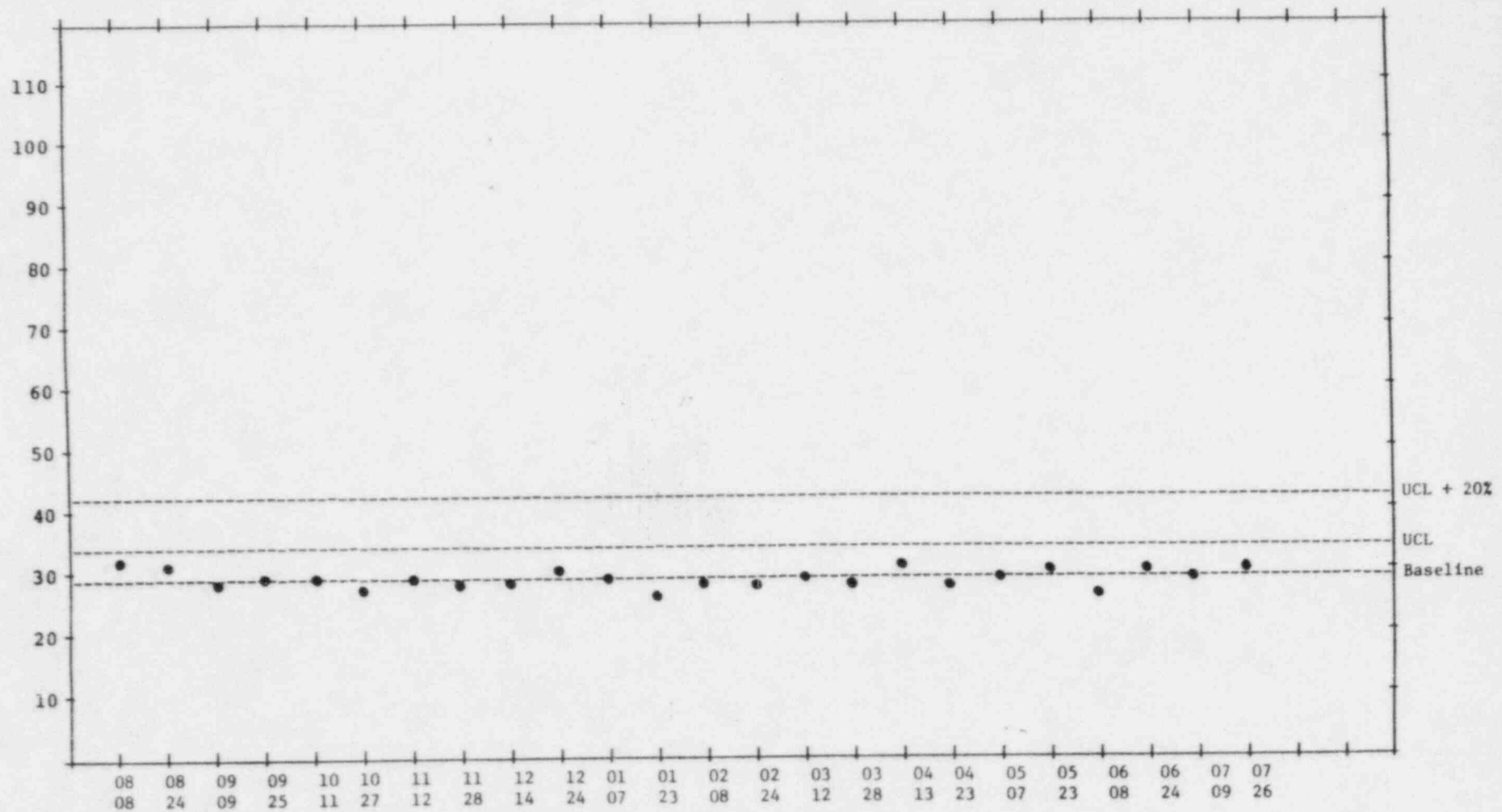
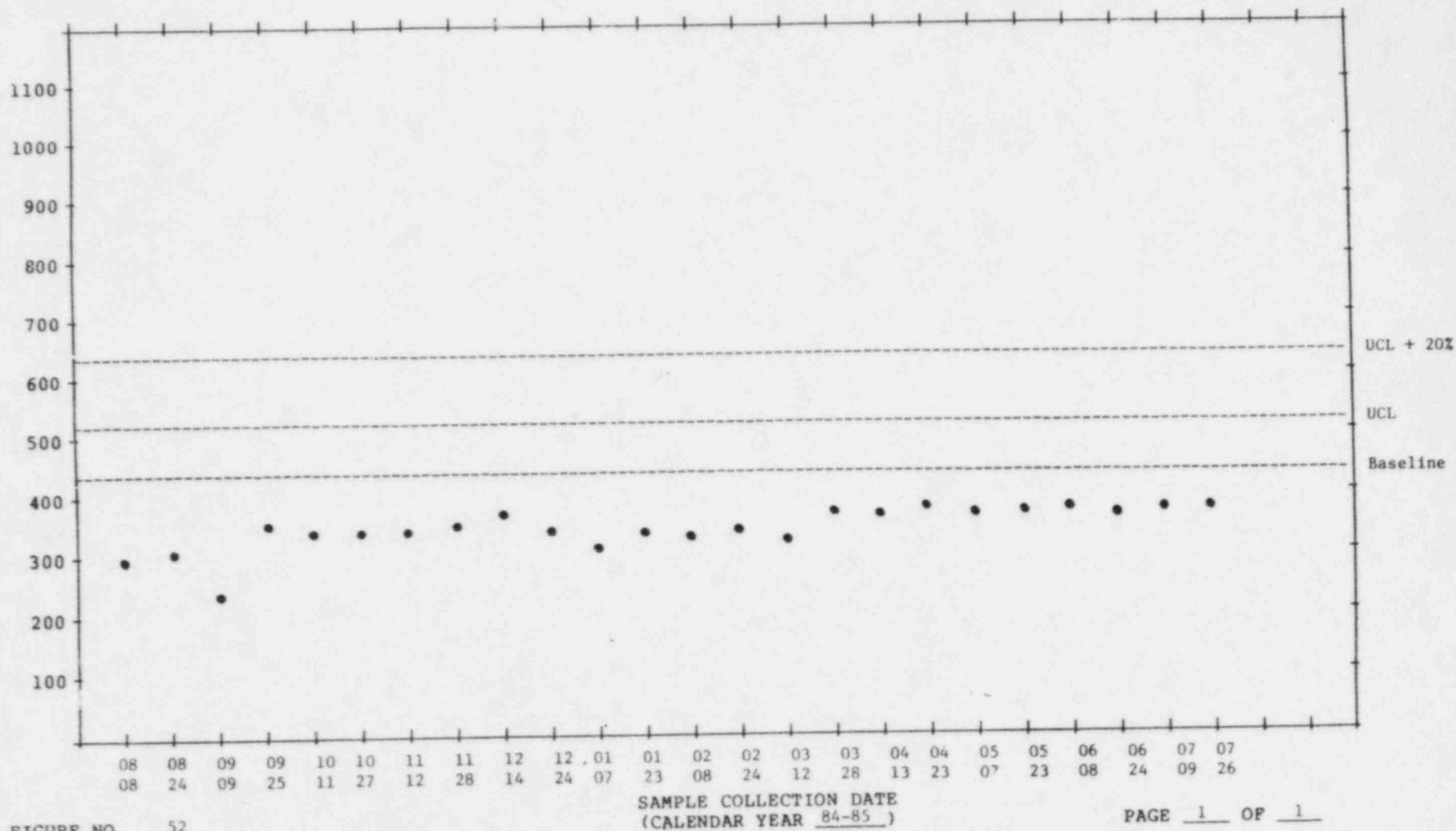


FIGURE NO. 51

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)



MONITOR WELL NO. M-14

OGLE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: SULFATE

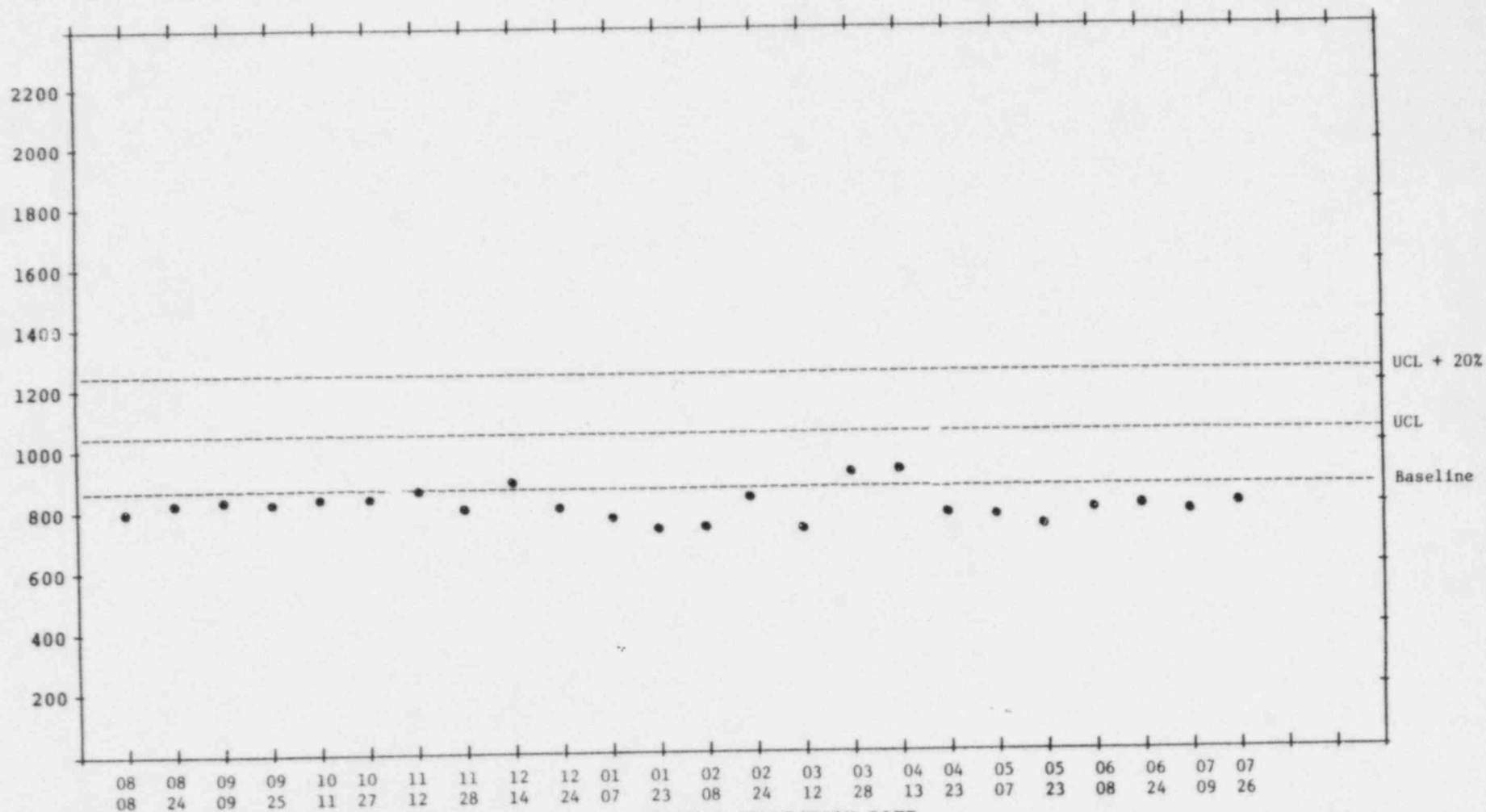
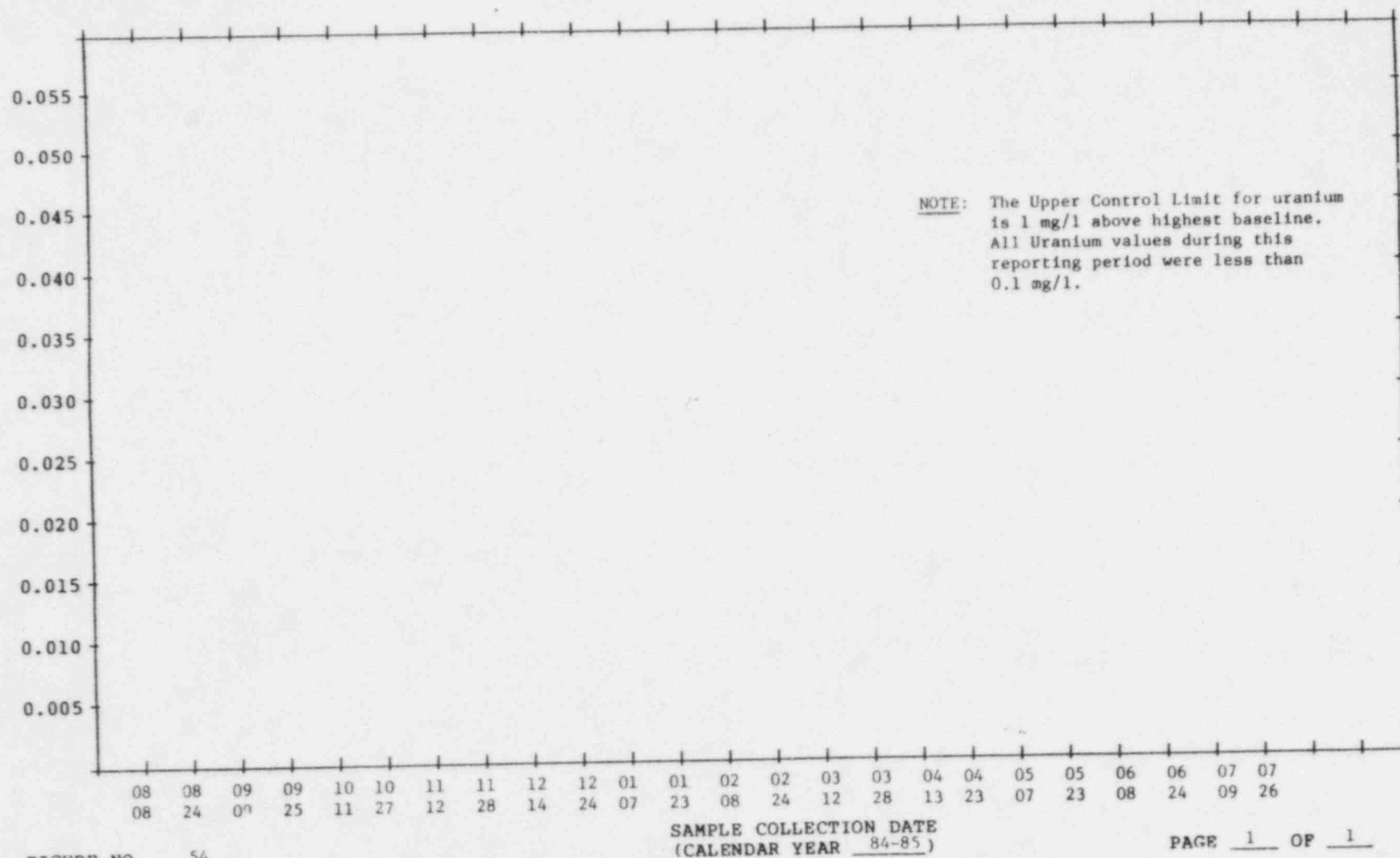


FIGURE NO. 53

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

PAGE 1 OF 1



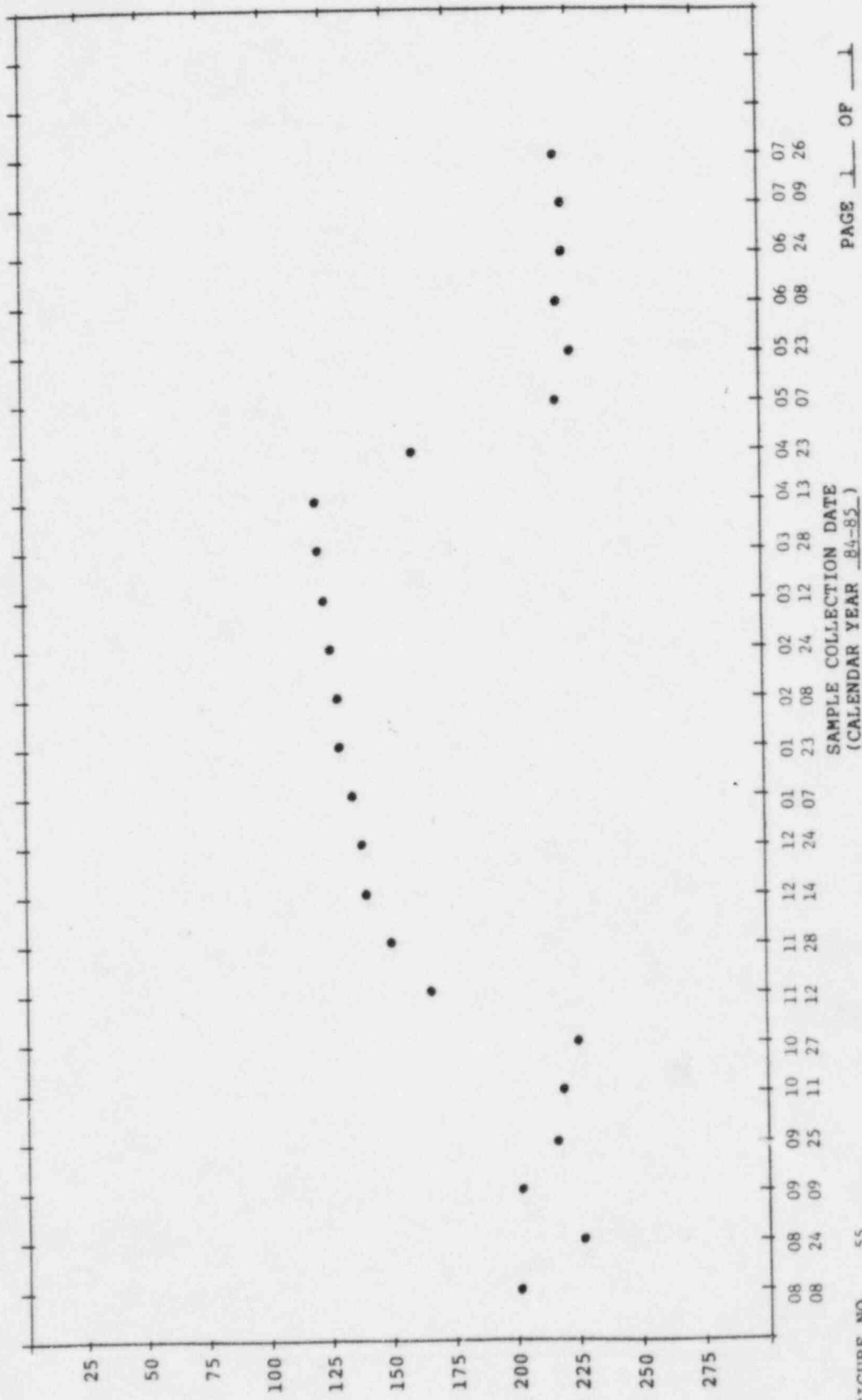


FIGURE NO. 55

MONITOR WELL NO. M-15

OGLE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: CONDUCTIVITY

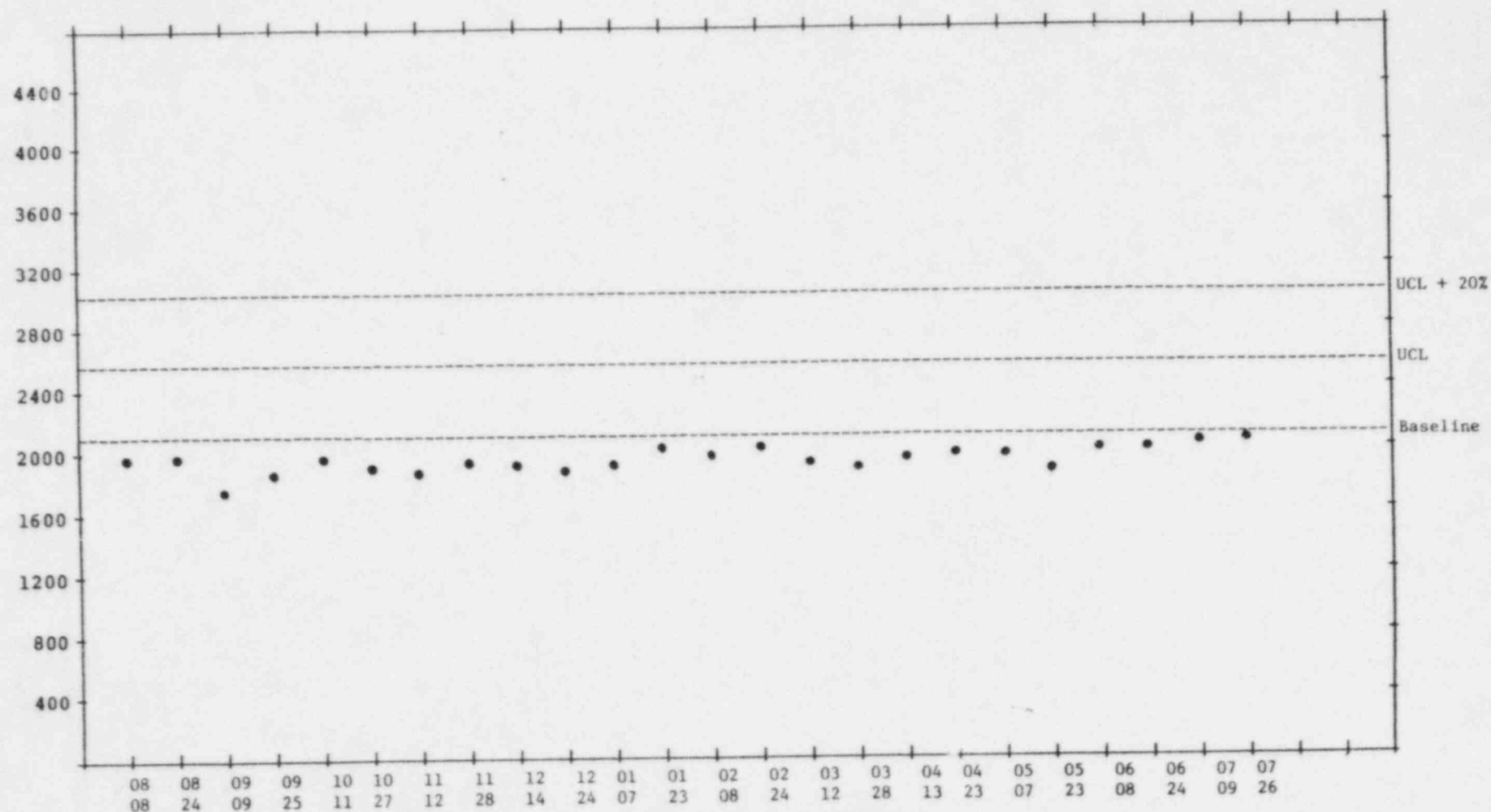
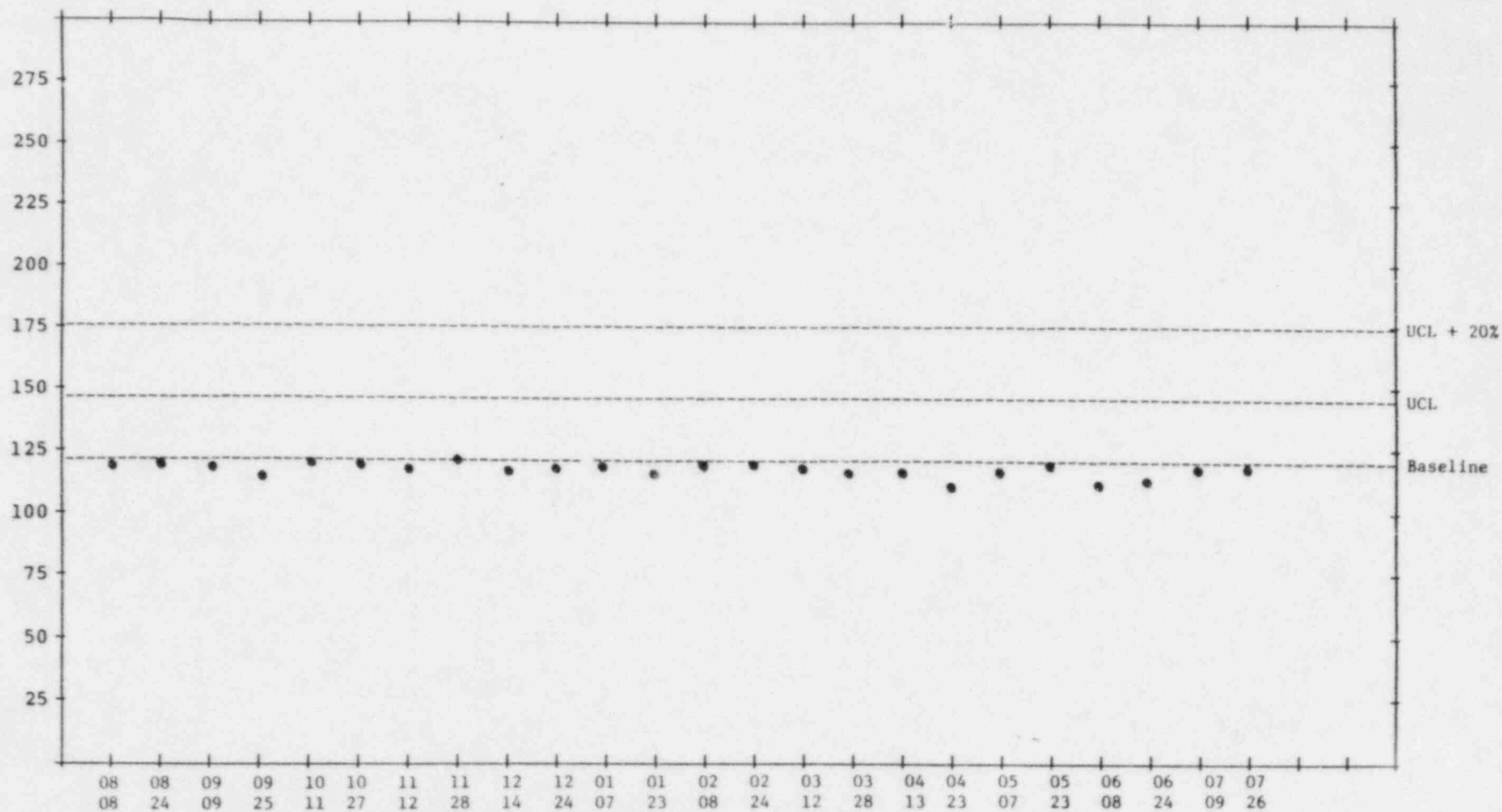
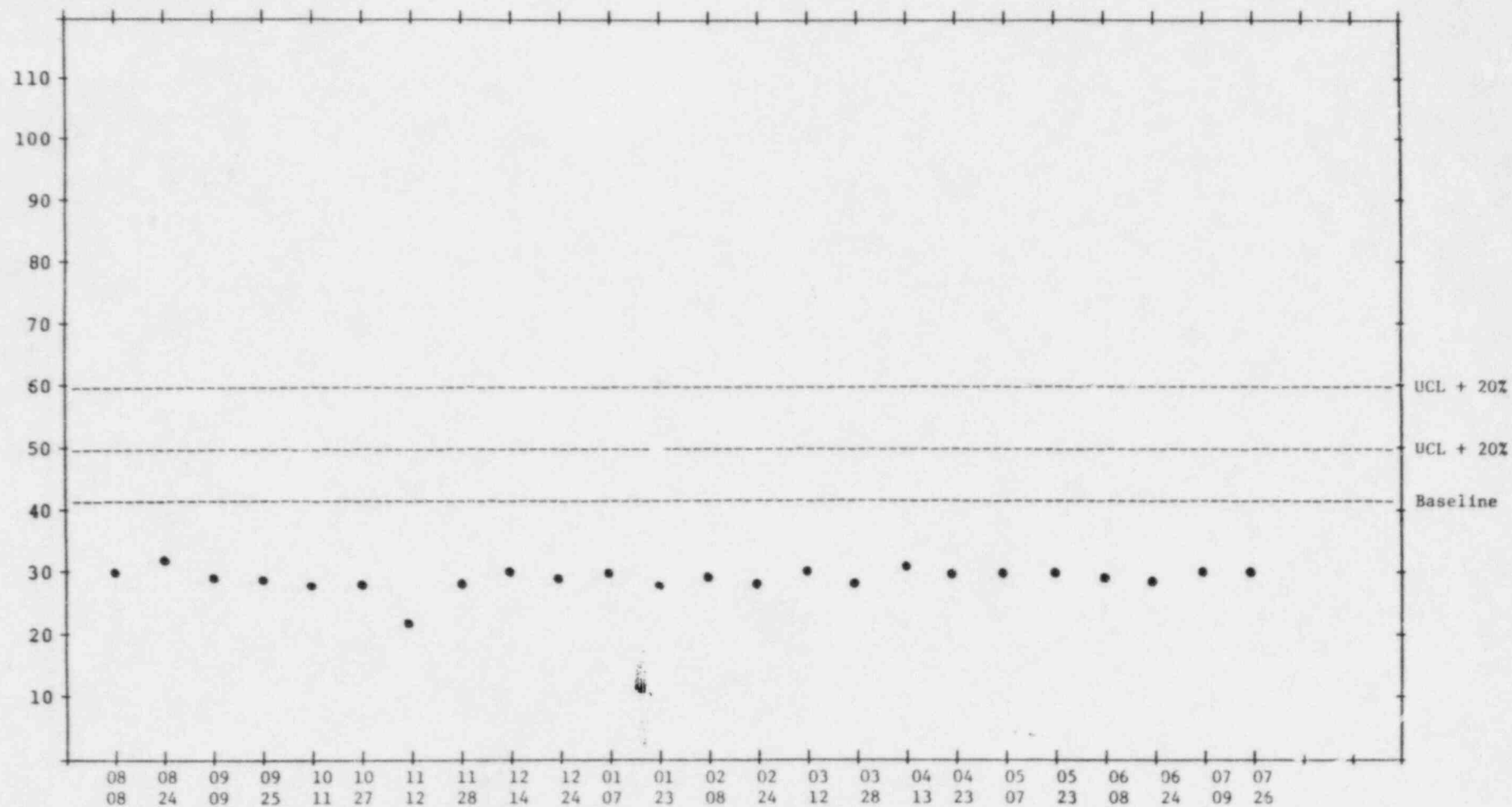


