496			1	ET CO	GL	.04820	OGGED BY JFM	+ 4	B	PROJECT I	10. 79	-290-	-45
			L				ATE (S) T65/R6			PROJECT I		MX	T 10
				WELL CO	NSTRUCTION)		J17126						
	L						0.7111	1	ELEVATION	EVEL #	4690'		
1	KEI	LL SK	ETC	H concert	LOCATION OR COOR	DINATES 78	S/R63E121	3)	TOP OF C	ASING A	4691	AMARIA I	1 120
100	13	7	45	$f_{i} = \int_{M} \frac{M}{k} dx$			35, R64 E; Seo			3/M -			
	C		0				55,4042,20	1// ~	Q		Carmen .		The second second
	1	W			DRILLING SUMMAR) V			PACKERS _	9			
100	0	1	0			3413		=			-014	001	
300	0		0		TOTAL DEPTH DRILL	ED _/0/		-710	CENTRALI	ZERS EVE	K7 /	00'	
	0	. 4			ROTARY			-	cusheta (DIVEL DIO	10"	To 400	,,
	0		0	GRAKE	DRILLING CONTRAC	TOR, OLA	1217	1.0 b				1010'	
	0		0	6-24	RIG (S) USED B	ucles Auge	R 0'50 40'	·:				EPTH (S) ∅	
400	10		0		REVERSE ROTA						165		Ď.
			:		SIZE (S) AND TYPE	E (S) OF BI	IES 1850 DRA	96,	BENTONITE		n _e = 0	40.11	
200	<u>-</u>		1.		& TRICONE	& CLUS	STER BITS.		PELLETS				
	,		ı.	BLANK			GEN A, POLYM	CR	SLURRY .		Lawrence of the Control of the Contr	and the second of the second o	
].!		1	_82,	- WACI			_	DEVELOPM	ENT	107		
500			·		SAMPLING METHOD _ BUCKET AT		POM BACKHOK	-	TREMIE_			70	
				· ccal				- .	DEPTH _		N.C.	-15,000 T	
7			1	SCREEN	COMMENTS (PROBLE		1 1 2 1 3 1 1 1		TIME	1	The Maria		·
	1.						Jelani.		TIME LOG				12
500	4	1		NECE			190° e 200° i			START	FINISH	ELAPSED	% 0F
szo'	1 , 1.	1-1-1	4	PAK					DRILLING	12600 71	2-11-80	TIME	82%
650	1:1		ا:٠		DESIGN				LOGGING	12	2.11.80	134461	02.10
170	1.1	==	:			1		=	CASING	2/11/20	7/12/50	-18,815	110%
100	1.1	1			BASIS DRILLER'S			-	GRAVEL	-1100	2/12/20	1.1115	
100.	1 . 1 .				GEOLOGIC L	L LOG	2n	7	PACKING CEMENTING	7.7	1/27/24	31	5%
	[:[ACHEDYE		-	BENTONITE	2/12/5	3/13/50	3hrs	2%
750	1:1:	EE,	-		STEEL CASING S		*		PELLETS. SLURRY	71175	. /3		
770	 : ⁻	-			FROM 600	10	620	·/** »	DEVELOP_			*	
300'	1:1-			16 0 ts.	FROM 650	TO	670	_	MENT	ie.			
820'	ŀ: ≐	-=		*	FROM 700	10	700	<u>.</u> .	•				
50	. -				FROM 750	TO	770	- · .					
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100'					Per Castill			1					-
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150'	٠,		٠.		FROM 900	70	920	-		Ĵ.	14.0		
70'	: =	== ;			FROM 950	10	110 .	- HI	SCELLANE	OUS	\$ 1		
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00,	50	200	10	DIO'TO		10		-				INTERUM	BELLOW
					CASING	STEEL	- Pyc	: ,				NOUCTOR	
The state of the s			The state of the s		DIMENSIONS			-				BELOW 7	
CHARLES OF THE PARTY OF THE PAR			- Annahaman		DIMENSIONS 10	0" 10		-	acuro				
- Annual Control			N. Control of the Con		SLOT SIZE						100	218, 5 F	
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-Juan	od Hategual, end.	PAGE 1 OF 11
DRILL	CUTTINGS LOG	FIELD LOG OF WELL NUMBER TW-1
PROTECT NU	MBER 79-290- <u>45</u>	VALLEY NAMEDry Lake
	HE MX SITING INVESTIGATION	LOCATION NUMBER T6S, R63E, Sec. 12d
FOIL PMENT I	JSED Bucket Auger 0'-40' Reverse	LOGGED BY JM DATE 2-6-80
COMPANY		CHECKED BY JAG DATE 4/10/80
•-	J. Clyde	TOTAL WELL DEPTH 1010 feet
DEPTH (FEET)	DESCRIPTION OF	CUTTINGS OR SAMPLE
0 —	Silt: Tan silt with occasi	ional gravel up to l½".
30 —	coarse-grained, poorly sort sand with less than 10% gra	m to dark colored, subrounded
40	Gravel: Medium colored, mod subrounded, fine to coarse	
50 — III —	Gravel up to 1".	
60 =		
70		derately sorted, subangular to gravel up to lኒ" with less than
80	Gravel up to 14".	
100 = 1		

