APPENDIX C

WELL DEVELOPMENT LOGS

Parcel 29
Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: **774645** COST CODE: **01020300** DELIVERY ORDER **CK05**

SITE ID: **LOCATION ID:** FTA-29-GP02 (Well Number) **Static Water Level:** 5.25 ft

Target Purge Volume: _____ gal WELL DEPTH: 10.1 (ft from TOC) Well Casing Diameter: (opt) _____ **Recovery Depth:** _____

Date 1998	Time 24hr 0815	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
16 Dec	08:20	.2	6.2	1	12.7	12.41	4.14	999	3.60	N/A	CKA	TAN, Muddy
	08:25	.2	6.3	2	12.3	12.49	4.41	332	10.84			" "
	08:30	.2	7	3	13.5	12.59	6.50	999	10.01			" "
	08:40	.2	7.2	5	17.4	12.35	4.65	999	8.17			" "
	08:50	.2	7.1	7	17.7	12.18	3.01	67.5	8.10			Clear
	09:00	.2	7.1	9	18.1	12.11	2.40	152	2.58			ADJUSTED PUMP TAN, Cleaning
	09:10	.2	7.3	11	18.7	11.98	1.90	137	2.56			" "
	09:20	.2	7.1	13	18.3	11.83	1.11	285	8.24			" "
	09:30	.3	7.5	16	18.7	11.64	.827	349	7.98			Clear w/ white STUFF FLOATING IN WATER
	09:40	.3	7.5	19	17.6	11.15	.452	360	8.06			" "
	09:50	.3	7.4	22	18.6	11.13	.410	333	7.87			" "

ODOR OF PRODUCT IN WATER

Parcel 29
Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: **774645** COST CODE: **01020300** DELIVERY ORDER **CK05**

SITE ID: **LOCATION ID:** FTA-29-GP02 (Well Number) **Static Water Level:** 5.25 ft

Target Purge Volume: _____ gal WELL DEPTH: 10.1 (ft from TOC) Well Casing Diameter: (opt) 2" **Recovery Depth:** _____

Date 1998	Time 24hr	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
16 Dec	10:00	.3	7.5	25	18.5	11.01	.362	212	1.64	N/A	OKA	clear, w/ white stuff floating in water.
	10:10	.3	7.6	28	18.2	10.55	.257	400	2.35			" "
	10:20	.3	7.6	31	18.6	10.08	.232	320	2.08			" "
	10:30	.3	7.6	34	18.4	9.69	.258	248	7.70			" "
	10:40	.3	7.55	37	18.2	9.50	.283	175	4.73			" "
	10:50	.3	7.6	40	18.0	9.45	.333	112	7.34			" "
	11:00	.3	7.6	43	18.5	9.36	.348	69	2.25			" "
	11:10	.3	7.6	46	18.2	9.27	.352	41	2.36			clearing
	11:20	.3	7.65	49	18.4	9.12	.355	108	1.57			cloudy
	11:30	.3	7.65	51	18.5	9.04	.363	266	2.48			clear
	11:40	3	7.65	54	18.6	8.99	.379	~~32~~ 24.5	1.95			clear

Parcel 29
Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: **774645** COST CODE: **01020300** DELIVERY ORDER **CK05**

SITE ID: **LOCATION ID:** FTA-29-GP03 (Well Number) **Static Water Level:** 10.2 ft

Target Purge Volume: _____ gal WELL DEPTH: ~~29~~ 28.85 (ft from TOC) Well Casing Diameter: (opt) 2' **Recovery Depth:** _____

Date 1998	Time 24hr 1000	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
10 Dec	10:05	.5	13.7	2	18.7	6.96	554	999	8.27	N/A	OKA	Drk, Gray, Cloudy Pump Stopped
	10:15	—	10.2	2	Restarted Pump							
	10:20	.4	14.1	4	19.9	7.26	528	999	8.01			Drk, Gray, Cloudy Pump Stopped
	10:30	—	10.1	4	Restarted Pump							
	10:35	.4	14.1	6	20.6	7.32	.536	999	7.96			Drk, Gray, cloudy Pump Stopped
	10:45	—	10.5	6	Restarted Pump							
	10:50	.5	—	8.5	No readings Taken			Pump STOPPED				
	10:55	—	10.9	8.5	Restarted Pump					NA		
	11:00	.8	22.1	12.5	20.8	7.17	.563	591	1.35			DRK Gray, Cloudy Pump Stopped
	12 ~~:30~~ :45	—	10.2	12.5	Restarted	Pump /	After Thorough			cleaning		Grundfos pump IN OP. Switched To backup
	12 ~~:45~~ :50	1	30.8	17.5	21.4	7.28	.572	999	7.90	N/A		Drk, Gray, Cloudy