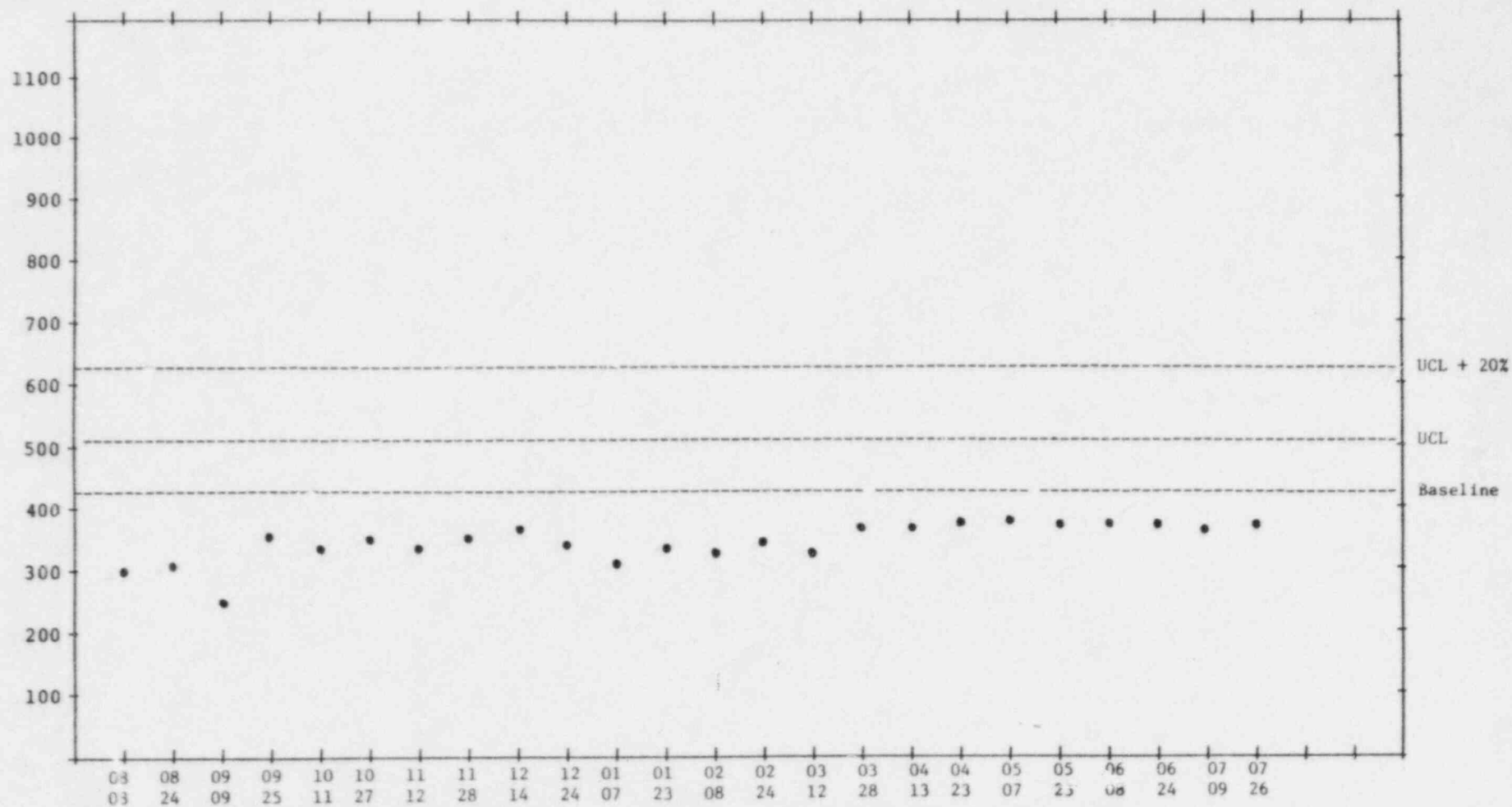
FIGURE NO. 56

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

PAGE 1 OF 1

FIGURE NO. 57SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)PAGE 1 OF 1

FIGURE NO. 58SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)PAGE 1 OF 1

FIGURE NO. 59SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)PAGE 1 OF 1

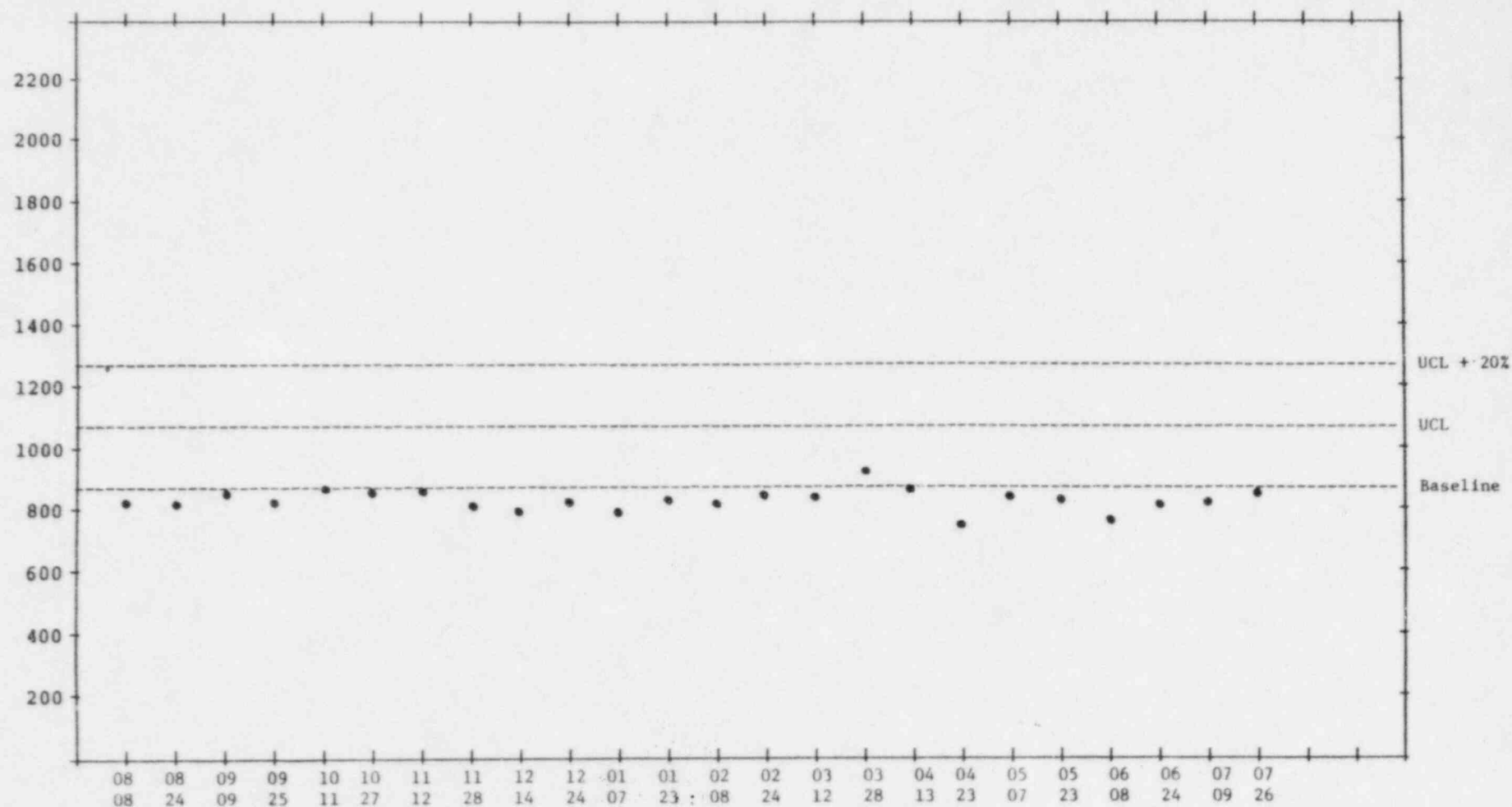
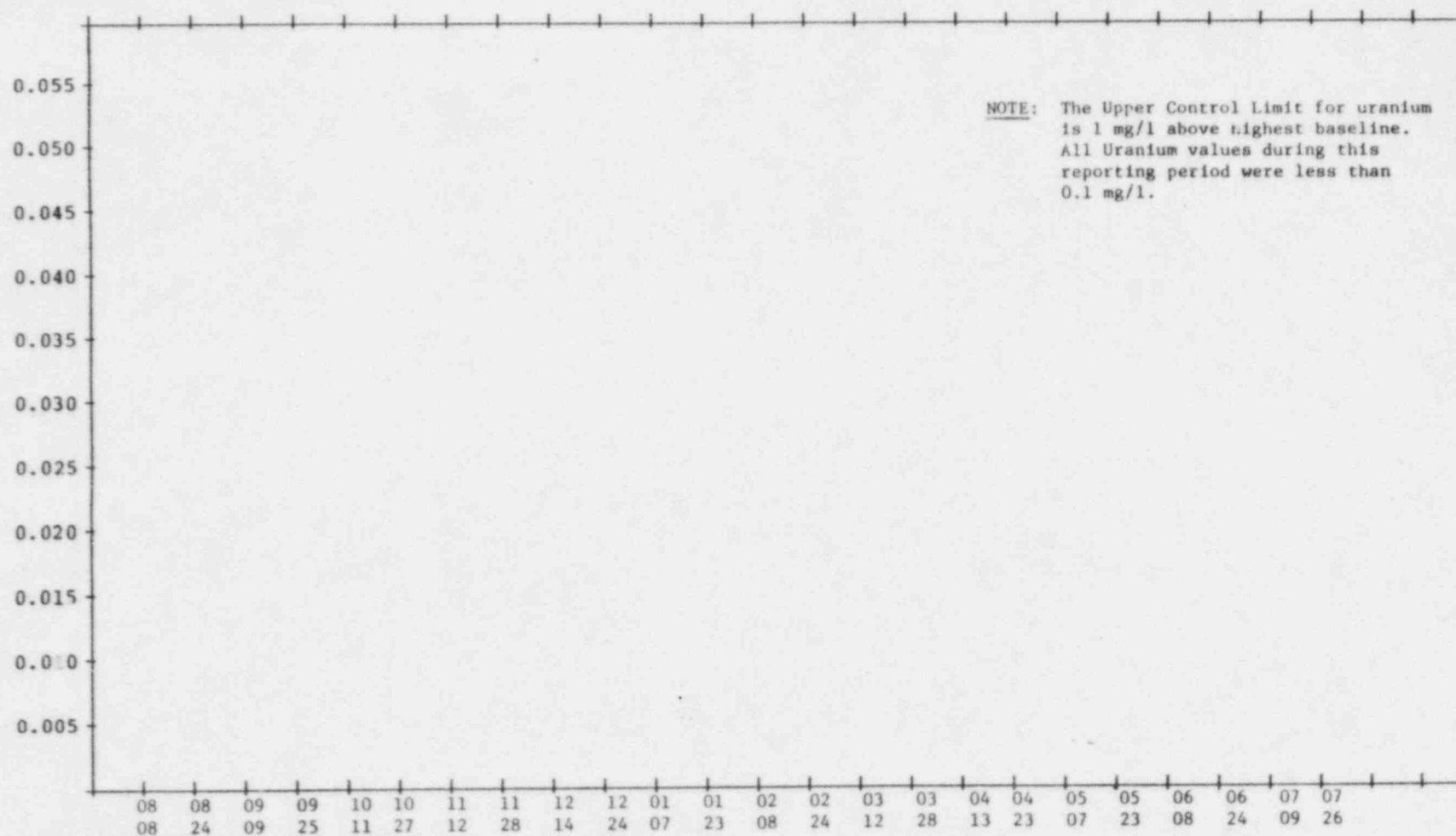
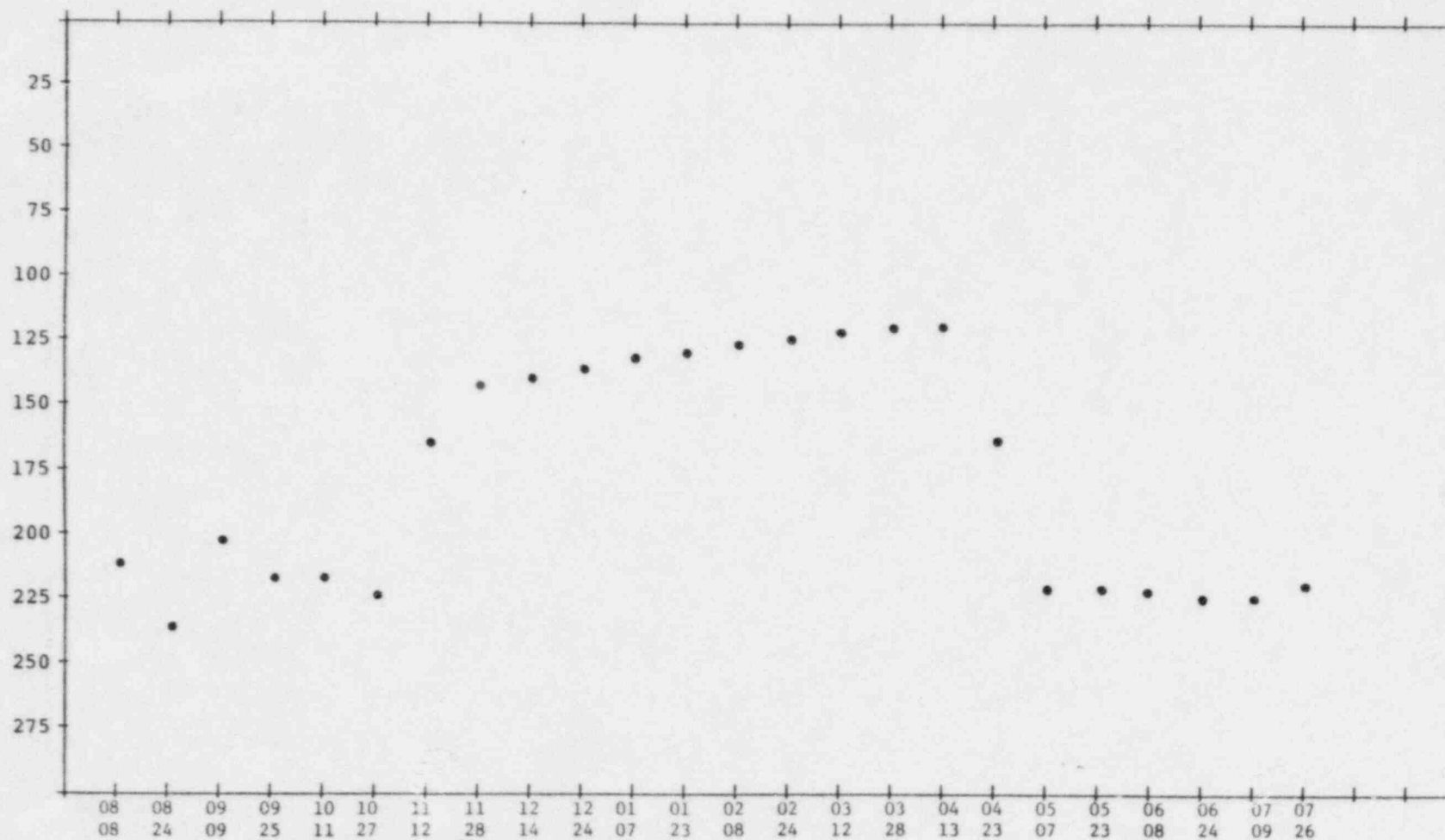
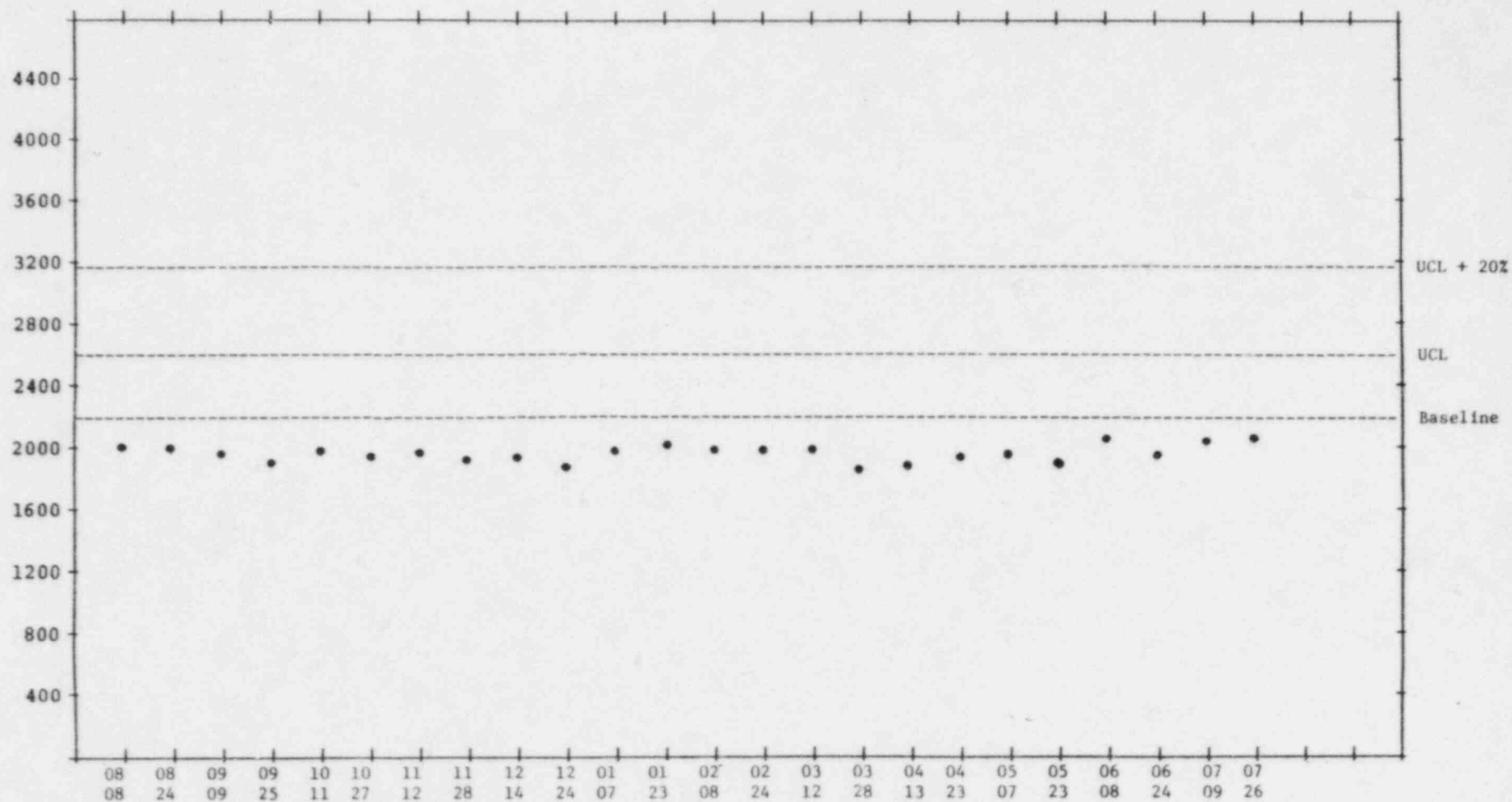


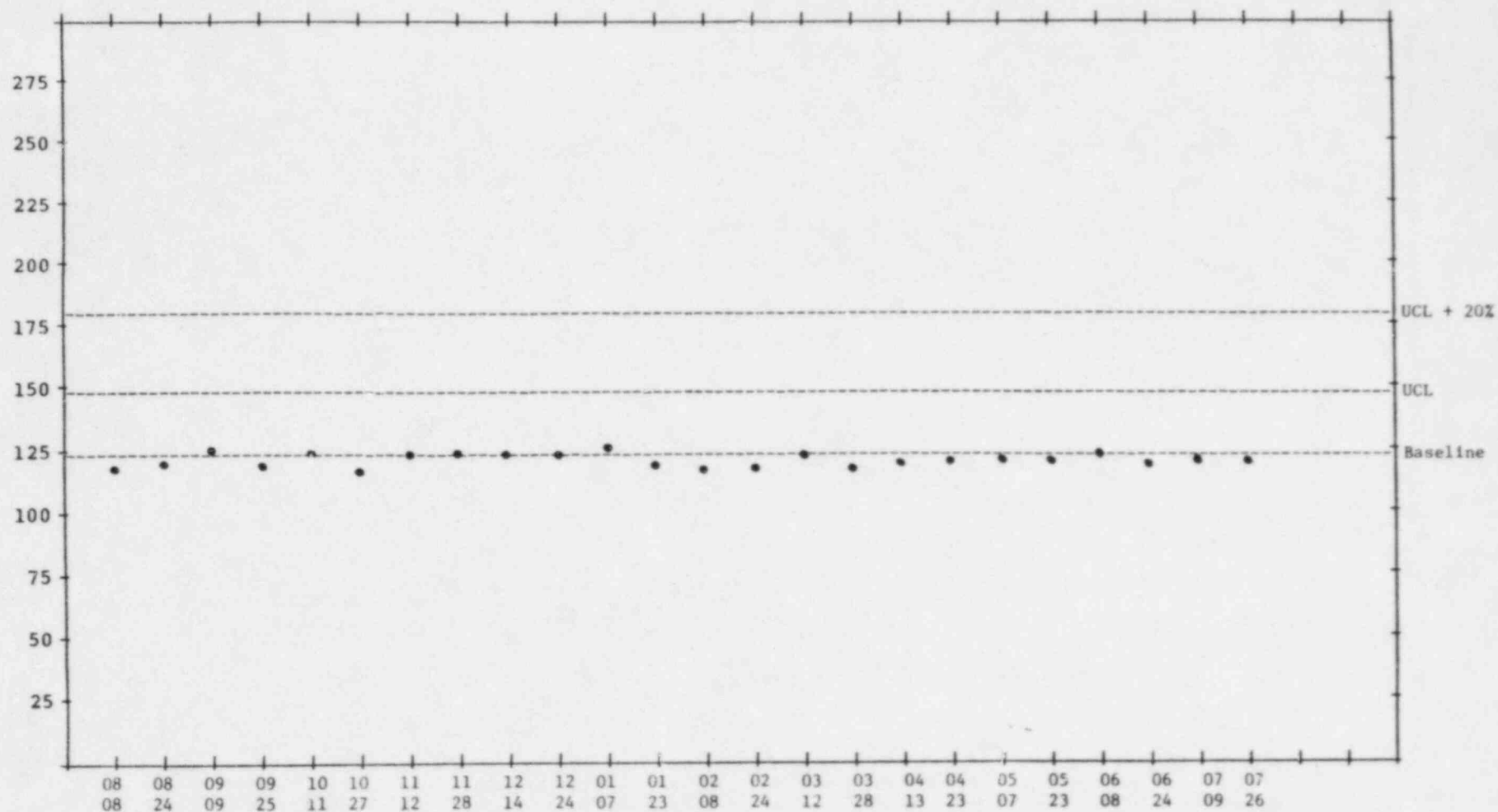
FIGURE NO. 60

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)



FIGURE NO. 62SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)PAGE 1 OF 1



FIGURE NO. 64SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)PAGE 1 OF 1

MONITOR WELL NO. M-16

OGLE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: CHLORIDE

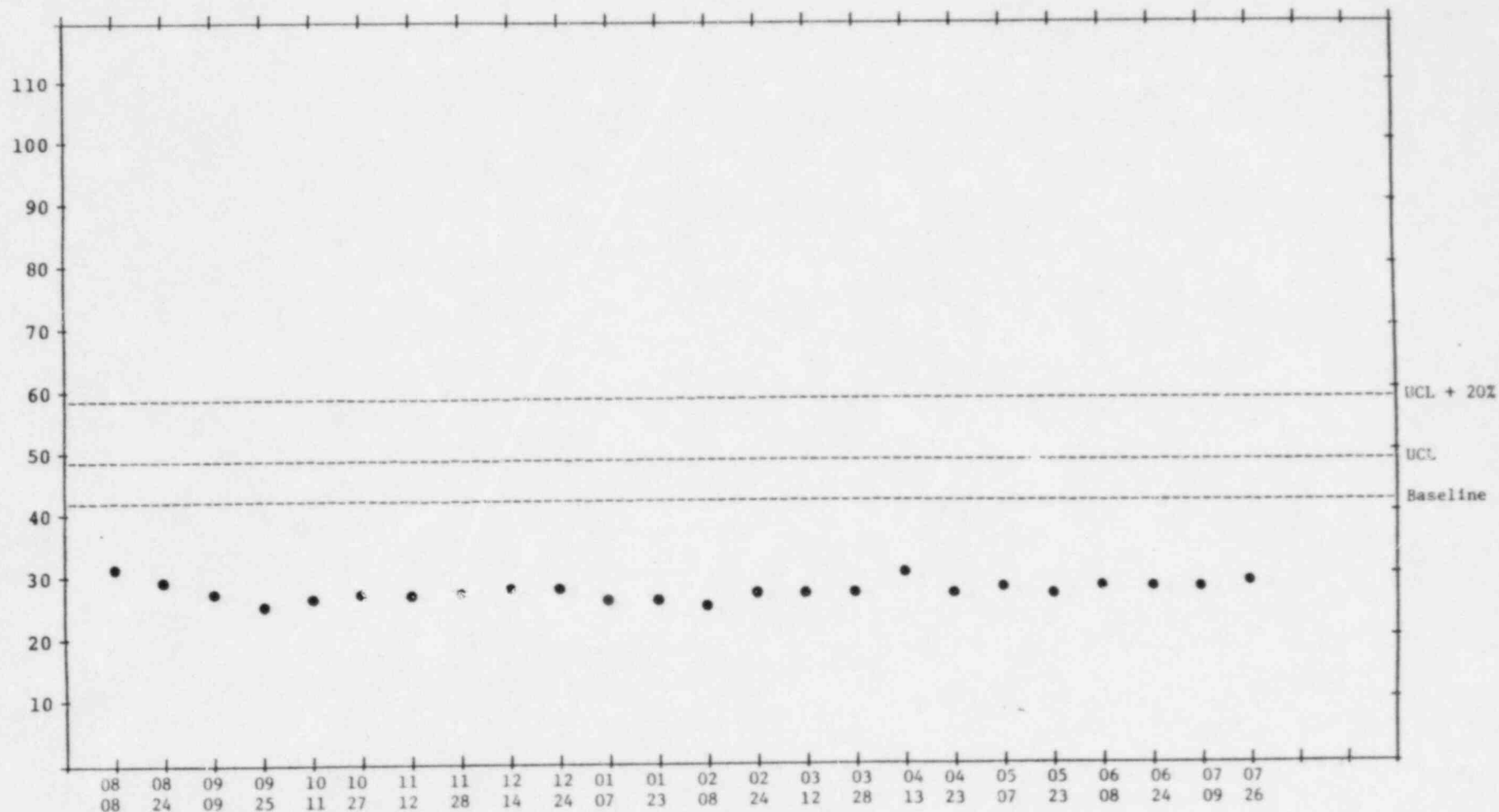
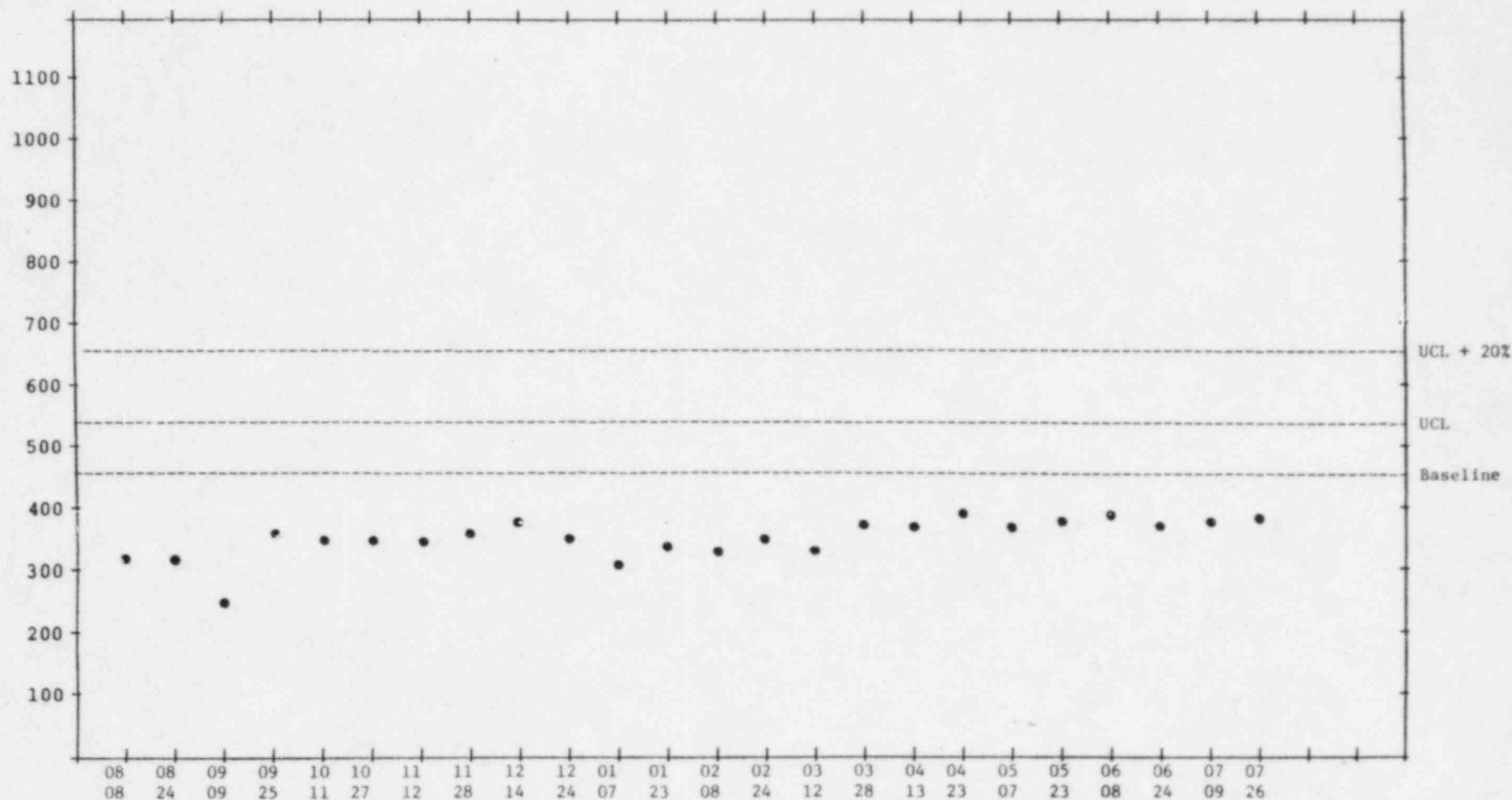