DRILL CUTTINGS LOG

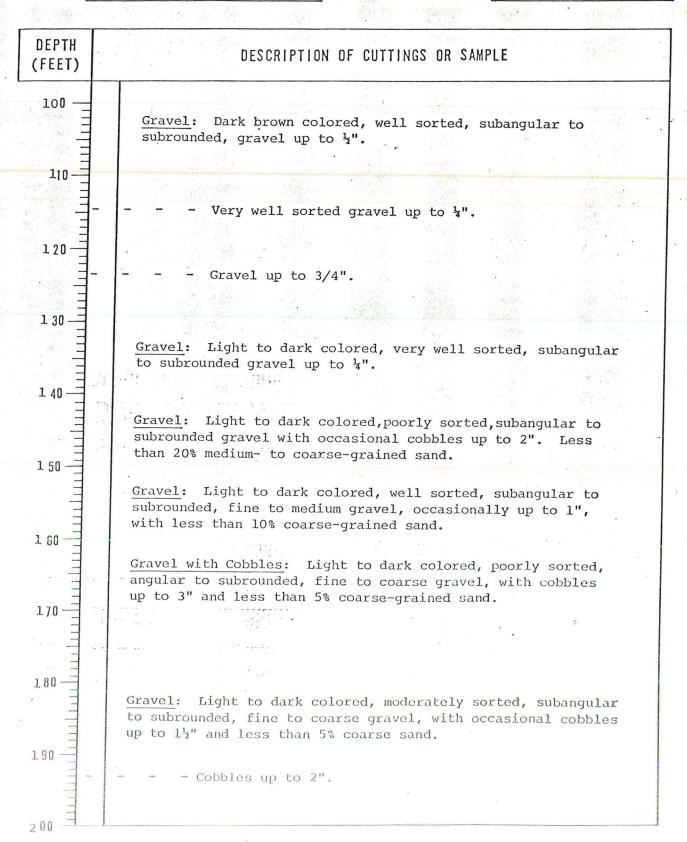
PROJECT NUMBER 79-290- 45

PROJECT NAME MX SITING INVESTIGATION

EQUIPMENT USED Reverse Rotary

COMPANY Beylik

OPERATOR J. Clyde



DRILL CUTTINGS LOG

PROJECT NUMBER 79-290- 45

PROJECT NAME MX SITING INVESTIGATION

EQUIPMENT USED Reverse Rotary

COMPANY Beylik

OPERATOR J. Clyde

FIELD LOG OF WELL NUMBER TW-1

VALLEY NAME _______ Dry Lake

LOCATION NUMBER _______ T6S, R63E, Sec.__ 12d

LOGGED BY _______ DATE 2-06-80

CHECKED BY _______ DATE 4-10-80

TOTAL WELL DEPTH _______ 1010 feet

3 (8)	- 프라이트 - 플라이트 - 트립스트
DEPTH (FEET)	DESCRIPTION OF CUTTINGS OR SAMPLE
200 —	Gravel: Light to dark colored, poorly sorted, angular to subangular, fine to coarse gravel with less than 20% cobbles up to 2½" and less than 5% coarse-grained sand.
210	
2 30	Gravel: Light to dark colored, moderately sorted, angular to subangular, fine to coarse gravel, with occasional cobbles up to 4" and less than 5% medium- to coarse-grained sand. Gravel: Light to dark colored, well sorted, subangular to subrounded, fine to coarse gravel up to 2½", with less than 10% medium- to coarse-grained sand. Gravel: Light to dark colored, moderately sorted, subangular to subrounded, fine to coarse gravel up to 1", with less than 10% medium- to coarse-grained sand.
	Gravel up to 2".
250	
260	Sand: Medium colored, well sorted, fine-grained sand, with less than 25% medium-grained sand to coarse gravel up to 2".
270	Gravel: Medium to dark colored, medium sorted, subangular
	to subrounded, fine to coarse gravel up to 2½", with less than 10% coarse-grained sand.
280	Gravel with Sand: Medium to dark colored, poorly sorted, subrounded to angular, fine to coarse gravel up to 1½", and approximately 25% medium colored, fine- to coarsegrained sand.
290	Gravel: Medium to dark colored, moderately sorted, subrounded to subangular, fine to medium gravel up to ½", with approximately 10% fine- to coarse-grained sand.
300 =	

- Car	ed eervedger, seed.		PACE 4 OF 11
DRILL	CUTTINGS LOG	FIELD LOG OF WELL	NUMBER TW-1
PROJECT NUME	BER 79-290- 45	VALLEY NAMED	ry Lake
PROJECT NAME	MX SITING INVESTIGATION	LOCATION NUMBER TO	SS, R63E, Sec. 12d
EQUIPMENT US	SED Reverse Rotary	LOGGED BY LB	DATE