Parcel 29
Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: **774645** COST CODE: **01020300** DELIVERY ORDER **CK05**

SITE ID: **LOCATION ID:** FTA-29-GP03 (Well Number) **Static Water Level:** _____ ft

Target Purge Volume: _____ gal WELL DEPTH: ~~49~~ 98.85 (ft from TOC) Well Casing Diameter: (opt) _____ **Recovery Depth:** _____

Date 1998	Time 24hr	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl) 17.5	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
10 Dec	12:55	1.2	**	23.5	20.9	7.22	.590	599	8.20	NA	OKA	Dark, Gray, Cloudy
	13:00	1.2	**	29.5	20.4	7.20	.544	423	1.44			" " "
	13:05	1	xx	34.5	20.0	7.21	.570	961	3.75			" " "
	13:10	1	xx	39.5	20.0	7.21	.554	534	1.66			" " "
	13:15	1	xx	44.5	20.1	7.18	.560	469	1.43			
	13:20	1	xx	49.5	20.2	7.19	.521	644	8.57			"
	13:25	~~.9~~	xx	53.5	20.1	7.22	.538	870	1.97			" "
	13:35	~~.8~~	xx	~~57~~.5	~~19.8~~	7.19	.560	999	8.23			" "
	13:45	~~.9~~	xx	61 ~~58~~.5	19.9	7.13	.569	655	8.10			Cloudy, Gray
	13:55	~~.9~~	xx	~~62~~.5	19.8	7.18	.581	692	4.86			" "
	14:05	~~.9~~	xx	69.5	19.8	7.11	.573	147	8.11			Clearing

32.2 @ 1st pump

Parcel 29
Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: **774645** COST CODE: **01020300** DELIVERY ORDER **CK05**

SITE ID: **LOCATION ID:** FTA-29-GP03 (Well Number) **Static Water Level:** 10.2 ft

Target Purge Volume: _____ gal WELL DEPTH: ~~29.95~~ 29.85 (ft from TOC) Well Casing Diameter: (opt) 2" **Recovery Depth:** _____

Date 1998	Time 24hr	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl) 69.8	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
10 Dec	14:15	.4	* *	73.5	19.7	7.10	.575	49.9	3.74	N/A	OXA	clear
	14:25	.4	* *	77.5	19.7	7.19	.586	64.5	3.21			clear
	14:35	.4	* *	81.5	19.7	7.19	.590	27.7	8.07			clear
	14:40	.4	* *	83.5	19.4	7.14	.593	19.7	3.15			clear
	:		Last Line Used									
	:											
	:			OK Ae								
	:						12-10-98					
	:											
	:											
	:											

Parcel 29
Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: **774645** COST CODE: **01020300** DELIVERY ORDER **CK05**

SITE ID: **LOCATION ID:** FTA-29-GP05 (Well Number) **Static Water Level:** 7.7 ft

Target Purge Volume: ____ gal WELL DEPTH: 17.4 (ft from TOC) Well Casing Diameter: (opt) 2" **Recovery Depth:** ____

Date 1998	Time 24hr 1445	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
14 Dec	14:50	.3	8.1	1.5	18.6	6.98	.570	999	7.59	N/A	OKA	GRAY, MUDDY, CLOUDY
	14:55	.3	8.2	3	19.5	7.02	.546	999	.72			" "
	15:00	.3	8.15	4.5	20.3	7.04	.512	999	.38			TAN, MUDDY CLOUDY
	15:05	.3	8.15	6	20.4	6.98	.494	867	1.37			" "
	15:10	.3	8.1	7.5	20.9	7.01	.494	145	7.67			TAN CLEARING
	15:20	.3	8.1	10.5	19.6	6.93	.473	481	7.41			TAN, MUDDY, CLOUDY
	15:30	.3	8.15	13.5	19.9	6.81	.486	389	7.32			" " "
	15:40	.3	8.15	16.5	19.7	6.82	.487	72.4	1.27			TAN, CLEARING
	15:50	.3	8.15	19.5	19.9	6.97	.485	28.0	7.26			CLEAR
	16:00	.3	8.2	22.5	19.4	6.94	.476	21.9	7.42			"
	16:10	.3	8.15	25.5	19.7	6.96	.487	13.0	7.63			"