FIGURE NO. 65

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

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FIGURE NO. 66SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)PAGE 1 OF 1

MONITOR WELL NO. M-16

OGLE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: SULFATE

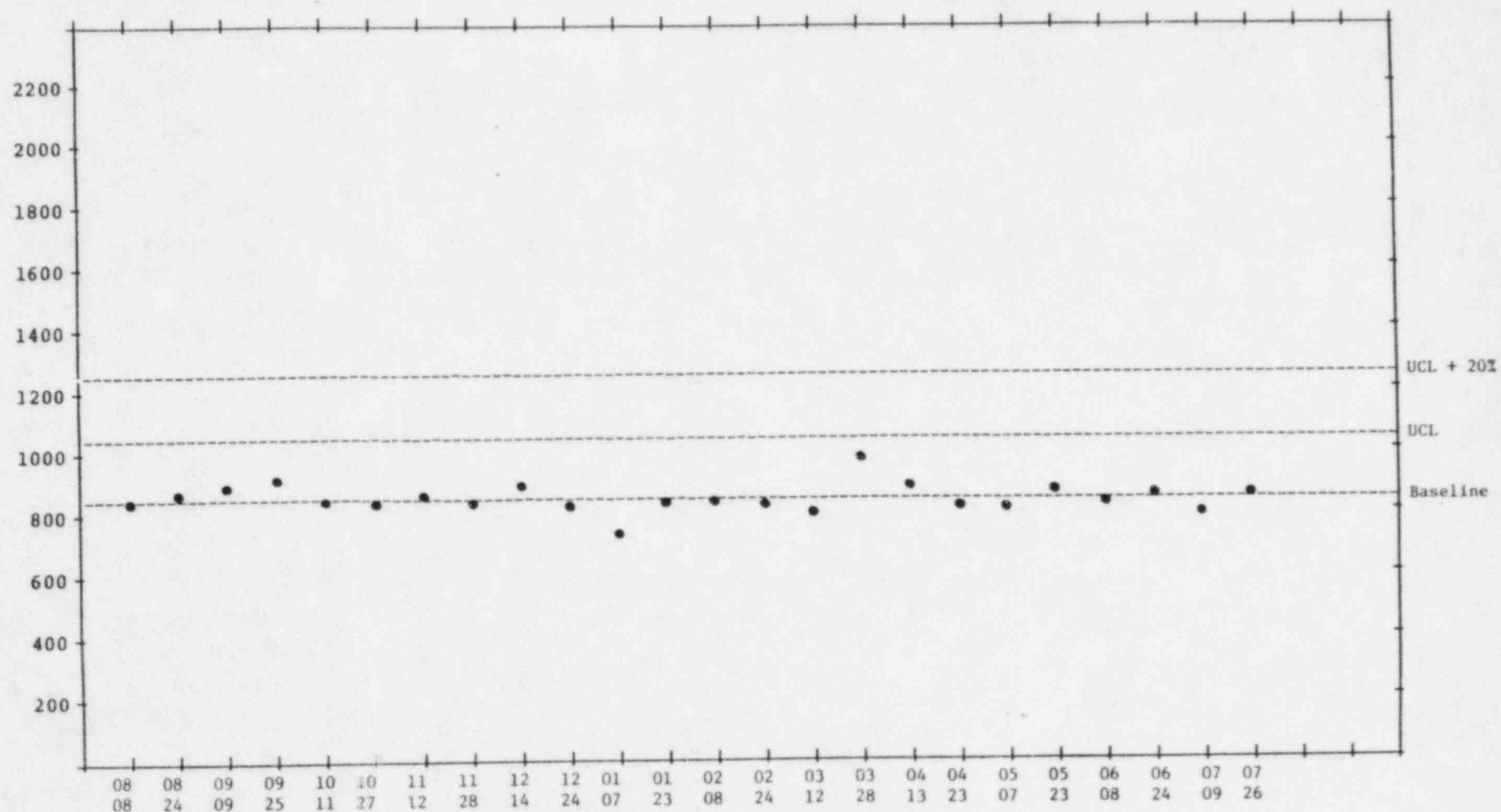
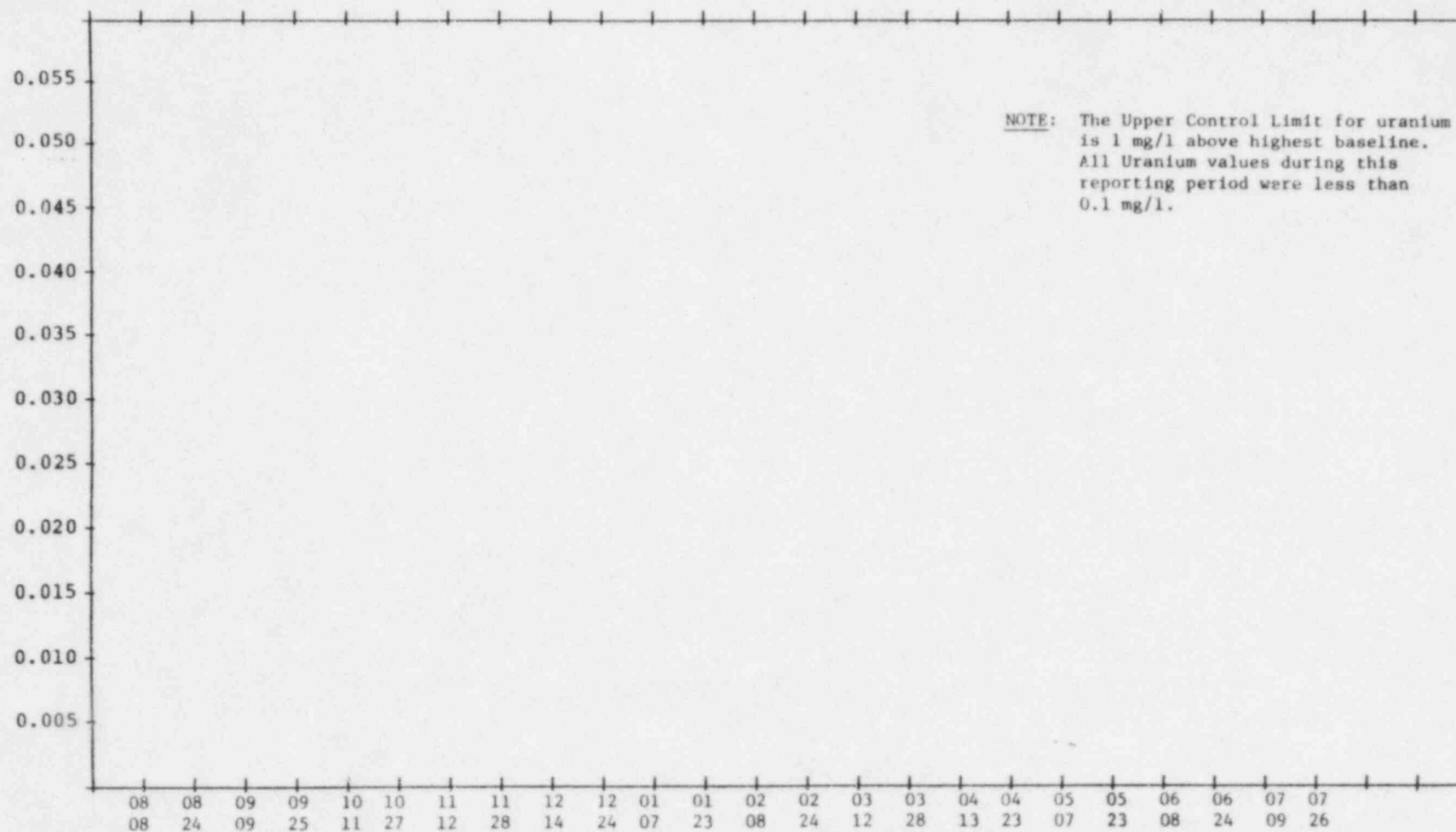
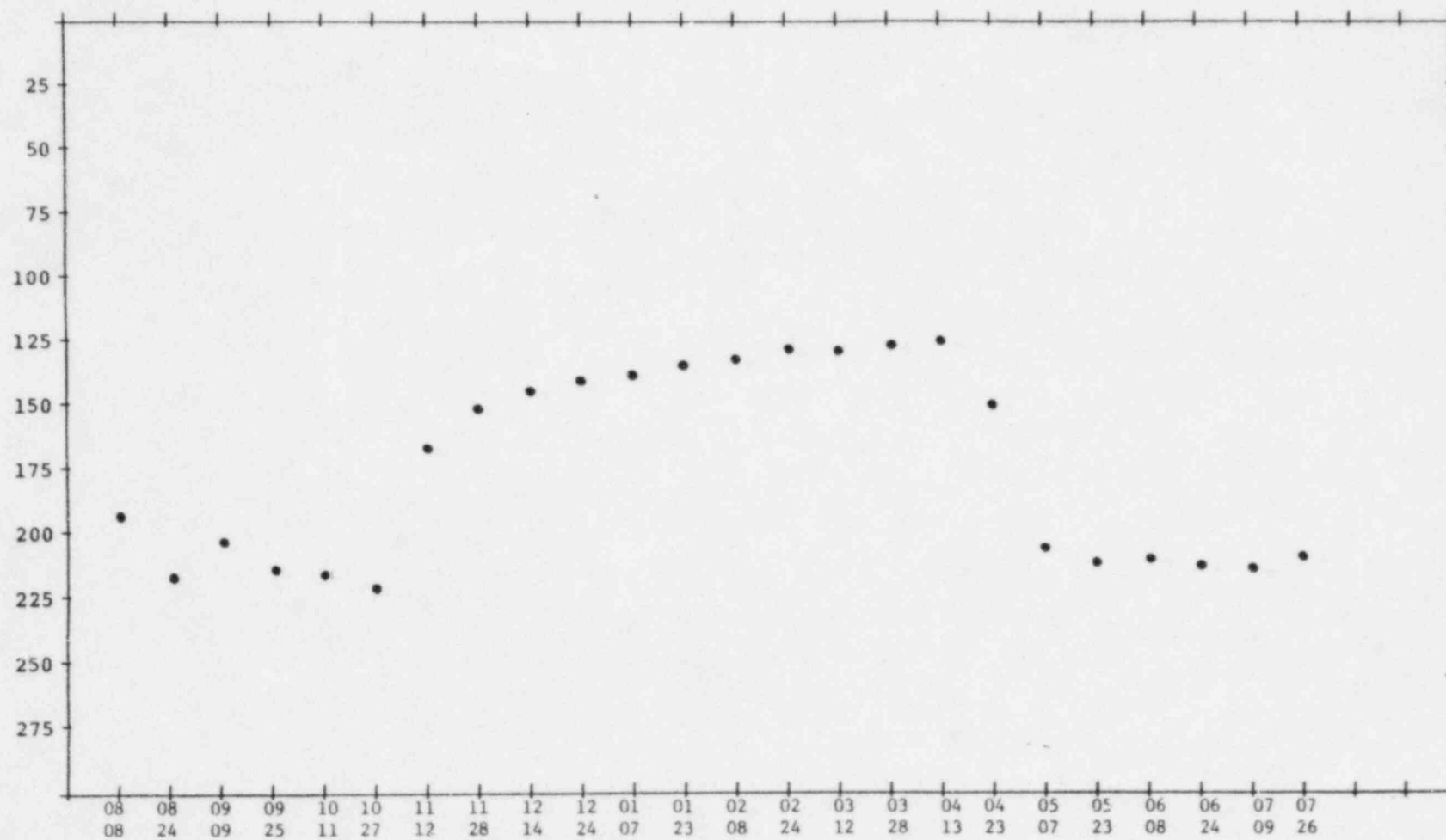


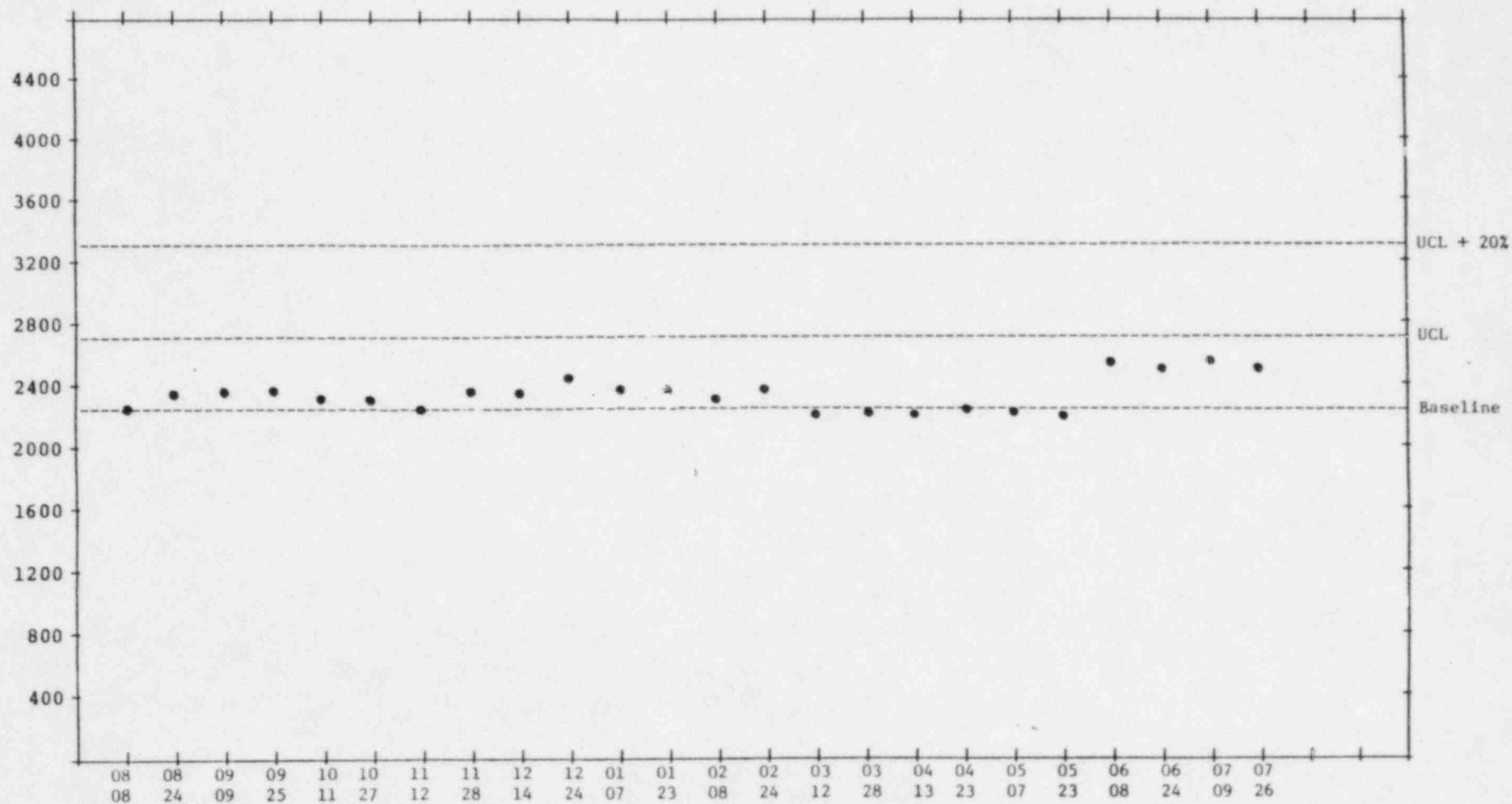
FIGURE NO. 67

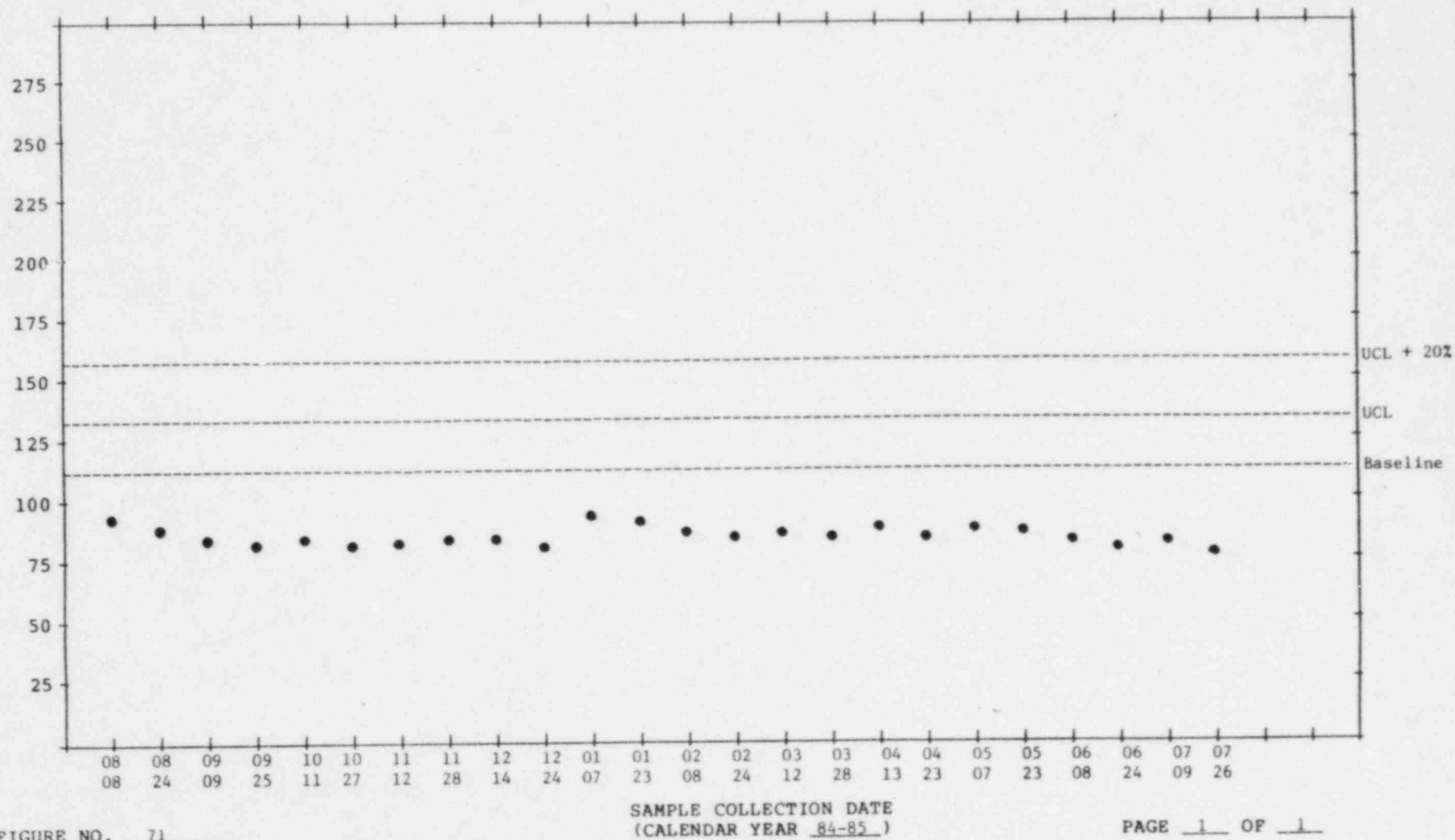
SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

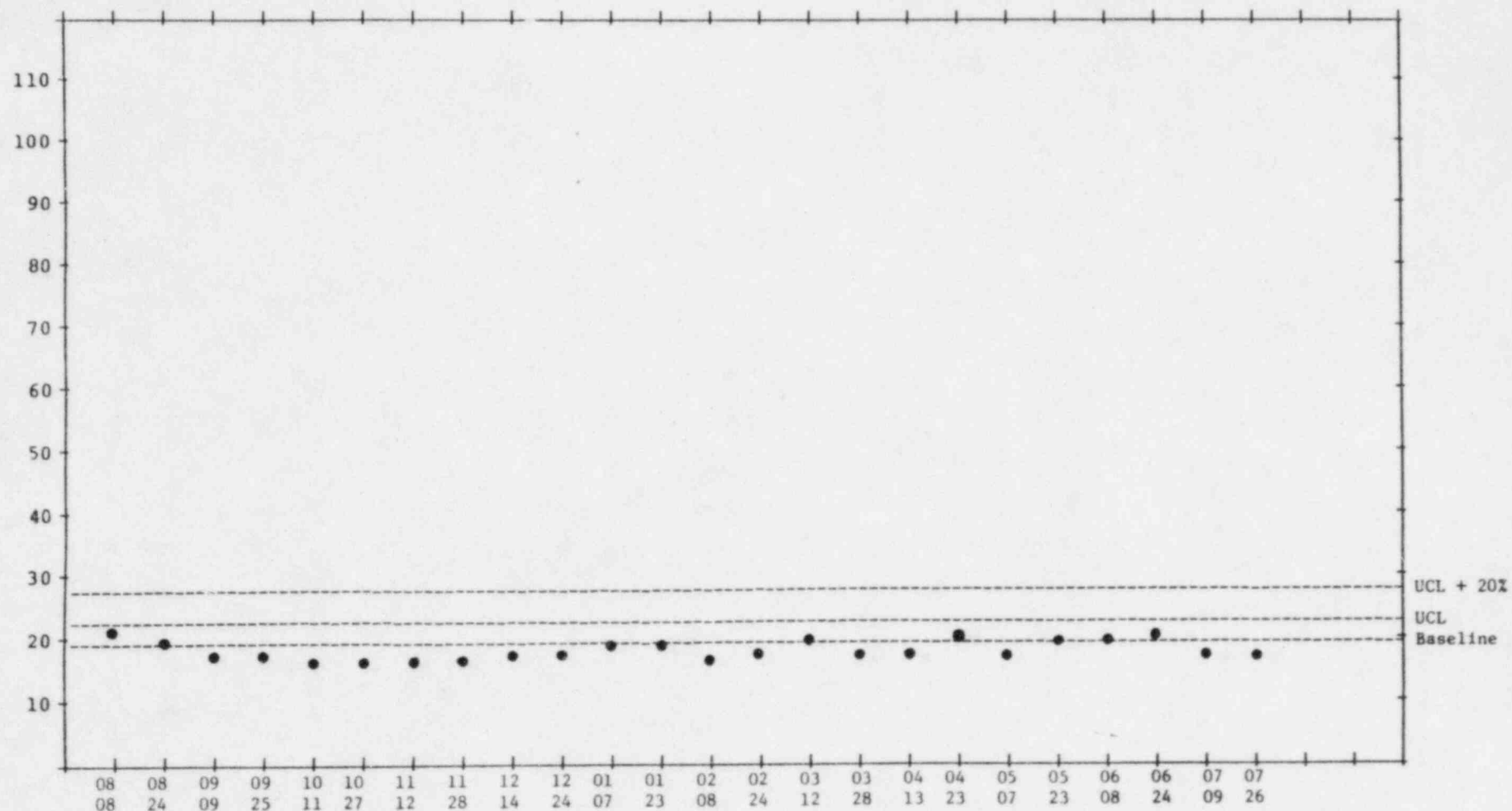
PAGE 1 OF 1

FIGURE NO. 68SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)PAGE 1 OF 1



FIGURE NO. 70SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)PAGE 1 OF 1

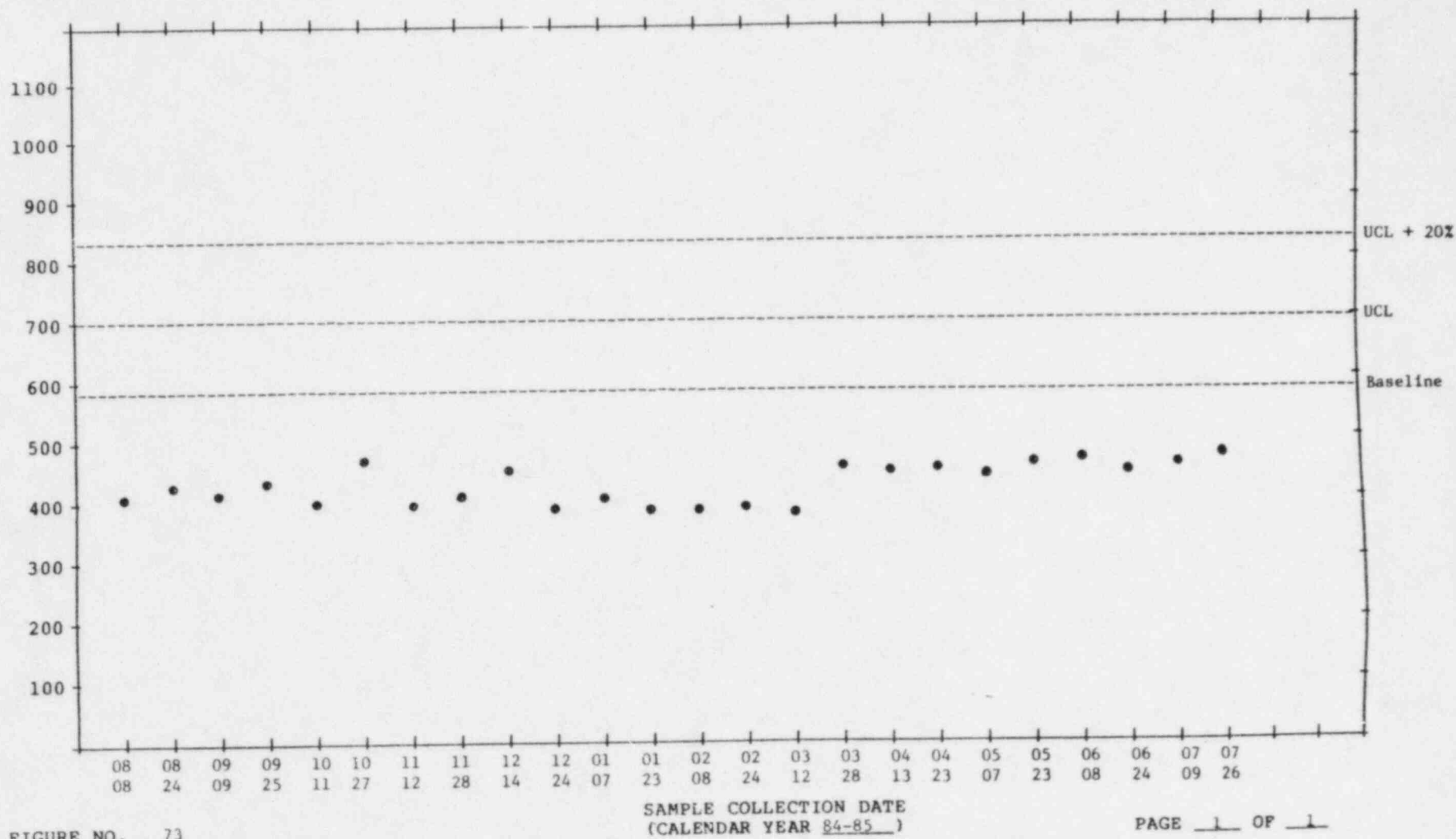




MONITOR WELL NO. M-3 (UPPER)