	Beylik	CHECKED BY JAG	DATE 4-10-80
OPERATOR	J. Clyde	TOTAL WELL DEPTH	1010 feet
i i julijani		A STATE OF THE STA	
DEPTH (FEET)	DESCRIPTION O	F CUTTINGS OR SAMPLE	
300 —	Gravel: Medium to dark of to angular, fine to medium 10% fine- to coarse-grain Gravel: Medium to dark of the fine-	um gravel up to 1/3", ned sand. colored, poorly sorted	with approximatel
= = =	angular, fine to 2½" grav	vel.	
3			
3 20 =		ati'y ka pili	
4	Gravel: Dark colored, po fine to 2" gravel (less t		ded to angular,
3 30			
	Gravel: Dark colored, po fine to 2½" gravel (less		ded to angular,
· 1			
3 40 —			
	Gravel with Sand: Dark co angular, fine to 2" gravel, medium-to coarse-grained s	, with less than 20%	, subangular to medium colored,
3 50 —	Gravel: Dark colored, poor fine to 3/4" gravel with 1		ar to angular,
: =	i Maria	iess than 10° sand.	* -
3 60 =			. , .
3 00 =		derately sorted, subar	ngular to angular,
	fine to 'i' gravel.		r - rama ingra an m
3 70 —	Gravel: Dark colored, poo (predominantly angular), f	orly sorted, subangula	ar to angular
		ind to a gravear	
380	27 / June 20 / 10 / 10 / 10 / 10 / 10 / 10 / 10 /		197 19891
	Gravel: Dark colored, poor gravel (with less than 10%	_	r, fine to ½"
3 90 —	Gravel: Medium to dark co to angular, 1/3"-diameter o		

400 =

	[[[[[[[[[[[[[[[[[[[
DEPTH (FEET)	DESCRIPTION OF CUTTINGS OR SAMPLE	
400 —		
	Gravel: Light to dark color, medium sorted, subangu subrounded gravel up to 4" with less than 15% medium coarse-grained sand.	
410		
	Gravel with Sand & Clay: Medium colored, poorly sorgular to subrounded gravel up to 3/8", with less that fine- to coarse-grained sand and clay.	
420		
430 —	Gravel: Medium to dark colored, well sorted, subanguable subrounded gravel up to 1, with less than 20% coarse sand. Gravel up to 1. Less than 10% coarse sand. Gravel with Sand: Light to dark colored, poorly sort subangular to subrounded, fine to coarse gravel up to with less than 30% fine to coarse-grained sand. Gravel with Sand: Medium to dark colored, poorly sort	e-grained ed, 1",
480	subrounded to subangular, fine to 1" gravel with less 25% medium- to coarse-grained sand.	
490	Gravel up to 3/4".	, 10 (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
	Frank Assess Assess	