NOTE: STRONG ODOR OF PRODUCT IN WELL

SAMPLE TAKEN FOR PHOTO

Parcel 29
Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: 774645 COST CODE: 01020300 DELIVERY ORDER CK05

SITE ID: LOCATION ID: FTA-29-GP06 (Well Number) Static Water Level: 6.15 ft

Target Purge Volume: ____ gal WELL DEPTH: 34.6 (ft from TOC) Well Casing Diameter: (opt) 2" Recovery Depth: ____

Date 1998	Time 24hr 740	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
3 Dec	07:45	.8	26.8	4	24.8	7.24	.455	999	7.25	N/A	CKA/MR	DARK GREY
	07:50	.8	27.15	8	24.0	7.33	.427	999	.43			" "
	07:55	.8	28.5	12	23.6	7.42	.386	999	.33			" "
	08:00	.4	27.8	14	23.4	7.42	.391	999	.52			" "
	08:05	.4	31.1	16	23.6	7.47	.389	999	7.40			" "
	08:10	.4	31.2	18	23.3	7.53	.431	999	1.12			" "
	08:15	.4	32.3	20	23.4	7.51	.368	999	2.78			" "
	08:20	.4	31.7	22	22.9	7.52	.440	999	.61			" "
	08:25	.4	32.5	24	23.1	7.47	.437	999	1.71			
	08:27	.4	—	25	—	STOPPED PUMPING WELL DRY			—			—
	09:20	—	9.7	25	—	RESUMED PUMPING						

Recharge 15'-14' = 2.40 12'-11' = 4.15
14'-13' = 3.00 11'-10' 5.30
13'-12' = 3.19

Parcel 29
Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: **774645** COST CODE: **01020300** DELIVERY ORDER **CK05**

SITE ID: **LOCATION ID:** FTA-29-GP06 (Well Number) **Static Water Level:** 6.15 ft

Target Purge Volume: _____ gal WELL DEPTH: 34.6 (ft from TOC) Well Casing Diameter: (opt) _____ **Recovery Depth:** _____

Date 1998	Time 24hr	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
3 Dec	09:25	1	26.7	30	24.8	7.69	.380	667	7.47	N/A	OHA/MR	GREY CLOUDY
	09:30	1	30.5	35	24.5	7.61	.358	204	2.16			CLOUDY CLEARING
	09:32	1	—	37	well Dry							
	10:30		9.3	37	RESUMED PUMPING							
	10:35	.8	24.4	41	24.7	6.96	.369	772	4.28			GREY CLOUDY
	10:40	.8	32.5	45	24.0	7.27	.365	999.	1.74			" "
	10:43	.8	—	47.4	well dry							"
	12:00	—	13	—	STARTED pumping / SURGED				Blocked			
	12:05	.4	18	49	24.2	7.57	.382	999	3.93			
	12:10	.3	20.2	50.5	24.0	7.61	.380	999	3.89			
	12:15	STARTED pumped again. pump clogged										

Parcel ___
Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: **774645** COST CODE: **01020300** DELIVERY ORDER **CK05**

SITE ID: **LOCATION ID:** ETA-29-GP06 (Well Number) **Static Water Level:** 6.15 ft

Target Purge Volume: ____ gal WELL DEPTH: 34.6 (ft from TOC) Well Casing Diameter: (opt) 2" **Recovery Depth:** ____

Date 1998	Time 24hr	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
03 DEC.	12:20	.3	19.8	52	24.3	7.55	.371	999	2.77	NA	OA/MR	GREY CLOUDY
	12:35	—	14.4	Pump	Blocked, stopped to			clean				STARTED AGAIN
	12:40	.4	21.3	54	23.9	7.53	.372	332	8.27			GREY CLOUDY
	12:45	.4	23	56	25.3	7.54	.381	689	3.10			" "
	12:50	.4	23.6	58	25.4	7.60	.375	535	7.58			" "
	12:55	.4	23.9	60	25.2	7.55	.374	329	2.27			CLOUDY, CLEARING
	13:00	.3	23.9	61.5	25.2	7.75	.383	222	2.31			" "
	13:05	.4	24.5	63.5	24.9	7.58	.377	146	2.45			" "
	13:10	.4	24.8	65.5	25.1	7.54	.376	111	1.86			" "
	13:15	.4	24.9	67.5	25.0	7.56	.390	284	2.35			" "
—	13:20	.4	25.2	69.5	25.1	7.56	.381	276	2.07	—	—	" "

