1



UNITED STATES MARINE CORPS

01.01-01/21/85-00075

Marine Corps Base Camp Lejeune, North Carolina 28542-5001

> 6280/9 FAC 21

N.C. Division of Environmental Management Groundwater Section Attn: Mr. Perry Nelson P. O. Box 27687 Raleigh, NC 27611-7687

> Re: Well Completion Records, Groundwater Monitoring Wells, Camp Lejeune

Dear Mr. Nelson:

Enclosed are the Well Completion Records for each of the 55 monitoring wells installed under the Navy Assessment and Control of Installation Pollutants Program. Also enclosed is a copy of the variance approval letter. Should you desire clarification of these records or further information, please contact Mr. Robert Alexander at 919-451-3034 or at the above address.

Sincerely,

M. G. LILLEY
Colonel, U.S. Marine Corps
Assistant Chief of Staff, Facilities
By direction of the Commanding General

Encl: (1) Well Completion Records

(2) Variance Approval Ltr, MDCDEM Undtd

Copy to: (w/o encl)

CMC (LFL)

COMLANTNAVFACENGCOM (Code 114)

6280/9 PAC 21 JAN 1985

N.C. Division of Environmental Management Groundwater Section Attn: Mr. Perry Nelson P. O. Box 27687 Raleigh, NC 27611-7687

> Re: Well Completion Records, Groundwater Monitoring Wells, Camp Lejeune

Dear Mr. Nelson:

Enclosed are the Well Completion Records for each of the 55 monitoring wells installed under the Navy Assessment and Control of Installation Pollutants Program. Also enclosed is a copy of the variance approval letter. Should you desire clarification of these records or further information, please contact Mr. Robert Alexander at 919-451-3034 or at the above address.

Sincerely,

M. G. LILLEY Colonel, U.S. Marine Corps Assistant Chief of Staff, Facilities By direction of the Commanding General

Encl: (1) Well Completion Records

(2) Variance Approval Ltr. NDCDEM Undtd

Copy to: (w/o encl) COMLANTNAVPACENGCOM (Code 114)

Blind Copy to: EnvEngr

Drafter: B. Alexander

Typist: H Foster FAC 17Jan85



ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.

January 8, 1985

ESE No. 84 222 0200 1130

Commanding General Marine Corps Base

Office of Assistant Chief of

Staff Facilities

ATTN: R.E. Alexander

Bldg. 1, Holcomb Boulevard

Camp Lejeune, North Carolina 28542

RE: Contract No. N62470-83-C-6106, Confirmation Study, Marine Corps Base,

Camp Lejeune, North Carolina

Dear Bob:

Enclosed are the well construction forms for the fifty five ground water monitoring wells installed at Camp Lejeune. Item 18 of the form (Water Quality) was completed using the specific conductance data collected during well sampling activities and the following guideline:

Specific Conductance (micromhos/centimeter)	Water Quality
0 - 400	Good
401 - 700	Fair
greater than 700	Poor

These forms will need to be forwarded to the State of North Carolina Department of Natural Resources & Community Development.

Please do not hesitate to call me at (904) 332-3318 if you have any questions regarding these forms.

Sincerely,

Russell V. Bowen, P.E.

Russ Bowen

Project Manager

RVB/ags

enclosures

cc: Bruce McMaster (ESE), w/o enclosure Cherryl Barnett (NAVFAC), w/enclosure DOC NO. CLEJ-00075-3.18-1121/85-NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

.... DECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT

DRI	LLING CONTRACTOR STS CONSULTANTS, Ltd. REG. NO. 19	WELL CONSTR	UCTION PERMIT NO.
1.	WELL LOCATION: (Show sketch of the location below)		
	Nearest Town: MIOWAY PARK	County:OA	is com
	MAIN SERVICE ROAD, CAMP LEJEUNE	Quadrangle No.	CAMP LEJEUNE
2.	(Road, Community or Subdivision and Lot No.) OWNER: COMMANDE COMP BASE	<u>_1</u>	DRILLING LOG G-WI-(
	ADDRESS: OFFICE OF AS/C FACILITIES CAMP LETEUNE N.C.	DEPTH	1.
	TOPOGRAPHY: draw, valley, slope, hilltop flat (circle one)	FROM TO	USCS Classification
5.	USE OF WELL: HO Sampling DATE: 7-5-84		
	DOES THIS WELL REPLACE AN EXISTING WELL? NO	0-1.5	SM
7.	TOTAL DEPTH: 21.74 RIG TYPE OR METHOD: H.S.A.	15-30	SM-SC
8.	FORMATION SAMPLES COLLECTED: YES 1/ NO	30-75	5C-5M
9.	CASING: Depth Inside Wall thick. type Dia. or weight/ft.	7.5-10.5	5M
	Prom O to 7.32ft 21 Sel 40 PUC	15-16	5 M-SC
	7. 1	16-16.5	limestone marl
		20-20.5	SM
ŢΩ,	GROUT: Depth Material Method	205-20.8	Still clay less
	From () to 5. Det coment (2:1)	26.8-21.5	linestone marl
		25-26.5	5P
11.	SCREEN: Depth Dia. Type & Opening	If additional space	is needed use back of form
	From 7,32 to 21.76t à" Sel 40 PVC		TION SKETCH
	.010 Slot	distance to numbered r	oads, or other map reference points)
			G-W1-1
			8
12.	GRAVEL: Depth Size Material		\
	From 632 tod/ > ft Cilica Sand		1
~	532 632 Bentonite		
13.	WATER ZONES (depth): 9.1 - 71.78		N-NW +
	FROM TOP OF CASING (TOC)		1 200
14.	STATIC WATER LEVEL: Zi ft. above top of casing		
	Casing is 25 ft. above land surface ELEV: 92,33	MAIN	SERVICE RE
15.	YIELD (gpm): 8.5 METHOD OF TESTING: founder		SEAVICE NO
16.	PUMPING WATER LEVEL: 8.8 ft.		DALY Rd
	after / hours at 8.5 gpm.		
17.	CHLORINATION: Type NA Amount		
18.	WATER QUALITY: POOR TEMPERATURE (OF) 71.50 N	· was a supplier	
	PERMANENT PUMP: Date Installed NA		
	Type Capacity (gpm) HP		
	Make Intake Depth		
	Airline Depth		
20.	HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND I	INFORMED OF THE DEP	ARTMENTS REQUIREMENTS AND
21.	REMARKS # ALL ELEVATIONS ARE BASED ON A	100.0 FT. REFER	ENCE DATUM ELEVATION
	I do hereby certify that this well was constructed in a Regulations and Standards and that this well record is	ccordance with N.C	
	Regulations and Standards and that this well record is	ושעל בולבו	
	SIGNATURE OF CONTRACTOR OF AGENT	DATE	

NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

. WELL RECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT

DR	ILLING CONTRACTOR 3/3 CODJUSTANTS, LAG. REG. NO. 1711	WELL CONSTRUCTION PERMIT NO.
1.	WELL LOCATION: (Show sketch of the location below)	
	Nearest Town: MID WAY PARK	County: ON1COW
	(Road, Community or Subdivision and Lot No.)	Quadrangle No. CAMP LEJEUNE
2.	OWNER: COM M ANDING GIVENAL, MARINE CORP BASE	DRILLING LOG GUI-2
3.	ADDRESS: OFFICE OF ACIS FACILITIES CAMP LEJEUNE N.C.	DEPTH
4.	TOPOGRAPHY: draw, valley, slope, hilltop, (la)(circle one)	FROM TO FORMATION DESCRIPTION
5.	USE OF WELL: H.O Sampling DATE: 7-5-87	(USCS Clovificati
6.	DOES THIS WELL REPLACE AN EXISTING WELL? NO	0-1.5 SP-SM
7.	TOTAL DEPTH: 21.95 RIG TYPE OR METHOD: H.S.A.	1,5-7,5 SM
8.	FORMATION SAMPLES COLLECTED: YES V NO	7,5-80 SM-SC
9.	CASING: Depth Inside Wall thick. type Dia. or weight/ft.	80-90 SC
	From O to 9,8 ft 2" Sc4 40 PVC	9.0-105 SM
	7- 1	15.0-163 SM-SC
		155 \$15 limestone meel
10.	GROUT: Depth Material Method	
	From 0 to 1528ft coment (2:1) poured	291
11.	SCREEN: Depth Dia. Type & Opening	If additional space is needed, use back of form
	From 72 to at St a" Sch 40 PVC	LOCATION SKETCH
	.010 Slot	distance to numbered roads, or other map reference points)
		A .
	<u></u>	(rc)-2
12.	GRAVEL: Depth Size Material	
	From 15.73 to 21.95 ft Selica Sand	
	1673 15.73 Bentonite	~ 1250 from +
13.	WATER ZONES (depth): 9.7 - 21.95 (70c)	to NW
14.	STATIC WATER LEVEL: 9.7 ft. above top of casing	
	Casing is 2.6 ft. above land surface ELEV: 94.38	
15.	YIELD (gpm): 6 METHOD OF TESTING: PUMPED	MAIN Service Rd
16.	PUMPING WATER LEVEL: 9.8 ft.	
	after / hours at 6 gpm.	C DALY Rd
17.	CHLORINATION: Type NA Amount	
18.	WATER QUALITY: POOR TEMPERATURE (°F) 71°	
19.	PERMANENT PUMP: Date Installed NA	
	TypeCapacity(gpm) HP	
	MakeIntake Depth	
	Airline Depth	
20.	HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND I RECOMMENDATIONS?	INFORMED OF THE DEPARTMENTS REQUIREMENTS AND
21.	REMARKS	
	I do hereby certify that this well was constructed in a Regulations and Standards and that this well record is	accordance with N.C. Well Construction true and exact.
	MI Vinde Hombers 1	र्या ११४
	SIGNATURE OF CONTRACTOR OF AGENT	DATE

De No: CLET -00075 - 3.13 - 1/2/ 185-NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT WELL RECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT

	9/ WELL CONSTRUCTION PERMIT NO.
1. WELL LOCATION: (Show sketch of the location below)	
Nearest Town: MOWAY PARK	County: ONS LOW
(Road, Community or Subdivision and Lot No.)	Quadrangle No. CAMP LETEURE
2. OWNER: COMM ANDING GENERAL, MARINE CORP. BASE	
3. ADDRESS: OFFICE OF AC/S FACILITIES, CAMP LETEUNE, N	
4. TOPOGRAPHY: draw, valley, slope, hilltop flat circle one	(USCS Closeificati
5. USE OF WELL: HO Sampling DATE: 7-5-84	0-1.5 SM-SC
6. DOES THIS WELL REPLACE AN EXISTING WELL? NO	1.5-16.5 SM
7. TOTAL DEPTH: 25.3% RIG TYPE OR METHOD: 11.5.A.	20.0-265 SC
8. FORMATION SAMPLES COLLECTED: YES NO	
9. CASING: Depth Inside Wall thick. type Dia. or weight/ft.	:
Prom O to 1844 ft 2" Sch 40 PVC	
<u> </u>	
10. GROUT: Depth Material Method	
From O to 65 ft commit(21) poured	
	If additional space is needed, use back of form
L1. SCREEN: Depth Dia. Type & Opening	
From 10.44 to 14.44 ft 2" Sch 40 PVC (Shor	LOCATION SKETCH w distance to numbered roads, or other map reference points
, oid slat	
	0
22. GRAVEL: Depth Size Material	7-3
From 9.32 co 2538 ft Silve Sand	S 1
Bentonite	N 1125 from +
3. WATER ZONES (depth): 14.6- 25-38 (700)	To NW
iu, above.	
4. STATIC WATER LEVEL: 14.6 ft. above top of casing Casing is 2.3 ft. above land surface ELEV: 97.23	
	MAIN SEXVICE Ad
L5. YIELD(gpm): 7 METHOD OF TESTING: POWPED 16. PUMPING WATER LEVEL: 17.0 ft.	
after 2 hours at 4 gpm.	C-DALY Rd
7. CHLORINATION: Type <u>NA</u> Amount 18. WATER QUALITY: GOOD TEMPERATURE (OF) 73	()
19. PERMANENT PUMP: Date Installed NA	
Type Capacity (gpm) HP	
MakeIntake Depth	
•	
Airline Depth	INFORMED OF THE DEPARTMENTS REQUIREMENTS AND
RECOMMENDATIONS? Yes	
21. REMARKS	and the victor of the victor o
I do hereby certify that this well was constructed in Regulations and Standards and that this well record is	s true and exact.
Allingle thomber a SIGNATURE OF CONTRACTOR OF AGENT	

Doc NO: CLET -00075 -3.13 -1/21 /85
NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

. WELL RECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT

P. O. Box 27687 - RALEIGH, N.C. 27611 919-733-2020

DR	illing contractor STS consultants, Ltd. Reg. no. 19	WELL CONSTRUCTION PERMIT NO.
1.	WELL LOCATION: (Show sketch of the location below)	
	Nearest Town: MIDWAY PARK	County: OUS(SW
	(Road, Community or Subdivision and Lot No.)	Quadrangle No. CAMA LESCUME
	OWNER: COMMANDUC RENENAL, MARINE ONP BASE	DRILLING LOG GW1-4
	ADDRESS: OFFICE OF ACIS FACILITIES CAMP LETEUNE, N.C.	DEPTH FROM TO FORMATION DESCRIPTION
	TOPOGRAPHY: draw, valley, slope, nilitop [liat] clicle one)	(45CS Classifica
	USE OF WELL: HO Sampling DATE: 7-5-84	A 1) B (4)
	total depth: 2994 rig type or method: H.S.A.	0-40. SM
		20-215 SC-SM
	FORMATION SAMPLES COLLECTED: YES NO	30.0-31.5 SM
9.	CASING: Depth Inside Wall thick. type Dia. or weight/ft.	
	From 0 to 15 ft 2" Sch 40 PVC	
	*:	
10.	GROUT: Depth Material Method	
	From O to 11. 1 to come (a:0 _ sourced	
		•
11.	SCREEN: Depth Dia. Type & Opening	If additional space is needed, use back of form
	From 15 to 2996 ft a" Sch 40 PVC	LOCATION SKETCH
		ilstance to numbered roads, or other map reference points
		•
		ð Ö'
12.	GRAVEL: Depth Size Material	
	From 135 to 29% ft Silies Sand	
-	1125 135 Bestonite	
13.	WATER ZONES (depth): 16 - 29.96 (700)	
14.	STATIC WATER LEVEL: 16.0 ft. above top of casing	·-
	Casing is 2,4 ft. above land surface ELEV: 100.0	MAIN SERVICERD
15.	YIELD (gpm): 7.5 METHOD OF TESTING: AUM ACD	+ CALY Rd
16.	PUMPING WATER LEVEL: 16.15 ft.	MATN SERVICERD 1251 from + COALY Rd
	after / hours at 7.5 gpm. to h	,–\$ ∨ ()
17.	CHLORINATION: Type NA Amount	
18.	WATER QUALITY: FAIR TEMPERATURE (OF) 77	÷ v v v v
19.	PERMANENT PUMP: Date Installed	
	TypeCapacity(gpm) HP	
	MakeIntake Depth_	
	Airline Depth	·
20.	HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND IN	NFORMED OF THE DEPARTMENTS REQUIREMENTS AND
21.	REMARKS	
	I do hereby certify that this well was constructed in ac Regulations and Standards and that this well record is t	true and exact.
	DA Karal From here	12-12-94

SIGNATURE OF CONTRACTOR OF AGENT

DO C NO: CLEJ-000 5 -3.B-121/85-NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT WELL RECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT

DRILLING CONTRACTOR \$15 CONSULTANTS LA	REG. NO.	WELL CON	STRUCTION PERMIT NO.	
1. WELL LOCATION: (Show sketch of the loca	tion below)			
Nearest Town: MIDWAY PARI	<u> </u>	County:	ONZLOW	
(Road, Community or Subdivision and	Lot No.)	Ouadrangle =	No. CAMP LEJEUNE	
2. OWNER: COMMANDING GENERAL MANI			DRILLING LOG G-U1-5	
3. ADDRESS: OFFICE OF AC/S FACILITIES CAME	OLESEVUE, N.C.	DEPTH FROM TO	EQUATION DECORE	m z 🖴
4. TOPOGRAPHY: draw, valley, slope, hilltop		FROM TO	(USCS Classifies	
5. USE OF WELL: HO Sampling DATE: T		A 1	C A4	
6. DOES THIS WELL REPLACE AN EXISTING WELL		0-1.5	SM 50	
7. TOTAL DEPTH: 19.48 RIG TYPE OR METHO		1.5-30	SM-5C	
8. FORMATION SAMPLES COLLECTED: YES N		3.0-31.5	SM	
9. CASING: Depth Inside Wall thick Dia. or weight/	ft.		mercare and a second se	
From 0 to 15, 12 ft 3, Sch 40	PUC			_
<u> </u>				
				