OGLE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: SODIUM



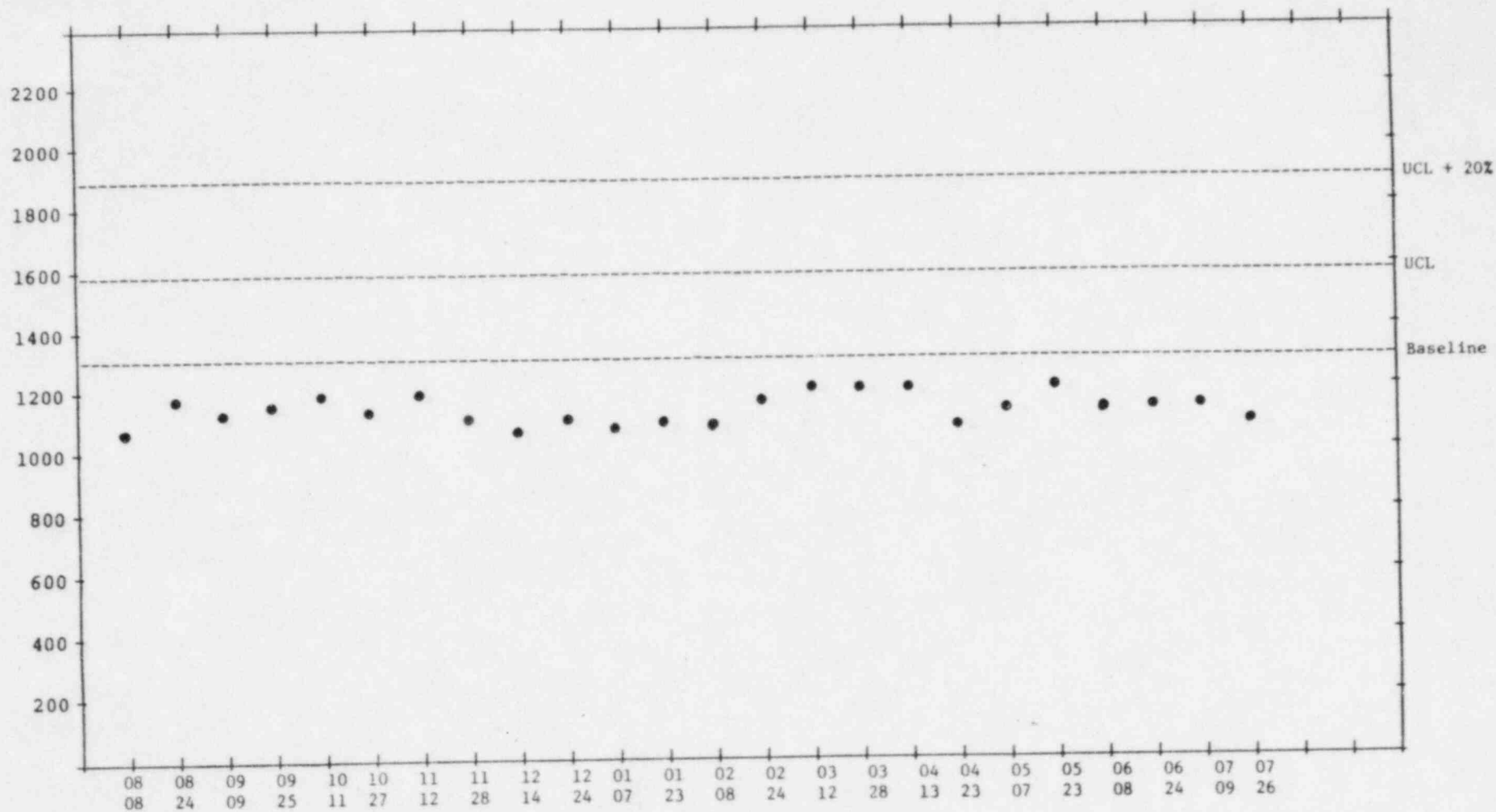


FIGURE NO. 74

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

MONITOR WELL NO. M-3(UPPER)

OGLE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: URANIUM

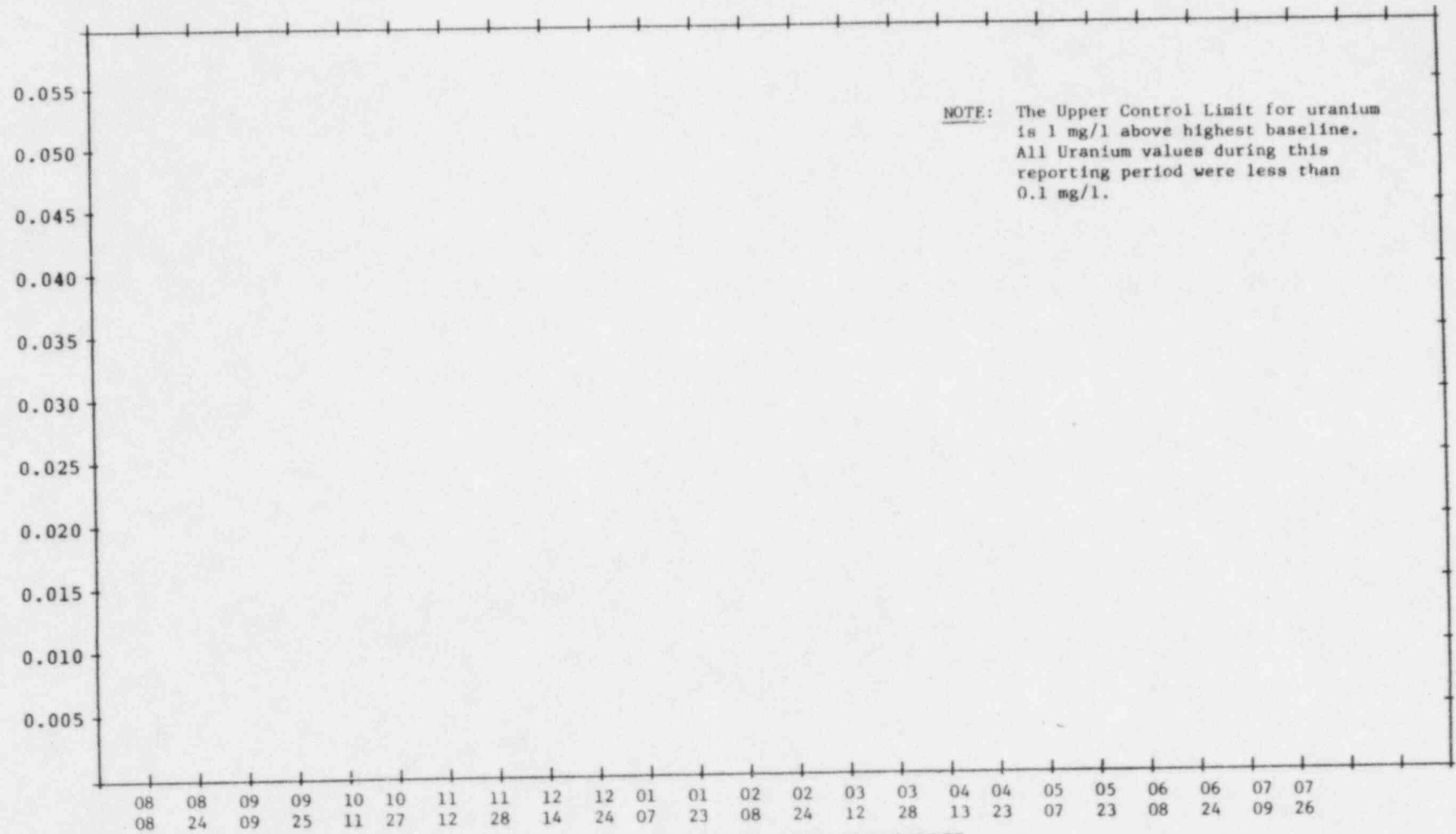


FIGURE NO. 75

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

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MONITOR WELL NO. M-3 (UPPER)

OGLE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: WATER LEVEL

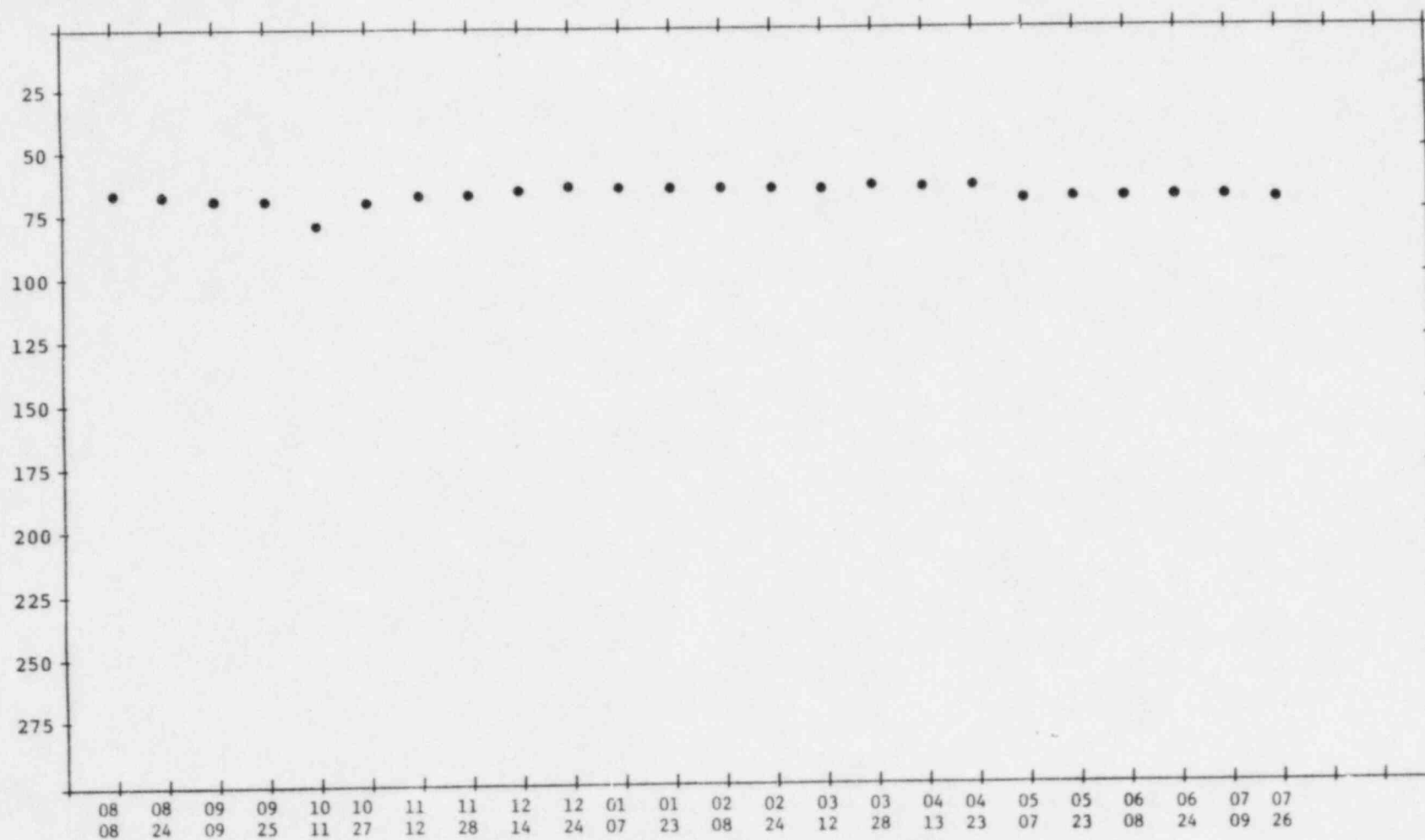


FIGURE NO. 76

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

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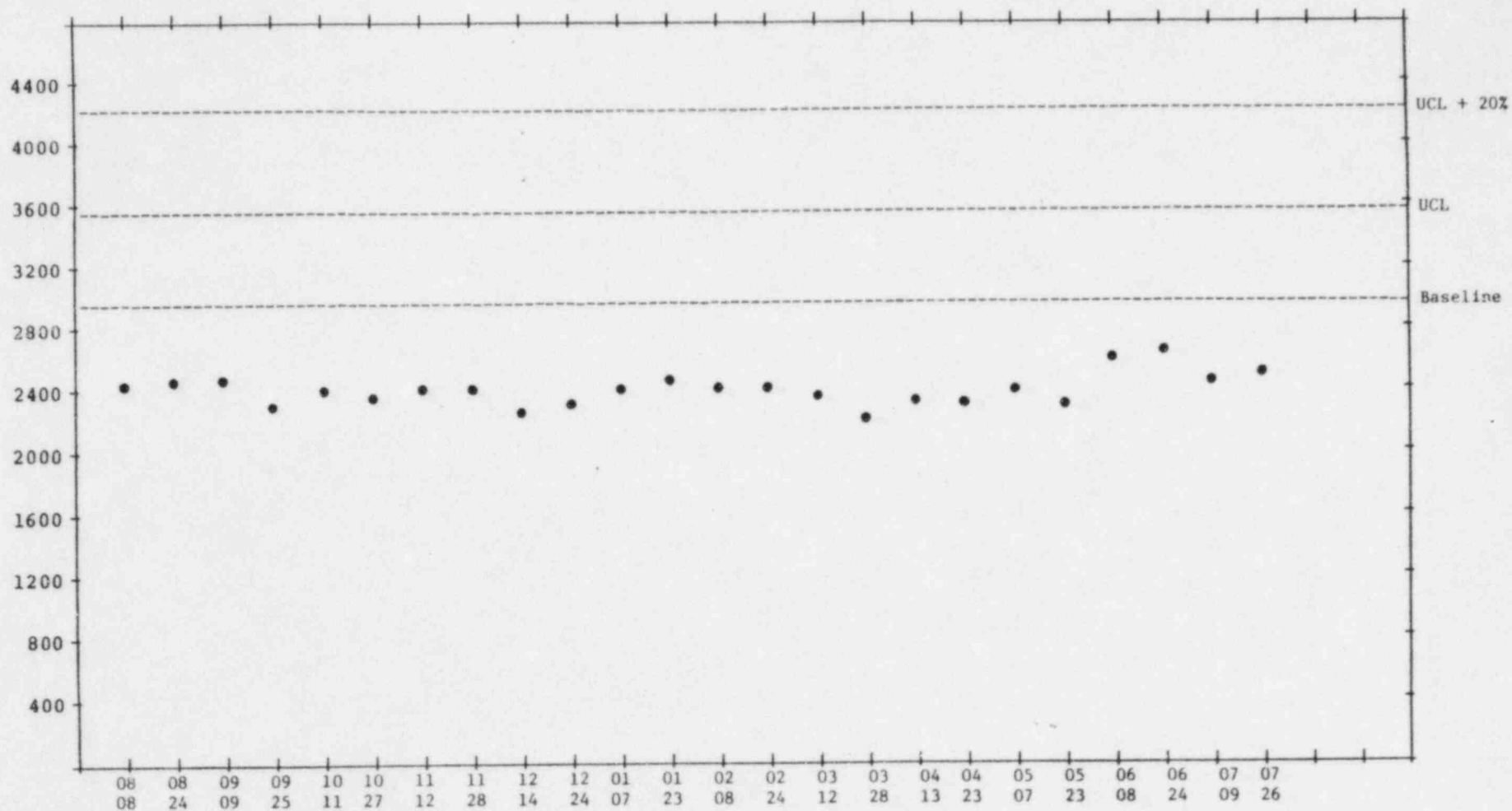


FIGURE NO. 77

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

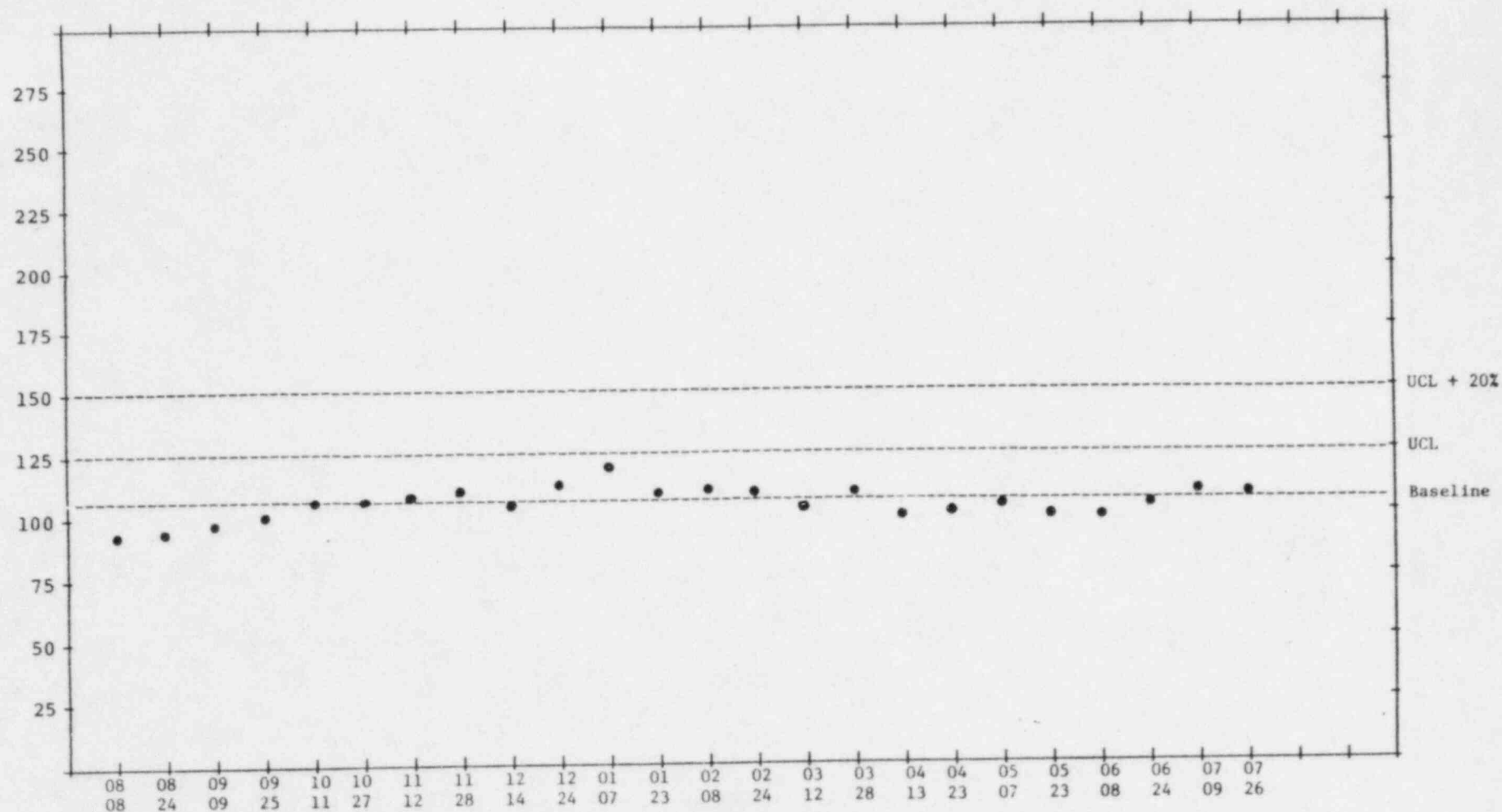


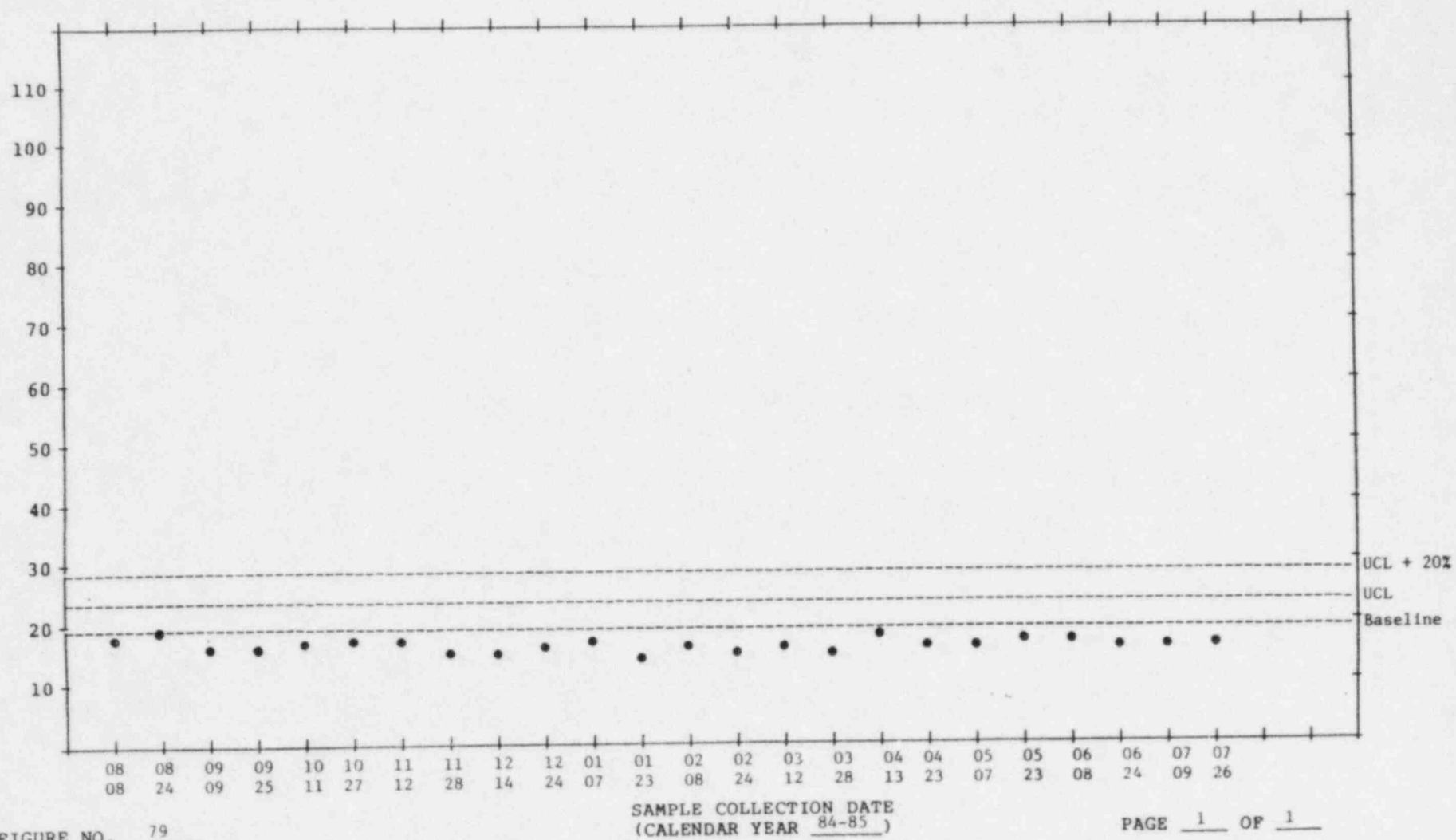
FIGURE NO. 78

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

MONITOR WELL NO. M-17(UPPER)

OGLE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: CHLORIDE



MONITOR WELL NO. M-17(UPPER)

OGLE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: SODIUM

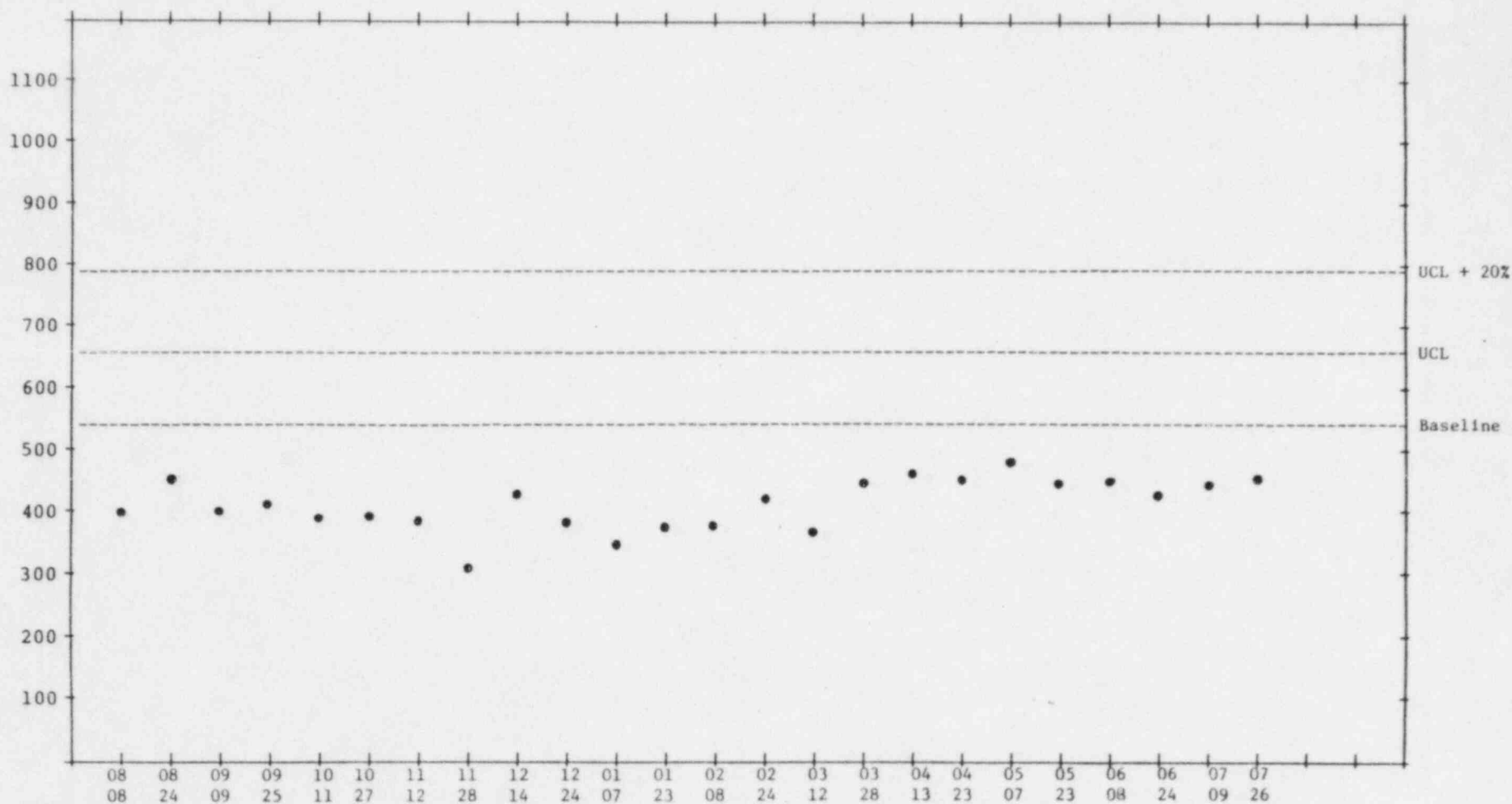
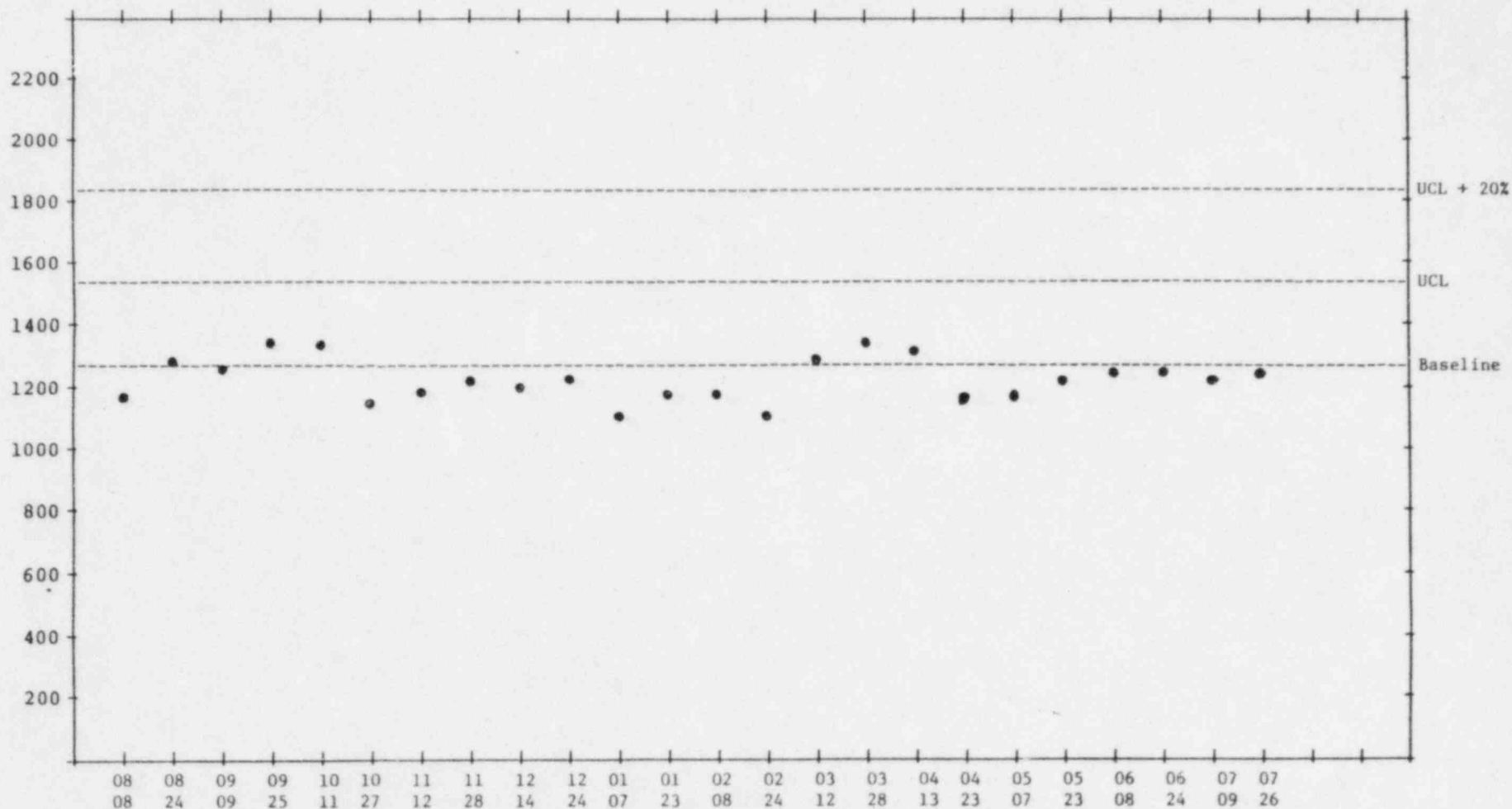
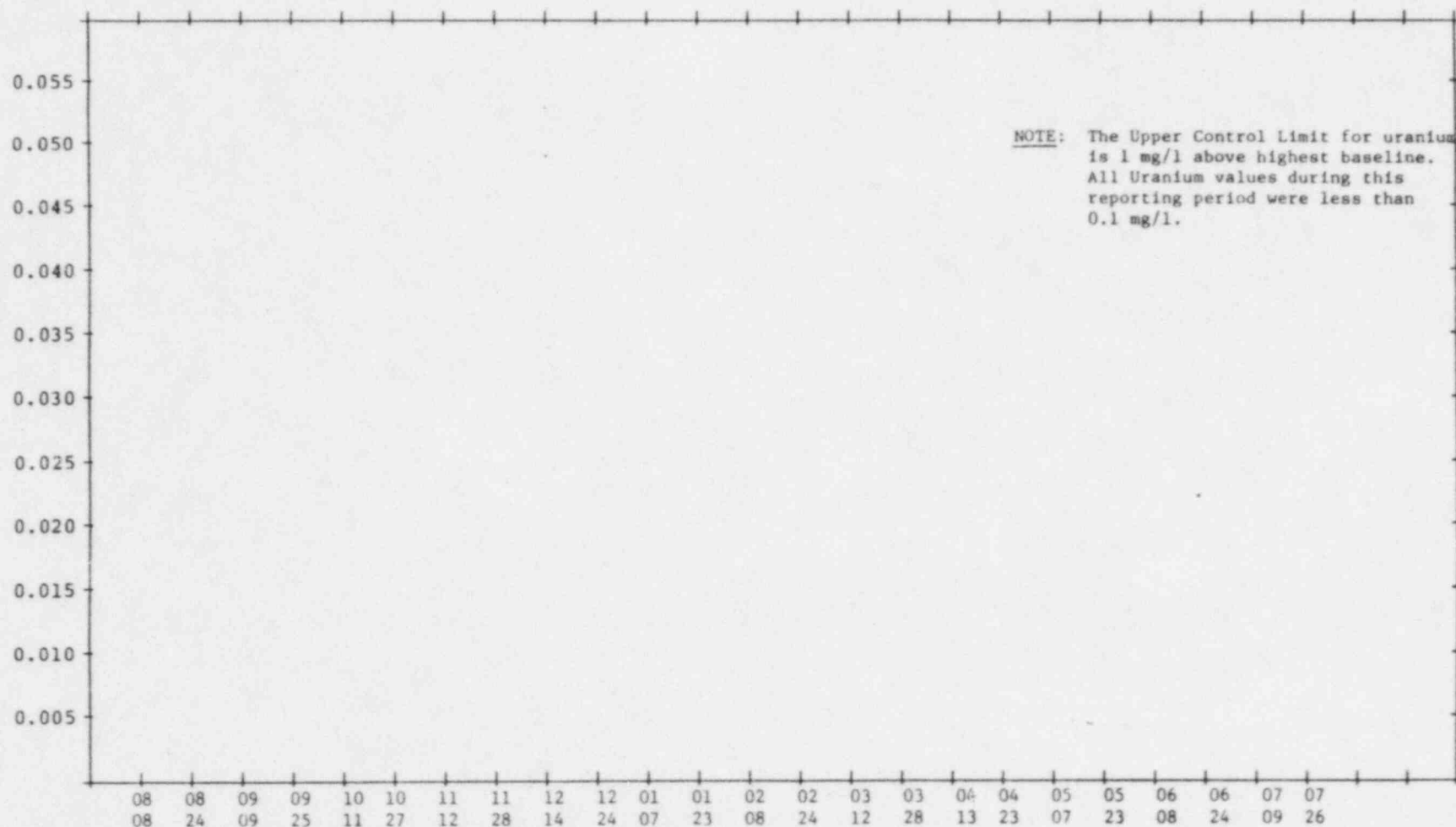