Parcel ____
Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: **774645** COST CODE: **01020300** DELIVERY ORDER **CK05**

SITE ID: **LOCATION ID:** FTA-29-GP06 (Well Number) **Static Water Level:** 6.15 ft

Target Purge Volume: ____ gal WELL DEPTH: 34.6 (ft from TOC) Well Casing Diameter: (opt) 2" **Recovery Depth:** ____

Date 1998	Time 24hr	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
03 DEC	13:25	.3	25.4	71	25.7	7.59	.386	600	2.21	NA	OA/ML	GREY CLOUDY
	13:30	.3	25.5	72.5	25.6	7.60	.380	780	1.92			" "
	13:35	.3	25.7	74	25.4	7.58	.381	795	7.71			" "
	13:40	.3	25.8	75.5	25.2	7.57	.375	733	1.97			" "
	13:45	.3	25.8	77	25.0	7.55	.376	585	1.66			" "
	13:50	.3	25.85	78.5	25.0	7.56	.376	378	1.76			CLOUDY, CLEARING
	13:55	.3	25.9	80	25.1	7.57	.380	252	7.79			" "
	14:00	.3	25.95	81.5	25.1	7.56	.379	190	1.28			" "
	14:05	.3	25.95	83	25.1	7.58	.377	129	1.33			" "
	14:10	.3	25.95	84.5	25.0	7.55	.377	55	1.38			" "
	14:15	.3	26	86	25.1	7.51	.379	50	1.35			" "

Parcel 29
Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: **774645** COST CODE: **01020300** DELIVERY ORDER **CK05**

SITE ID: **LOCATION ID:** FTA-29-GP06 (Well Number) **Static Water Level:** 6.15 ft

Target Purge Volume: ____ gal WELL DEPTH: 34.6 (ft from TOC) Well Casing Diameter: (opt) 2" **Recovery Depth:** ____

Date 1998	Time 24hr	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
03DEC	14:20	.3	26	87.5	24.9	7.57	.380	40.9	1.14	NA	OA/MR	CLEARING
	14:25	.3	26	89	25.1	7.55	.381	38.9	7.62			"
	14:30	.3	26.1	90.5	25.0	7.52	.381	29.8	1.26			"
	14:35	.3	26.1	92	25.2	7.51	.377	33.6	1.18			"
	14:40	.3	26.1	93.5	25.3	7.62	.376	45.4	7.74			"
	14:45	.3	26.1	95	25.3	7.63	.382	45.6	1.77			"
	14:50	.3	26.15	96.5	25.1	7.59	.372	47.9	1.34			"
	14:55	.3	26.2	98	25.2	7.63	.374	51.7	1.03			CLOUDING
	15:00	.3	26.2	99.5	25.1	7.61	.376	61.7	2.56			"
	:	Wash	Line	4 Sed								
	:			OK								

12-3-98

Parcel 29

Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: **774645** COST CODE: **01020300** DELIVERY ORDER **CK05**

SITE ID: **LOCATION ID:** FTA-29-GP07 (Well Number) **Static Water Level:** 12.1" ft

Target Purge Volume: ____ gal WELL DEPTH: 32.3" (ft from TOC) Well Casing Diameter: (opt) 2" **Recovery Depth:** ____

Date 1998	Time 24hr 10:00	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
4 Dec	10:05	.8	14.8	4	25.4	7.15	.615	999	.41	NA	OA/MR	DARK GREY
	10:10	.8	14.1	8	25.5	7.22	.617	999	.44			" "
	10:15	1	14.5	13	25.6	7.23	.610	999	.19			" "
	10:20	1	14.5	18	25.8	7.23	.619	434	.83			CLOUDY CLEARING
	10:25	1	14.5	23	25.5	7.24	.625	672	.48			" "
	10:30	1	14.45	28	25.1	7.15	.603	645	.83			CLOUDY
	10:40	1	14.5	38	24.7	7.12	.612	645	7.98			" "
	10:50	1	14.55	48	24.7	7.16	.612	722	.68			"
	11:00	1	14.5	58	24.5	7.12	.610	650	.78			"
	11:10	1	14.5	68	24.5	7.18	.613	518	8.40			CLOUDY CLEARING
←	11:20	1	14.5	78	24.3	7.16	.608	543	1.35	↓	↓	" "