10. GROUT: Depth Material Metho	od			
From O to 13.02 ft amond (2:1) por	red			
	•			
11. SCREEN: Depth Dia. Type & Op	pening	ii additional s	pace is needed, use back of t	OTM
From 15.02 to 14.46ft 3" Sch 40			OCATION SKETCH	
,010	Slet	distance to number	ed roads, or other map reference po	ints
		٥) a	
12. GRAVEL: Depth Size Material		٥		
From 14.01 to 29.48ft Silica		O		
13.02 14.02 Beston				
			MOIN SERVICE RO	1
13. WATER ZONES (depth): 14.0 - 27.46	- (189		/ 000	0.1
above.			POALY	K9
14. STATIC WATER LEVEL: 14.0 ft. above top of	/	Ò		
Casing is 2.5 ft. above land surface EL				
15. YIELD (gpm): 4.5 METHOD OF TESTING:	POWPED			
16. PUMPING WATER LEVEL: 16 ft.			v1500 fromt.	
after Z hours at 4.5 gpm.			to SW	
17. CHLORINATION: Type NA Amount		pq/		
18. WATER QUALITY: FAIR TEMPERATURE	(°F) 79	<i>U</i> , , <u> </u>		
19. PERMANENT PUMP: Date Installed	1	G-W1-5		
TypeCapacity(gpm)	HP		•	
MakeIntake Depth_				
Airline Depth				
20. HAS THE OWNER BEEN PROVIDED A COPY OF TRECOMMENDATIONS?	HIS RECORD AND	INFORMED OF THE	DEPARTMENTS REQUIREMENTS AND	
21. REMARKS		<u> </u>		
I do hereby certify that this well was Regulations and Standards and that this	well record is	accordance with true and exact. /2-/8-87	N.C. Well Construction	_

DOC NO: CLET-00075 -3.13 - 1/21 /85-NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

DIVISION OF ENVIRONMENTAL MANAGEMENT

DR	ILLING CONTRACTOR STS CONSULTANTS, Ltd. REG. NO.	91 WELL CONSTRU	CTION PERMIT NO.
1.	WELL LOCATION: (Show sketch of the location below)		
	Nearest Town: MIDWAY PARK	County:O	scow
	(Road, Community or Subdivision and Lot No.)	Ouadrangle No	CAMP LEJEUNE
2.	OWNER: COMMANDING GENERAL MARINE CORP BASE	<u>ıa</u>	RILLING LOG GW1-6
3.	ADDRESS: OFFICE OF ACLS FACILITIES, CAMPLESENUE N.C	FROM TO	FORMATION DESCRIPTION
4.	TOPOGRAPHY: draw, valley, slope, hilltop flat circle one)	11011 10	(4SCS Classificate
5.	USE OF WELL: H.O Sampling DATE: 7-5-84		
	DOES THIS WELL REPLACE AN EXISTING WELL? NO	0-16.5	SM
7.	TOTAL DEPTH: 29.42 RIG TYPE OR METHOD: H.S.A.	20XI.5	CL
8.	FORMATION SAMPLES COLLECTED: YES NO	<u> 25-345</u>	SM
9.	CASING: Depth Inside Wall thick. type Dia. or weight/ft.		
	From D to 1494st 2" Sch 40 PUC		
	· · · · · · · · · · · · · · · · · · ·		
10.	GROUT: Depth Material Method		
	From O to 119 ft Commit (2:0 poured	•	
•		If additional space	is needed, use back of form
11.	SCREEN: Depth Dia. Type & Opening	·	·
	From 14.99 to 29.42 ft 2" Sch 40 PVC (Show	LOCATI	ON SKETCH day reference points)
;			
		٠	
12.	GRAVEL: Depth Size Material		
	From 136 to 298 ft Selica Sand		· ·
,	11.9 13.6 Bentonite		
13.	WATER ZONES (depth): /5.6 - 29.42 (foc)	MAIN SE	rvice Rd
		1	150 from to SW
14.	STATIC WATER LEVEL: 15.6 ft. above top of casing	6	DALY RO"
	Casing is 153 ft. above land surface ELEV: 103.39	GW1-6	
15.	YIELD (gpm): 5 METHOD OF TESTING: PUMPED		
16.	PUMPING WATER LEVEL: 15.8 ft.	()
	after / hours at 5 gpm.		· .
17.	CHLORINATION: Type NA Amount		
18.	WATER QUALITY: GOOD TEMPERATURE (OF) 7/	en er og til til	
19.	PERMANENT PUMP: Date Installed		
	Type Capacity (gpm) HP		· ·
	MakeIntake Depth		
	Airline Depth		
20.	HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND RECOMMENDATIONS?	informed of the depar	TMENTS REQUIREMENTS AND
21.	REMARKS	<u>-</u>	<u> </u>
	I do hereby certify that this well was constructed in Regulations and Standards and that this well record is	eccordance with N.C.	Well Construction
	M) link montege		

Do C No: CLEJ-00075 - 3. /3 - 1/21 /85 NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

DIVISION OF ENVIRONMENTAL MANAGEMENT

Nearest Town: MIDWAY PARK	~ ·	ONSLOW
	County:	
(Road, Community or Subdivision and Lot No.)	Quadrangle +	CAMP LEJEUNE
OWNER: COMMANOING GENERAL, MARINE COAP BAS	ge .	DRILLING LOG GU2-/
ADDRESS: OFFICE OF AC & FAULTIES CAMPLETIUME N.C.		and the second s
. TOPOGRAPHY: draw, valley, slope, hilltop flat (circle one	FROM TO	USCS Classification
. USE OF WELL: Had Sampling DATE: 7-4-84		
. DOES THIS WELL REPLACE AN EXISTING WELL?	0-45	SM
TOTAL DEPTH: 22.47 RIG TYPE OR METHOD: H.S.A.	4.5-60	SM-SC
FORMATION SAMPLES COLLECTED: YES NO	6.0-16.5	<u> </u>
. CASING: Depth Inside Wall thick. type Dia. or weight/ft.	125-215	<u> </u>
Prom O to \$01ft 27 Sel 40 PVC	21.0-23.0	<u></u>
	43-24.5	SM
GROUT: Depth Material Method		
seed-16.1		
From 6 to 60 ft Comen (1)		
. SCREEN: Depth Dia. Type & Opening	If additional s	pace is needed, use back of form
From 8.01 to 22.91 ft 2' Sch 40 PVC	· L	OCATION SKETCH
She (She		ed roads, or other map reference points
. GRAVEL: Depth Size Material	1	
From 7.01 to 2247ft Selice Send	1	
	Į.	
601 7.01 Bentonite		
1 1-		
(a01 7.0) Bentonite . WATER ZONES (depth): 8.5 - 22.47 (Toc)		G-W2-1,
. WATER ZONES (depth): 8.5 — 22. 47 (ToC) STATIC WATER LEVEL: 8.0 ft. above top of casing		~300 from
(a01 7.0) Bentonite . WATER ZONES (depth): 8.5 - 22.47 (Toc)	ewster Blvd	1 (2)
. WATER ZONES (depth): 8.5 — 22. 47 (ToC) STATIC WATER LEVEL: 8.0 ft. above top of casing	ewster Blvd	~300 from
. WATER ZONES (depth): 8.3 — ZZ. 47 (ToC) STATIC WATER LEVEL: 8.0 ft. above top of casing Casing is 20 ft. above land surface ELEV: Brown	ewster Blvd	~300 from
. WATER ZONES (depth): 8.3 — 22.47 (ToC) STATIC WATER LEVEL: 8.0 ft. above top of casing casing is 20 ft. above land surface ELEV: Brown yield (gpm): 4.5 METHOD OF TESTING: PIMPED	ewster Blvd	~300 from
Bestonite WATER ZONES (depth): 8.3 — 22.47 (ToC) STATIC WATER LEVEL: 3.0 ft. above top of casing Casing is 20 ft. above land surface ELEV: Brown State Company: 4.5 METHOD OF TESTING: PSMPEO PUMPING WATER LEVEL: 9.0 ft.	ewster Blvd	~300 from
Bestonite WATER ZONES (depth): 8.3 — 22.47 (ToC) STATIC WATER LEVEL: 8.0 ft. above top of casing Casing is 20 ft. above land surface ELEV: Browner YIELD (gpm): 4.5 METHOD OF TESTING: PSIMPED PUMPING WATER LEVEL: 9.0 ft. after 1.5 hours at 4.5 gpm.	ewster Blvd	~300 from
Bestonite WATER ZONES (depth): 8.3 — 22.47 (ToC) STATIC WATER LEVEL: 8.0 ft. above top of casing Casing is 20 ft. above land surface ELEV: Brown properties of the case of the control of the con	ewster Blvd	~300 from
Bestonite WATER ZONES (depth): 8.3 — 22.47 (ToC) STATIC WATER LEVEL: 8.0 ft. above top of casing Casing is 20 ft. above land surface ELEV: Browner YIELD (gpm): 4.5 METHOD OF TESTING: PSMPEO PUMPING WATER LEVEL: 9.0 ft. after 1.5 hours at 4.5 gpm. CHIORINATION: Type NA Amount WATER QUALITY: GOOD TEMPERATURE (°F) 7/	ewster Blvd	~300 from
Bestonite WATER ZONES (depth): 8.3 — 22.47 (ToC) STATIC WATER LEVEL: 3.0 ft. above top of casing Casing is 20 ft. above land surface ELEV: Brown METHOD OF TESTING: PUMPED PUMPING WATER LEVEL: 9.0 ft. after 1.5 hours at 4.5 gpm. CHLORINATION: Type NA Amount WATER QUALITY: 6000 TEMPERATURE (°F) 7/ PERMANENT PUMP: Date Installed NA	ewster Blvd	~300 from
Bestonite WATER ZONES (depth): 8.3 — 22.47 (ToC) STATIC WATER LEVEL: 8.0 ft. above top of casing Casing is 20 ft. above land surface ELEV: 8.0 YIELD (gpm): 4.5 METHOD OF TESTING: PSMPEO PUMPING WATER LEVEL: 9.0 ft. after 1.5 hours at 4.5 gpm. CHLORINATION: Type NA Amount WATER QUALITY: GOOD TEMPERATURE (°F) 7/ PERMANENT PUMP: Date Installed NA Type Capacity (gpm) HP	ewster Blvd	~300 from
Bestonite WATER ZONES (depth): 8.3 — 22.47 (ToC) STATIC WATER LEVEL: 3.0 ft. above top of casing Casing is 20 ft. above land surface ELEV: 87. YIELD (gpm): 4.5 METHOD OF TESTING: PUMPEO PUMPING WATER LEVEL: 9.0 ft. after 1.5 hours at 4.5 gpm. CHLORINATION: Type NA Amount WATER QUALITY: 6000 TEMPERATURE (°F) 7/ PERMANENT PUMP: Date Installed NA Type Capacity (gpm) HP Make Intake Depth		Holcomb Blvd
Bestonite Water zones (depth): 8.3 — 22.47 (Toc) Static water Level: 8.0 ft. above top of casing casing is 20 ft. above land surface ELEV: Browness YIELD (gpm): 4.5 METHOD OF TESTING: PIMPED PUMPING WATER LEVEL: 9.0 ft. after 1.5 hours at 4.5 gpm. CHLORINATION: Type NA Amount WATER QUALITY: 6.000 TEMPERATURE (°F) 7/ PERMANENT PUMP: Date Installed NA Type Capacity (gpm) HP Make Intake Depth HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND RECOMMENDATIONS?	D INFORMED OF THE	DEPARTMENTS REQUIREMENTS AND
Bestonite WATER ZONES (depth): 8.3 — 22.47 (ToC) STATIC WATER LEVEL: 8.0 ft. above top of casing Casing is 20 ft. above land surface ELEV: Brown METHOD OF TESTING: PUMPED PUMPING WATER LEVEL: 9.0 ft. after 1.5 hours at 4.5 gpm. CHLORINATION: Type NA Amount Gpm. WATER QUALITY: 6000 TEMPERATURE (°F) 7/ PERMANENT PUMP: Date Installed NA Type Capacity (gpm) HP Make Intake Depth Airline Depth HAS THE CWMER BEEN PROVIDED A COPY OF THIS RECORD AND RECOMMENDATIONS?	D INFORMED OF THE	DEPARTMENTS REQUIREMENTS AND

DOC NO: CLET - 00075 -3.13 - 1/21/85-NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

DIVISION OF ENVIRONMENTAL MANAGEMENT P. O. Box 27687 - RALEIGH, N.C. 27611 919-733-2020

DRI	LLING CONTRACTOR STS CONSULTANTS, LTd. REG. NO. 19	WELL CONSTRUCTION PERMIT NO.
1. 1	WELL LOCATION: (Show sketch of the location below)	v.'
	Nearest Town: YMIDWAY PARIC	County: ONSCOW
	PINEY GREEN NO. CAMP LE JEUNE	Quadrangle No. CAMP LE JEUNE
_	(Road, Community or Subdivision and Lot No.)	
	OWNER: COMMANDING GENERAL MARINE CARP BASE	DRILLING LOG GU9-1
3. 2	ADDRESS: OFFICE OF ACIS FACILITIES, CAMPLEJEUNE NC.	DEPTH FROM TO FORMATION DESCRIPTION
	TOPOGRAPHY: draw, valley, slope, hilltop (flat circle one)	(uses consification)
	USE OF WELL: 4.0 Sampling DATE: 7-5-84	0-235' SM
	TOTAL DEPTH: 22.17 RIG TYPE OR METHOD: H-S.A.	0-255
	FORMATION SAMPLES COLLECTED: YES V NO	
	CASING: Depth Inside Wall thick. type	
	Dia. or weight/ft. From O to T. of the A. S.A. YD P.W	
1	From O to 1.7 ft 2; Sch 40 PVC	
	GROUT: Depth Material Method	•
	sond-icul	•
	From 0 to S.71 ft fomenta:1) poured	
7 .	SCREEN: Depth Dia. Type & Opening	If additional space is needed, use back of form
	From 7.71 to 22,17ft 2 th Sch 40 PVC	LOCATION SKETCH
	(Show a	distance to numbered roads, or other map reference points)
2. (GRAVEL: Depth Size Material	
	From 671 to 22.75t Selica send	and CK
-	5.71 6.71 Bentonite	Egarhead Ck
.3. 1	WATER ZONES (depth): 9.7 - 22.17'(foc)	

4	STATIC WATER LEVEL: 9.7 ft. above top of casing	Pare de la companya del companya de la companya del companya de la
	Casing is 4.3 ft. above land surface ELEV: 103.6	
	YIELD (gpm): 8-5 METHOD OF TESTING: PUMPED	
	PUMPING WATER LEVEL: /0.80 ft.	
	after 75 hours at 9 gpm.	ex of sur to
	CHLORINATION: Type NA Amount	TO SE
	WATER QUALITY: POOR TEMPERATURE (OF) 7/	\
	PERMANENT PUMP: Date Installed NA	50
•	TypeCapacity(gpm)HP	SNEADS
	MakeIntake Depth	Rq Y
i	Airline Depth	
	HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND IN	NFORMED OF THE DEPARTMENTS REQUIREMENTS AND
1.	remarks	
	I do hereby certify that this well was constructed in a Regulations and Standards and that this well record is	
	0011-1-11-11-	12-17-84
		5.3 mm

DOC NO: CLEJ-00075-3.13-1/21/85

NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT DIVISION OF ENVIRONMENTAL MANAGEMENT WELL RECORD P. O. Box 27687 - RALEIGH, N.C. 27611 919-733-2020 STS CONSULTANTS, LTd -REG. NO. 191 DRILLING CONTRACTOR WELL CONSTRUCTION PERMIT NO. 1. WELL LOCATION: (Show sketch of the location below) ON2COC MIDWAY PARK Nearest Town: County: CAMP LEJEUNE CAMP LEJEUNE PINET GREEN LD Quadrangle No. (Road, Community or Subdivision and Lot No.) 2. OWNER: COMMANDING GENERAL, MANINE CORP BUSE DRILLING LOG GW9-2 3. ADDRESS: OFFICE OF AC/S FACILITIES CAMPLETEULE NC DEPTH FORMATION DESCRIPTION 4. TOPOGRAPHY: draw, valley, slope, hilltop (flat) circle one) USCS Classification 5. USE OF WELL: H.O Sampling DATE: 6. DOES THIS WELL REPLACE AN EXISTING WELL? HS.A. 7. TOTAL DEPTH: 18.46 RIG TYPE OR METHOD: 8. FORMATION SAMPLES COLLECTED: YES V NO Inside Wall thick. 9. CASING: Depth or weight/ft. PUC Method 10. GROUT: Depth Material additional space is needed, use back of form Type & Opening Dia. 11. SCREEN: Depth LOCATION SKETCH Material 12. GRAVEL: Depth BCEY H. Blind to

13. WATER ZONES (depth):

14. STATIC WATER LEVEL: 9.5 ft. above top of casing Casing is 2.5 ft. above land surface ELEV: 100.0

15. YIELD (qpm): 7.5 METHOD OF TESTING: PUMPED

16. PUMPING WATER LEVEL: 9.75 hours at

1/A_ Amount 17. CHLORINATION: Type

18. WATER QUALITY: 600 D TEMPERATURE (OF)

19. PERMANENT PUMP: Date Installed____

(gpm) HP Capacity_ Intake Depth Make

Airline Depth

20. HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND INFORMED OF THE DEPARTMENTS REQUIREMENTS AND RECOMMENDATIONS? syld.