DRILL CUTTINGS LOG FIELD LOG OF WELL NUMBER VALLEY NAME ____ Dry Lake PROJECT NUMBER 79-290-- 45 PROJECT NAME MX SITING INVESTIGATION LOCATION NUMBER TGS, R63E, Sec. 12d LOGGED BY LB, JFM EQUIPMENT USED ____ Reverse Rotary DATE 2/08/80 Beylik CHECKED BY JAG DATE 4/10/80 COMPANY TOTAL WELL DEPTH 1010 feet fact OPERATOR J. Clyde ----DEPTH DESCRIPTION OF CUTTINGS OR SAMPLE (FEET) 500 -Gravel with Sandy Silt: Medium to dark colored, poorly sorted, subrounded to angular, fine to 1" gravel with less than 30% tan colored, coarse-grained sand to silt. 510 -Gravel: Medium to dark colored, moderately sorted, angular, fine to 11 gravel. 520 5% fine- to coarse-grained sand. 530 -Gravel: Light to dark colored, poorly sorted, angular to 540 subangular, fine to 24" gravel with less than 10% sand. Gravel: Medium to dark colored, poorly sorted, angular to 550 subangular, fine to 1" gravel with less than 25% medium colored, fine- to coarse-grained sand. 560 -Gravel and Sand: Medium to dark colored, poorly sorted, angular to subangular, fine to 'z" gravel with less than 40% medium to dark colored sand. 5 70 -Gravel: Medium to dark colored, poorly sorted, angular to subangular, fine to 1" gravel with less than 20% fine- to coarse-grained sand......... 580 -Gravel: Dark colored, moderately sorted, subrounded to to subangular gravel with less than 10% sand.

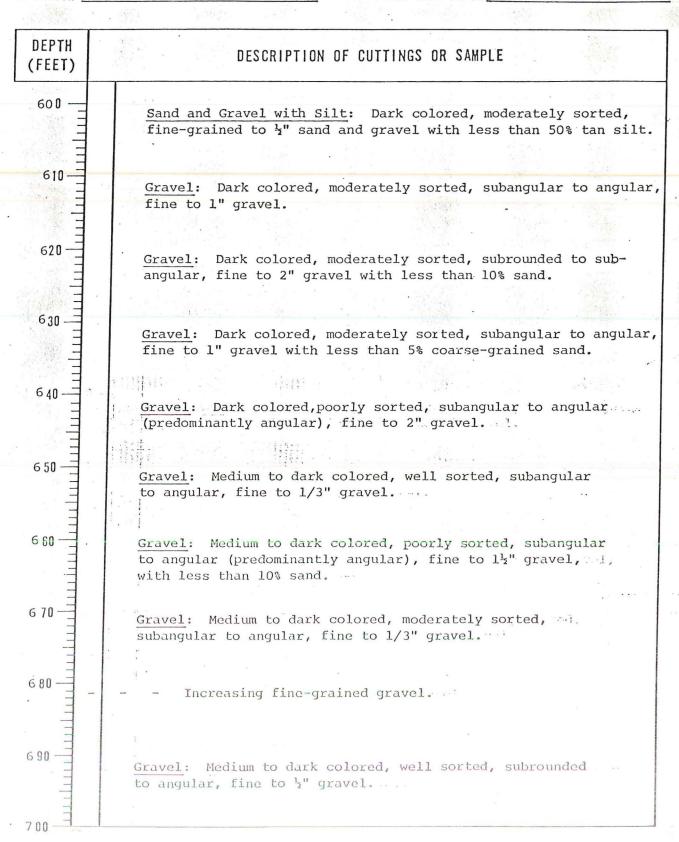
Sand content up to about 25%.

590 -

B DRILL CUTTINGS EUG	FIELD LOG OF WELL NUMBER TW-1
PROJECT NUMBER 79-290 45	VALLEY NAME Dry Lake
PROJECT NAME MAMMENT SITING INVESTIGATION TO THE	LOCATION NUMBER T6S, R63E, Sec. 12d
QUIPMENT USED Reverse Rotary	LOGGED BY LB DATE 2-08-80
OMPANY Beylik	CHECKED BY JAG DATE 4-10-80
PERATOR J. Clyde	TOTAL WELL DEPTH 1010 feet

Coldall, Eleco.