Parcel 29
Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: **774645** COST CODE: **01020300** DELIVERY ORDER **CK05**

SITE ID: **LOCATION ID:** FTA-29-GP07 (Well Number) **Static Water Level:** 12.1 ft

Target Purge Volume: ____ gal WELL DEPTH: 32.3' (ft from TOC) Well Casing Diameter: (opt) 2" **Recovery Depth:** ____

Date 1998	Time 24hr	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
04 DEC	11:30	1	14.6	88	24.4	7.24	.613	396	1.40	NA	OA/MR	CLOUDY CLEARING
	11:40	1	14.6	98	23.9	7.02	.608	305	1.67			" "
	11:50	1	14.6	108	24.3	6.92	.612	285	8.25			" "
	12:00	1	14.62	118	24.6	6.99	.603	209	1.01			" "
	12:10	1	14.65	128	24.9	6.56	.612	159	1.87			CLEARING
	12:20	1	14.68	138	25.0	7.20	.610	144	1.00			"
	12:30	1	14.68	148	24.2	7.14	.608	134	1.47			" "
	12:40	1	14.7	158	24.4	7.16	.609	101	1.17			"
	12:50	1	14.7	168	24.9	7.12	.611	71.9	1.85			"
	13:00	1	14.72	178	24.5	7.19	.609	64.9	1.57			"
↓	13:10	1	14.75	188	24.1	6.97	.601	54.1	1.68	↓	↓	"

Parcel 29
Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: **774645** COST CODE: **01020300** DELIVERY ORDER **CK05**

SITE ID: **LOCATION ID:** ETA-29-GP07 (Well Number) **Static Water Level:** 12.1 ft

Target Purge Volume: ____ gal WELL DEPTH: 32.3' (ft from TOC) Well Casing Diameter: (opt) 2" **Recovery Depth:** ____

Date 1998	Time 24hr	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
04 DEC	13:20	1	14.78	198	24.4	7.17	.607	51.2	1.21	NA	OA/MR	CLEARING
	13:30	1	14.78	208	24.4	7.20	.607	45.9	1.24			"
	13:40	1	14.8	218	24.3	6.64	.602	35.4	1.25			"
	13:50	1	14.82	228	24.2	6.45	.610	29.5	.80			"
	14:00	1	14.85	238	24.4	7.14	.606	28.5	8.29			"
	:	LAST	Line	Used								
	:											
	:				O.K.			12-3-98				
	:											
	:											
	:											

Parcel 29
Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: **774645** COST CODE: **01020300** DELIVERY ORDER **CK05**

SITE ID: **LOCATION ID:** FTA-29-GP08 (Well Number) **Static Water Level:** 12.8 ft

Target Purge Volume: ____ gal WELL DEPTH: 42.9 (ft from TOC) Well Casing Diameter: (opt) 2" **Recovery Depth:** ____

Date 1998	Time 24hr 15:15	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
10 Dec	15 :20	1	23.3	5	19.8	7.43	.479	999	1.72	N/A	OKA	DRK. GRAY, CLOUDY
	15 :25	1	24.5	10	19.9	7.29	.491	999	1.80			GRAY, CLOUDY
	15 :30	1	24.85	15	20.3	7.25	.501	999	8.11			GRAY, CLOUDY
	15 :35	1	25.07	20	20.3	7.19	.508	513	7.84			GRAY, CLOUDY
	15 :40	1	25.1	25	20.4	7.19	.513	268	2.34			CLOUDY, CLEARING
	15 :50	1	25.2	35	19.9	7.17	.519	108	1.87			CLEARING
	16 :00	1	25.2	45	19.7	7.22	.538	43	7.64			CLEAR
	16 :10	1	25.3	55	19.7	7.21	.522	19.8	1.91			CLEAR
	:	LAST	LINE	USED								
	:				OKA							
	:											