21. REMARKS I do hereby certify that this well was constructed in accordance with N.C. Well Construction Regulations and Standards and that this well record is true and exact.

she Humber $N \wedge k$ 12-17 24 SIGNATURE OF CONTRACTOR OF AGENT DATE

olcomb

₾

SNEADS

DOC NO: CLET -00075 -3.13 - 121/85

NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMEN

WELL RECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT

P. O. Box 27687 - RALEIGH, N.C. 27611 919-733-2020 DRILLING CONTRACTOR STS CONSULTANTS, Ltd REG. NO. WELL CONSTRUCTION PERMIT NO. 1. WELL LOCATION: (Show sketch of the location below) Nearest Town: MIDWAY PARK ONSLOW County:_ Rollond Bur, CAMP LETEVALE (Road, Community or Subdivision and Lot No.) CAMPLEJEUNE _Quadrangle No._ 2. OWNER: COMMUNANDING GOWERAL MANNE CONP BASE DRILLING LOG G-W21-/ 3. ADDRESS: OFFICE OF AC/S FACILITIES CAMP LETELLENS. FORMATION DESCRIPTION 4. TOPOGRAPHY: draw, valley, slope, hilltop, flat circle one) 145CS Classification __ DATE:__ 7-4-84 5. USE OF WELL: H.O Sandling 6. DOES THIS WELL REPLACE AN EXISTING WELL? GM 7. TOTAL DEPTH: 23.35 RIG TYPE OR METHOD: H.S.A 1.5-3 8. FORMATION SAMPLES COLLECTED: YES V NO 9. CASING: Depth Inside Wall thick. SC-SM Dia. or weight/ft. SCR 40 From D to 9.87ft PUC Depth 10. GROUT: Material Method From D to 5.5 ft If additional space is needed, use back of form 11. SCREEN: Depth Dia. Type & Opening a" Sel 40 PUC From 8.57 to 2335 ft LOCATION SKETCH (Show distance to numbered roads, or other map reference points) 12. GRAVEL: Depth Size Material From 7.35 to 23.35 ft 11 -13. WATER ZONES (depth): 14. STATIC WATER LEVEL: 11.0 ft. above top of casing Casing is 1.17 ft. above land surface ELEV: 103.23 15. YIELD (gpm): 7.5 METHOD OF TESTING: 16. PUMPING WATER LEVEL: //. 3 hours at 7.5 17. CHLORINATION: Type NA Amount 18. WATER QUALITY: F4/ TEMPERATURE (OF) 75 19. PERMANENT PUMP: Date Installed Capacity (gpm) HP ASK Type Intake Depth Make Airline Depth 20. HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND INFORMED OF THE DEPARTMENTS REQUIREMENTS AND RECOMMENDATIONS? 21. REMARKS I do hereby certify that this well was constructed in accordance with N.C. Well Construction and that this well record is true and exact. Regulations and Standards 12-17-84 SIGNATURE OF CONTRACTOR OF AGENT

DATE

Doc NO: CLEJ-00075 - 3.13 - 1/21/85-NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

. WELL RECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT

Nearest Town: MIDLI AY PANK	_	A C A C A
Act of the second second	County:	DAZEOC
(Road, Community or Subdivision and Lot No.)	Ouadrangle +	in CAMP LEJEUNE
. OWNER: COMMANDING GENERAL MANNE CORP BASE		DRILLING LOG GW22-/
. ADDRESS: OFFICE OF ACLS FACILITIES CAMP LETEUNE N.C.	DEPTH	173
TOPOGRAPHY: draw, valley, slope, hilltop (flat circle one)	FROM TO	FORMATION DESCRIPTION
. USE OF WELL: HO Sangling DATE: 7-6-84		(USCS Clariflestion
DOES THIS WELL REPLACE AN EXISTING WELL?	0-1,75	SM
TOTAL DEPTH: 20.38 RIG TYPE OR METHOD: H.S.A.	1.75-35	CL
FORMATION SAMPLES COLLECTED: YES NO	3-4	C
. CASING: Depth Inside Wall thick. type Dia. or weight/ft.	4-55	GM.
From O to 59 ft 2" Sch 40 PUC	5.25-21.5	SM
	·	
GROUT: Depth Material Method		
From O to 242 ft coment (2:1) poured		
·	f additional sp	pace is needed, use back of form
SCREEN: Depth Dia. Type & Opening		ade 15 header, use such of form
From £9 to 2038ft &" Sch 40 PUC		CATION SKETCH d roads, or other map reference points
GRAVEL: Depth Size Material From 4.58 to 20.38 ft Silica Sand		
2.42 4.58 Bestonite		
2.42 4.58 <u>Bestonite</u> WATER ZONES (depth): 10,5 - 20.38 (Toc)		
2.42 4.58 bestorite WATER ZONES (depth): 10,5 - 20.38 (Toc) STATIC WATER LEVEL: 10.5 ft. above top of casing	Ho.	Suean
2.42 4.58 bestorite WATER ZONES (depth): 10,5 - 20.38 (Toc) STATIC WATER LEVEL: 10.5 ft. above top of casing casing is 2.5 ft. above land surface ELEV: 102.49	Holcon	SNEADS FO
WATER ZONES (depth): 10,5 - 20.38 (Toc) STATIC WATER LEVEL: 10.5 ft. above top of casing Casing is 3.5 ft. above land surface ELEV: 102.99 YIELD (gpm): 4 METHOD OF TESTING: PUNDED	Holcomb	SNesos Ferry R
WATER ZONES (depth): 10,5 - 20.38 (Toc) STATIC WATER LEVEL: 10.5 ft. above top of casing Casing is 3.5 ft. above land surface ELEV: 102.49 YIELD (gpm): 4 METHOD OF TESTING: PUMPED	Holcomb Blvd	SNEADS FERRY RE
water zones(depth): 10.5 - 20.38 (Toc) STATIC WATER LEVEL: 10.5 ft. above top of casing Casing is 3.5 ft. above land surface ELEV: 102.49 YIELD(gpm): 4 METHOD OF TESTING: PUMPED PUMPING WATER LEVEL: 11.5 ft. after 1.5 hours at 4 gpm.	Holcomb Glud	SNeros Ferry Re
water zones (depth): 10,5 - 20.38 (Toc) STATIC WATER LEVEL: 10.5 ft. above top of casing Casing is 3.5 ft. above land surface ELEV: 102.99 YIELD (gpm): 4 METHOD OF TESTING: PUMPED PUMPING WATER LEVEL: 11.5 ft. after 1.5 hours at 4 gpm. CHLORINATION: Type NA Amount	Holcomb Blvd	SNEADS FORM R
WATER ZONES (depth): 10,5 — 20.38 (Toc) STATIC WATER LEVEL: 10.5 ft. above top of casing Casing is 3.5 ft. above land surface ELEV: 102.49 YIELD (gpm): 4 METHOD OF TESTING: 104.000 PUMPING WATER LEVEL: 11.5 ft. after 1.5 hours at 4 gpm. CHLORINATION: Type NA Amount WATER QUALITY: 11.5 TEMPERATURE (°F) 7/	Holcomb Blvd	SNONOS Form Re
WATER ZONES (depth): 10,5 - 20.38 (Toc) STATIC WATER LEVEL: 10.5 ft. above top of casing Casing is 7.5 ft. above land surface ELEV: 102.49 YIELD (gpm): 4 METHOD OF TESTING: 102.49 PUMPING WATER LEVEL: 11.5 ft. after 1.5 hours at 4 gpm. CHLORINATION: Type NA Amount WATER QUALITY: 1000 TEMPERATURE (°F) 7/	Holcomb Blvd	sucros Form R.
WATER ZONES (depth): 10,5 - 20.38 (Toc) STATIC WATER LEVEL: 10.5 ft. above top of casing below top of casing casing is 3.5 ft. above land surface ELEV: 102.99 YIELD (gpm): 4 METHOD OF TESTING: PUMPED PUMPING WATER LEVEL: 11.5 ft. after 1.5 hours at 4 gpm. CHLORINATION: Type NA Amount WATER QUALITY: Pool TEMPERATURE (°F) 7/ PERMANENT PUMP: Date Installed NA	Blvd	of El+AS,
WATER ZONES (depth): 10,5 — 20.38 (Toc) STATIC WATER LEVEL: 10.5 ft. above top of casing Casing is 3.5 ft. above land surface ELEV: 102.49 VIELD (gpm): // METHOD OF TESTING: PUMPED PUMPING WATER LEVEL: //.5 ft. after /-5 hours at // gpm. CHLORINATION: Type NA Amount WATER QUALITY: Poon TEMPERATURE (°F) 7/ PERMANENT PUMP: Date Installed NA Type Capacity (gpm) HP	Holcomb Glvd	of El+AS,
Bestorite WATER ZONES (depth): 10,5 - 20.38 (Toc) STATIC WATER LEVEL: 10.5 ft. above top of casing below top of casing casing is 3.5 ft. above land surface ELEV: 102.49 YIELD (gpm): 4 METHOD OF TESTING: 102.49 PUMPING WATER LEVEL: 11.5 ft. after 1.5 hours at 4 gpm. CHLORINATION: Type NA Amount WATER QUALITY: 1000 TEMPERATURE (OF) 7/ PERMANENT PUMP: Date Installed NA Type Capacity (gpm) HP Make Intake Depth	ASI	of El +AS, i
2.42 4.58 Bestorite 13. WATER ZONES (depth): 10.5 - 20.38 (Toc) 14. STATIC WATER LEVEL: 10.5 ft. above top of casing Casing is 3.5 ft. above land surface ELEV: 102.49 15. YIELD (gpm): 4 METHOD OF TESTING: 102.49 16. PUMPING WATER LEVEL: 11.5 ft. after 1.5 hours at 4 gpm. 17. CHLORINATION: Type NA Amount 18. WATER QUALITY: 1000 TEMPERATURE (°F) 7/ 19. PERMANENT PUMP: Date Installed NA Type Capacity (gpm) HP Make Intake Depth Airline Depth Intake Depth	ASI	n ST

DOC NO: CLEJ -00075 -3. B - 1/81 185-NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

WELL RECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT

DR	ILLING CONTRACTOR STS CONSULTANTS, Ltd., REG. NO. 19	WELL CONSTRUCTION PERMIT NO.
1.	WELL LOCATION: (Show sketch of the location below)	Austra
	Nearest Town: MIDWAY PANK	County: ONSCOW
	(Road, Community or Subdivision and Lot No.)	Quadrangle In CAMPLESEUNE
2.	OWNER: COMMANDING CONEMAL, MARINE WARD BAI	DRILLING LOG G-W22-2
3.	ADDRESS: OFFICE OF ACIS FACILITIES, CAMPLETEVINE, N.C.	
4.	TOPOGRAPHY: draw, valley, slope, hilltop flat (circle one)	FROM TO FORMATION DESCRIPTION USCS Classification
5.	USE OF WELL: H.O Sangling DATE: 7-6-84	
6.	DOES THIS WELL REPLACE AN EXISTING WELL? NO	0-60' SM
7.	TOTAL DEPTH: 21.00 RIG TYPE OR METHOD: H.S.A.	60-85 SM-SC
8.	FORMATION SAMPLES COLLECTED: YES V NO	8.5-910 SM
9.	CASING: Depth Inside Wall thick. type Dia. or weight/ft.	90-100 SM-SC
	Prom O to 654 et 27 Sel 40 PVC	100-105 SM
		15:165 SM-SC
		20-21.5 SM
10.	GROUT: De Material Method	
	From 0 to 4.59 ft commit(a:1) poured	
•		
11.	SCREEN: Depth Dia. Type & Opening	If additional space is needed, use back of form
	From 654 to 21.00 ft 2" Sel 40 PVC (Show)	LOCATION SKETCH distance to numbered roads, or other map reference points)
		and the state of t
12.	GRAVEL: Depth Size Material	
	From 5.0 to 210 ft Silica Sund	
,	45 50 Bestruite	Sheads Ferry K
13.	WATER ZONES (depth): 9.6 Z1.0 (TOC)	
	A 1 above	
14.	STATIC WATER LEVEL: 4.6 ft. above top of casing	
	Casing is 2.5 it. above land surface ELEV: 100.06	# 0
	YIELD (gpm): 5 METHOD OF TESTING: PUMPED	S 6422-2 , 44
16.	pumping water Level: 9.9 ft.	5 ~200 from + A.S. + 4 D ~200 from + A.S. + 4
	after hours at gpm.	
	CHLORINATION: Type Amount	B ASh ST
	WATER QUALITY: FAIR TEMPERATURE (°F) 7/	1
19.	PERMANENT PUMP: Date Installed	3/2
	TypeCapacity(gpm) HP MakeIntake Depth	•
	Airline Depth	
20.	HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND I	NFORMED OF THE DEPARTMENTS REQUIREMENTS AND
	RECOMMENDATIONS?	
21.	REMARKS I do hereby certify that this well was constructed in a	ccordance with N.C. Well Construction
	Regulations and Standards and that this well record is	true and exact.
	R) knot Womberger	_ 12-17-84

DOC NO : CLET - 000 75 -3.13 - 1/21/85

NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT WELL RECORD DIVISION OF ENVIRONMENTAL MANAGEMENT P. O. Box 27687 - RALEIGH, N.C. 27611 919-733-2020 DRILLING CONTRACTOR STS. BONSULTANTS, Ltd. REG. NO. 191 WELL CONSTRUCTION PERMIT NO 1. WELL LOCATION: (Show sketch of the location below) precom MIDWAY PANK Nearest Town:__ County: Louis NO CAMP LEJEUNE CAMP LETEUNE Quadrangle 40 (Road, Community or Subdivision and Lot No.) 2. OWNER: COMMANDING GENERAL, MARINE CORP BASE DRILLING LOG 3. ADDRESS: OFRCE OF ACIS FACILITIES CAMP CETEURE, N.C. FORMATION DESCRIPTION TOPOGRAPHY: draw, valley, slope, hilltop, flat circle one (USCS Classification 5. USE OF WELL: _HO Sameling DATE: 6. DOES THIS WELL REPLACE AN EXISTING WELL? ΜL H-S-A TOTAL DEPTH: 20.27 RIG TYPE OR METHOD: SM 8. FORMATION SAMPLES COLLECTED: YES NO 9. CASING: Depth Inside Wall thick. or weight/ft. ±0 585 ft 10. GR^ Depth Material Method If additional space is needed, use back of form 11. SCREEN: Dia. Depth & Openiag From 6. 85 to 2027 ft LOCATION SKETCH (Show distance tonumbered roads, or other map reference points) 12. GRAVEL: Depth DOGWOOD ST From 4.41 to 2027 ft 3.27 4.41 13. WATER ZONES (depth): 14. STATIC WATER LEVEL: 4.7 ft. above top of casing Casing is 2.7 ft. above land surface ELEV: 91.1

METHOD OF TESTING: PURPED

9.8 16. PUMPING WATER LEVEL:

hours at

17. CHLORINATION: Type Amount

18. WATER QUALITY: GOOD TEMPERATURE (°F) 67

19. PERMANENT PUMP: Date Installed_ __(gpm) HP_ Capacity_ Type Intake Depth Make

Airline Depth

20. HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND INFORMED OF THE DEPARTMENTS REQUIREMENTS AND RECOMMENDATIONS?

21. REMARKS I do hereby certify that this well was constructed in accordance with N.C. Well Construction Regulations and Standards and that this well record is true and exact.