OF



DRILL CUTTINGS LOG

PROJECT NUMBER 79-290- 45

PROJECT NAME MX SITING INVESTIGATION

EQUIPMENT USED Reverse Rotary

COMPANY Beylik

OPERATOR J. Clyde

FIELD LOG OF WELL NUMBER TW-1

VALLEY NAME Dry Lake

LOCATION NUMBER T6S, R63E, Sec. 12d

LOGGED BY LB, JFM DATE 2/09/80

CHECKED BY JAG DATE 4/10/80

TOTAL WELL DEPTH 1010 feet

DEPTH (FEET)	DESCRIPTION OF CUTTINGS OR SAMPLE
700 —	
720	Gravel: Dark colored, well sorted, subangular to angular, fine to 1½" gravel. Gravel: Dark colored, well sorted, subangular to angular (predominantly angular), fine to 1" gravel.
740	Gravel: Dark colored, poorly sorted, subangular, fine to medium gravel up to ½" with less than 25% fine- to coarse-grained sand. Gravel: Dark colored, poorly sorted, angular to subangular, fine to medium gravel up to 1" with less than 10% fine- to coarse-grained sand.
750 —	Gravel: Medium to dark colored, poorly sorted, angular to subangular, fine to medium gravel, occasionally up to 1½", with less than 10% fine- to coarse-grained sand.
760	Gravel: Medium to dark colored, moderately sorted, angular to subangular, fine to medium gravel up to 3/4" (predominantly fine gravel), with less than 10% medium- to coarse-grained sand.
780	Gravel with Sand: Medium to dark colored, poorly sorted, angular to subangular, fine to medium gravel up to 3/4" with less than 35% fine- to coarse-grained sand.
790	Gravel: Medium to dark colored, moderately sorted, angular to subangular, fine to medium gravel up to ½" with less than 10% medium- to coarse-grained sand. Gravel: Medium to dark colored, moderately sorted, angular to subangular, fine to medium gravel up to 1" (predominantly 1/8" to 1/4").

PROJECT NUMBER 79-290- 45

PROJECT NAME MX SITING INVESTIGATION

EQUIPMENT USED Reverse Rotary

COMPANY Beylik

OPERATOR J. Clyde

FIELD LOG OF WELL NUMBER TW-1

VALLEY NAME Dry Lake

LOCATION NUMBER T6S, R63E, Sec. 12d

LOGGED BY JFM DATE 2-10-80

CHECKED BY JAG DATE 4-10-80

TOTAL WELL DEPTH 1010 feet

DEPTH (FEET)	DESCRIPTION OF CUTTINGS OR SAMPLE
800 —	Gravel: Light to dark colored, moderately sorted, angular to subangular, fine to medium gravel up to 1".
13/1 =	
810	Gravel: Medium to dark color, poorly sorted, angular to subangular, fine to medium gravel (predominantly less than 1 and up to 3/4"), with less than 10% coarse-grained sand.
820	Gravel: Medium to dark color, well sorted, angular to subangular, fine to medium gravel (predominantly fine, occasionally up to ½"), with less than 10% coarse-grained
830	Gravel: Dark colored, moderately sorted, angular to subangular fine to medium with occasional coarse gravel up to 2-3/4", with
=	less than 5% coarse-grained sand.
840 —	Gravel: Medium to dark colored, poorly sorted, angular to subangular, fine to medium, occasionally up to 1".
850	
900	
860 = -	Gravel up to 1½", with less than 5% coarse sand.
	and the second of the second o
- 1	をひまさる。
870	Gravel: Medium to dark colored, moderately sorted, angular
	to subangular, fine to medium gravel up to 1" with less than 5% coarse-grained sand.
880	F IFACT . T. CONTRACTOR . C. C
	Gravel: Medium to dark colored, moderately sorted, angular, fine to medium gravel up to $1\frac{1}{3}$ ".
3	
890	Gravel: Medium to dark colored, moderately to well sorted, angular to subangular, fine to medium gravel up to 3/4".
9000	

BORILL CUTTINGS LOG

PROJECT NUMBER 79-290- 45

PROJECT NAME MX SITING INVESTIGATION

EQUIPMENT USED Reverse Rotary

COMPANY Beylik

OPERATOR J. Clyde

VALLEY NAME Dry Lake (DL)