FIGURE NO. 80

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

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MONITOR WELL NO. M-17(UPPER)

OGLE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: WATER LEVEL

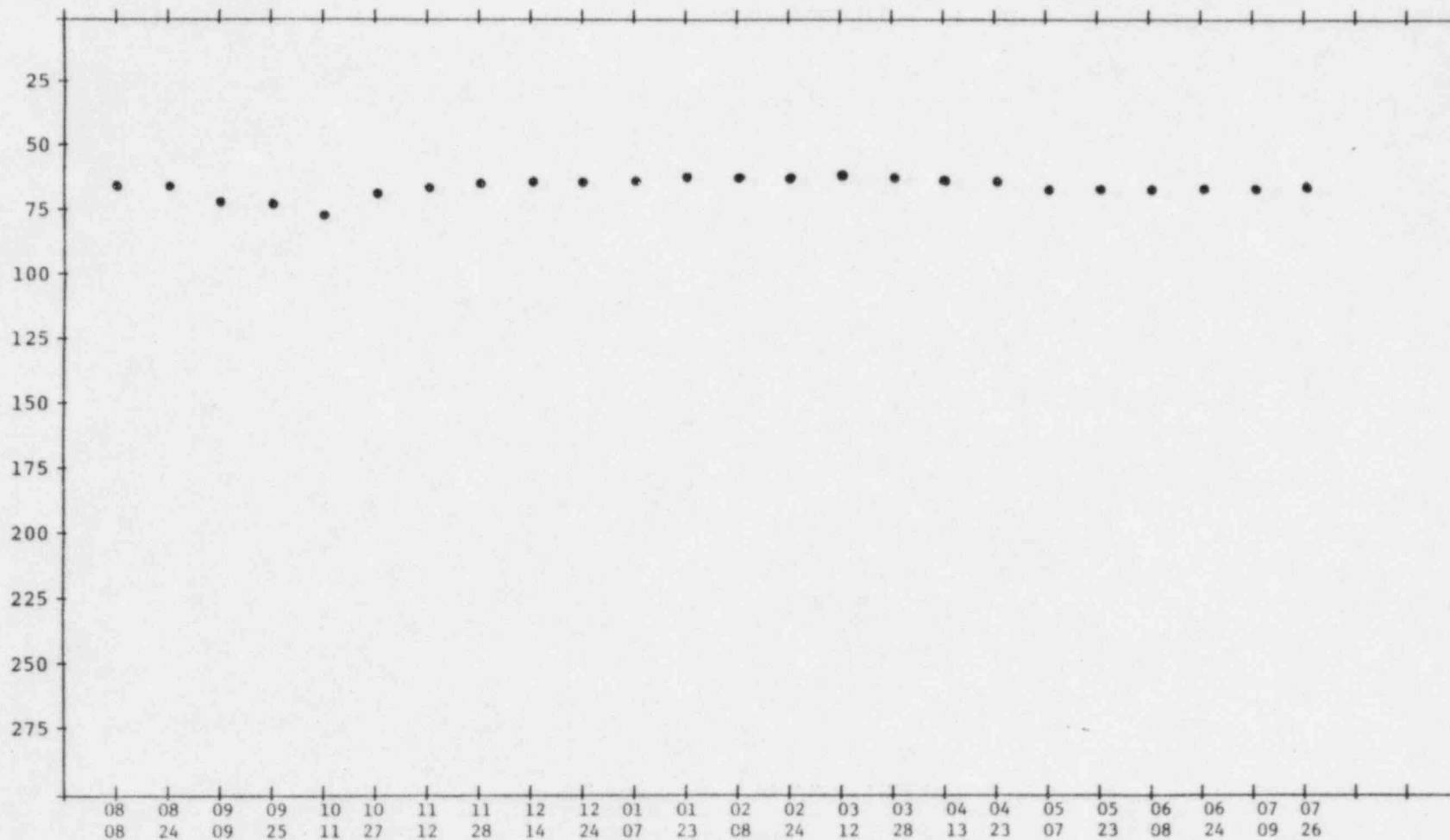


FIGURE NO. 83

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

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MONITOR WELL NO. M-18(UPPER)

OGLE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: CONDUCTIVITY

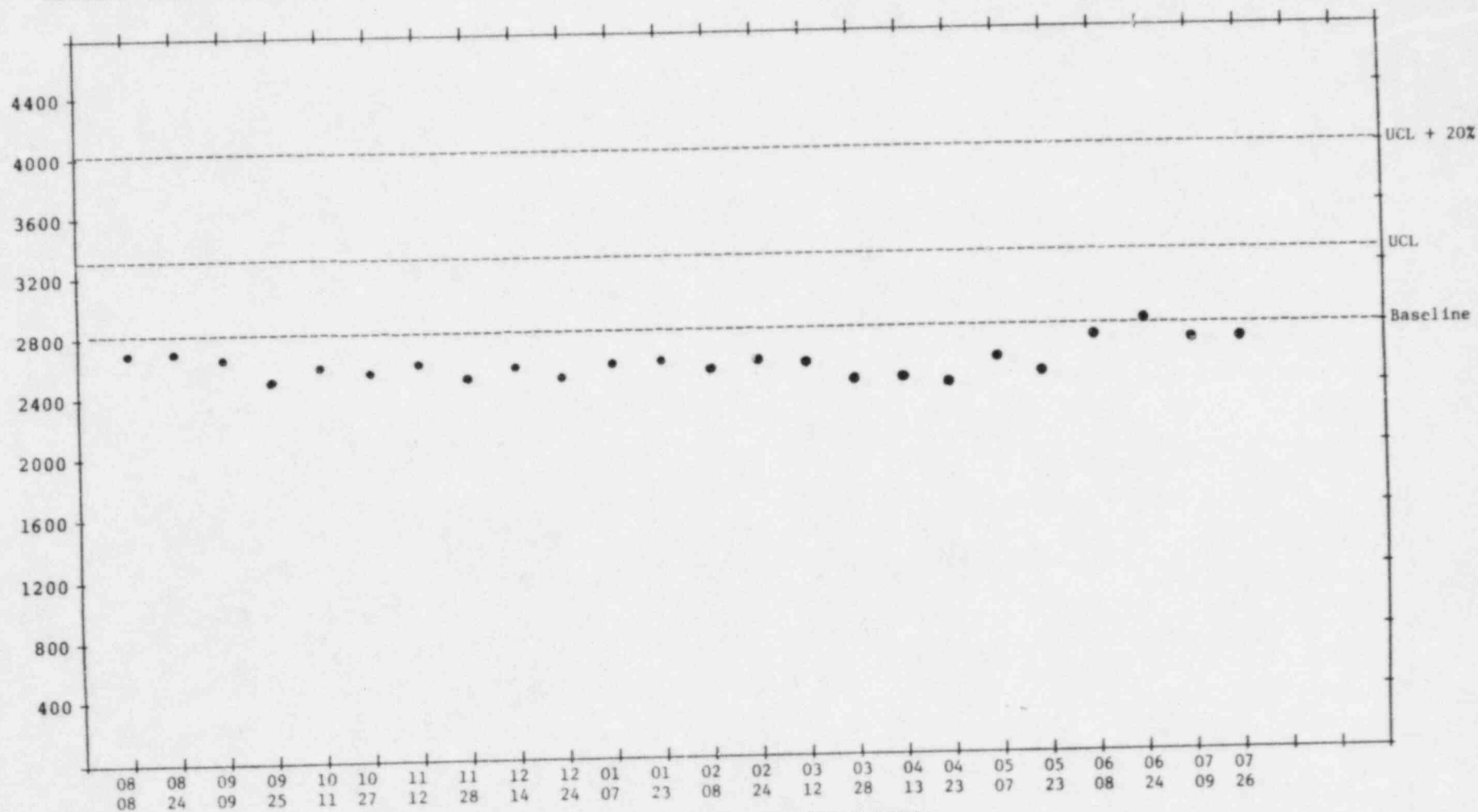


FIGURE NO. 84

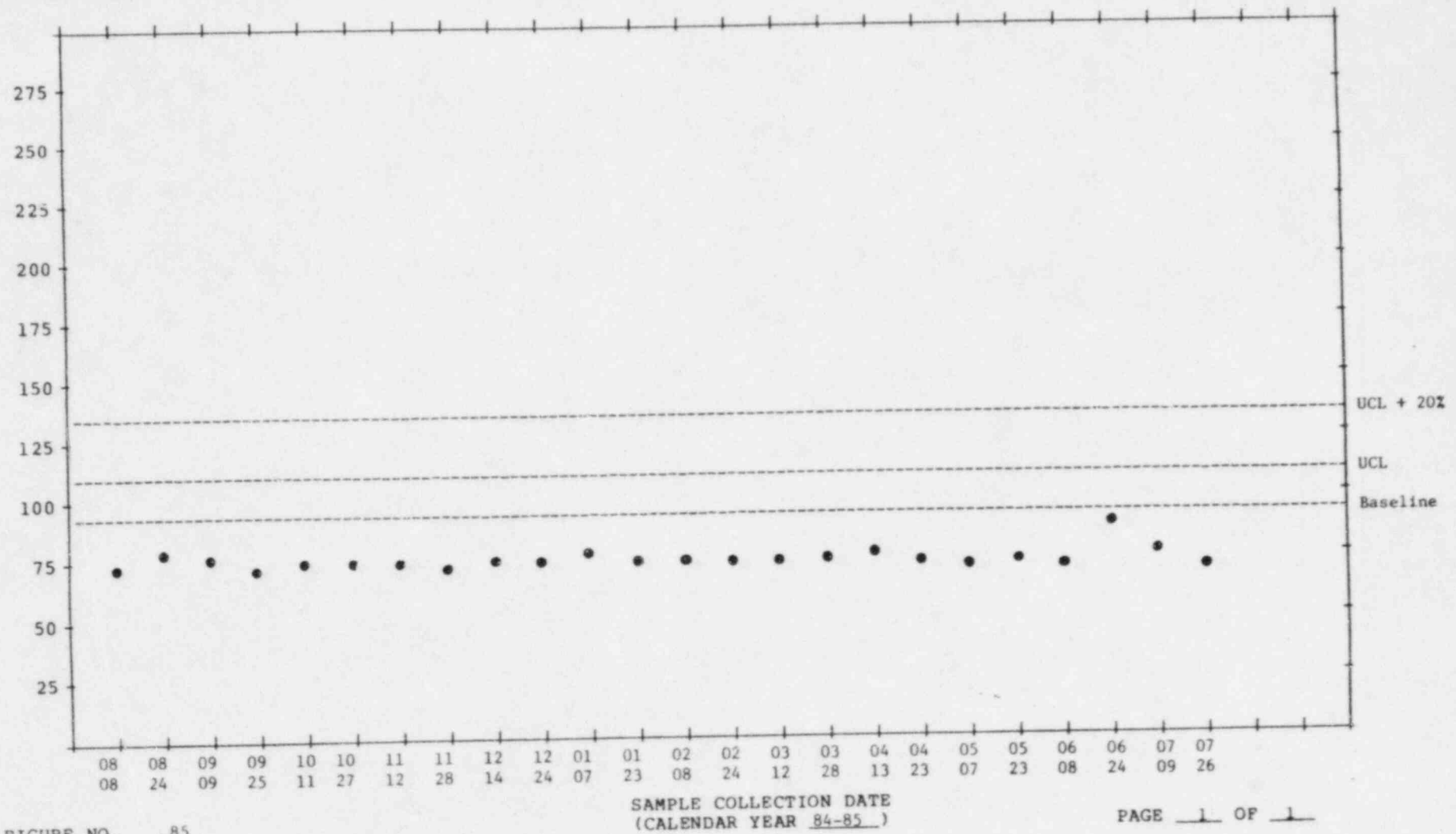
SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

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MONITOR WELL NO. M-18(UPPER)

OGLE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: CARBONATE PLUS BICARBONATE



MONITOR WELL NO. M-18(UPPER)

OGLE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: CHLORIDE

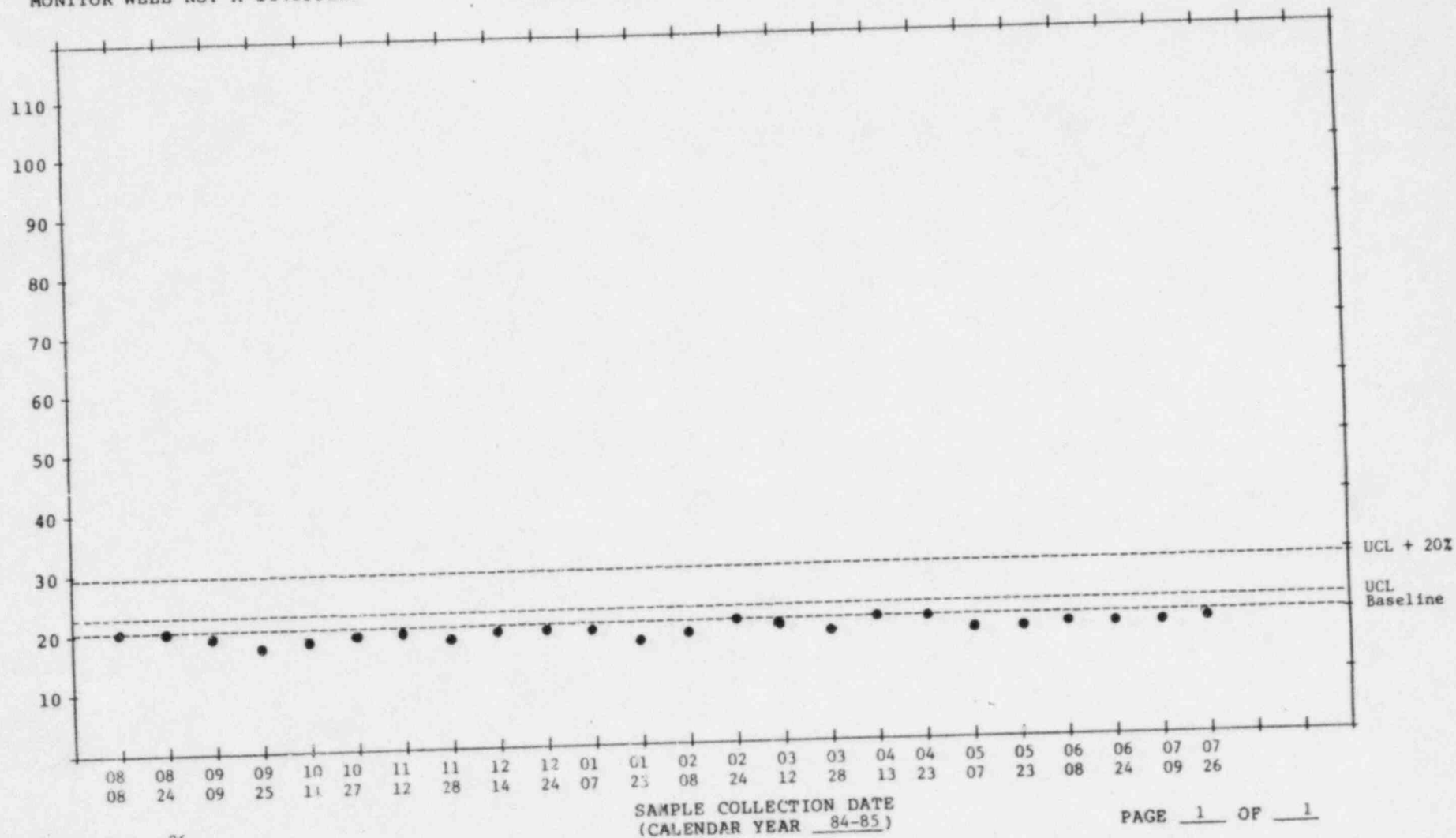


FIGURE NO. 86

MONITOR WELL NO. M-18(UPPER)

OGLE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: SODIUM

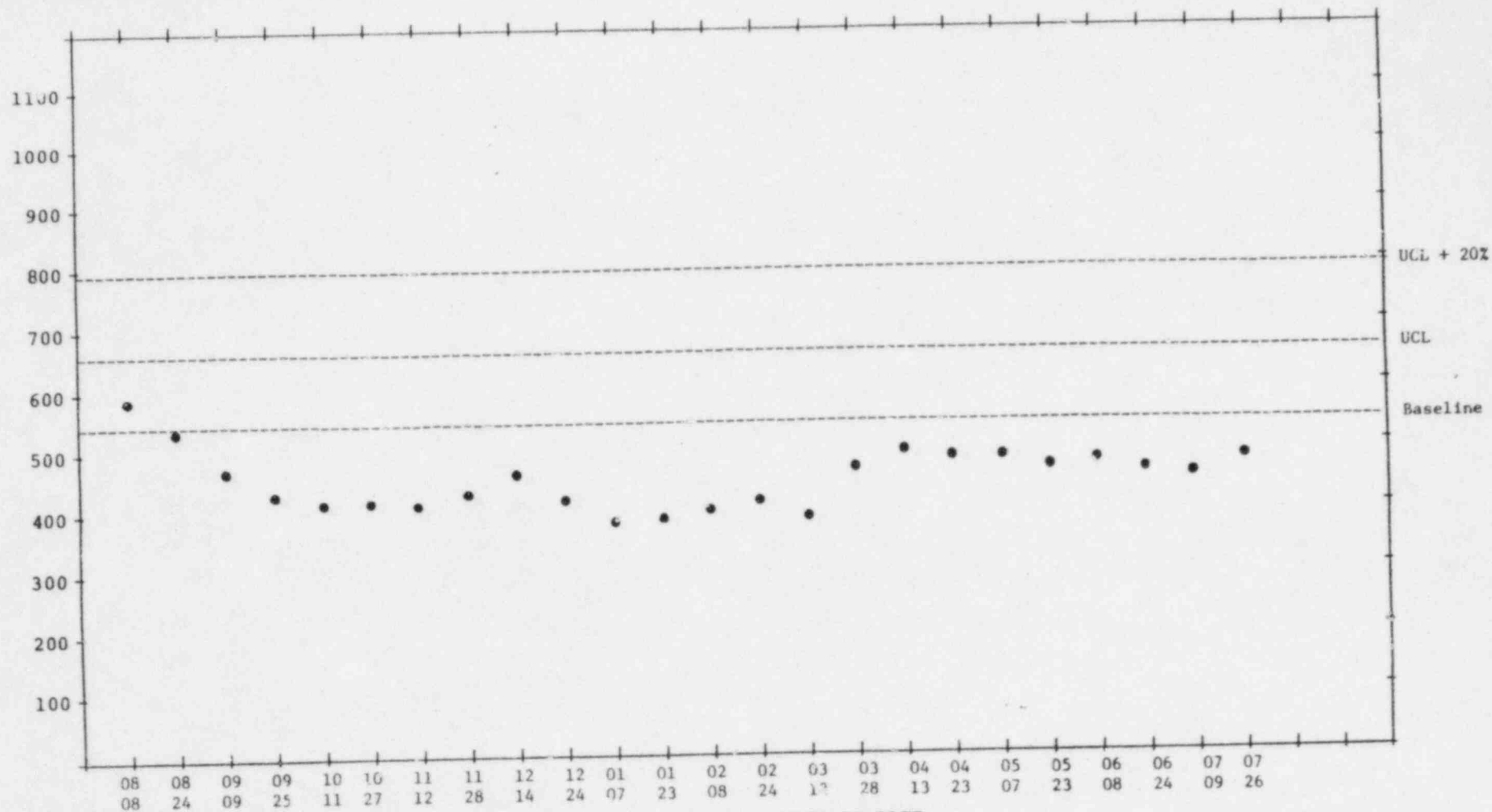


FIGURE NO. 87

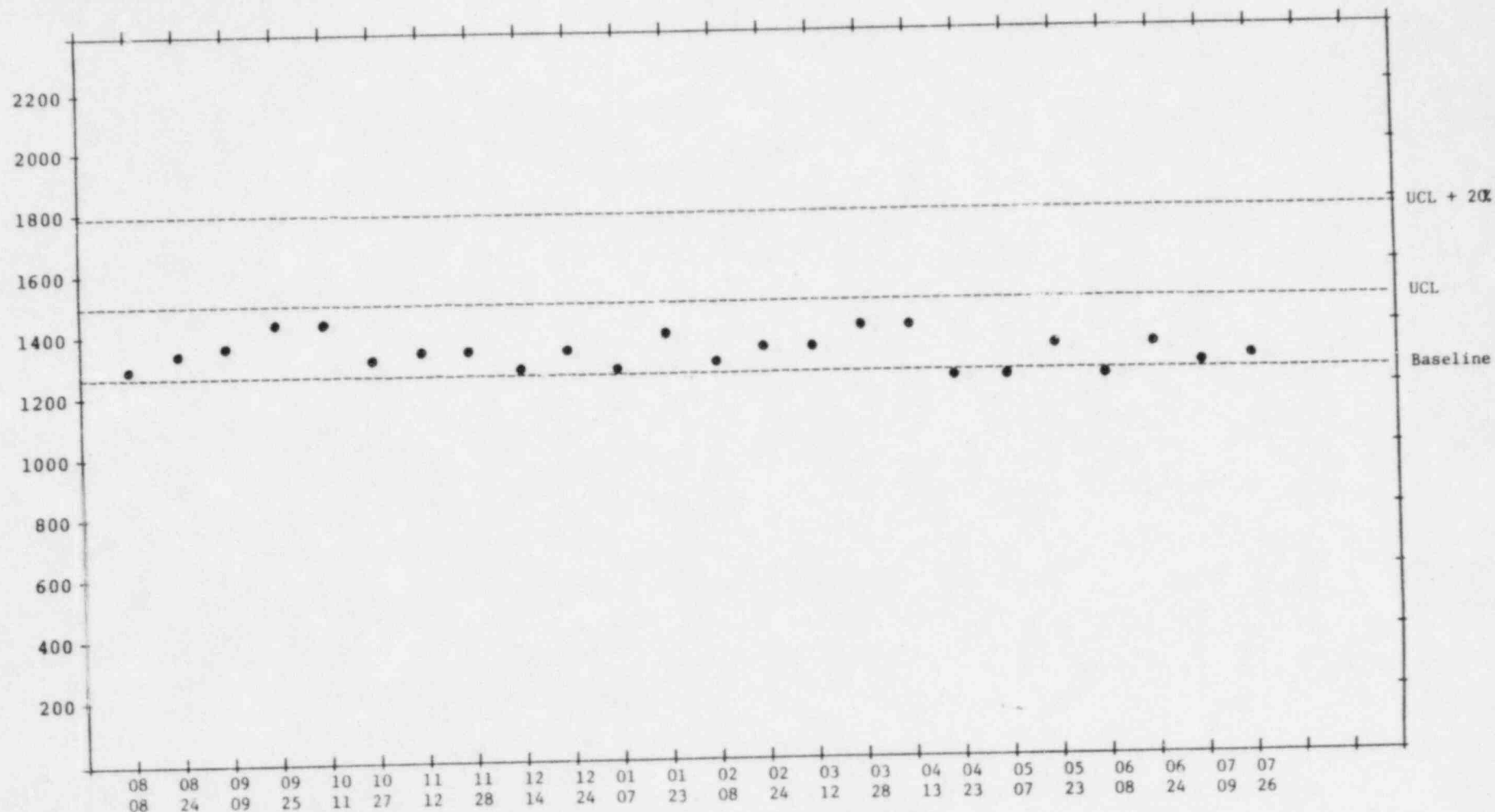
SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

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MONITOR WELL NO. M-18(UPPER)

OGLE PETROLEUM INC.
BISON BASIN PROJECT

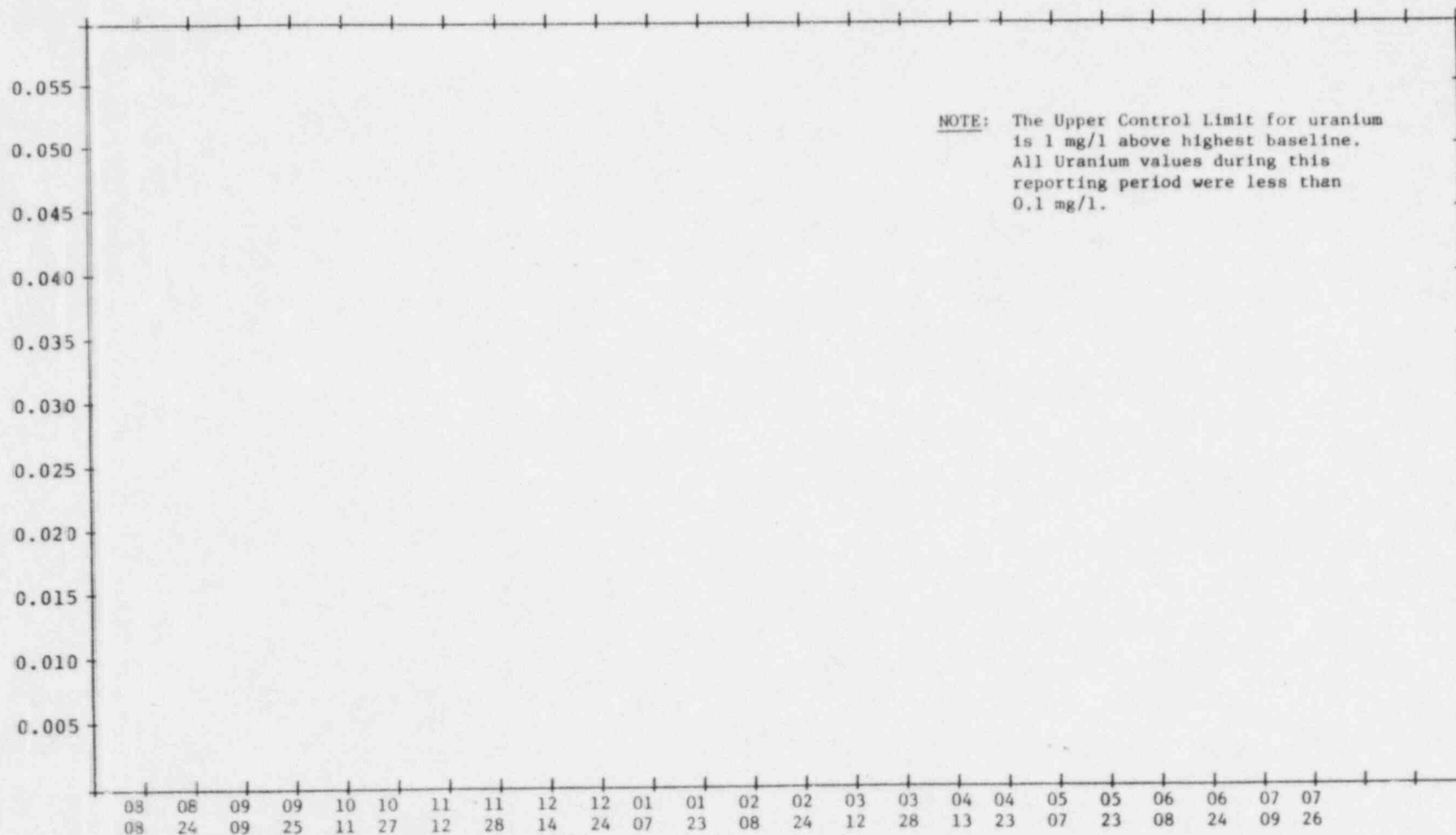
EXCURSION PARAMETER: SULFATE



SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85.)