> 12-17-84 OF CONTRACTOR OF AGE T

DOC NO: CLET -00075 - 3.13 - 1/21/85-NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

WELL RECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT

DRI	LLING CONTRACTOR STS CONSULTANTS, LTd. REG. NO. 19	WELL CONSTRU	CTION PERMIT NO.
1.	WELL LOCATION: (Show sketch of the location below)		
	Nearest Town: MUDWAY PARK	County:	Opscow
	(Road, Community or Subdivision and Lot No.)		CAMP LEJEUNE
	OWNER: COMMANDING AFRICAL, MANUNE COAP BASE		RILLING LOG GW24-2
3.	ADDRESS: OFFICE OF ACIS FACILITIES CAMP LETEUNE N.	FROM TO	FORMATION DESCRIPTION
4.	TOPOGRAPHY: draw, valley, Glope hilltop, flat (circle one)		(45CS Classification
	USE OF WELL: H.O Sampling DATE: 7-7-84		CAA
	DOES THIS WELL REPLACE AN EXISTING WELL?	0-a1.5	SM
	TOTAL DEPTH: 19.42 RIG TYPE OR METHOD: H.S.A.	<u> </u>	
	FORMATION SAMPLES COLLECTED: YES NO		
	CASING: Depth Inside Wall thick. type Dia. or weight/ft.		
	Prom O to 4.94 ft 2.4 Sch 40 PUC		
	** *		·
		***************************************	•
10.	GROUT: Depth Material Method		
	From (to 1,72 st coment (a:1) pource	×	
		*	
11.	SCREEN: Depth Dia. Type & Opening	il additional space	is needed, use back of form
	From 4.99 to 19.92 ft 2" Sel 40 PVC		ION SKETCH
	,OIO plat	distance to numbered to	ads, or other map reference points)
			5).
			77. Z
12.	GRAVEL: Depth Size Material		Levil "
	From 2,67 to 19.15 ft Silica Sand	$\sqrt{\rho_0}$	
٠-	1.72 267 Rentonite	/ ~ ?	4WOODST
13.	WATER ZONES (depth):	/	
	3.6- 19,42' (TOC)		/ po
14.	STATIC WATER LEVEL: 3.6 ft. above top of casing	/	~ 1000 to
	Casing is 2.5 ft. above land surface ELEV: 76.57	- \	D2.40
15.	YIELD (qpm): 3.0 METHOD OF TESTING: PURPED	A	6 Guardan
16.	PUMPING WATER LEVEL: 3.6 ft.	9 0	4027-2
	after / hours at 8-0 gpm.		•
17.	CHLORINATION: Type NA Amount	/	
	WATER QUALITY: 600D TEMPERATURE (°F) 7/	was pro-	
	PERMANENT PUMP: Date Installed		
	Type Capacity (gpm) HP	•	
	Make Intake Depth		
	Airline Depth		
20.	HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND I	INFORMED OF THE DEPA	RTMENTS REQUIREMENTS AND
21.	REMARKS	<u> </u>	
	I do hereby certify that this well was constructed in a Regulations and Standards and that this well record is	true and exact.	Well Construction
	STENAMOR OF CONTRACTOR OF AGENT	DAME	

DOC NO: CLET - 00075 - 3. 13 - 1/21/85-NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

DIVISION OF ENVIRONMENTAL MANAGEMENT

DRI	LLING CONTRACTOR STS CONSULTAMS, LTd. REG. NO. 19	WELL CONST	RUCTION PERMIT NO.
1. 9	WELL LOCATION: (Show sketch of the location below)		
.*	Nearest Town: MIDWAY ALAK	County:	Ouside
	(Road, Community of Subdivision and Lot No.)	Quadrangle No.	CAMP LESEUNE
2. (owner: Commander General, whalle comp rise	,	DRILLING LOG G-V24-3
3. 2	ADDRESS : OFFICE OF ACIS FACILITIES, CAMPLEJOUNE, N.C.	DEPTH	FORMATION DESCRIPTION
4. 7	TOPOGRAPHY: draw valley slope, hilltop, flat (circle one)	FROM TO	(45CS Clarification
5. t	ISE OF WELL: # 0 Sampling DATE: 7-7-84		· · · · · · · · · · · · · · · · · · ·
6. 0	DOES THIS WELL REPLACE AN EXISTING WELL? NO	0-35	SM
7. 7	NOTAL DEPTH: 1980 RIG TYPE OR METHOD: H.S.A.	3.5-4.5	5M-5C
8. E	FORMATION SAMPLES COLLECTED: YESNO	4.5-16.5	3M
9. 0	CASING: Depth Inside Wall thick. type Dia. or weight/ft.	200-265	G-M
F	From 0 to 5.3 ft 27 Sel 40 PUC		
10. 6	GROUT: Depth Material Method		
F	From O to 3 of st (ement(2:1) abouted		
	• • •	•	
11. 5	SCREEN: Depth Dia. Type & Opening	If additional space	e is needed, use back of form
	From 5.3 to 198 ft 2" Sch 40 PVC -	LOCA	TION SKETCH
_	OIO Slot	distance to numbered	roads, or other map reference points)
12. 6	GRAVEL: Depth Size Material		
	From 4.3 to 19.8 ft Silies Sand		
•	3.26 4.3 Bentonite		KILL
12 %	WATER ZONES (depth): 5.1 19.8 (Toc)	∕a f	Duncan Duncan
13. 6	WILL BOXES (VEPLI)	by Cost	3/ 09
	and the state of state of state of		
	STATIC WATER LEVEL: <u>C.1</u> ft. above top of casing below top is 3.5 ft. above land surface ELEV: 82.8		~ 1000 from + 0.5
			OS. 176 3. E.
	METHOD OF TESTING: PUMPED OF TESTING: PUMPED	_	0
		ð	B G-029-5
	after / hours at 5.5 gpm.		
	THIORINATION: Type NA Amount		
18. W	NATER QUALITY: POOR TEMPERATURE (OF) 68	And the second	
19. F	PERMANENT PUMP: Date Installed		
. 1	Type Capacity (gpm) HP		
M	MakeIntake Depth		
2	Airline Depth		
	HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND I	NFORMED OF THE DEP	ARTMENTS REQUIREMENTS AND
	REMARKS		
I	do hereby certify that this well was constructed in a Regulations and Standards and that this well record is	ccordance with N.C	. Well Construction

NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

WELL RECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT

DK	ILLING CONTRACTOR 3/3 COOSSICTION LITER. NO. 17	WELL CONSTRUCTION PERMIT NO.
1.	WELL LOCATION: (Show sketch of the location below)	
	Nearest Town: MIDWAY PANIC	County: ONCOM
	(Road, Community or Subdivision and Lot No.)	Quadrangle No. CAMP LEJOUNE
2.	OWNER: COM MANDING GENERAL MARINE CORP BASE	DRILLING LOG GUAY-Y
3.	ADDRESS: OFFICE OF ACIS FACILITIES, CAMP LETEUNE M.C. 285%	<u>DEPTH</u>
4.	TOPOGRAPHY: draw, valley, slope, hilltop (flat) (circle one)	FROM TO FORMATION DESCRIPTION (US CS Classification)
5.	USE OF WELL: H.O Sampling DATE: 7-7-84	
	DOES THIS WELL REPLACE AN EXISTING WELL? NO	0-1.5 / SM
7.	TOTAL DEPTH: 21.37 RIG TYPE OR METHOD: H.S.A.	1.5-6. SM-SC
8.	FORMATION SAMPLES COLLECTED: YES / NO	60-235 SM
9.	CASING: Depth Inside Wall thick. type Dia. or weight/ft.	
	Prom O to 6.9 ft 3." Sol 40 PUC	
	7. 1	
10.	GROUT: Depth Material Method	
	From 0 to 4.9 ft coment(3:1) poured	
11.	SCREEN: Depth Dia. Type & Opening	f additional space is needed, use back of form
	From 6.9 to 21.37 ft 2" Sch 40 PVC	LOCATION SKETCH
		istance to numbered roads, or other map reference points)
		,
12.	GRAVEL: Depth Size Material	
	From 59 to 21.3 ft Silica Sand	
	4.9 5.9 Bentonite	Yes /
13.	WATER ZONES (depth): 8.5 - 21.37' (foc)	The second secon
14.	STATIC WATER LEVEL: 8.5 ft. above top of casing	
	Casing is 3.10 ft. above land surface ELEV: 91.41	Name of the
15.	YIELD (gpm): 7 METHOD OF TESTING: PUMPED	1000 from +05+CS. To
16.	PUMPING WATER LEVEL: 8.7 ft.	Dogwood S-SE
	after 3 hours at 7 gpm.	<i>'</i> /
17.	CHLORINATION: Type NA Amount	•
18.	WATER QUALITY: GOOD TEMPERATURE (°F) 67	
19.	PERMANENT PUMP: Date Installed	0 0
	TypeCapacity(gpm) HP	8
	MakeIntake Depth	
	Airline Depth	
20.	HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND IN RECOMMENDATIONS?	FORMED OF THE DEPARTMENTS REQUIREMENTS AND
21:.	REMARKS	
	I do hereby certify that this well was constructed in ac Regulations and Standards and that this well record is t	cordance with N.C. Well Construction rue and exact.
	Allrister-bromberge 1	2/19/84
	SIGNATURE OF CONTRACTOR OF AGENT	DATE

Do C NO : CLET - 00075 -3.13 - 1/21/85-NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

WELL RECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT

DR	ILLING CONTRACTOR STS CONSULTANTS, L+4 REG. NO. 1	7/ WELL CONSTRUCTION PERMIT NO.
1.	WELL LOCATION: (Show sketch of the location below)	
	Nearest Town: MIDWAY PACK	County: OPS COW
	O STREET, CAMPLESEURE	Quadrangle How CAMP LEJEVNE
-	(Road, Community or Subdivision and Lot No.)	DD71179C 100 6/12/1-5
	OWNER: COMMANDING GENERAL MAKINE ORD BASE	DRILLING LOG &U24-5
	ADDRESS: OFFICE OF ACIS FACILITIES CAMP LETEUNE M. C. 28540	FROM TO FORMATION DESCRIPTION
	TOPOGRAPHY: draw, valley, slope, hilltop (flat circle one) USE OF WELL: H.O Sameling DATE: 7-7-8 Y	(45 CS Closification
	DOES THIS WELL REPLACE AN EXISTING WELL?	0-5. Tourel
	TOTAL DEPTH: 22.37 RIG TYPE OR METHOD: H-S.A.	_5-75 SM
	FORMATION SAMPLES COLLECTED: YES / NO	7.5-9.0 SM-SC
	CASING: Depth Inside Wall thick. type Dia. or weight/ft.	9.0-10.5 SM
	From D to 7.9 ft d" Sel 40 PVC	15.0-16.5 SM-SC
	7. 3	20.0-245 SM
10.	GROUT: Depth Material Method	
	From D to 5.9 ft amout (5:1) poured	
		If additional space is needed, use back of form
11.	SCREEN: Depth Dia. Type & Opening	il additional space is needed, use back of form
	From 7.9 to 2257 ft 3" Sel 40 PVC (Short	LOCATION SKETCH distance to numbered roads, or other map reference points
		distance to numbered rosus, or other map reference points
12.	GRAVEL: Depth Size Material	<u> </u>
	Prom 6.5 to 20.37ft Slice Sand	
-	4.5 6.5 bentonite	
13.	WATER ZONES (depth): 124-22.37 (Toc)	
	ahoro	
14.	STATIC WATER LEVEL: 12.4 ft. above top of casing below	0 0 may-5
	Casing is 2.1 ft. above land surface ELEV: 100.0	0) waso prome tot
	YIELD (gpm): 7.5 METHOD OF TESTING: PUMPED PUMPING WATER LEVEL: 12.5 ft.	00 00 00 00 00 00 00 00 00 00 00 00 00
16.		<i>'</i>
	WATER QUALITY: 600 TEMPERATURE (°F) 68	
	PERMANENT PUMP: Date Installed NA	
73.	Type Capacity (gpm) HP	
	Make Intake Depth	•
	Airline Depth	
20.	HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND I	INFORMED OF THE DEPARTMENTS REQUIREMENTS AND
	RECOMMENDATIONS?	·
21.	REMARKS I do hereby certify that this well was constructed in a	accordance with N.C. Well Construction
	Regulations and Standards and that this well record is	
	SIGNATURE OF CONTRACTOR OF AGENT	12/18/84 DATE

DOC NO: CLEJ - 00075 - 3.13 - 1/2/85-NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

DIVISION OF ENVIRONMENTAL MANAGEMENT

Nearest Town: MIDUAY PARK	County:	Dh200 m
(Road, Community or Subdivision and Lot No.)	Quadrangle No.	T. CAMP LEJBUNE
OWNER: COMMANDING BONERAL, MARINE COAP BASE		DRILLING LOG GU28-1
ADDRESS: OFFICE OF AC/S FACILITIES CAMP LEXUNE, N.C.	DEPTH FROM TO	FORMATION DESCRIPTI
TOPOGRAPHY: draw, valley, slope, hilltop, flat (circle one	FROM TO	(USGS Clarifies
DOES THIS WELL REPLACE AN EXISTING WELL? NO	0-30	SM
TOTAL DEPTH: /9.21 RIG TYPE OR METHOD: H.SA.	30-60	G-M
FORMATION SAMPLES COLLECTED: YES NO	6.0-165	SM
CASING: Depth Inside Wall thick. type Dia. or weight/ft.	,	
From D to 4.68 ft 21 Sch 40 PVC	-	
		,
GROUT: Depth Material Method		
From D to 2.17 ft (compat(2:1) poured		

SCREEN: Depth Dia. Type & Opening	ir additional spa	ice is needed, use back of for
From 468to 1921 ft 2" Sel 40 PVC -	Loc	ATION SKETCH
· ·	1	•
GRAVEL: Depth Size Material From 392 to 1921ft Clica Sand 2.17 3.92 Bentonite	7.23	
From 392 to 1921ft Clica Sand	75 "0"	
From 392 to 1921ft Send 217 3.92 Bentonite WATER ZONES (depth): 4.6 - 19.21' (76c)	75 "0"	
From 392 to 1921ft 217 3.92 WATER ZONES (depth): 4.6 STATIC WATER LEVEL: 4.6 ft. above top of casing	10	
From 392 to 1921ft 217 3.92 WATER ZONES (depth): 4.6 STATIC WATER LEVEL: 4.6 ft. above top of casing	er Rd ~1000'	from + of RR. +OS. To S.E
From 392 to 1921ft 217 3.92 WATER ZONES (depth): 4.6 — 19.21' (76c) STATIC WATER LEVEL: 4.6 ft. above top of casing Casing is 2.34 ft. above land surface ELEV: 60.57 RIV	er Rd ~1000'	from + of RR. +O.S. To S.E.
From 392 to 1921ft 2.17 3.92 WATER ZONES (depth): 4.6 19.21' (76c) STATIC WATER LEVEL: 4.6 ft. above top of casing (Casing is 2.34 ft. above land surface ELEV: 6.7 RIV YIELD (gpm): 8.5 METHOD OF TESTING: RIMPED	1000	
From 392 to 1921ft 217 3.92 Bentonite WATER ZONES (depth): 4.6 — 19.21' (76c) STATIC WATER LEVEL: 4.6 ft. above top of casing Casing is 3.34 ft. above land surface ELEV: 60.32 YIELD (gpm): 8.5 METHOD OF TESTING: RIMPED PUMPING WATER LEVEL: 4.6 ft. after 3 hours at 8.5 gpm. CHLORINATION: Type NA Amount	er RA NIOCO'	
From 392 to 1921ft 217 3.92 WATER ZONES (depth): 4.6 — 19.21' (76c) STATIC WATER LEVEL: 4.6 ft. above top of casing casing is 2.34 ft. above land surface ELEV: 60.7 RIV YIELD (gpm): 8.5 METHOD OF TESTING: RUMPED PUMPING WATER LEVEL: 4.6 ft. after 3 hours at 8.5 gpm.	1000	
STATIC WATER LEVEL: 4.6 ft. above top of casing casing is 3.3 ft. above land surface ELEV: 6.9 AIV YIELD (gpm): 8.5 METHOD OF TESTING: 8.10 PUMPING WATER LEVEL: 4.6 ft. after 3 hours at 8.5 gpm. CHLORINATION: Type NA Amount WATER QUALITY: FAIR TEMPERATURE (°F) 7/ PERMANENT PUMP: Date Installed NA	1000	
From 392 to 1921ft 217 3.92 Bentonite WATER ZONES (depth): 4.6 — 19.21' (76c) STATIC WATER LEVEL: 4.6 ft. above top of casing (Casing is 2.34 ft. above land surface ELEV: 60.27 RIV YIELD (gpm): 8.5 METHOD OF TESTING: RUMPED PUMPING WATER LEVEL: 4.6 ft. after 3 hours at 8.5 gpm. CHLORINATION: Type NA Amount WATER QUALITY: FAIR TEMPERATURE (°F) 7/ PERMANENT PUMP: Date Installed NA Type Capacity (gpm) HP	1000	
STATIC WATER LEVEL: 4.6 ft. above top of casing casing is 3.34 ft. above land surface ELEV: 60.7 RIV YIELD (gpm): 8.5 METHOD OF TESTING: RUMPEU PUMPING WATER LEVEL: 4.6 ft. after 3 hours at 8.5 gpm. CHLORINATION: Type MA Amount WATER QUALITY: FAIN TEMPERATURE (°F) 7/ PERMANENT PUMP: Date Installed MA Type Capacity (gpm) HP Make Intake Depth	1000	
From 392 to 1921ft 217 3.92 Bentonite WATER ZONES (depth): 4.6 — 19.21' (76c) STATIC WATER LEVEL: 4.6 ft. above top of casing Casing is 2.34 ft. above land surface ELEV: 60.0 RIV YIELD (gpm): 8.5 METHOD OF TESTING: RUMPED PUMPING WATER LEVEL: 4.6 ft. after 3 hours at 8.5 gpm. CHLORINATION: Type MA Amount WATER QUALITY: FAIN TEMPERATURE (°F) 7/ PERMANENT PUMP: Date Installed MA Type Capacity (gpm) HP Make Intake Depth Airline Depth	New	River
STATIC WATER LEVEL: 4.6 ft. above top of casing casing is 3.34 ft. above land surface ELEV: 60.7 RIV YIELD (gpm): 8.5 METHOD OF TESTING: RUMPEU PUMPING WATER LEVEL: 4.6 ft. after 3 hours at 8.5 gpm. CHLORINATION: Type MA Amount WATER QUALITY: FAIN TEMPERATURE (°F) 7/ PERMANENT PUMP: Date Installed MA Type Capacity (gpm) HP Make Intake Depth	New	River
STATIC WATER LEVEL: 4.6 ft. above top of casing Casing is 3.3 ft. above land surface ELEV: 6.3 RIV YIELD (gpm): 8.5 METHOD OF TESTING: RIMPED PUMPING WATER LEVEL: 4.6 ft. after 3 hours at 8.5 gpm. CHLORINATION: Type NA Amount WATER QUALITY: FAIR TEMPERATURE (°F) 7/ PERMANENT PUMP: Date Installed NA Type Capacity (gpm) HP Make Intake Depth HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND	New Dinformed of the Di	River EPARTMENTS REQUIREMENTS AND