Parcel 29
Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: **774645** COST CODE: **01020300** DELIVERY ORDER **CK05**

SITE ID: **LOCATION ID:** FTA-29-GP1D (Well Number) **Static Water Level:** 9.45 ft

Target Purge Volume: ____ gal WELL DEPTH: 15.2 (ft from TOC) Well Casing Diameter: (opt) ____ **Recovery Depth:** ____

Date 1998	Time 24hr 755	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
11 Dec	08:00	1	*	1	NO READINGS TAKEN, PUMP STOPPED @ 0801						N/A	BROWN, CLOUDY
	08:03	1	*	2	22.4	6.67	.405	999	7.54	N/A		BROWN, CLOUDY PUMP STOPPED @ 0804
	08:11	—	—	2	STARTED PUMPING							—
	08:12	1	*	3	PUMP STOPPED / WELL DRY /							BROWN, CLOUDY
	08:18	—	—	3	STARTED PUMP							—
	08:19	1	*	4	20.4	6.64	.537	999	6.98			BROWN CLOUDY
	08:23	—	—	4	STARTED PUMP							—
	08:24	1	**	5	20.3	6.73	.580	999	7.14			BROWN CLOUDY
	08:27			5	STARTED PUMP							—
	08:28	1	**	6	20.5	6.70	.592	999	1.62			" "
	08:33	—	—	6	STARTED PUMP							—

Parcel 29
Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: 774645 COST CODE: 01020300 DELIVERY ORDER CK05

SITE ID: LOCATION ID: FTA-29-GP10 (Well Number) Static Water Level: 9.45 ft

Target Purge Volume: _____ gal WELL DEPTH: 15.2 (ft from TOC) Well Casing Diameter: (opt) 2" Recovery Depth: _____

Date 1998	Time 24hr	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
11 Dec	08:34	1	*	7	21.0	6.94	.631	999	7.25	NA	DKA	BROWN, cloudy
*	08:38	1	*	8	21.1	6.96	.638	999	6.99			" "
*	08:41	1	*	9								" "
*	08:44	1	*	10								" "
*	08:46	1	*	11		Pump 5 Gal then take Reading						" "
*	08:50	1	*	12								" "
*	08:52	1	*	13	20.4	6.92	.638	999	6.74			" "
	0857 0900 0903	1	*	18	20.7	6.88	.669	999	6.69			" "
	0915 0923 0919 :0927 0931	1	*	23	20.6	6.86	.699	204	6.72			TAN, Cloudy
	0935 0947 0939 :0951 0943	1	*	28	20.2	6.76	.690	887	7.00			TAN, Cloudy
	0955 1003 0959 :1007 1011	1	*	33	20.0	6.92	.710	642	6.77			TAN, Cloudy

NOTE: will Take readings every 5 gal * Water level Below 1ST Pump

* START Pump for 1 min intervals

/ photo sample Taken

Parcel 29
Groundwater Well Development Log

Fort McClellan , Alabama

PROJECT: **774645** COST CODE: **01020300** DELIVERY ORDER **CK05**

SITE ID: **LOCATION ID:** FTA-29-GP10 (Well Number) **Static Water Level:** 9.45 ft

Target Purge Volume: ____ gal WELL DEPTH: 15.2 (ft from TOC) Well Casing Diameter: (opt) 2" **Recovery Depth:** ____

Date 1998	Time 24hr	Purge Rate (gal/min)	Dynamic H2O Level (ft)	Volume Purged (gl)	Temp C°	pH	Cond. mMhos/cm	Turbidity (NTU)	Dissolved oxygen (mg/L)	Redox (mV)	Prepared By:	Water Description
11 Dec	1015 1027 1019 : 1031 1023	1	*	38	20.3	6.76	.707	215	6.79	NA	OA	TAN, cloudy
|	1040 1052 1044 : 1056 1048	1	*	43	19.9	6.56	.682	423	7.07	|	|	"
	1100 1112 1104 : 1116 1109	1	*	48	20.1	6.99	.689	908	7.02			"
	1120 1132 1124 : 1136 1130	1	*	53	21.0	6.95	.685	551	2.14			"
✓ |	1140 1152 1144 : 1156 1148	1	*	58	21.6	6.99	.693		7.55			"
	:	LAST Line Used										
	:											"
	:											
	:				12-11-98							
	:											
	:									|	|	