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FIGURE NO. 88



MONITOR WELL NO. M-18(UPPER)

OGLE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: WATER LEVEL

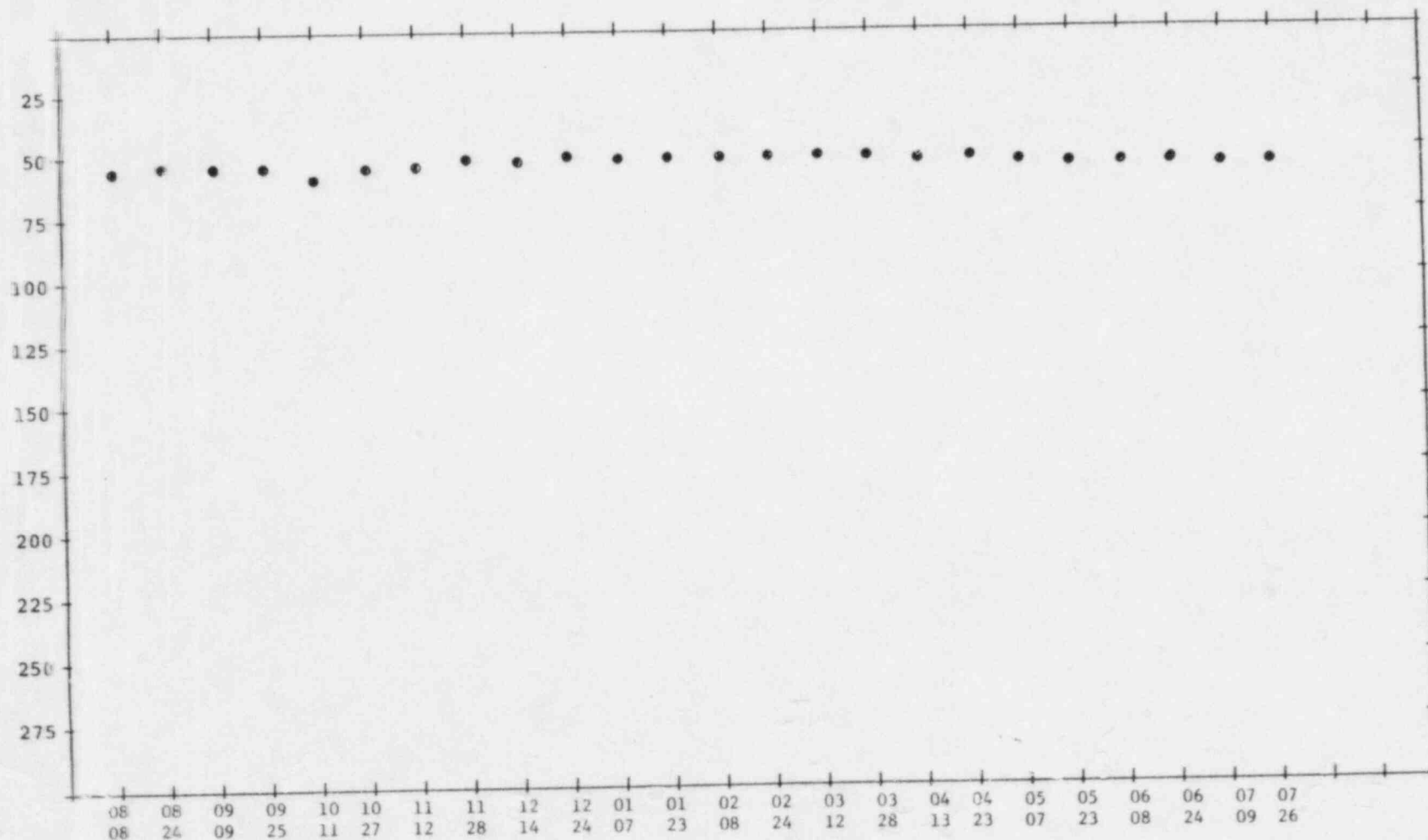


FIGURE NO. 90

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

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MONITOR WELL NO. M-61 (UPPER)

OGLE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: CONDUCTIVITY

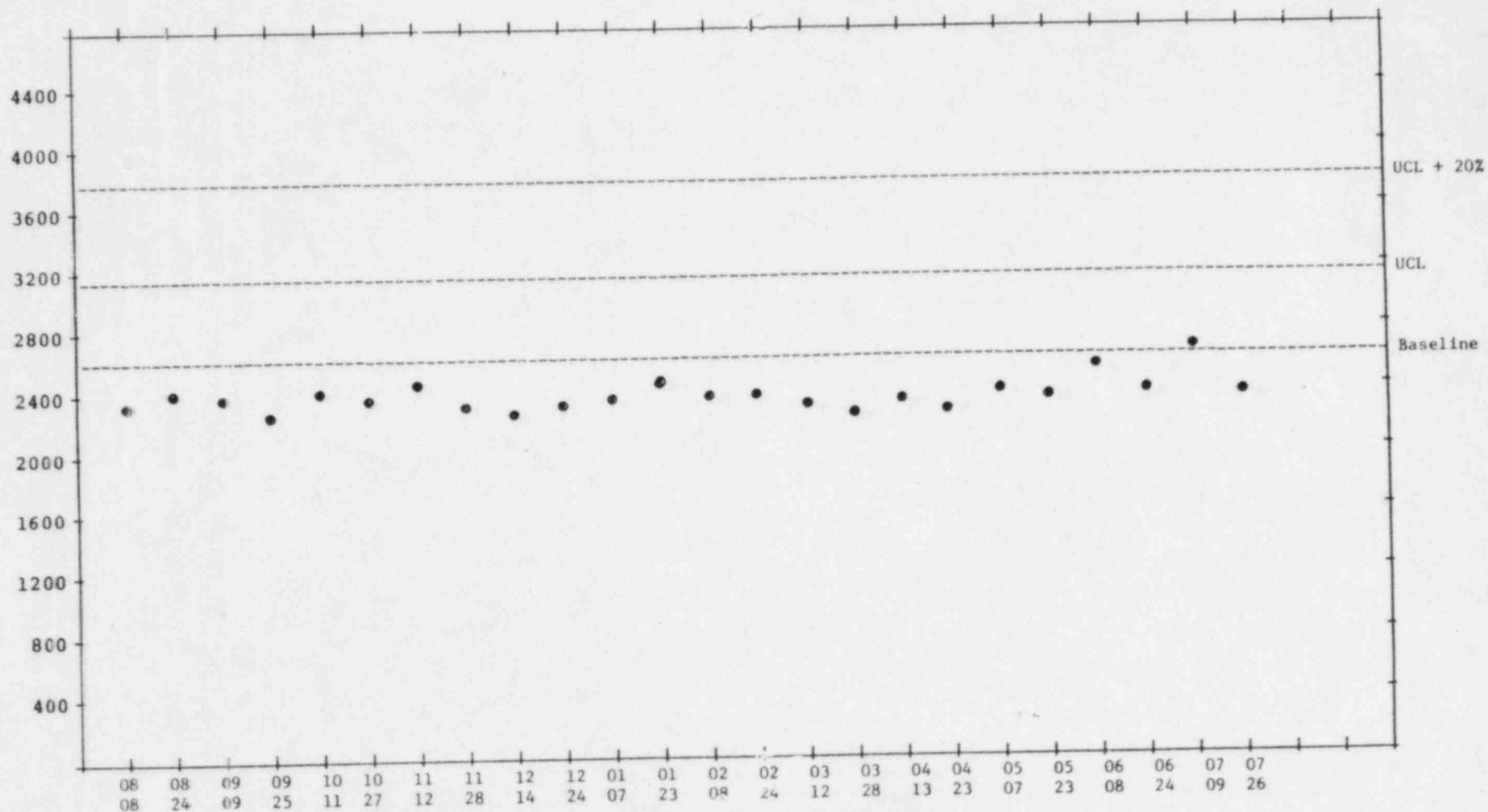


FIGURE NO. 91

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

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MONITOR WELL NO. M-61 (UPPER)

OGLE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: CARBONATE PLUS BICARBONATE

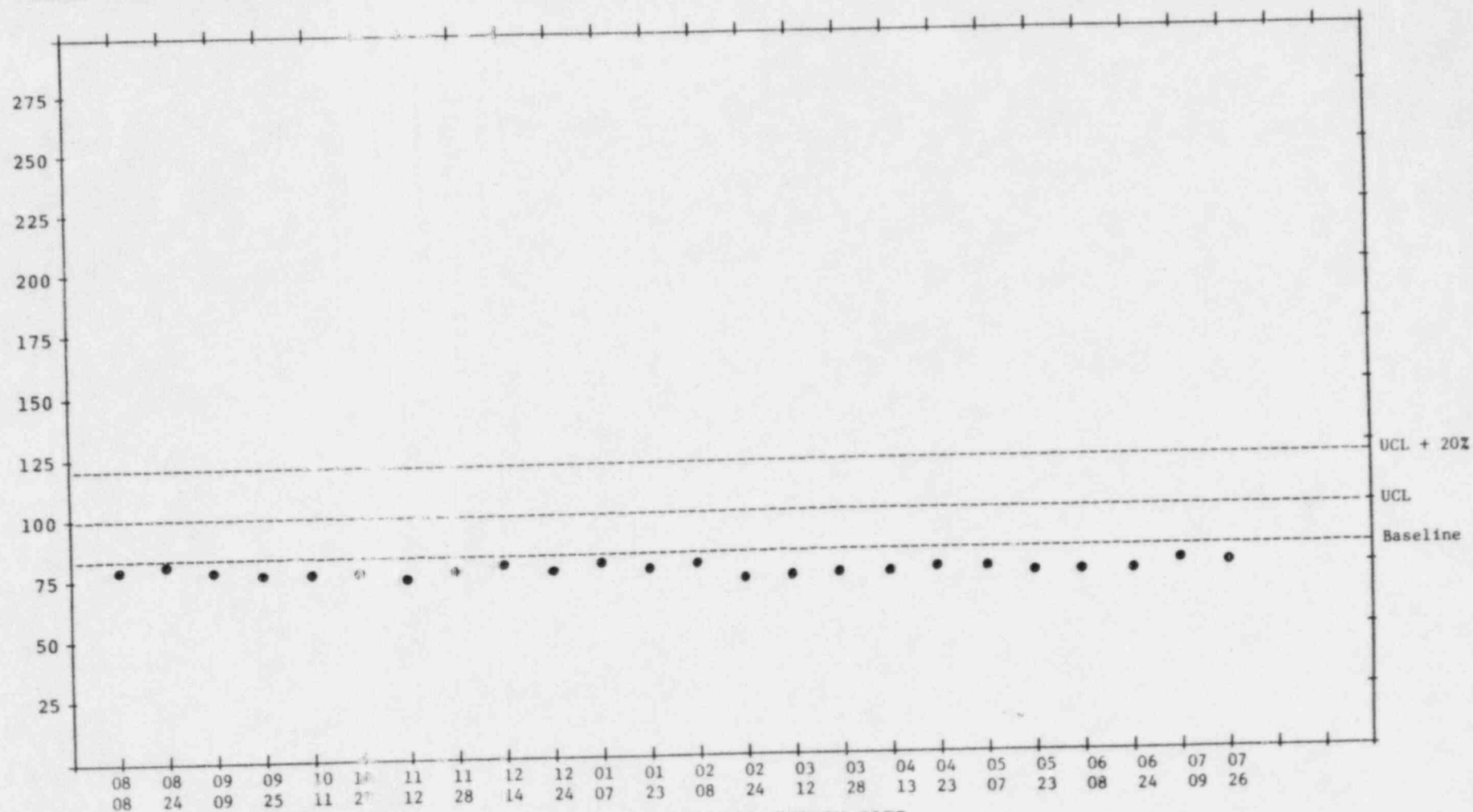
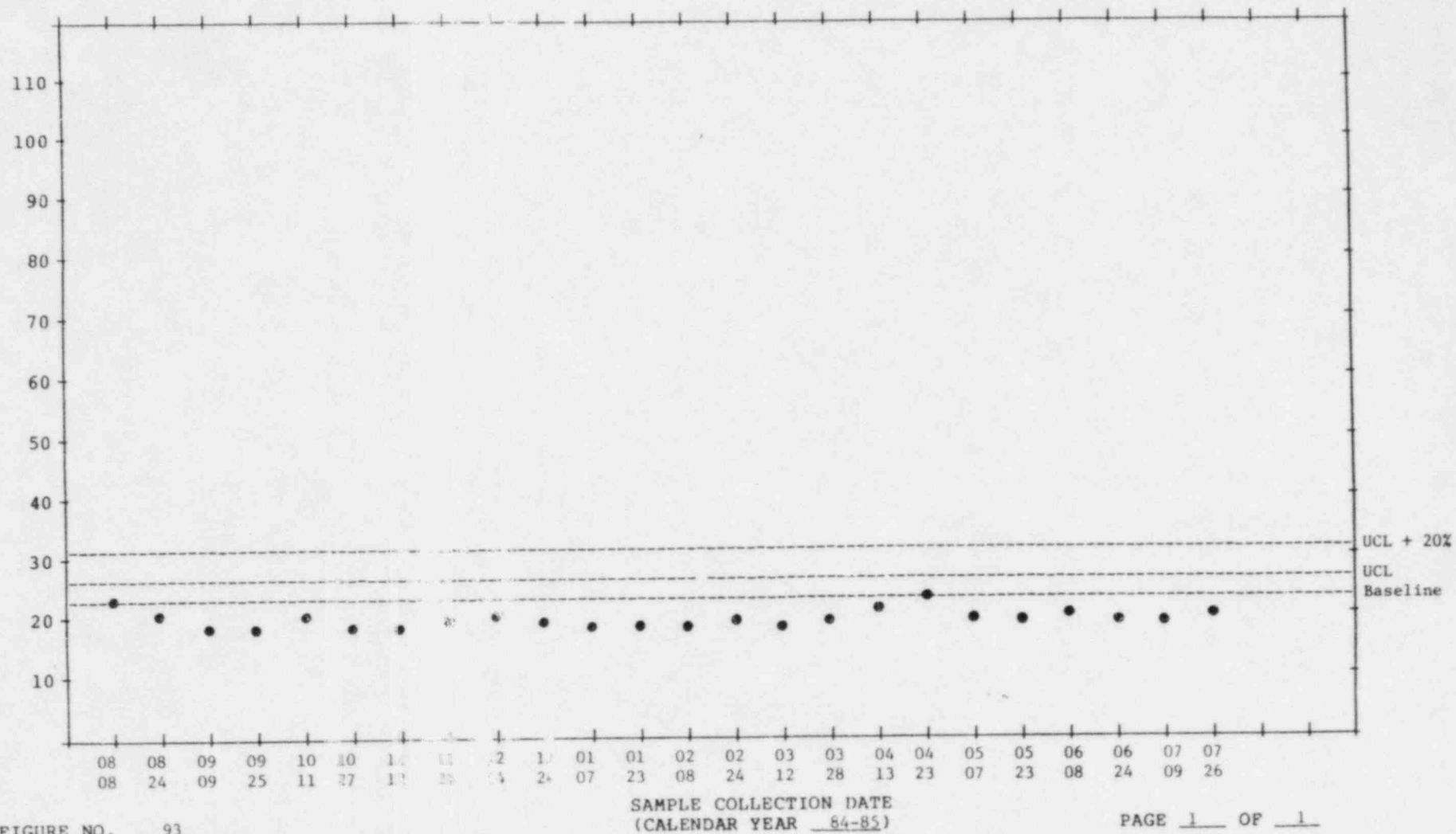


FIGURE NO. 92

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

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MONITOR WELL NO. M-61 (UPPER)

OGLE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: SODIUM

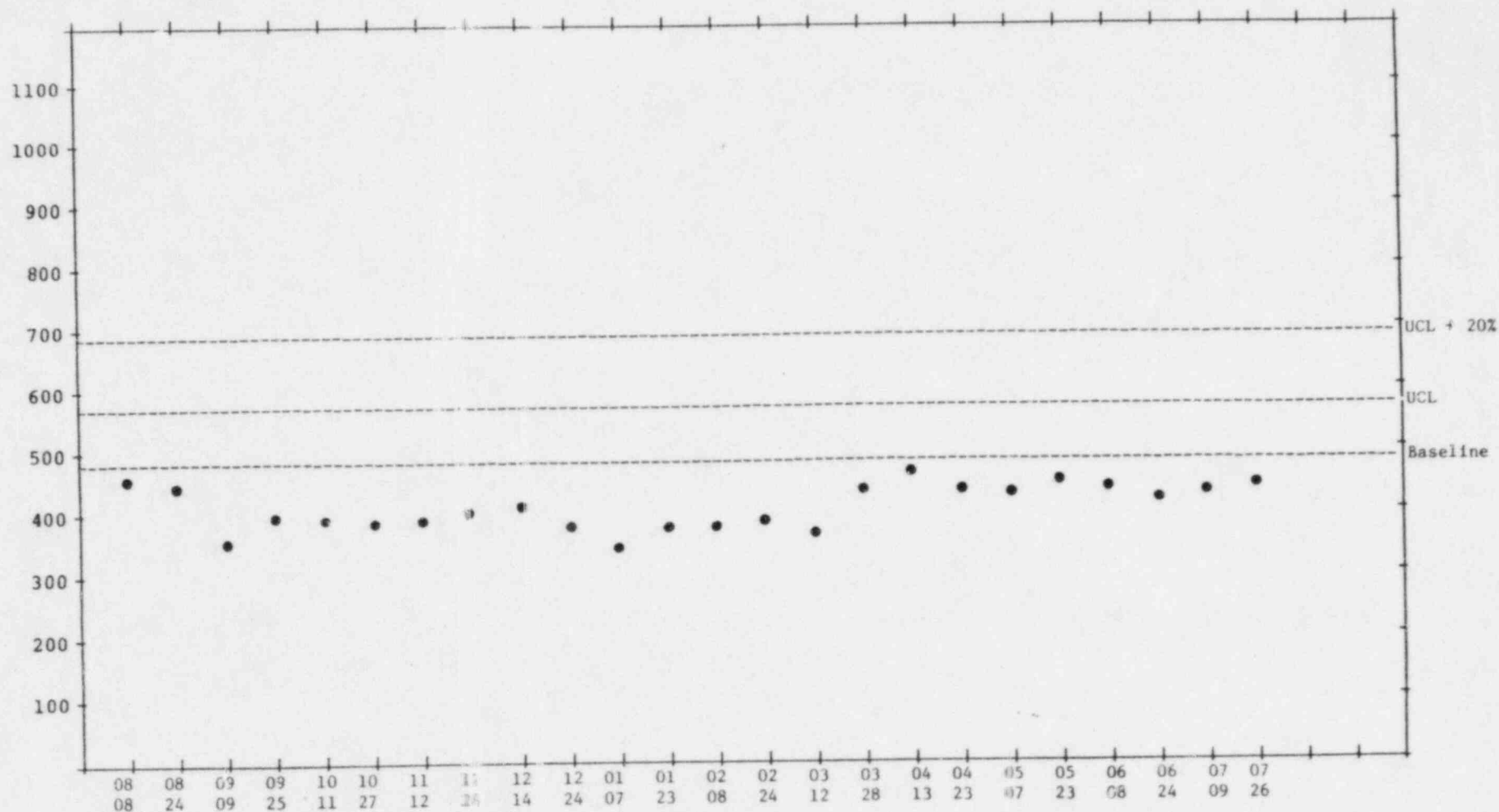


FIGURE NO. 94

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-89)

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MONITOR WELL NO. M-61 (UPPER)

OGIE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: SULFATE

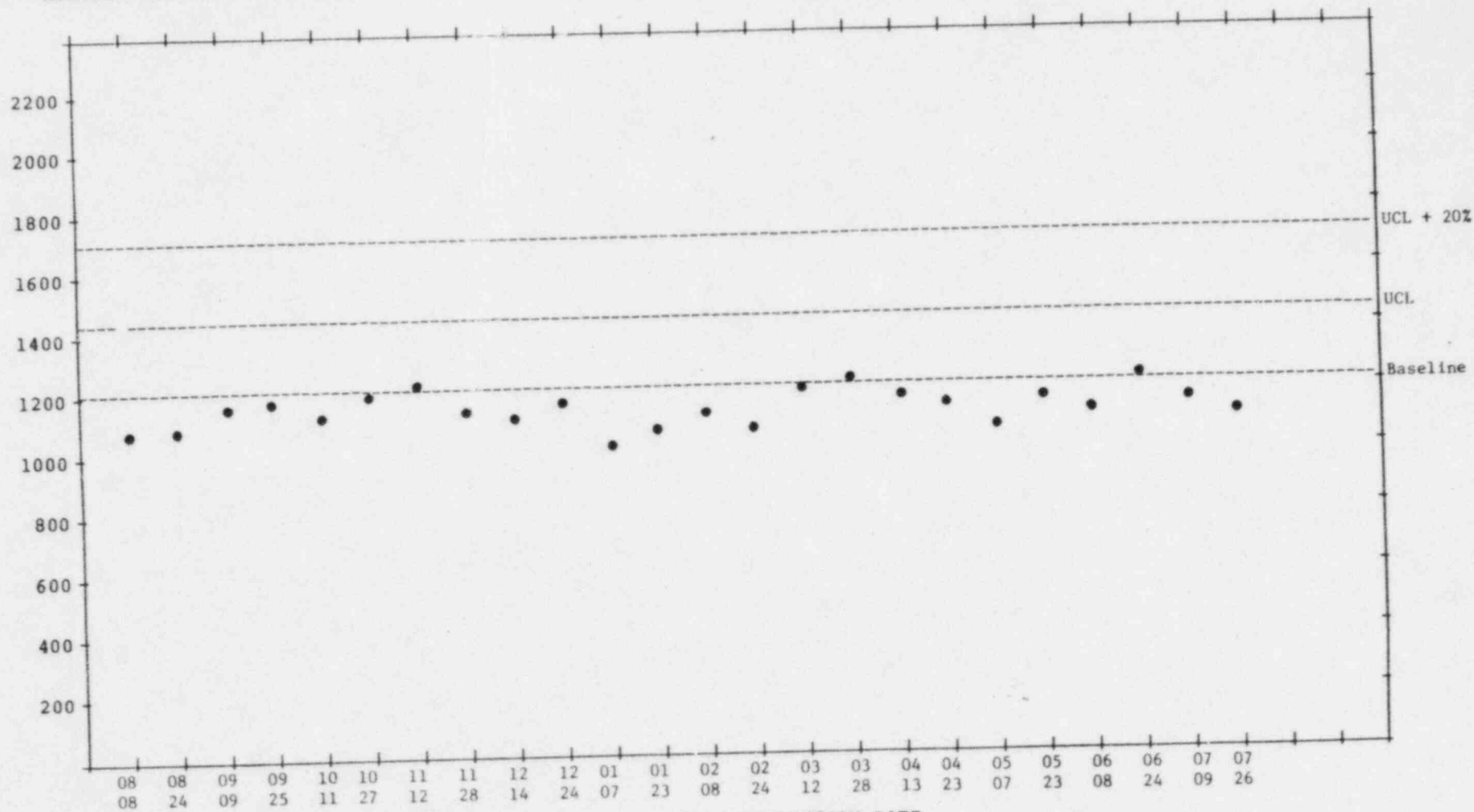
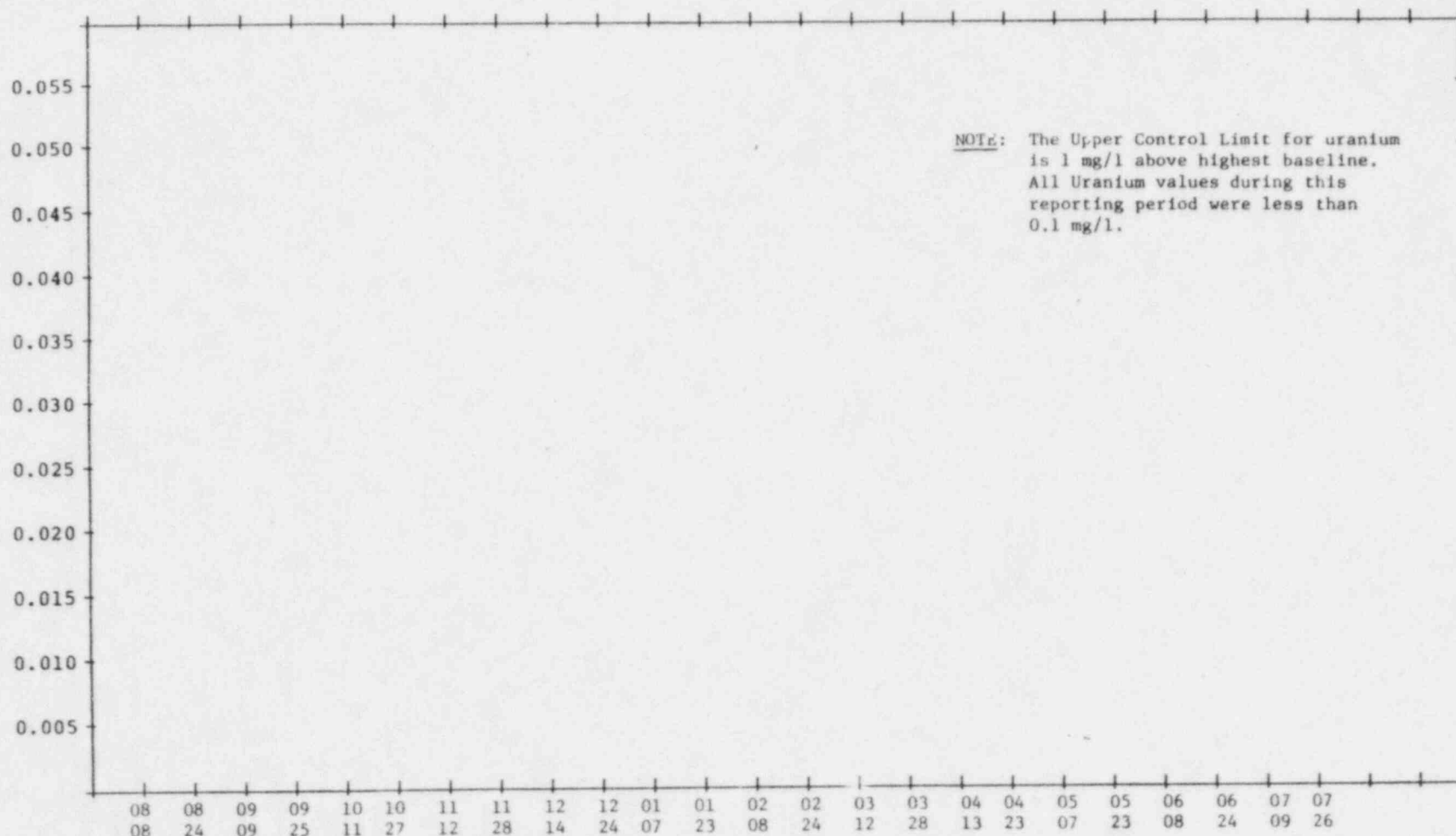