DO C NO: CLET - 000 75 - 3.13 - 1/2/185-NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

WELL RECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT

DRILLING CONTRACTOR STS CONSULTANTS, LTd. REG. NO. 191	WELL CONST	RUCTION PERMIT NO.
1. WELL LOCATION: (Show sketch of the location below)		
Nearest Town: MIDWAY PARIC	County:	Omeron
RIVER Rd. CAMP LEJEUNE	Quadrangle Ne	CAMP LETEUNE
(Road, Community or Subdivision and Lot No.)		
2. OWNER: COMMANDING GENERAL CAMP LETEURE MANUAL CONFUNE		DRILLING LOG G-U24-2
3. ADDRESS: OFFICE OF ACIS FACILITIES, CAMP CESTURE AC	a FROM TO	FORMATION DESCRIPTION
4. TOPOGRAPHY: draw, valley, slope, hilltop, flat(circle one)	`	(45CS Classificatio
5. USE OF WELL: HO Sampling DATE: 7-7-84		
6. DOES THIS WELL REPLACE AN EXISTING WELL?	0-160	<u>5M</u>
7. TOTAL DEPTH: 19.47 RIG TYPE OR METHOD: H.S.A.	16.0-165	<u>SW</u>
8. FORMATION SAMPLES COLLECTED: YES VNO	19.5-20.0	SM
9. CASING: Depth Inside Wall thick. type Dia. or weight/ft.	20.0-21.0	woody east
From 0 to 50 ft at Sch 40 PVC		
10. GROUT: Depth Material Method		
From B to Z ft coment (6:1) source		
11. SCREEN: Depth Dia. Type & Opening	If additional spa	ace is needed, use back of form
PromSol tc/9 77ft 2" Sch 40 PUC		CATION SKETCH
Show	distance to numbered	roads, or other map reference points
12. GRAVEL: Depth Size Material	51/	
From 3.0 to 19.47ft Slice Sand	. 5/	
2.w S.D Lestonile	"0/	
13. WATER ZONES (depth): 2.8 - 19.47 (TOC)	7	
14. STATIC WATER LEVEL: 22 ft. above top of casing Rive	×	
Casing is 2.5 ft. above land surface ELEV: 99.98 Rd		
15. YIELD (gpm): 8.5 METHOD OF TESTING: PJ MPED		
16. PUMPING WATER LEVEL: 2.9 ft.		1750 from + RR. 4
after 3 hours at 8.5 gpm.		to S.E
17. CHLORINATION: Type ///A Amount		
18. WATER QUALITY: POOR TEMPERATURE (°F) 73		
19. PERMANENT PUMP: Date Installed		٧ حس
Type Capacity (gpm) HP	New	River
MakeIntake Depth		rivey
Airline Depth		
20. HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND	INFORMED OF THE D	EPARTMENTS REQUIREMENTS AND
RECOMMENDATIONS?		
21. REMARKS / I do hereby certify that this well was constructed in	accordance with N	.C. Well Construction
Regulations and Standards and that this well record is	s true and exact.	
MA Kush Monthey /	2-18-84 Date	

DOC NO: CLEJ-00075 -8.13 - 1/21/85-NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

WELL RECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT

P. O. Box 27687 - RALEIGH, N.C. 27611 919-733-2020

COUSULTANT Ctd - REG. NO. 191 WELL C

WELL LOCATION: (Show sketch of the location below)		Destination of
Nearest Town: MID WAY PARIC	County:	ONSTOR
(Road, Community or Subdivision and Lot No.)	Quadrangle No.	CAMP LEJEUNE
OWNER: COMMANDING GENERAL, WARING CORP BA		DRILLING LOG G-428-3
ADDRESS: OFFICE OF ACIS FACILITIES CAMP CETEVINE IN	C DEPTH FROM TO	FORMATION DESCRIPTION
TOPOGRAPHY: draw, valley, slope, hilltop, flat (circle one)		(USCS Classifical
USE OF WELL: H.O Sampling DATE: 7-7-94	· ·	<u> </u>
DOES THIS WELL REPLACE AN EXISTING WELL? NO	0-3.0 /	SM
TOTAL DEPTH: 18.57 RIG TYPE OR METHOD: H.S.A.	30-4.0	SM-5(
FORMATION SAMPLES COLLECTED: YES V NO	40-55	wood + other organic
CASING: Depth Inside Wall thick. type Dia. or weight/ft.	¥.5-60	SM-SC
From 8 to 4.1 ft 2" Schyo PVC	60-7.5	
	65-26.5	'sm
GROUT: Depth Material Method		
From 10 311 ft (ment(2:1) noured		`
	`	
SCREEN: Depth Dia. Type & Opening	If additional space	e is needed, use back of for
From 41 to 19,57 ft 2" Sch 40 PUC	Loca	TION SKETCH
.010 slot	distance to numbered r	oads, or other map reference point
	.1/	
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
GRAVEL: Depth Size Material	'à sT	
GRAVEL: Depth Size Material From 3/1 to 1857ft Silica Son	'à sT	
GRAVEL: Depth Size Material Prom 3/1 to /8.57ft Silica Son/ A // 3/1 Restmite	'à sT	
GRAVEL: Depth Size Material From 3.11 to 18.57ft Silica Sand 2.11 3.11 Bentonite	'à sT	- Loom + RR
GRAVEL: Depth Size Material From 3/1 to/85/ft 3.11 Bentinite 18-57/700 RIVER ZONES (depth): 3.5 18-57/700	e st	
GRAVEL: Depth Size Material From 3/1 to/85/ft 2.11 3.11 WATER ZONES (depth): 3.5 STATIC WATER LEVEL: 3.5 ft. above top of casing	o st	- Lam + RR
GRAVEL: Depth Size Material From 3/1 to/85/ft 3.11 WATER ZONES (depth): 3.5 STATIC WATER LEVEL: 3.5 ft. above top of casing Casing is 2.5 ft. above land surface ELEV: 99.8	e o	- Lam + RR
GRAVEL: Depth Size Material From 3/1 to/85/ft 2.11 3.11 WATER ZONES (depth): 3.5 P-5) (foc) STATIC WATER LEVEL: 3.5 ft. above top of casing Casing is 2.5 ft. above land surface ELEV: 99.8 YIELD (gpm): 3.1 METHOD OF TESTING: P. M.P.ED	e o	~ 4500 from + RR to E-SE
GRAVEL: Depth Size Material From 3/1 to/85/ft 3.11 WATER ZONES (depth): 3.5 STATIC WATER LEVEL: 3.5 ft. above top of casing Casing is 2.5 ft. above land surface ELEV: 99.8 YIELD (gpm): 3.5 METHOD OF TESTING: P. M.P.P. PUMPING WATER LEVEL: 5.5 ft.	e o	~ 4500 from + RR to E-SE
GRAVEL: Depth Size Material From 3/1 to/85/ft 2.11 3.11 WATER ZONES (depth): 3.5 19-5) (foc) STATIC WATER LEVEL: 3.5 ft. above top of casing Casing is 2.5 ft. above land surface ELEV: 99.8 YIELD (gpm): 3.5 METHOD OF TESTING: 6.100 PPMPEN PUMPING WATER LEVEL: 5.5 ft. after 1/2 hours at 3.5 gpm.	e o	~ 4500 from + RR to E-SE
GRAVEL: Depth Size Material From 3/1 to/85/ft 3.11 WATER ZONES (depth): 3.5 STATIC WATER LEVEL: 3.5 ft. above top of casing Casing is 2.5 ft. above land surface ELEV: 99.8 YIELD (gpm): 3.5 METHOD OF TESTING: P. MPED PUMPING WATER LEVEL: 5.5 ft. after 1/2 hours at 3.5 gpm. CHLORINATION: Type NA Amount	Q O	~ 4500 from + RR to E-SE
GRAVEL: Depth Size Material From 3/1 to/85/ft 3.11 WATER ZONES (depth): 3.5 STATIC WATER LEVEL: 3.5 ft. above top of casing Casing is 2.5 ft. above land surface ELEV: 99.8 YIELD (gpm): 3.5 METHOD OF TESTING: PUMPED PUMPING WATER LEVEL: 5.5 ft. after 1/2 hours at 3.5 gpm. CHLORINATION: Type NA Amount	Q O	~ 4500 from + RR to E-SE
GRAVEL: Depth Size Material From 3/1 to/85/ft 3.11 WATER ZONES (depth): 3.5 STATIC WATER LEVEL: 3.5 ft. above top of casing Casing is 2.5 ft. above land surface ELEV: 97.8 YIELD (gpm): 3.5 METHOD OF TESTING: P. MPED PUMPING WATER LEVEL: 5.5 ft. after 1/2 hours at 3.5 gpm. CHLORINATION: Type NA Amount	Q O	~ 4500 from + RR to E-SE
GRAVEL: Depth Size Material From 3/1 to/85ft 3.11 WATER ZONES (depth): 3.5 STATIC WATER LEVEL: 3.5 ft. above top of casing Casing is 2.5 ft. above land surface ELEV: 97.8 YIELD (gpm): 3.5 METHOD OF TESTING: P.MPED PUMPING WATER LEVEL: 5.5 ft. after 1/2 hours at 3.5 gpm. CHLORINATION: Type NA Amount WATER QUALITY: GOOD TEMPERATURE (°F) 78 PERMANENT PUMP: Date Installed NA Type Capacity (gpm) HP	e o o von River	~ 4500 from + RR to E-SE
GRAVEL: Depth Size Material From 3/1 to/85/ft 2.11 3.11 WATER ZONES (depth): 3.5 19-5) (Toc) STATIC WATER LEVEL: 3.5 ft. above top of casing Casing is 2.5 ft. above land surface ELEV: 99.8 YIELD (gpm): 3.5 METHOD OF TESTING: P. M.P.ED PUMPING WATER LEVEL: 5.5 ft. after 1/2 hours at 3.5 gpm. CHLORINATION: Type NA Amount	Q O	~ 4500 from + RR. to E-SE.
GRAVEL: Depth Size Material From 3/1 to /8.7ft Silica Son/ 2.11 3.11 Bentmite WATER ZONES (depth): 3.5 (9-5) (70) STATIC WATER LEVEL: 3.5 ft. above top of casing Casing is 2.5 ft. above land surface ELEV: 99.8 YIELD (gpm): 3.5 METHOD OF TESTING: 9.1000 PUMPING WATER LEVEL: 5.5 ft. after 1/2 hours at 3.5 gpm. CHLORINATION: Type NA Amount WATER QUALITY: CODO TEMPERATURE (°F) 78 PERMANENT PUMP: Date Installed NA Type Capacity (gpm) HP Make Intake Depth Airline Depth	e, o von River	24500 from + RR to E-SE.
GRAVEL: Depth Size Material Prom 3/1 to /8.7ft Silica Son/ 2.11 3.11 Bentmite WATER ZONES (depth): 3.5 19-5) (foc) STATIC WATER LEVEL: 3.5 ft. above top of casing Casing is 2.5 ft. above land surface ELEV: 99.8 YIELD (gpm): 3.1 METHOD OF TESTING: 9.1000 PUMPING WATER LEVEL: 5.5 ft. after 1/2 hours at 3.5 gpm. CHLORINATION: Type NA Amount WATER QUALITY: CODO TEMPERATURE (°F) 78 PERMANENT PUMP: Date Installed NA Type Capacity (gpm) HP Make Intake Depth Airline Depth	e, o von River	24500 from + RR to E-SE
GRAVEL: Depth Size Material From 3/1 to/85/ft Silica Sand 2.11 3.11 Bentonite WATER ZONES (depth): 3.5 ft. above top of casing Casing is 2.5 ft. above land surface ELEV: 99.8 YIELD (gpm): 3.1 METHOD OF TESTING: PUMPED PUMPING WATER LEVEL: 5.5 ft. after 1/2 hours at 3.5 gpm. CHLORINATION: Type MA Amount WATER QUALITY: GCOO TEMPERATURE (°F) 78 PERMANENT PUMP: Date Installed MA Type Capacity (gpm) HP Make Intake Depth HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND IN	New RIVER	ARTMENTS REQUIREMENTS AND

DOE NO: CLET-00075-3.13 -1/21/85-NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

FILE RECORD DIVISION OF ENVIRONME

DIVISION OF ENVIRONMENTAL MANAGEMENT

DRILLING CONTRACTOR STS COLUMN TAWK LAG. REG. NO. [7 WELL CONSTRUCT	ION PERMIT NO.
1. WELL LOCATION: (Show sketch of the location below)		60 A 55 C D 1 5
Nearest Town: MID WAY PLAK	County:	ONSCOM
(Road, Community or Subdivision and Lot No.)	Quadrangle No	camp leseune
2. OWNER: COMMANDENS SEPARAL MARINE COLA BASC	DRI	LLING LOG GU30-1
3. ADDRESS: DEFRE OF ACIS FACILITIES, CAMP COTEUNE N.C.	DEPTH FROM TO	FORMATION DESCRIPTION
4. TOPOGRAPHY: draw, valley, slope, hilltop, flat (circle one)		(45 CS Classifical
5. USE OF WELL: HO Sampling DATE: 7-6-84		
6. DOES THIS WELL REPLACE AN EXISTING WELL? NO	0-21.5	SM
7. TOTAL DEPTH: 20.57 RIG TYPE OR METHOD: H.S.A		
8. FORMATION SAMPLES COLLECTED: YES 🗸 NO	·	
9. CASING: Depth Inside Wall thick. type Dia. or weight/ft.		
From O to 6.11 ft 3" Sch 40 PUC		
0. GROUT: Depth Material Method		**************************************
From O to 4.11 ft conent (a:1) poured	<u> </u>	
	If additional space i	s needed, use back of form
1. SCREEN: Depth Dia. Type & Opening	·	
From 6/1 to 2057ft 2" Sel 40 PVC (Show		N SKETCH s, or other map reference points
		•
		Δ
2. GRAVEL: Depth Size Material	Marines Rd	<i>-</i> //
From 5.11 to 2057 ft Silica Sand	Marines	§
4.11 OI Kentonite		213
3. WATER ZONES (depth): 10.2 20_5) (70c)	48	118
	4	
4. STATIC WATER LEVEL: 10.2 ft. above top of casing	•	· ·
Casing is 2.5 ft. above land surface ELEV:	S	13
5. YIELD (gpm): 5 METHOD OF TESTING: PUMPED	"	Snead
6. PUMPING WATER LEVEL: 10. 9 ft.	7	้ห
after 1.5 hours at 5 gpm.	i	•
7. CHLORINATION: Type //A Amount	1	
8. WATER QUALITY: GOOD TEMPERATURE (OF) 7/	TANK Trail	ER to Sh
9. PERMANENT PUMP: Date Installed NA	المحتشمة م	from + of TT+SFR to Sh
TypeCapacity(gpm) HP	2692	T
Make Intake Depth	GW30-1	•
Airline Depth		
0. HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND RECOMMENDATIONS?	INFORMED OF THE DEPART	MENTS REQUIREMENTS AND
1. REMARKS		
I do hereby certify that this well was constructed in Regulations and Standards and that this well record is	accordance with N.C. W	Well Construction
Asiansly thomberger	1218-84	

DOC NO: CLEJ-00075 1/01/85NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

WELL RECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT P. O. Box 27687 - RALEIGH, N.C. 27611 919-733-2020