LOCATION NUMBER T6S, R63E, Sec. 12d

LOGGED BY JFM, LB DATE 2/10/80

CHECKED BY JAG DATE 4/10/80

TOTAL WELL DEPTH 1010 feet

DEPTH (FEET)	DESCRIPTION OF CUTTINGS OR SAMPLE	
900 —	Gravel: Medium to dark colored, well sorted, angular to subangular, fine gravel up to 4", with less than 5% coarsegrained sand.	agri
910 =	Gravel: Medium to dark colored, well sorted, angular to subangular, fine to medium gravel, occasionally up to 1", with less than 5% coarse-grained sand.	
920	Gravel: Medium to dark colored, moderately well sorted, angular to subangular, fine to medium gravel up to 3/8", with less than 5% coarse-grained sand.	
930		
940	Gravel and Sand: Dark colored, well sorted, subangular to angular, fine gravel and coarse-grained sand.	
950	Gravel: Dark colored, poorly sorted, subangular to angular, fine to 2" gravel, with less than 10% medium- to coarsegrained sand.	
960		
970	Gravel: Dark colored, well sorted, subrounded to subangular, fine to 1/3" gravel, with less than 20% fine- to coarse-grained sand.	
980	Gravel: Dark colored, poorly sorted, subrounded to angular, fine to 3" gravel, with less than 10% sand.	THE COLUMN TWO PERSONS IN THE PERSON
990-	Gravel: Dark colored, moderately well sorted, subangular to angular, fine to 14" gravel, with less than 5% sand.	ENTROLINGE TO 8 44 Morreré deservanteurs

PROJECT NUMBER	79-290- 45
PROJECT NAME	MX SITING INVESTIGATION
EQUIPMENT USED	GREE Reverse Rotary Greet
COMPANY	Beylik
OPERATOR	J. Clyde

VALLEY NAME Dry Lake

LOCATION NUMBER T6S, R63E, Sec. 12d

LOGGED BY JFM, LB DATE 2-10-80

CHECKED BY JAG DATE 4-10-80

TOTAL WELL DEPTH 1010 feet

PERATUR	J. CIYde		7 °	L DEPIN	1010	
DEPTH (FEET)		DESCRIPTION OF	CUTTINGS	OR SAMPLE		
1000	Gravel and subangular	<u>Cobbles:</u> Medi to angular gra	um to dark vel to 3".	colored, Broken	poorly	sorted, to 6".
1010	·				400 100 1000 1000	1988 1
	e de la companya de l	T.D.	: 1010'		-	
20						
30-						
		11 3 8 ×				
40	50 \$ 17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
50					V .	e de la companya de l
60 =		`			•	
70						*
80 08						
90						
The state of the s						

EWIROMETAL RESEARCH LABORATORY 555 E. Walnut St. Pasadona, Ca. 91101 213-796-9141

Client: Fugro

Description: Dry Lake Valley TW-1 Sample volume = 4.03 Liters

Sample Taken on 4/2/33 by Client Sample Received: 4/4/30

Completed on 4/ 3/37 by MB, GL, 9)

Lab Mumber 377281. Job Mumber 437.7977 T35/R64E-12ca

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*		*		*		*		*	•	*		*
*	SODIUM	*	75.9	*	3.31	*	BICARBONATE	*	217.5	*	3.57	*
*	POTASSIUM	*	5.2	*	9.13	*	CARBONATE	*	1.0	*	3.33	*
*	CALCIUM	*	20.2	*	1.01	*	HYDROXIDE	*	J.0	*	3.77	*
*	MAGNESIUM	*	19.3	*	9.85	*	CHLORIDE	*	21,2	*	7.67	*
*	MULICOLTES	*	I .	*	J.	*	SULFATE	*	44.8	*	Ø.93	*
*		*		*		*	NITRATE	*	5.7	*	3.11	*
*		*	•	*		*		*		*		*
* +	*****	**	*****	*	****	**	*****	**	****	**	*****	*
*]	OT CATIONS	*		*	5.29	*1	OTAL AMIONS	*		*	5.24	*
* +	******************											

*********************************** SPECIAL ANALYSES PARAMETERS * VALUE UNITS Silica 1.447 * IS/L arsenic J.018 * MS/L Chromium, Tot. J.@13 * MO/L * * Tot. hardness 92.8 * LG/L as Caco3 Fluoride - 3.910 * MG/L Total Iron 9.191 * MG/L 4.2 $\mathfrak{C}\mathfrak{I}\mathfrak{I}$ NG/L 7.977 * H * Spec. Cont. 487.9 * Micro hos-an * 'FDS by Md 292.4 法 Alkalinity -127.0 * NG/L as Ch003 * ************* LANG. HIDEX * 3.01 **************

Grace Livingste