FIGURE NO. 95

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

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MONITOR WELL NO. M-61 (UPPER)

OGLE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: WATER LEVEL

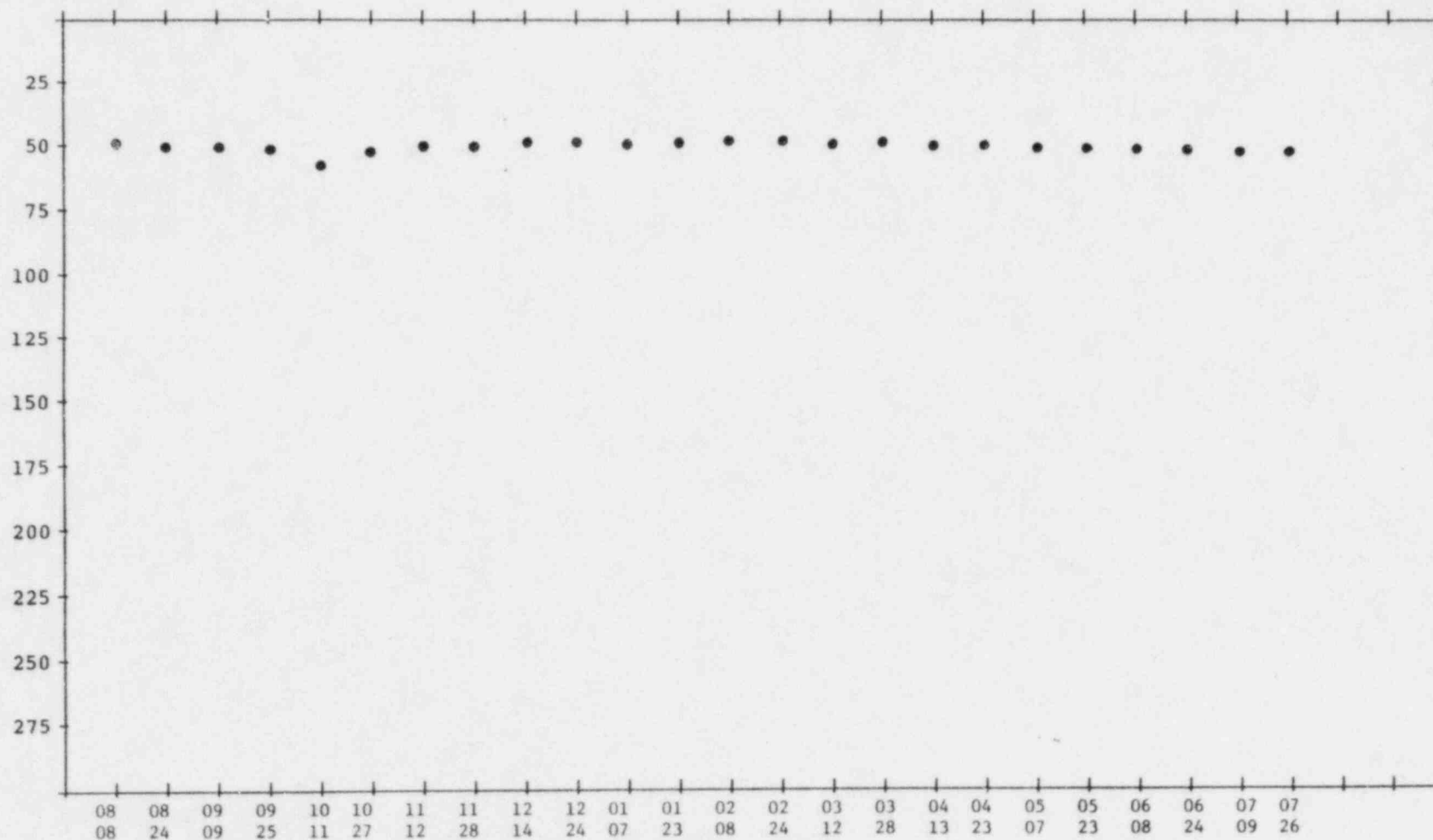


FIGURE NO. 97

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

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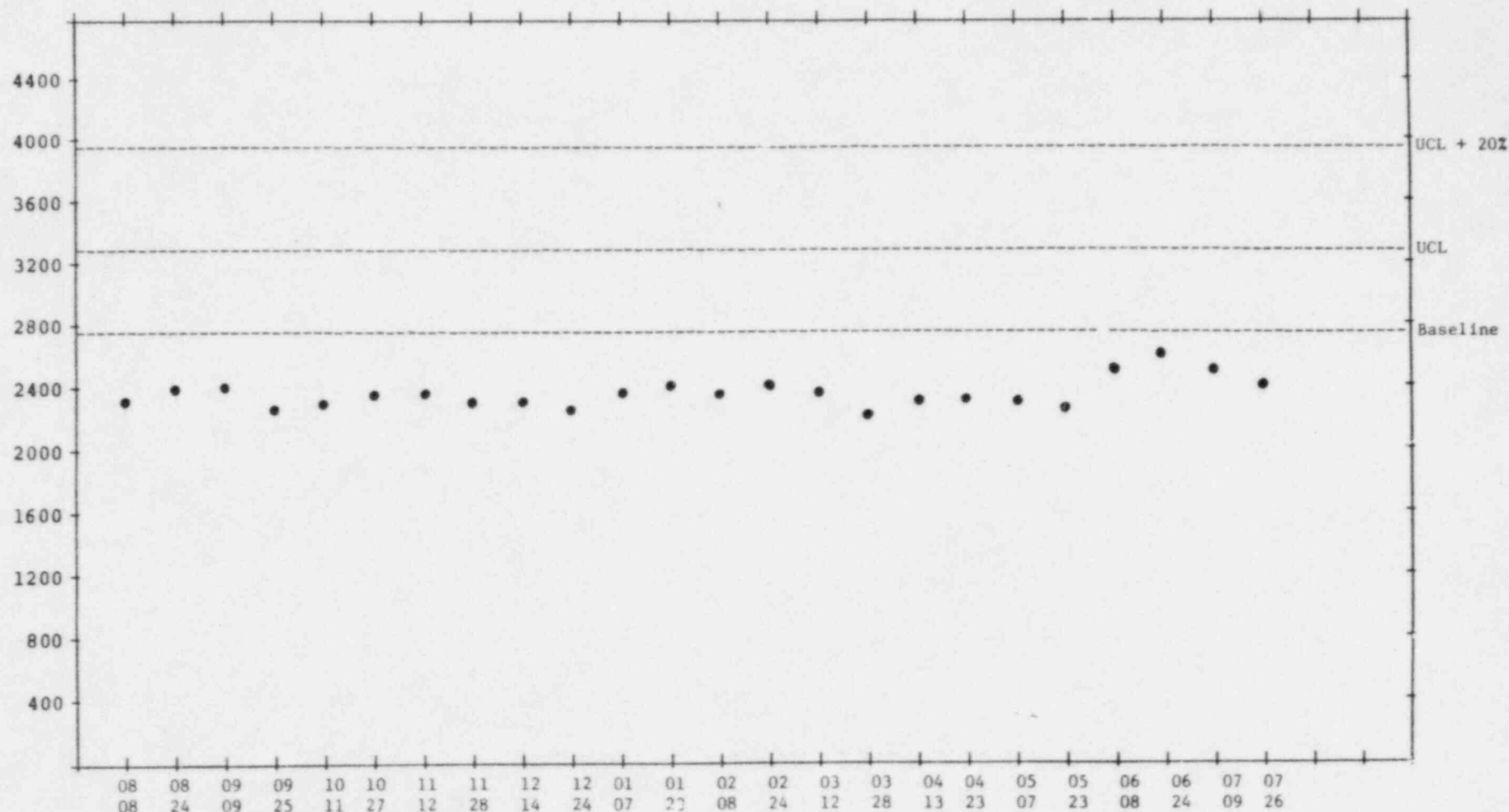
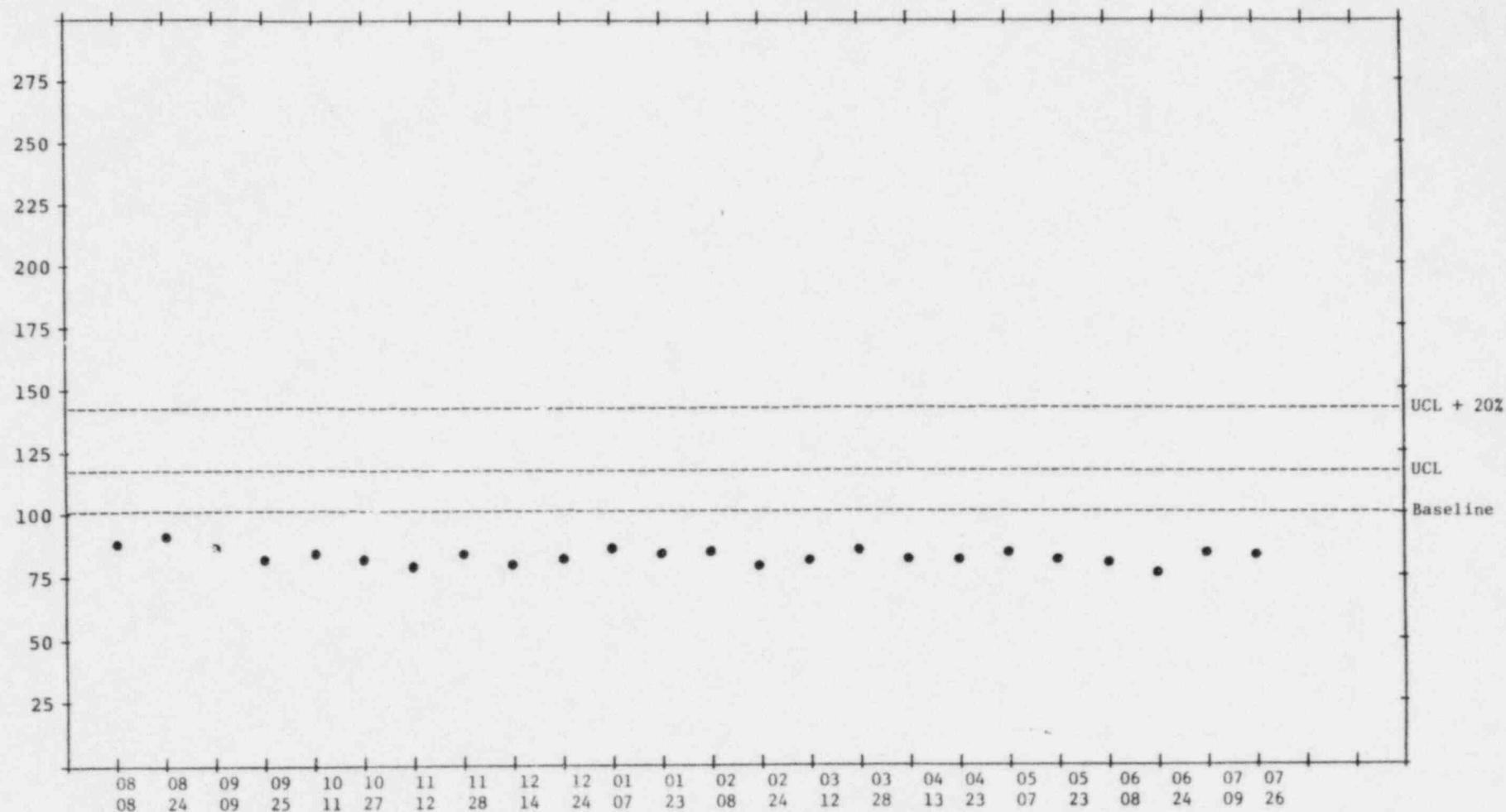


FIGURE NO. 98

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)



MONITOR WELL NO. M-62 (UPPER)

OGLE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: CHLORIDE

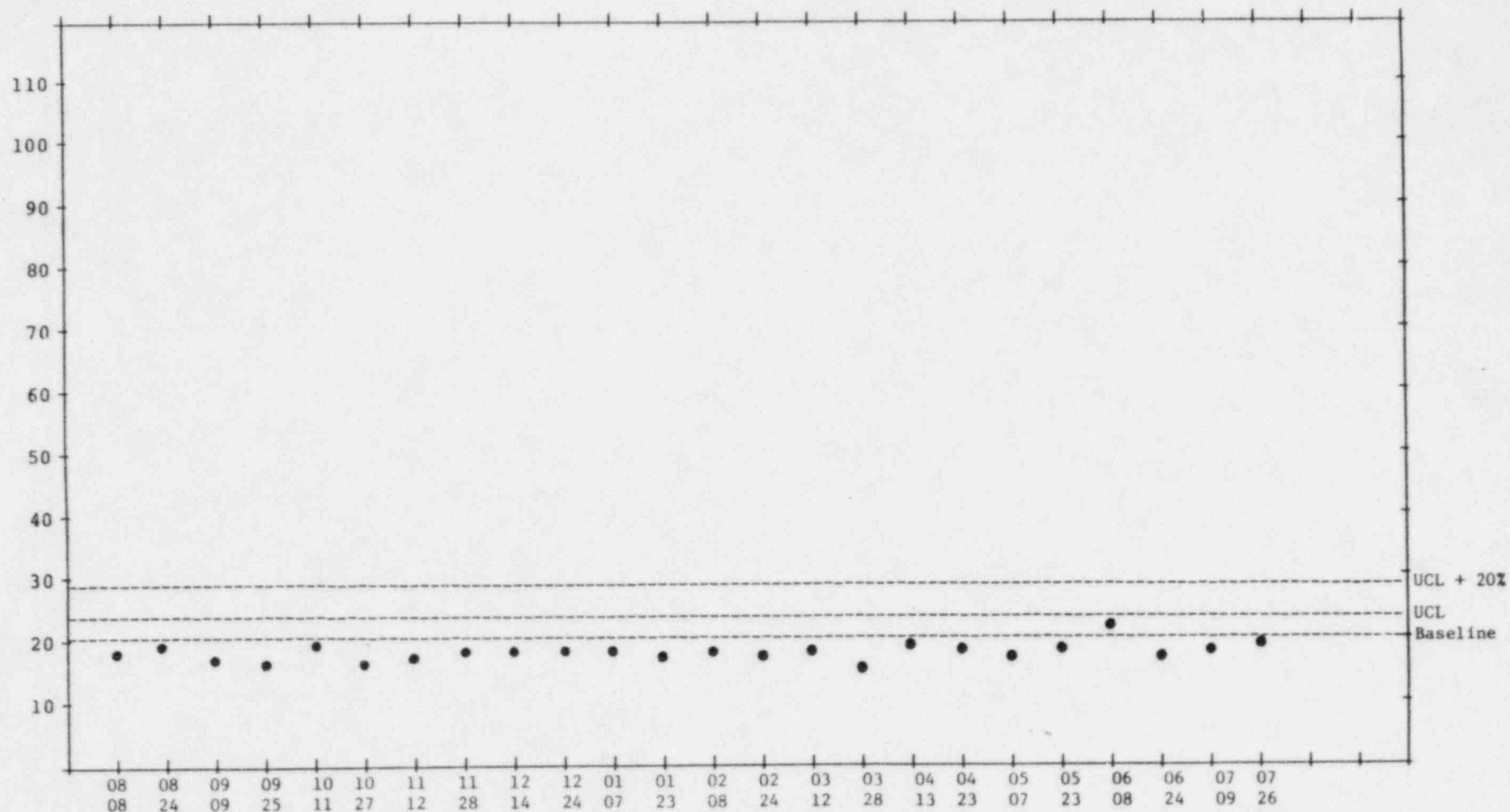
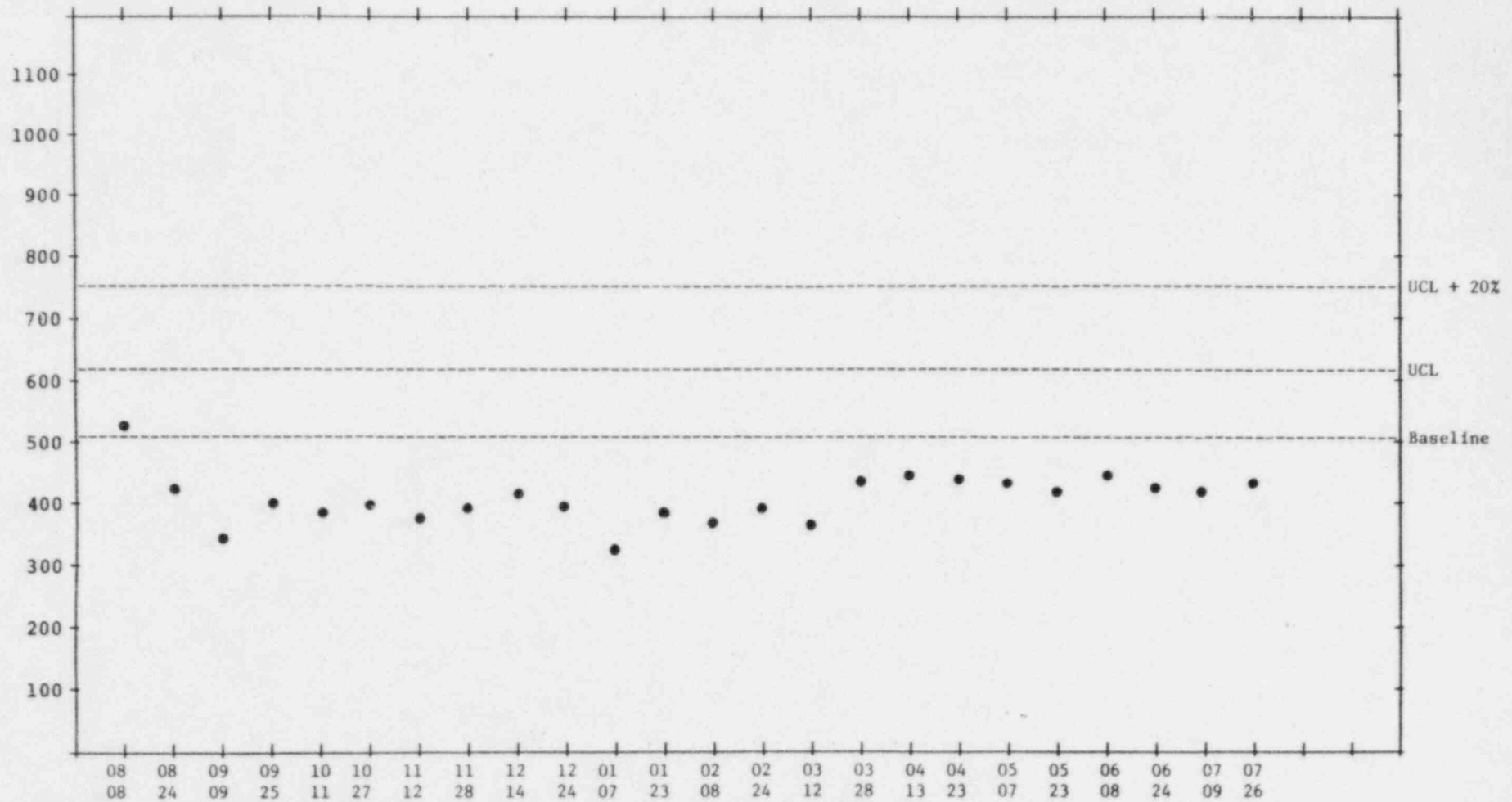
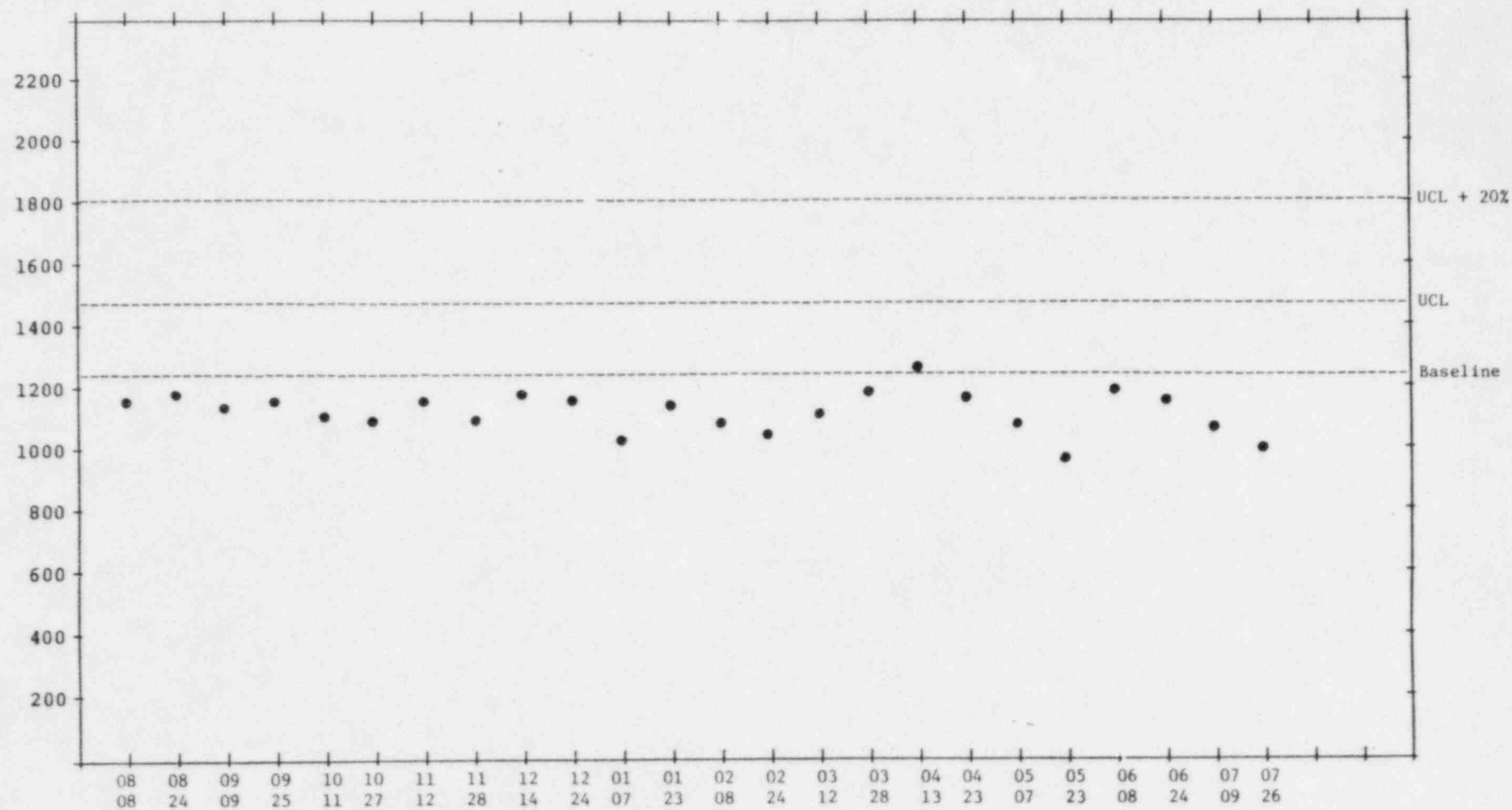


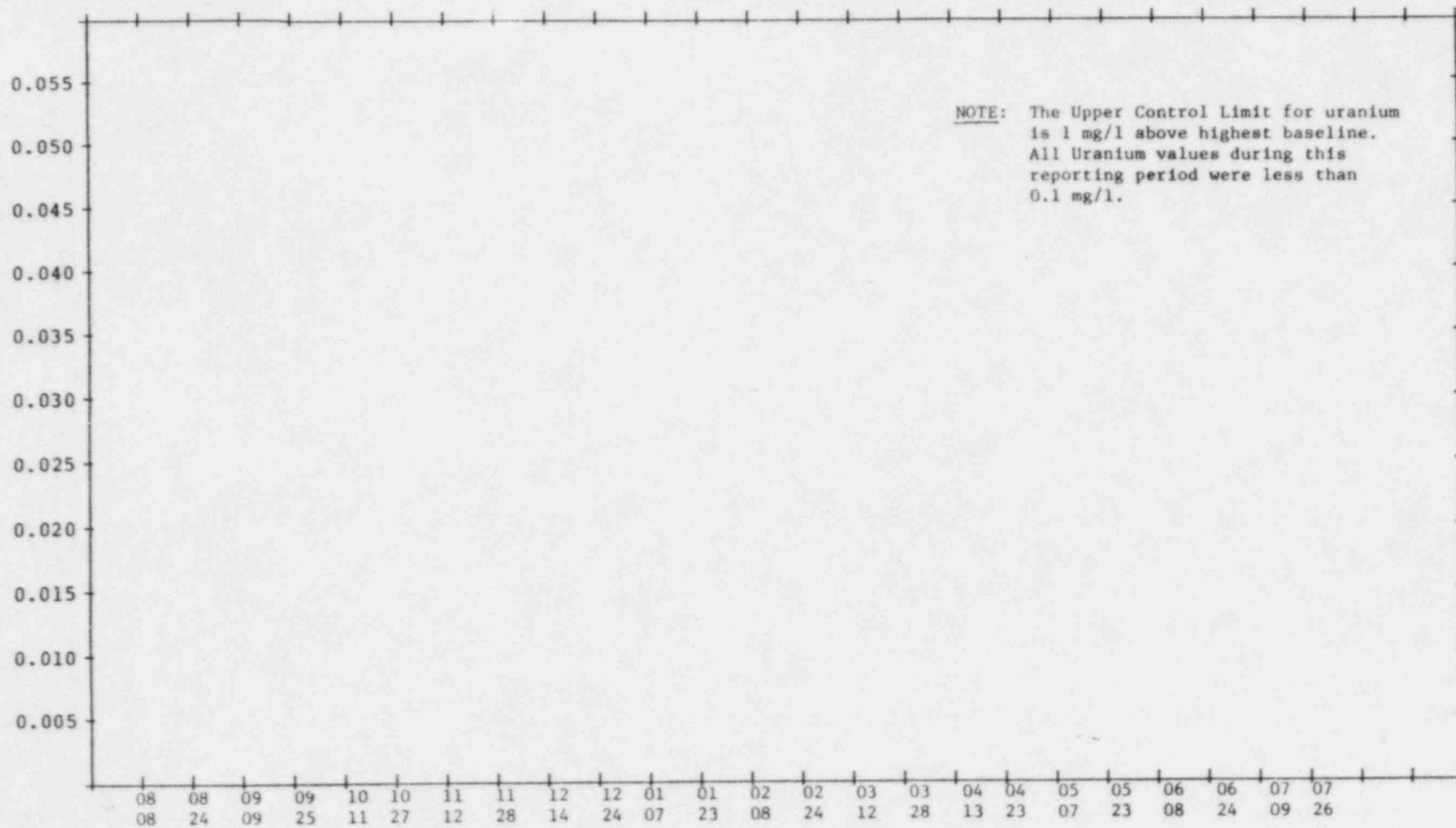
FIGURE NO. 100

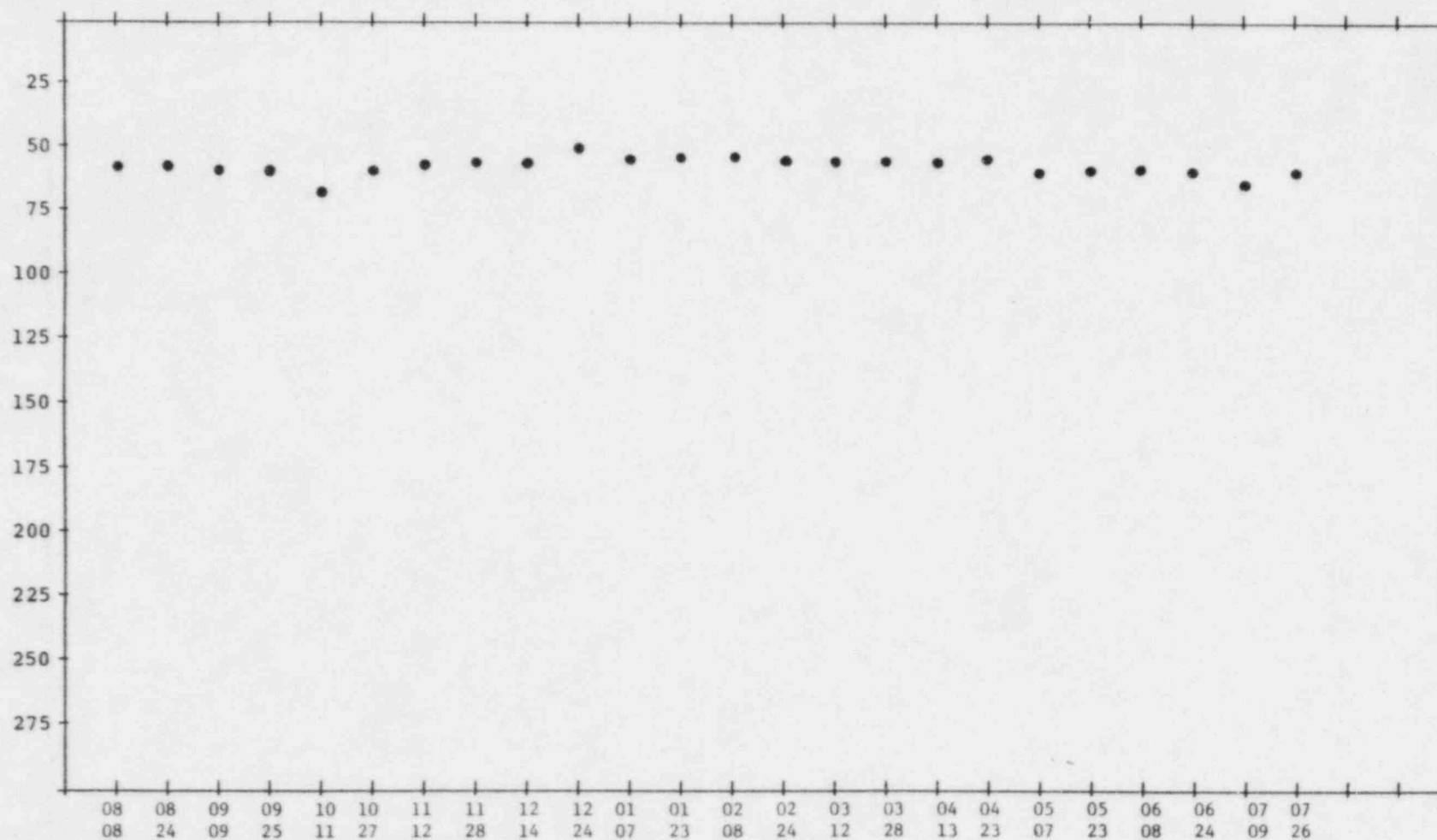
SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