DRI	LLING CONTRACTOR STS CONSULTALIS Ltd. REG. NO.	19/ WELL CONSTRUCTION PERMIT NO.
1.	WELL LOCATION: (Show sketch of the location below)	
	Nearest Town: JACK fou ville	County: 6 NS CO CU
	"" STREET CAMP LETEUNE	Quadrangle No. TACKSONVILLE SOUTH
	(Road, Community or Subdivision and Lot No.)	
	OWNER: COMMANDING GENERAL, MARINE CORP BASE	DRILLING LOG GU36-/
	ADDRESS: OFFICE OF ACK FACILITIES, CAMP LE TOWNE A	OFILE FROM TO FORMATION DESCRIPTION
	TOPOGRAPHY: draw, valley, slope, hilltop, tlay circle on	(USCS Classification
	USE OF WELL: HOO Sampling DATE: 7-31-84	
	DOES THIS WELL REPLACE AN EXISTING WELL? NO	0-15/ SM
	TOTAL DEPTH: 21.00 RIG TYPE OR METHOD: H.S.A.	1.5-3.0 SM-SC
8.	FORMATION SAMPLES COLLECTED: YES VNO	3.0-6.0 SM
9.	CASING: Depth Inside Wall thick. type Dia. or weight/ft.	6.0-7.5 SM-SC
	From O to 65 ft 2" Sch 40 PVC	7.5-105 CL
		15.0-21.5 SM
10	GROUT: Depth Material Method	
	From O to 340 ft (omnib:1) poured	
	From O to 3 to 1 to 100	•
	SCREEN: Depth Dia. Type & Opening	If additional space is needed, use back of form
		LOCATION SKETCH
	(Sb	now distance to numbered roads, or other map reference points)
		G-U36-
		Travelle,
12.	GRAVEL: Depth Size Material	Sewade 7000 SE
	From 5.33 to 2100 ft Silica Sand	1 promise 1
`	342 E33 Bentonete	Sewate NOOSE
13.	WATER ZONES (depth) : 5.0 - 21.0 (70c)	Plant
14.	STATIC WATER LEVEL: 1.5 ft. above top of casing	the state of the s
	Casing is 2.5 ft. above land surface ELEV: 99.89	Company of the second
15.	YIELD (gpm): 8.0 METHOD OF TESTING: PUPPED	
	PUMPING WATER LEVEL: S.D ft.	
10.	after 3, hours at 9.5 gpm.	
	CHLORINATION: Type NA Amount	1
19.	PERMANENT PUMP: Date Installed	1c" -
	TypeCapacity(gpm) HP	73
	Make Intake Depth	天 .
	Airline Depth	Ž[
20.	HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AN RECOMMENDATIONS?	ID INNORMED OF THE DEPARTMENTS REQUIREMENTS AND
21.	REMARKS	
	I do hereby certify that this well was constructed i Regulations and Standards and that this well record	n accordance with N.C. Well Construction
	Regulations and Standards and that this well record	1s true and exact.
	SIGNATURE OF CONTRACTOR OF AGEN	

DOC NO: CLEJ - 00075-3./3-1/2/ 185
NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT . WELL RECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT

DR	TELLING CONTRACTOR S.FS COPROCPIACIS, CT& / REG. NO. 171	WELL CONSTRUCTION PERMIT NO.
1.	WELL LOCATION: (Show sketch of the location below)	
	Nearest Town: JACKSON PILLE	County: OUSLOG
	"G" STREET, CAMP LETEUNE	Quadrangle No. SACKSONVILLE SOUTH
	(Road, Community of Subdivision and Lot No.)	
2.	OWNER: COM MANDING GENERAL, MARLING CORP BASE	DRILLING LOG G-U36-1R
3.	ADDRESS: OFFICE OF AC/S PACILITIES CAMP LEGENTE NIC.	DEPTH FROM TO FORMATION DESCRIPTION
4.	TOPOGRAPHY: draw, valley, slope, hilltop, flat (circle one)	FROM TO FORMATION DESCRIPTION (US CS Class.)
5.	USE OF WELL: 160 Sandling DATE: 7-31-84	
6.	DOES THIS WELL REPLACE AN EXISTING WELL? NO	0-1.5 SM
7.	TOTAL DEPTH: 20.88 RIG TYPE OR METHOD: H.S.A.	1.5-3. SM-SC
8.	FORMATION SAMPLES COLLECTED: YES NONO	36. SM
9.	CASING: Depth Inside Wall thick. type Dia. or weight/ft.	67.5 SM-SC
	From O to 6.4 ft d. Sek 40 PVC	7.5-105 CL
		1521.5 SM
10.	GROUT: Depth Material Method	
	Prom d to 2.83 ft coment (6:1) sourced	
.,	SCREEN: Depth Dia. Type & Opening	f additional space is needed, use back of form
***	4	LOCATION SKETCH
	Show d	istance to numbered roads, or other map reference points)
		~1000 been 5TP 21th 0
		G-W36-1R
		set of
12.	GRAVEL: Depth Size Material	s ^{Tr} O
	From 492 to 2058 ft Silves Sand	of feet
*-	283 492 Kentenite	~600 5 F
13.	WATER ZONES (depth): 5.0 20.88 (76C)	
		STP
14.	STATIC WATER LEVEL: 5.0 ft. above top of casing	
	Casing is 4.5 ft. above land surface ELEV: 100.0	
	YIELD (gpm): 7.0 METHOD OF TESTING: PU-PED	
	PUMPING WATER LEVEL: 5-2 ft.)
	after 3 hours at 7.0 gpm.	
17.	CHLORINATION: Type NA Amount	
18.	WATER QUALITY: GOOD TEMPERATURE (°F)67	
19.	PERMANENT PUMP: Date Installed	
	Type Capacity (gpm) HP	T 'G 57
	MakeIntake Depth	1
	Airline Depth	Fourth ST
20.	HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND IN RECOMMENDATIONS?	
21.	REMARKS	
	I do hereby certify that this well was constructed in ac Regulations and Standards and that this well record is t	cordance with N.C. Well Construction crue and exact.
	And a second	12-18-24
	SIGNATURE OF CONTRACTOR OF AGENT	DATE

NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES COMMUNITY DEVELOPMENT

WELL RECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT P. O. Box 27687 — RALEIGH, N.C. 27611 919-733-2020

DRILLING CONTRACTOR STS CONSULTANTS Ltd., REG. NO. 191 WELL CONSTRUCTION PERMIT NO. 1. WELL LOCATION: (Show sketch of the location below) ONSWE JACKKON VILLE Nearest Town: County: STHEET, CAMP LOTEUNE JACKEDIVILLE SOUTH Quadrangle No. (Road, Community or Subdivision and Lot No.) 2. OWNER: COMMANDING GENERAL, MARINE CORP BACE DRILLING LOG GW36-2 3. ADDRESS: OFFICE OF ACK PACILITIES CAMP LEDEVINE, P. C. FORMATION DESCRIPTION 4. TOPOGRAPHY: draw, valley, slope, hilltop, flat circle one) 45CS Classification 5. USE OF WELL: HO Sameling DATE: 6. DOES THIS WELL REPLACE AN EXISTING WELL? 7. TOTAL DEPTH: 19.92 RIG TYPE OR METHOD: 8. FORMATION SAMPLES COLLECTED: YES 🖊 NO 9. CASING: Inside Wall thick. Depth SC -SM Dia. or weight/ft. PUC to 5,44 ft 10. GROUT: Method Depth Material If additional space is needed, use back of form 11. SCREEN: Dia. Depth LOCATION SKETCH 0 '4U36-2 Material 12. GRAVEL: Depth Size From 4.42 to 19.92ft 2.27 4.42 13. WATER ZONES (depth): 4.8-19.92' (TOC) 14. STATIC WATER LEVEL: 4.8 ft. above top of casing Casing is 2.5 ft. above land surface ELEV: 100.03 15. YIELD (gpm): 9.0 METHOD OF TESTING: PUMPED 16. PUMPING WATER LEVEL: hours at 17. CHLORINATION: Type foor temperature (of) "18. WATER QUALITY: 19. PERMANENT PUMP: Date Installed_ _Capacity_ (gpm) HP Type Intake Depth 'G" ST Airline Depth 20. HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND INFORMED OF THE DEPARTMENTS REQUIREMENTS AND RECOMMENDATIONS? 21. REMARKS I do hereby certify that this well was constructed in accordance with N.C. Well Construction Regulations and Standards and that this well record is true and exact. CONTRACTOR OF AGENT

DOC NO: CLET -00075-3.13-1/2/185NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

DIVISION OF ENVIRONMENTAL MANAGEMENT

DRILLING CONTRACTOR STS CONSULTANTS, LTL. REG. NO.	WELL CONSTRUCTION PERMIT NO.
1. WELL LOCATION: (Show sketch of the location below)	
Nearest Town: JACKSONVILLE	County: ONSLOW
"G" STREET CAMP LETEUNE	Quadrangle No. JACKSDUVILLE SOUTH
(Road, Community or Subdivision and Lot No.)	-
2. OWNER: COM MANUNA GETTERAL, MARINE COAD BASE	DRILLING LOG GW36-3
3. ADDRESS: OFFICE OF ACK FACILITIES, CAMPLETEURS N.C	DEPTH FORMATION DESCRIPTION
4. TOPOGRAPHY: draw, valley, slope, hilltop, flat circle one	(45CS Classification
5. USE OF WELL: H.O Someling DATE: 7-3(-84	· <u></u>
6. DOES THIS WELL REPLACE AN EXISTING WELL? NO	0-1.5 ML-CL
7. TOTAL DEPTH: 14.79 RIG TYPE OR METHOD: H.S.A.	1.5-625 CL, SL
8. FORMATION SAMPLES COLLECTED: YES NO	625-165 SM
9. CASING: Depth Inside Wall thick. type Dia. or weight/ft.	20 215 CL-ML
Prom O to 4.31 ft 2" SALYO PVC	
10. GROUT: Depth Materia Method	
sand-	
From () to 1,84 ft (Omen 16:1)	•
11. SCREEN: Depth Dia. Type & Opening	If additional space is needed, use back of form
	LOCATION SKETCH
(Sho	w distance to numbered roads, or other map reference points
	Gu36-3
	D
	J. J
12. GRAVEL: Depth Size Material Prom 29 to 18 76 t	
	5 D
184 2.92 Bentanite	*/ / /
13. WATER ZONES (depth):	2/4
4.9 - 18.79' (TOC)	S/4
14. STATIC WATER LEVEL: 4.9 ft. above top of casing below	
Casing is 2.5 ft. above land surface ELEV: 180.7	STP 10
15. YIELD (gpm): 8 METHOD OF TESTING: PUPPED	
16. PUMPING WATER LEVEL: 4.9 ft.	
after hours at gpm.	100000000000000000000000000000000000000
17. CHLORINATION: Type Amount	
18. WATER QUALITY: FAIR TEMPERATURE (OF) 65	
19. PERMANENT PUMP: Date Installed	
Type Capacity (gpm) HP	
MakeIntake Depth	
Airline Depth	"a' ST
20. HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND RECOMMENDATIONS?	INFORMED OF THE DEPARTMENTS REQUIREMENTS AND
21. REMARKS	
I do hereby certify that this well was constructed in Regulations and Standards and that this well record i	accordance with N.C. Well Construction
PAV -1 m - A-	12-18-24
	NAME:

DOC NO: CLEJ -000 X - 3.13 - 1/21/85

NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

WELL RECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT

P. O. Box 27687 - RALEIGH, N.C. 27611 919-733-2020 DRILLING CONTRACTOR STS CONCULTANTS Ltd. REG. NO. 191 WELL CONSTRUCTION PERMIT NO. 1. WELL LOCATION: (Show sketch of the location below) OHSCOU JACICSON VICLE County: Nearest Town:_ STREET (Road, Community of Subdivision and Lot No.) JACKSON VILLE Quadrangle No. SOUTH DRILLING LOG GW36-4 2. OWNER: COMMANDING GENERAL MARINE CORP BASE 3. ADDRESS: OFFICE OF ACIS FACILITIES CAMP LETERAL N.C. DEPTH FORMATION DESCRIPTION 4. TOPOGRAPHY: draw, valley, slope, hilltop, flat circle one) (45CS Classification DATE: 5. USE OF WELL: # O Sandlang SM 6. DOES THIS WELL REPLACE AN EXISTING WELL? H.S.A SM-SC 7. TOTAL DEPTH: 19.67 RIG TYPE OR METHOD: 6.0-7.5 8. FORMATION SAMPLES COLLECTED: YES 🖊 NO 5M Inside Wall thick. 13~5-14.0 9. CASING: Depth type 54 or weight/ft. Dia. 5M-SC 14. -15. From O to 5.2 SM Material 10. GROUT: Depth to 4.21 ft If additional space is needed, use back of form Type & Opening Depth 11. SCREEN: Sek 40 LOCATION SKETCH From 5.2 to /9.67ft reference points) (Show distance to numbered roads, Ø. Material 12. GRAVEL: Depth Size From 421 to 467ft 321 421 13. WATER ZONES (depth): (Toc) 5.7 - 19.67 14. STATIC WATER LEVEL: 5.7 ft. above top of casing Casing is 25 ft. above land surface ELEV: 105.65 METHOD OF TESTING: PURPED 15. YIELD (gpm): 6.25 ft. 16. PUMPING WATER LEVEL: hours at_ after A/A Amount 17. CHLORINATION: Type ST FAIR TEMPERATURE (OF) 68 18. WATER QUALITY: 19. PERMANENT PUMP: Date Installed (gpm) HP Capacity_ Type _Intake Depth Make Airline Depth 20. HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND INFORMED OF THE DEPARTMENTS REQUIREMENTS AND RECOMMENDATIONS? 21. REMARKS I do hereby certify that this well was constructed in accordance with N.C. Well Construction Regulations and Standards and that this well record is true and exact. While Moule RATURE OF CONTRACTOR OF

DATE

WELL RECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT

DR	CLLING CONTRACTOR 3/3 CONSULTING, LTd. REG. NO. 19	WELL CONS	TRUCTION PERMIT NO.
1.	WELL LOCATION: (Show sketch of the location below)		
	Nearest Town: JACKSDAUILLE	County:	Dusion
	(Road, Community or Subdivision and Lot No.)	Quadrangle #	. JACKSON DILLE SOUTH
	OWNER: COMMANNIA GENERAL MANINE CORP BASE		DRILLING LOG GU41-1
	ADDRESS: OFFICE OF ACS FACILITIES CAMPLETEURE N.C.	DEPTH FROMTO	FORMATION DESCRIPTION
	TOPOGRAPHY: draw, valley, slope, hilltop flat (circle one)		(45CS Classificati
	USE C? WELL: HO SamplingDATE: 8-1-84		
	DOES THIS WELL REPLACE AN EXISTING WELL?	0-10.0	SM
	TOTAL DEPTH: 26.17 RIG TYPE OR METHOD: H.S.A.	10.0-10.5	SM-SC
8.	FORMATION SAMPLES COLLECTED: YES V NO	13.5 45.	<u> </u>
9.	Dig. Of weight/ic.	20, -21,5	5M
	From A = 5.7 ft 8 Sel 40 PVC		
	<u> </u>		
	· · · · · · · · · · · · · · · · · · ·		•
10.	GROUT Depth Material Method		
	From D to 27 ft (oment(2:1) source		
-		f additional en	ace is needed, use back of form
11.	SCREEN: Depth Dia. Type & Opening		de 13 Access, me seem of 1911
	From 2.7 to 20.77ft 3" 34 40 PVC (Show)		CATION SKETCH i roads, or other map reference points)
	.010 Slot	TISCAINCE CO NUMBER EL	roads, or other may reference pornes,
		/	
			/
12.	GRAVEL: Depth Size Material	/	
	From 4.7 to 20.7 ft Silies Soud		/ /
~-	3.7 4.7 Bestonite		
13.	WATER ZONES (depth): 7.0 - 70.17 (TOC)	Box	Hman ST
		$\sim \sim 1$	
14.	STATIC WATER LEVEL: 7.0 ft. above top of casing	5) \	
	Casing is 2.5 ft. above land surface ELEV: 103.55	3) K	ightharpoonup
15.	YIELD (qpm): S METHOD OF TESTING: PUMPED	/ .70	G-441-1
	PUMPING WATER LEVEL: 7.4 ft.	/	~ 1000 from + US17+BS. To
	after US hours at 5 gpm.	<i>[</i>	S-SE.
17	CHLORINATION: Type NA Amount		
	WATER QUALITY: 6000 TEMPERATURE (°F)		
	PERMANENT PUMP: Date Installed		
	TypeCapacity(gpm) HP		
	MakeIntake Depth		
	Airline Depth		
20.	HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND IN	NFORMED OF THE D	EPARTMENTS REQUIREMENTS AND
21.	REMARKS		
	I do hereby certify that this well was constructed in a Regulations and Standards and that this well record is	ccordance with N	.C. Well Construction
	PNCust Mombers	12-18-84	
	SIGNATURE OF CONTRACTOR OF AGENT	DATE	

Doc No : CLET -00075 - - - 1/2/185NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

WELL RECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT P. O. Box 27687 — RALEIGH, N.C. 27611 919-733-2020

DRILLING CONTRACTOR 3/5 CONSUCTANTS CHA REG. NO. 17	WELL CONSTRUCTION PERMIT NO.
1. WELL LOCATION: (Show sketch of the location below)	
Nearest Town: JACICSODUICE	County: ONSCOLI
(Road, Community or Subdivision and Lot No.)	Quadrangle No. SACKIONVILLE SOUTH
2. OWNER: COMMANDING GENERAL, MARINE CORP BASE	DRILLING LOG GW41-1R
3. ADDRESS: OFFICE & F ACLS FACILITIES CHIP LETEUNE P.C.	
4. TOPOGRAPHY: draw, valley, slope, hilltop (flat) (circle one)	(45CS Classification
5. USE OF WELL: HO Sampling DATE: 7-16-84	A . /0 /0 S AA
6. DOES THIS WELL REPLACE AN EXISTING WELL? NO	0-100 SM
7. TOTAL DEPTH: 1804 RIG TYPE OR METHOD: H-S.A.	10-105 SM-SC
8. FORMATION SAMPLES COLLECTED: YES NO	
9. CASING: Depth Inside Wall thick. type Dia. or weight/ft.	2021.5 SM
From O to 356 ft 2" Sch 40 PVC	
71 1	
10. GROUT: Depth Material Method	
From 1 to 1.42 ft coment(2:1) poured	
	If additional space is needed, use back of form
L1. SCREEN: Depth Dia. Type & Opening	
From 3.56 to 1900 t 2" Sch 40 PUC (Show	LOCATION SKETCH distance to numbered roads, or other map reference points)
	3
	Q
12. GRAVEL: Depth Size Material	
From 2.92 to 1604ft Silica Sand	1 }
1.42 3.92 Kentonite	4
13. WATER ZONES (depth): 9.12 - 18.04 (Toc)	
	Bonnyman
14. STATIC WATER LEVEL: 9:12 ft. above top of casing	
Casing is 25 ft. above land surface ELEV: 103,58	3
15. YIELD (gpm): 7.5 METHOD OF TESTING: PUMPED	GW41-1R
16. PUMPING WATER LEVEL: 9.2 ft.	/ ~1000 from + 4517+BS
after hours at 7.5 gpm.	5-5E
17. CHLORINATION: Type NA Amount	
18. WATER QUALITY: GOOD TEMPERATURE (OF) 70	••• and the second of the sec
19. PERMANENT PUMP: Date Installed	
TypeCapacity(gpm) HP	
MakeIntake Depth	
Airline Depth	
20. HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND RECOMMENDATIONS?	INFORMED OF THE DEPARTMENTS REQUIREMENTS AND
21. REMARKS	
I do hereby certify that this well was constructed in Regulations and Standards and that this well record is	accordance with N.C. Well Construction true and exact.
SIGNATURE OF CONTRACTOR OF AGENT	12-18-34 DATE

DOC NO: CLEJ - 000 75 - 3.13 - 1/21/85NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

DIVISION OF ENVIRONMENTAL MANAGEMENT

DRILLING CONTRACTOR STS CONSULTANTS LTD REG. NO. 15	WELL CONSTRUCTION PERMIT NO.
1. WELL LOCATION: (Show sketch of the location below)	
Nearest Town:_ JACKSONVILLE	County: OPICO W
US 17 CAMP CEJEUNE	Quadrangle No. JACKSON VICLE SOCTH
(Road, Community or Subdivision and Lot No.)	
2. OWNER: COMMANDING GENERAL, MARINE CORD BASE	DRILLING LOG GW4/-2
3. ADDRESS: OFFICE OF AC/S FACILITIES,	DEPTH FROM TO FORMATION DESCRIPTION
4. TOPOGRAPHY: draw, valley, slope, hilltop, flat (circle one)	(USCS Classification
5. USE OF WELL: HO Sampling DATE: 7-16-87	
6. DOES THIS WELL REPLACE AN EXISTING WELL?	0-,75° SM
7. TOTAL DEPTH: 19.96 RIG TYPE OR METHOD: H-S.A.	175-1,23 ML
8. FORMATION SAMPLES COLLECTED: YES / NO	1.25-1.95 CL
9. CASING: Depth Inside Wall thick. type	
Dia. or weight/ft.	1,75-5,25 SM
Prom 0 to S. 48ft 2" Sel 40 PUC	4.25-4.5 SC-SM
	4.5-21.5 SM
O. GROUT: Depth Material Method	
From B to 283 ft coment(2:1)	
	. •
I. SCREEN: Depth Dia. Type & Opening	If additional space is needed, use back of form
(Show	LOCATION SKETCH distance to numbered roads, or other map reference points
	/
	<i>y y</i>
	/ 3
2. GRAVEL: Depth Size Material	/ 💥
Prom 4. Deo 1996 ft Silice Sand	/ 💥 💐
283 4.52 Rentonite	
3. WATER ZONES (depth): 6.2(-19.96'(Toc)	A Brad
3. MAILLE BOUND (GOPCH)	Berrymen
6 21 c. above.	Y / 57
4. STATIC WATER LEVEL 621 ft. above top of casing	5/ 10
Casing is 2.5 ft. above land surface ELEV: 95.66	
5. YIELD (GPM): 8 METHOD OF TESTING: PUMPED	f = f
6. PUMPING WATER LEVEL: 6.35 ft.	/ Y .
afterhours atgpm.	1 105 75
7. CHIORINATION: Type NA Amount	~3000 from + 4517 +BS. to-S.
8. WATER QUALITY: POOR TEMPERATURE (OF) 7/	
9. PERMANENT PUMP: Date Installed	1
Type Capacity (gpm) HP	O GW41-2
Make Intake Depth	
Airline Depth	THEODIED OF MEET DEPARTMENTS DEPARTMENTS IN
O. HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND :	INFORMED OF THE DEPARTMENTS REQUIREMENTS AND
I do hereby certify that this well was constructed in	accordance with N.C. Well Construction
I do hereby certify that this Well was constructed in a Regulations and Standards and that this well record is	true and exact.
	<u>ルータマソ</u>
SIGNATURE OF CONTRACTOR OF AGENT	DATE

DOC NO. CLET-00075 - 1/2/185
NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & D.MMUNITY DEVELOPMENT

WELL RECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT

DRILLING CONTRACTOR STS CONSULTANTS CHE REG. NO. 19	/ WELL CONSTRUCTION PERMIT NO.
1. WELL LOCATION: (Show sketch of the location below)	
Nearest Town: JACKSQUILLE	County: ONS COW
(Road, Community or Subdivision and Lot No.)	Quadrangle No. TACKSONUKLE SOUTH
	DETIL DIG TOG A
2. OWNER: COMMANDING GENERAL MARINE BASE	DRILLING LOG G-W4/- 3
3. ADDRESS: OFFICE OF ACIS FACILITIES, CAMP CETEUNE N.C.	FOM TO FORMATION DESCRIPTION
4. TOPOGRAPHY: draw, valley, slope, hilltop, flat (circle one)	(45CS Clasification
5. USE OF WELL: H.O Sampling DATE: 7-16-84	4 84
6. DOES THIS WELL REPLACE AN EXISTING WELL?	0-90: SM
7. TOTAL DEPTH: 19.31 RIG TYPE OR METHOD: H.S.A.	8.0-9.25 SC-SM
8. FORMATION SAMPLES COLLECTED: YES V NO	925405 ML
9. CASING: Depth Inside Wall thick. type Dia. or weight/ft.	15-16.5 SM
From O to 483 ft 2." Sch 40 PVC	20-21.5 SM
7. 3	
10. GROUT: Depth Material Method	
From 0 to 267 ft commit(2:1) soured	14.
11. SCREEN: Depth Dia. Type & Opening	If additional space is needed, use back of form
From 4.83 to 19.31 ft 2" Sch 40 PVC	LOCATION SKETCH
.010 slot	distance to numbered roads, or other map reference points)
	/ _{1,2}
	/ y
12. GRAVEL: Depth Size Material	/ Was
From 383 to /93 ft Silica Sand	J. J. A. J.
267 383 Rentonite	5
13. WATER ZONES (depth): 12.7	5//
17 7 above	/s°
14. STATIC WATER LEVEL: 12.7 ft. above top of casing	
Casing is 2.5 ft. above land surface ELEV: 100.0	
15. YIELD (gpm): 8 METHOD OF TESTING: PO PAPED	/ 13000 17mg + 4517+BS. to S
16. PUMPING WATER LEVEL: 12.8 ft.	~3000 from + 4517+BS. to 5
after hours at 8 gpm.	°),
17. CHLORINATION: Type Amount	G-W41-3
18. WATER QUALITY: GOOD TEMPERATURE (°F) 72	was a second
19. PERMANENT PUMP: Date Installed WA	
Type Capacity (gpm) HP	•
MakeIntake Depth	
Airline Depth	
20. HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND I	INFORMED OF THE DEPARTMENTS REQUIREMENTS AND
21. REMARKS	·
I do hereby certify that this well was constructed in a Regulations and Standards and that this well record is	accordance with N.C. Well Construction
regulations and Standards and that this well record is	1)_10_9u
SIGNATURE OF CONTRACTOR OF AGENT	DATE

NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT DC NO: CLET DIVISION OF ENVIRONMENTAL MANAGEMENT WELL RECORD P. O. Box 27687 - RALEIGH, N.C. 27611 919-733-2020 00075 - 3.13 - 1/21/85 WELL CONSTRUCTION PERMIT NO. DRILLING CONTRACTOR STS CONSULTANTS LTL REG. NO. 1. WELL LOCATION: (Show sketch of the location below) DNSCOW JACKSDNULLIE Nearest Town: County: JAKKSONVIUE SOUTH CAMP LEJEUNE USL7Quadrangle No. (Road, Community or Subdivision and Lot No.) 2. OWNER: COMMANDING GENERAL, MARINE CORP BASE DRILLING LOG &W41-4 3. ADDRESS: OFFICE OF ACK FACILITIES, CAMP LETERNE, NC. FORMATION DESCRIPTION FROM TOPOGRAPHY: draw, valley, slope, hilltop, flat circle one) US CS Classification H.O Sampling DATE: USE OF WELL: _ 6. DOES THIS WELL REPLACE AN EXISTING WELL? H.S.A TOTAL DEPTH: 19.67 RIG TYPE OR METHOD: 8. FORMATION SAMPLES COLLECTED: YES NO 7.5-10.5 Wall thick. 9. CASING: Depth Inside type or weight/ft. SC-5M From D to 5/9 ft PUC Method 10. GROUT: Depth Material If additional space is needed, use back of form Type & Opening 11. SCREEN: Dia. LOCATION SKETCH or other map reference points) numbered roads Size Material 12. GRAVEL: Depth From 3 75 to 19.67Et 2.67 3.75 7.09 13. WATER ZONES (depth): 14. STATIC WATER LEVEL: 7.09 ft. above top of casing Na500 from + USI7 Casing is 2.5 ft. above land surface ELEV: 92.82 15. YIELD(gpm):__ 4 METHOD OF TESTING: PUMPED 8-60 16. PUMPING WATER LEVEL: after 1.75 hours at GW41-4 17. CHLORINATION: Type Amount FAIR TEMPERATURE (OF) 18. WATER QUALITY: 19. PERMANENT PUMP: Date Installed (gpm) HP Capacity_ Type Make Intake Depth Airline Depth 20. HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND INFORMED OF THE DEPARTMENTS REQUIREMENTS AND RECOMMENDATIONS? 21. REMARKS

I do hereby certify that this well was constructed in accordance with N.C. Well Construction Regulations and Standards and that this well record is true and exact.

R) Kush mount

SECRATURE OF CONTRACTOR OF AGENT

12-18-14

DATE

NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

DOC NO: CLET
RECORD DIVISION OF ENVIRONMENTAL MANAGEMENT 00075 -3. 13 - 1/21/85

P. O. Box 27687 — RALEIGH. N.C. 27611 919-733-2020 WELL RECORD

DRILLING CONTRACTOR STS CONSULTANTS, Ltd REG. NO. 19	
1. WELL LOCATION: (Show sketch of the location below)	
Nearest Town: TACKSONVILLE	County: Opswi
CAMPBELL ST. CAMP LEJEUNE	Quadrangle No. JACKSONVILLE SOUTH
(Road, Community or Subdivision and Lot No.)	
2. OWNER: COMMANDING GENERAL, MANINE CONPERS	
3. ADDRESS: OFFICE OF ACIS FALICITIES, CAMP LETEUNE M.	
4. TOPOGRAPHY: draw, valley, slope, hilltop, flat circle one)	(45CS Clossification
5. USE OF WELL: H.O Sampling DATE: 8-1-84	
6. DOES THIS WELL REPLACE AN EXISTING WELL?	0-1.5 / SM
7. TOTAL DEPTH: 19.47 RIG TYPE OR METHOD: H.S.A.	1.5-30 SM-SC
8. FORMATION SAMPLES COLLECTED: YES V NO	3.0-16.5 ML
9. CASING: Depth Inside Wall thick. type Dia. or weight/ft.	20-21,5 5M
From O to Sol ft 2" Sch 40 Puc	
O. GROUT: Depth Material Method	· · · · · · · · · · · · · · · · · · ·
From D to 30/ ft Coment(2:1)pourced	
	If additional space is needed, use back of form
1. SCREEN: Depth Dia. Type & Opening	
From 501 to 19.47ft 2" Sch 40 PUC (Show	LOCATION SKETCH distance to numbered roads, or other map reference points
	JP, F.F
2. GRAVEL: Depth Size Material	
From 3.5 co 19.47 Et Slies Sand	GW45-1
2.5 3.5 Bentonite	AMPBell ST
3. WATER ZONES (depth): 3 - 19.47 (700)	250 from + 1
	cs +ws to w
14. STATIC WATER LEVEL: 3.0 ft. above top of casing	<i>1</i>
Casing is 2.5 ft. above land surface ELEV: 98.99	5
15. YIELD (gpm): 4 METHOD OF TESTING: PURPLED	
L6. PUMPING WATER LEVEL: 4.0 ft.	7 A
after / hours at 4 gpm.	<u>z</u>
42.001	4
17. CHLORINATION: Type NA Amount Laborature (OF) 68	200
	7
19. PERMANENT PUMP: Date Installed NA	1
TypeCapacity(gpm) HP	
MakeIntake Depth	
Airline Depth	
20. HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND RECOMMENDATIONS?	INFORMED OF THE DEPARTMENTS REQUIREMENTS AND
21. REMARKS	
I do hereby certify that this well was constructed in Regulations and Standards and that this well record is	s true and exact.
Maisle mouberer	1218 84
SIGNATURE OF CONTRACTOR OF AGENT	DATE

NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT DE NO: CLES-00015-3.13-1/21/85 DIVISION OF ENVIRONMENTAL MANAGEMENT WELL RECORD P. O. Box 27687 - RALEIGH, N.C. 27611 919-733-2020 191 DRILLING CONTRACTOR STS CONSCITANTS LTd . REG. NO. WELL CONSTRUCTION PERMIT NO. 1. WELL LOCATION: (Show sketch of the location below) 0 ms (20 ms JACKSON VILLE Nearest Town:_ County: SACKSOMVILLE SOUTH CAMPBELL ST. CAMP LESEUNE Quadrangle No-(Road, Community or Subdivision and Lot No.) 2. OWNER: COMMANDING GENERAL, MARINE CORP BASE DRILLING LOG &W45-2 CAMP CEVEUNENC DEPTH 3. ADDRESS: OFFICE OF AC/S FACICITIES FORMATION DESCRIPTION 4. TOPOGRAPHY: draw, valley, slope, hilltop (flat)(circle one) (USCS Classification 5. USE OF WELL: 0-40 SM 6. DOES THIS WELL REPLACE AN EXISTING WELL? 10 H.S.A. ML 7. TOTAL DEPTH: 18.47 RIG TYPE OR METHOD: 4.0~ 10.5 5M-50 8. FORMATION SAMPLES COLLECTED: YES NO 9. CASING: Depth Inside Wall thick. or weight/ft. Method 10. GROUT: Depth Materi ٠, If additional space is needed, use back of form Type & Opening 11. SCREEN: Dia. LOCATION SKETCH Show distance to numbered roads, or other map reference points) GW45-2 500 from + CS+WS to N-N Size Material 12. GRAVEL: Depth From 301 to /4.47ft 2.00 3.01 13. WATER ZONES (depth): CAMPBEIL ST 14. STATIC WATER LEVEL: 3.4 ft. above top of casing Casing is 2.5 ft. above land surface ELEV: 100.61 METHOD OF TESTING: PUMPED 15. YIELD (gpm): 4.5 16. PUMPING WATER LEVEL: hours at 17. CHLORINATION: Type POOR TEMPERATURE (OF) 18. WATER QUALITY: 19. PERMANENT PUMP: Date Installed Capacity_ (gpm) HP Type Intake Depth Make Airline Depth 20. HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND INFORMED OF THE DEPARTMENTS REQUIREMENTS AND RECOMMENDATIONS? 21. REMARKS I do hereby certify that this well was constructed in accordance with N.C. Well Construction Regulations and Standards and that this well record is true and exact. SIGNATURE OF CONTRACTOR OF AGENT 12-18-84

DOC NO: CLEJ-00075 -3.13 - 1/01/85
NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