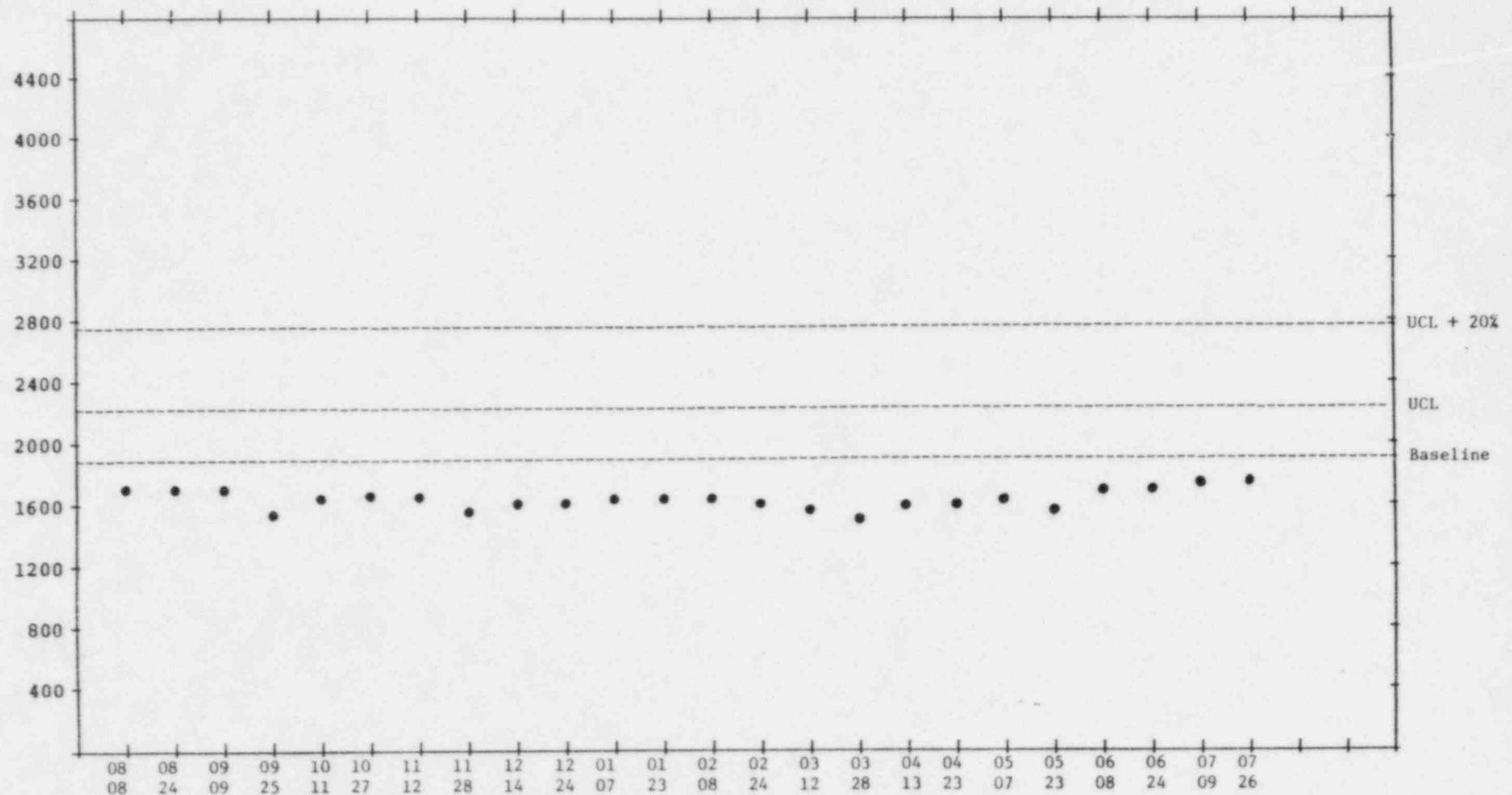
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FIGURE NO. 101SAMPLE COLLECTION DATE
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FIGURE NO. 102SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)PAGE 1 OF 1

FIGURE NO. 103SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)PAGE 1 OF 1

FIGURE NO. 104SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)PAGE 1 OF 1



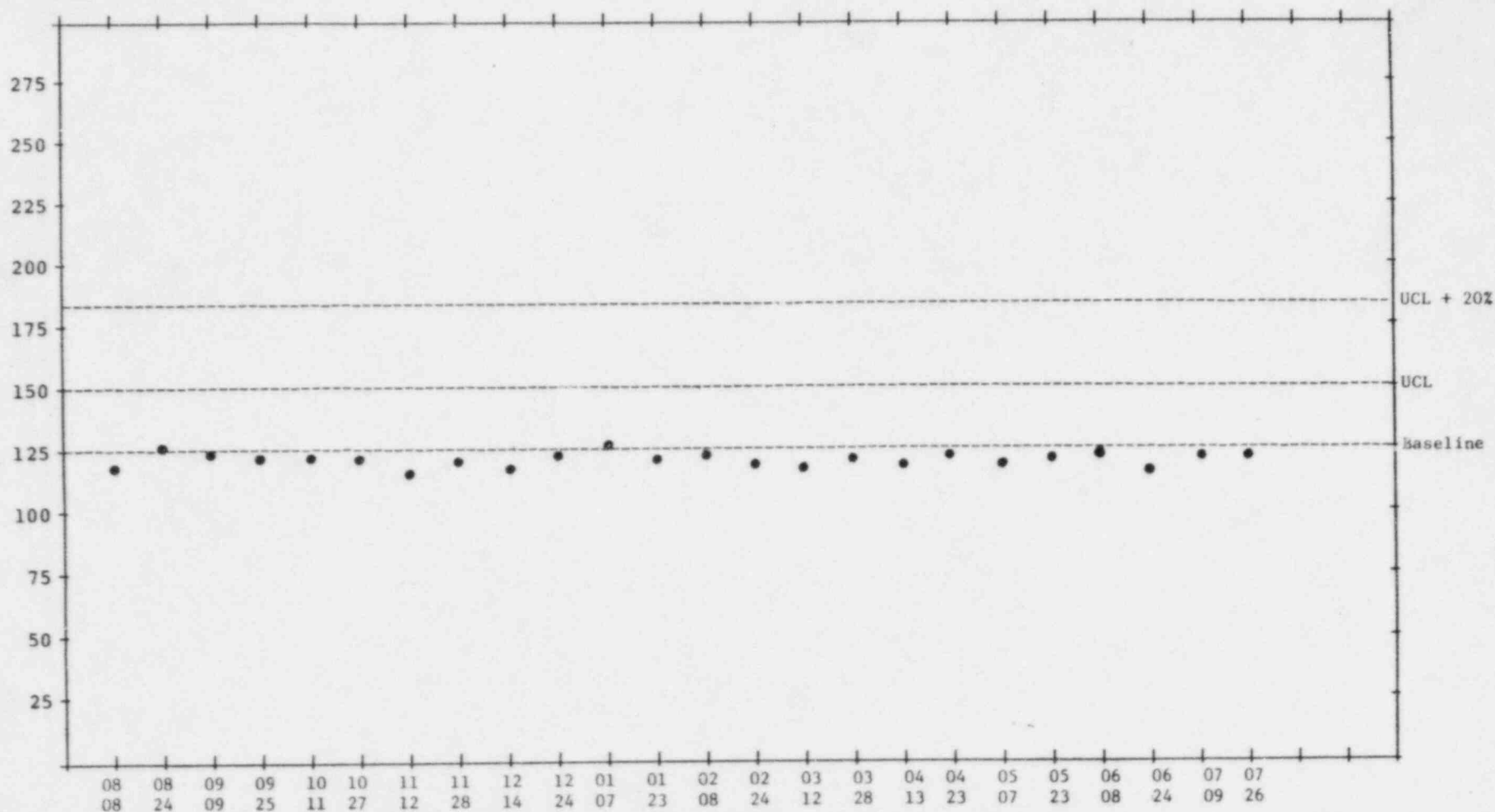


FIGURE NO. 106

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

MONITOR WELL NO. M-19(LOWER)

OGLE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: CHLORIDE

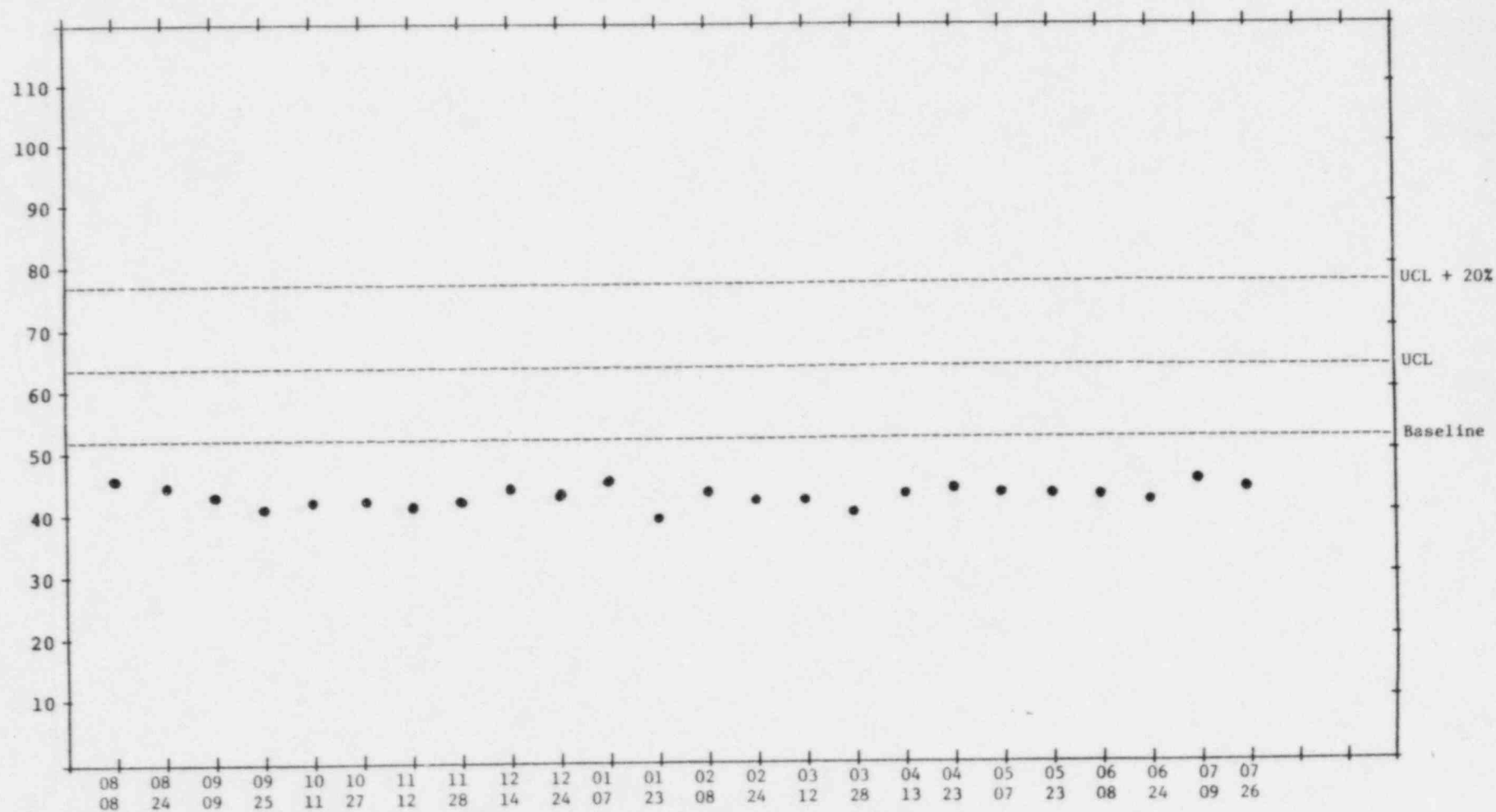


FIGURE NO. 107

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

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MONITOR WELL NO. M-19 (LOWER)

OGLE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: SODIUM

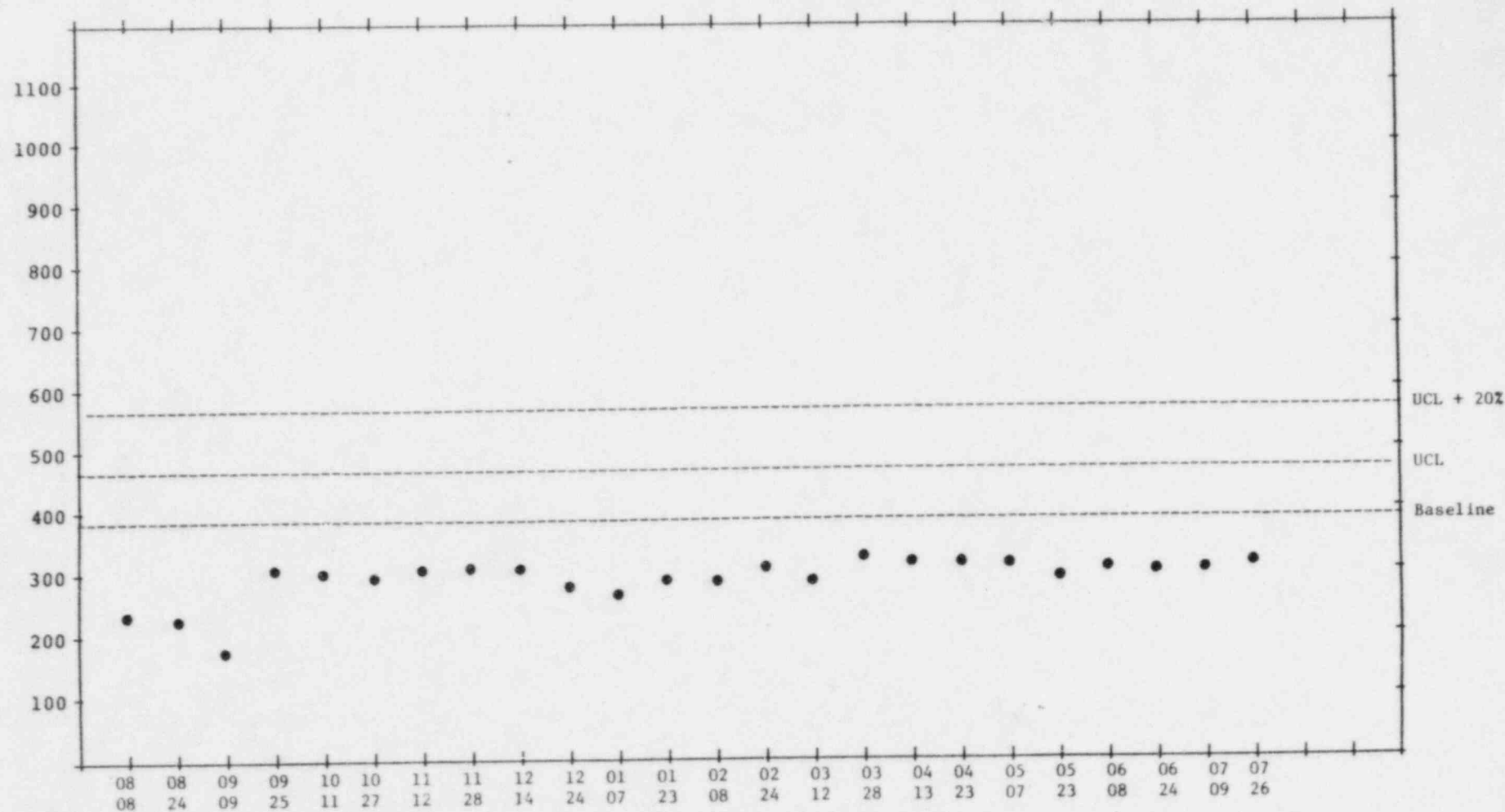
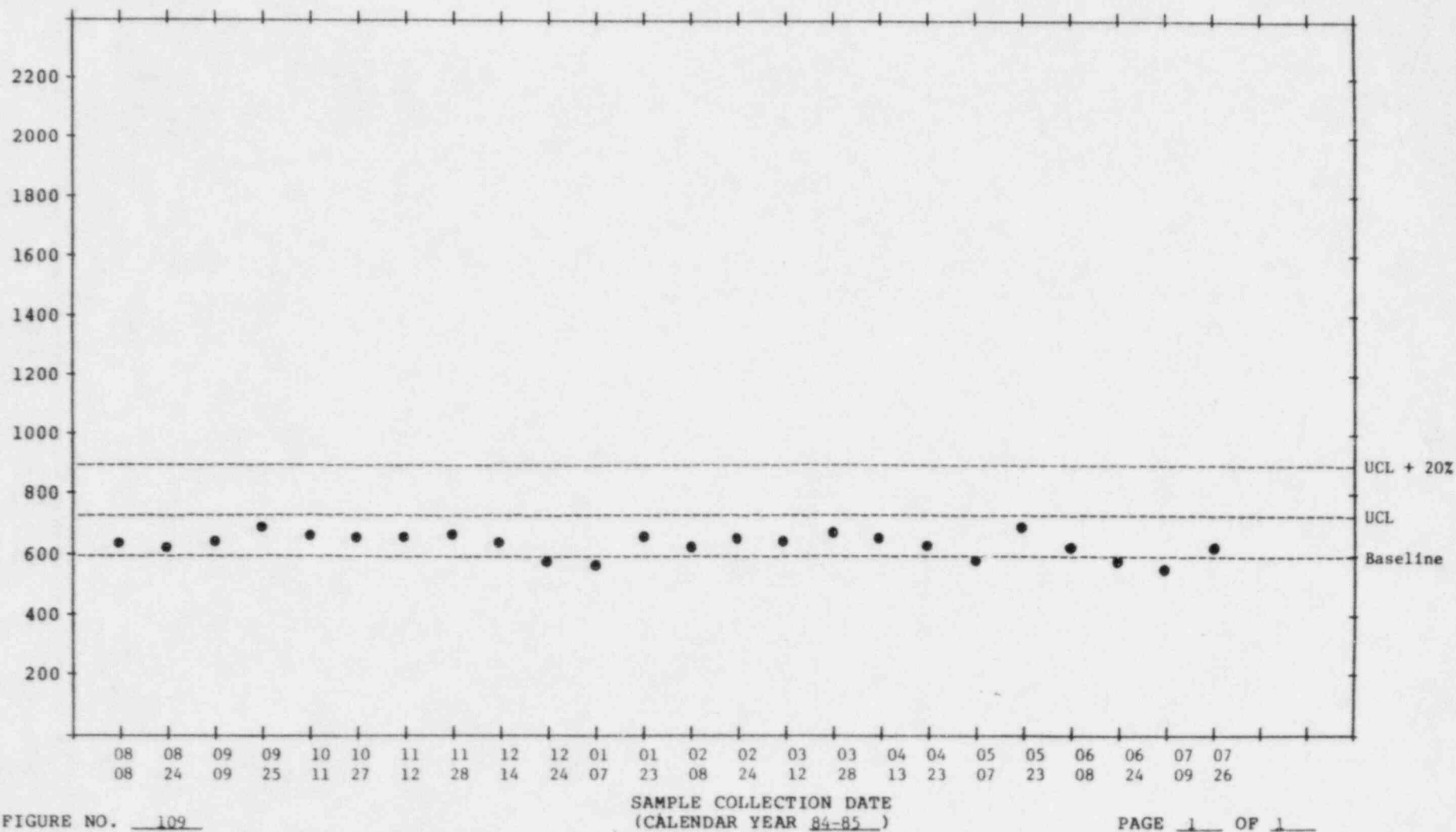
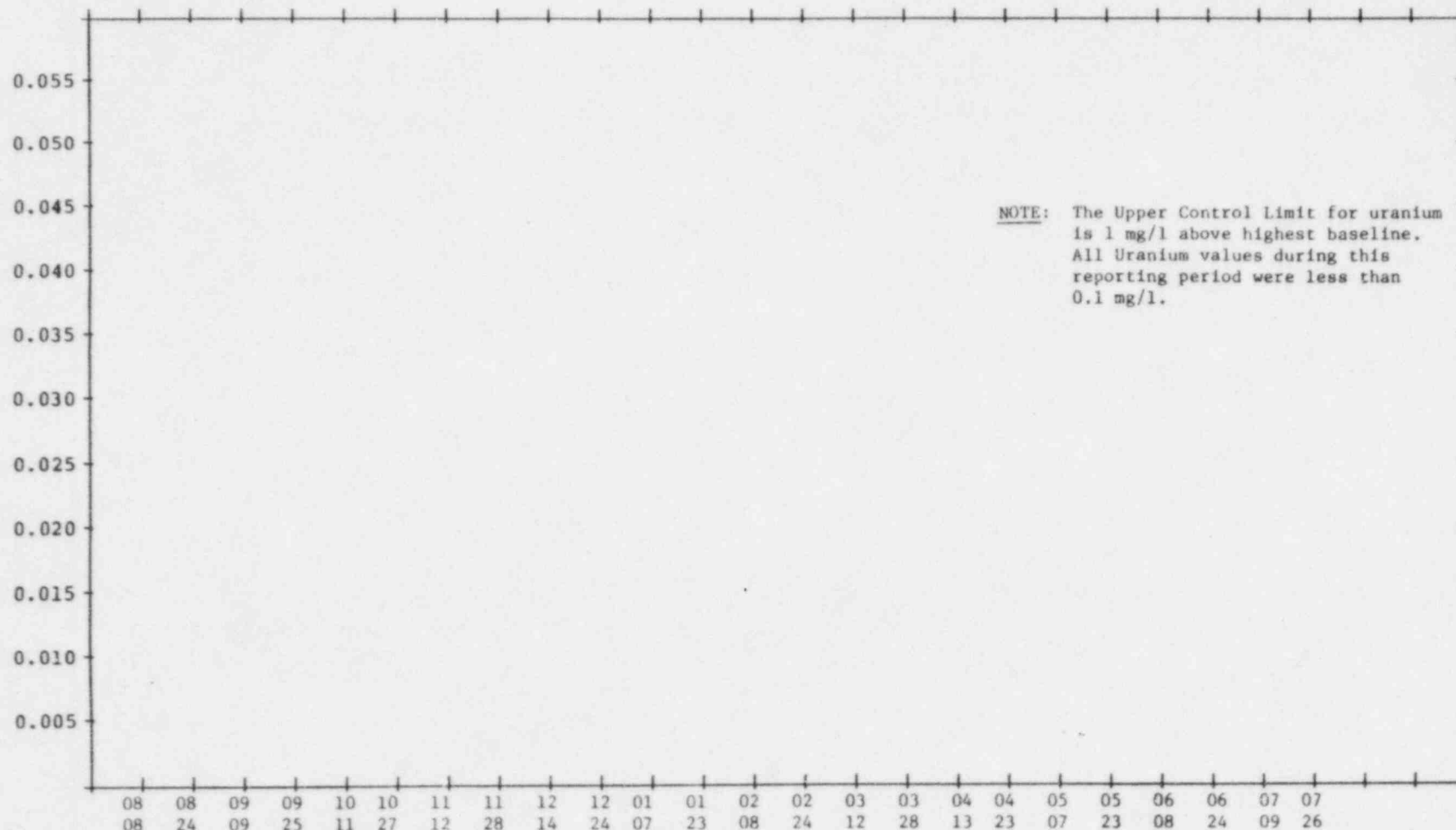


FIGURE NO. 108

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

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FIGURE NO. 110SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)PAGE 1 OF 1

MONITOR WELL NO. M-19 (LOWER)

OGLE PETROLEUM INC.
BISON BASIN PROJECT

EXCURSION PARAMETER: WATER LEVEL

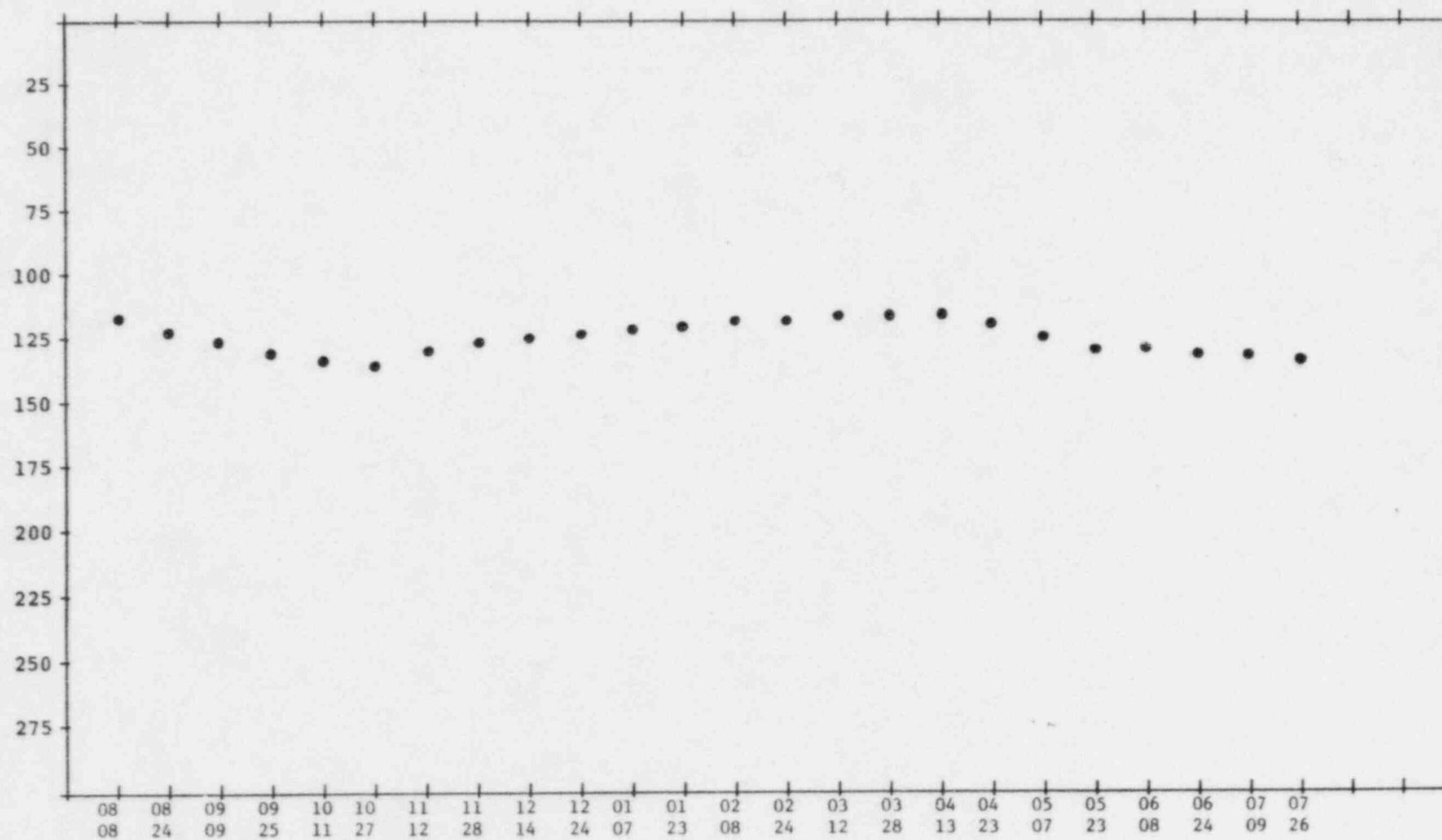


FIGURE NO. 111

SAMPLE COLLECTION DATE
(CALENDAR YEAR 84-85)

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