DIVISION OF ENVIRONMENTAL MANAGEMENT P. O. Box 27687 - RALEIGH, N.C. 27611 919-733-2020

DRILLING CONTRACTOR STS COUSULTANTS CHE REG. NO.	/9/ WELL CONSTRUCTION PERMIT NO.
1. WELL LOCATION: (Show sketch of the location below)	
Nearest Town: TACKSON VICLE	County:ONSCOW
(Road, Community or Subdivision and Lot No.)	Quadrangle No. TALKSONULLE SONTH
2. OWNER: COMMANOING GENERAL MANINE COMP	BASE DRILLING LOG GW45-3
3. ADDRESS: OFFICE OF AC/S FACILITIES, CAMPLETEUNE	
4. TOPOGRAPHY: draw, valley, slope, hilltop, flat (circle one	FROM TO FORMATION DESCRIPTION (4SCS Classification)
5. USE OF WELL: H.O Sampling DATE: 8-1-84	
6. DOES THIS WELL REPLACE AN EXISTING WELL? NO	0-3.25 CL
7. TOTAL DEPTH: 19.04 RIG TYPE OR METHOD: H. S. A.	325-45 SM
8. FORMATION SAMPLES COLLECTED: YES VNO	4.5-7.5 CL
9. CASING: Depth Inside Wall thick. type Dia. or Weight/ft.	7.5-9.5 CH
From 0 to 4.56 ft 2" Sch 40 PVC	9.5-21.5 SM
10. GROUT: Depth Material Method	
From O to 2.12 ft coment(2:1) poured	
	`
11. SCREEN: Depth Dia. Type & Opening	If additional space is needed, use back of form
From 4. Sto 19.04ft 2" Sel 40 PUC -	LOCATION SKETCH
	w distance to numbered roads, or other map reference points)
12. GRAVEL: Depth Size Material	
From 3.5 to 1904 ft Silva Sand	300/2000
2.42 3.5 Rentenite	waso from we to E
13. WATER ZONES (depth): 5.6-19.04 (70C)	0
	CAMPBELLST
14. STATIC WATER LEVEL: 5.6 ft. above top of casing	N "
Casing is 2.5 ft. above land surface ELEV: 100.0	7
15. YIELD (gpm): 4.5 METHOD OF TESTING: PUMPED	y.
16. PUMPING WATER LEVEL: 6.3 ft.	5
after / hours at 4.5 gpm.	2
17. CHIORINATION: Type NA Amount	3
18. WATER QUALITY: 600 D TEMPERATURE (OF) 77	$\mathcal{S}_{\mathcal{S}}}}}}}}}}$
19. PERMANENT PUMP: Date Installed NA	
TypeCapacity(gpm) HP	
Make Intake Depth	
Airline Depth	
20. HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND	INFORMED OF THE DEPARTMENTS REQUIREMENTS AND
RECOMMENDATIONS?	
21. REMARKS I do hereby certify that this well was constructed in	accordance with N.C. Well Construction
Regulations and Standards and that this well record i	s true and exact.
Mylling mountage	1218 14
SIGNATURE OF CONTRACTOR OF AGENT	DATE

DOC NO: CLEJ-00075-3.13-1/41/85

NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT
WELL RECORD DIVISION OF ENVIRONMENTAL MANAGEMENT

DRILLING CONTRACTOR STS CONSUCTION, CHE REG. NO.	19/ WELL CONSTRUCTION PERMIT NO.
1. WELL LOCATION: (Show sketch of the location below)	
Nearest Town: JACKSONULUE	County: ONSCOW
(Road, Community or Subdivision and Lot No.)	Quadrangle No. JACKSONVILLE SWITH
2. OWNER: COMMANDIAL GENERAL, MANUE CORP &	
3. ADDRESS: OFFICE OF ACLS FACILITIES, CAUTE LETEVA	FROM TO FORMATION DESCRIPTION
4. TOPOGRAPHY: draw, valley, lope hilltop, flat (circle of the circle of	(45CS Classification
5. USE OF WELL: Had Sampling DATE: 7-16-87 6. DOES THIS WELL REPLACE AN EXISTING WELL? NO	0-90 SM
7. TOTAL DEPTH: 19.37 RIG TYPE OR METHOD: H.S.A.	
8. FORMATION SAMPLES COLLECTED: YES \(\sigma \) NO	10.0 -20.0 SM
9. CASING: Depth Inside Wall thick. type Dia. or weight/ft.	
From 7 to 4.91 ft 2." Sch 40 PUC	
27 TOM 10 EU 1-11 12 27 12 12 12 12 12 12 12 12 12 12 12 12 12	
10. GROUT: Depth Material Method	
From O to 291 ft coment (6:1)	
	. •
11. SCREEN: Depth Dia. Type & Opening	- If additional space is needed, use back of form
From 4.91 to 1937st 2" Sel 40 Puc	LOCATION SKETCH
,010 slot	(Show distance to numbered roads, or other map reference points)
12. GRAVEL: Depth Size Material	
From 3.11 to 19.37ft Silica Sand	Runway #5
2.91 3.91 Restorite	1/6.
13. WATER ZONES (depth): 9.0 - 19.37'(ToL)	Sund Sund
	4 8 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
14. STATIC WATER LEVEL: 9.0 ft. above top of casing	0 ° §
Casing is 25 ft. above land surface ELEV:	
15. YIELD (gpm): 5 METHOD OF TESTING: PUMPED	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
16. PUMPING WATER LEVEL: /0.0 ft.	
after / hours at	NITSO from + CS+ Vision PR to SE
17. CHLORINATION: Type NA Amount	, , , , , , , , , , , , , , , , , , ,
18. WATER QUALITY: GOOD TEMPERATURE (OF) 72	The second secon
19. PERMANENT PUMP: Date Installed NA	
Type Capacity (gpm) HP	CANAL ST.
Make Intake Depth	CAN
Airline Depth	
20. HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD A RECOMMENDATIONS?	AND INFORMED OF THE DEPARTMENTS REQUIREMENTS AND
21. REMARKS	
I do hereby certify that this well was constructed Regulations and Standards and that this well record	in accordance with N.C. Well Construction d is true and exact.
Mkil vontes	1218-84
SIGNATURE OF CONTRACTOR OF AG	ENT DATE

DOC NO: NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT DIVISION OF ENVIRONMENTAL MANAGEMENT WELL RECORD 3.13 - 1/2/85 P. O. Box 27687 - RALEIGH, N.C. 27611 919-733-2020 DRILLING CONTRACTOR STS CONSUCTANTS Ltd REG. NO. 19/ WELL CONSTRUCTION PERMIT NO 1. WELL LOCATION: (Show sketch of the location below) ONSCOW ENEROS FERRY County: Nearest Town:_ SNEADS FERRY CAMP LETEUNE RENGE NO. Quadrangle No. (Road, Community or Subdivision and Lot No.) DRILLING LOG GW68-/ 2. OWNER: COMMANDING GENERAL MAKING CONP BASE 3. ADDRESS: OFFICE OF ACIS FACILITIES, CAMPLETEUNE N.C. DEPTH FORMATION DESCRIPTION FROM 4. TOPOGRAPHY: draw, valley, slope, hilltop, flat circle one) (USCS Classificate -2-84 H. O Sandlus DATE: 5. USE OF WELL: _ 6. DOES THIS WELL REPLACE AN EXISTING WELL? <u>0-3.0</u> SM-50 H.S.A 7. TOTAL DEPTH: 20.36 RIG TYPE OR METHOD: 8. FORMATION SAMPLES COLLECTED: YES NO 9. CASING: Depth Inside Wall thick. or weight/ft. to 5.88 ft Method 10. GROUT: Material If additional space is needed, use back of form Type & Opening 11. SCREEN: Dia. LOCATION SKETCH numbered roads, or other map reference points) Material Depth Size 12. GRAVEL: From 4.29 to 2036 ft 2.63 4.29 CHIBA 13. WATER ZONES (depth): 14. STATIC WATER LEVEL: 2.9 ft. above top of casing Casing is 2.5 ft. above land surface ELEV: 17.37 7.5 METHOD OF TESTING: PUMPED

16. PUMPING WATER LEVEL:

hours at

Amount 17. CHLORINATION: Type

TEMPERATURE (OF) 18. WATER QUALITY: COUD

19. PERMANENT PUMP: Date Installed

(gpm) HP Capacity_ Type Intake Depth Make

Airline Depth

20. HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND INFORMED OF THE DEPARTMENTS REQUIREMENTS AND 200 RECOMMENDATIONS?

21. REMARKS I do hereby certify that this well was constructed in accordance with N.C. Well Construction Regulations and Standards and that this well record is true and exact.

DN/wash Wrombia 12-12-87 GNATURE OF CONTRACTOR OF AGENT

5000 from

rr trive

sneads Ferry Rd

NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

WELL RECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT

P. O. Box 27687 — RALEIGH, N.C. 27611 919-733-2020

LLING CONTRACTOR STE COLOUTHUS, LH REG. NO. 19/ WELL CONSTRUCTION PERMIT NO.

WELL LOCATION: (Show sketch of the location below)

PRILLING CONTRACTOR STE COLGULTANTS, LAJ REG. NO. 19		FRUCTION PERMIT NO.
. WELL LOCATION: (Show sketch of the location below)		
Nearest Town: SNETHDS FENNY	County:	೦೪೭ಬಟ
MANGE RO, CAMPLETEUNE	Quadrangle No	SHETHOS FERRY
(Road, Community of Subdivision and Lot No.)		
OWNER: COM MANDING GENERAL, MARINE COMP BAS		DRILLING LOG GW68-12
. ADDRESS: OFFICE OF ACIS FACILITIES, CAMP LEJEUNE, D.C.	PROM TO	PORMATION DESCRIPTION
. TOPOGRAPHY: draw, valley, slope, hilltop, flat (circle one)		(USCS Class.)
. USE OF WELL: HO SamplingDATE: 7-17-84		
. DOES THIS WELL REPLACE AN EXISTING WELL? WO	<u> </u>	· SM
. TOTAL DEPTH: 20.41 RIG TYPE OR METHOD: H.S.4.	<u> </u>	SM-SC
. FORMATION SAMPLES COLLECTED: YES NO	<u> </u>	دد
. CASING: Depth Inside Wall thick. type Dia. or weight/ft.	7.5~45	CL
From 1 to 5.94 ft 2" Sch 40 PVC		
1		:
		·
	-	
. GROUT: Depth Material Method		
From 1 to 383 ft comest (2:1) pouned	<u> </u>	<u> </u>
	If additional spa	ce is needed, use back of form
. SCREEN: Depth Dia. Type & Opening		
From 594 to 2042ft 3" Sel 40 PUC		ATION SKETCH
,010 Slot	distance to numbered	roads, or other map reference points)
		_
. GRAVEL: Depth Size Material		
Prom 4.63 to 28.02 ft Silice Sand		
200 463 bentonite		
. WATER ZONES (depth): 8.67 - 20.42 (70c)	~ ~ _	· +
	,	GW68-IR
. STATIC WATER LEVEL: 6.67 ft. above top of casing		९
Casing is 2.5 ft. above land surface ELEV: 97.83	1	_
YIELD (gpm): 7.5 METHOD OF TESTING: PUMPED	•	/ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
		moltron + SFR +
. PUMPING WATER LEVEL: 8.9 ft.	~ ~51	to NE
after 3 hours at 7.5 gpm.	RR	TONE \
. CHLORINATION: Type <u>NA</u> Amount		
. WATER QUALITY: GOOD TEMPERATURE (°F) 78	And a second	
. PERMANENT PUMP: Date Installed		
TypeCapacity(gpm) HP		
MakeIntake Depth		V
Airline Depth	SNEADS	Ferry Rd
. HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND I	INFORMED OF THE DI	PARTMENTS REQUIREMENTS AND
. REMARKS		
I do hereby certify that this well was constructed in a Regulations and Standards and that this well record is	ccordance with N	.C. Well Construction

DOC NO: CLEJ -00075- -3.13 - 1/21/85
NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

WELL RECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT

DRILLING CONTRACTOR STS CONSULTAND LH. REG. NO. 19	WELL CONSTRUCTION PERMIT NO.
1. WELL LOCATION: (Show sketch of the location below)	
Nearest Town: SUETADS FENNY	County: ON Scow
(Road Community of Subdivision and Lot No.)	Quadrangle No: SNETADS FETTING
2. OWNER: COMMUNING GENERAL MARINE COMP BA	4.
3. ADDRESS: OFFICE OF AC/S PACILITIES, CAMP LETEURE M.	FROM TO FORMATION DESCRIPTION
4. TOPOGRAPHY: draw, valley, Slope, hilltop, flat(circle one)	(USCS Classification)
5. USE OF WELL: H.O Soupling DATE: 8-2-84	
6. DOES THIS WELL REPLACE AN EXISTING WELL?	0-35 SM
7. TOTAL DEPTH: 21.07 RIG TYPE OR METHOD: H-S.A.	35-10.3 SM-SC
8. FORMATION SAMPLES COLLECTED: YES V NO	1516.5 SM-SC
9. CASING: Depth Inside Wall thick. type Dia. or weight/fr.	20:4,5 SM
From O to 661 ft 21" Sch 40 PUC	
10. GROUT: Depth Material Method	
From 10 to 4. (e) ft comort(2:1) asured	
	•
11. SCREEN: Depth Dia. Type & Opening	If additional space is needed, use back of form
11. SCREEN: Depth Dia. Type & Opening From 6-6/ to 2107ft 2" Sch40 PVC	LOCATION SKETCH
Show	distance to numbered roads, or other map reference points)
12. GRAVEL: Depth Size Material	
From J. G. to 21.07 ft Silice Soul	
461 IW Rentonite	d -?-
13. WATER ZONES (depth): 15.9 21.07'(TDC)	G-168-2
13. WATER ZURES (deput):	
14. STATIC WATER LEVEL: 15.9 ft. above top of casing	
Casing is 2.5 ft. above land surface ELEV: 69.37	
15. YIELD (gpm): Z METHOD OF TESTING: Runper)	SFR+ RR To N TO
	SFR+ RR TON US
16. PUMPING WATER LEVEL: 20 ft.	
after 2 hours at 2 gpm.	
18. WATER QUALITY: 6500 TEMPERATURE (°F) 65	
19. PERMANENT PUMP: Date Installed	
Type Capacity (gpm) HP	
MakeIntake Depth	SNEADS Ferry Rd
Airline Depth	,
20. HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND RECOMMENDATIONS?	INFORMED OF THE DEPARTMENTS REQUIREMENTS AND
21. REMARKS I do hereby certify that this well was constructed in	accordance with N.C. Well Construction
Regulations and Standards and that this well record is	true and exact.
My fund wondere SIGNATURE OF CONTRACTOR OF AGENT	<u>た-18 プタ</u>

Doc No: CLEJ -000 75 - 3.13 - 1/21/85
NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT WELL RECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT

DRILLING CONTRACTOR STS CONSULTANTS CHI, REG. NO. 19	WELL CONSTRUCTION PERMIT NO.
1. WELL LOCATION: (Show sketch of the location below)	
Nearest Town: SNEADS FORMY	County: Ouscow
(Road, Community or Subdivision and Lot No.)	Quadrangle No. SUELOS FERRY
2. OWNER: COMMANDING GENERAL, MANUE CONP &	ACE DRILLING LOG GU68-2R
3. ADDRESS: OFFICE OF ACIS FACILITIES, CAMP LETEUN	ENC. DEPTH
4. TOPOGRAPHY: draw, valley, slope, hilltop, flat (circle one	FROM TO FORMATION DESCRIPTION (45 CS Clean.)
5. USE OF WELL: H.O Sampley DATE: 7-17-84	
6. DOES THIS WELL REPLACE AN EXISTING WELL?	0-3.5 SM
7. TOTAL DEPTH: 20.94 RIG TYPE OR METHOD: H.S.A.	35-105 SM-SC
8. FORMATION SAMPLES COLLECTED: YES V NO	1516.5 SM-SC
 CASING: Depth Inside Wall thick. type Dia. cr weight/ft. 	20215 SM
From 0 to 646 ft 2" 51 40 PVC	
· · · · · · · · · · · · · · · · · · ·	
10. GROUT: Depth Materia Method	
From to 383 ft conex(2:1) poured	
	If additional space is needed, use back of form
11. SCREEN: Depth Dia. Type & Opening	
From 646 to 20,99 ft 2" Sel 40 PUC (She	LOCATION SKETCH ow distance to numbered roads, or other map reference points)
12. GRAVEL: Depth Size Material	ر معلام
Prom 544 to 20.90ft Silica Sand	O CHIEBER
3.83 5.44 Bendenite	/ 60
13. WATER ZONES (depth): 20.37 - 20.8 4 (toc)	· ·
14. STATIC WATER LEVEL 20.37 ft. above top of casing	NS775 From T So
Casing is 25 ft. above land surface ELEV: 69.32	SFRARRA
15. YIELD (gpm): CLS METHOD OF TESTING: BALLETO	
16. PUMPING WATER LEVEL: 20.75 ft.	
after Z hours at O . 3 gpm.	
17. CHLORINATION: Type NA Amount	
18. WATER QUALITY: GOOD TEMPERATURE (°F) 65	
19. PERMANENT PUMP: Date Installed	
TypeCapacity(gpm) HP	
MakeIntake Depth	SNEADS FETTY Rd
Airline Depth	
20. HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND RECOMMENDATIONS?	INFORMED OF THE DEPARTMENTS REQUIREMENTS AND
21. REMARKS	
I do hereby certify that this well was constructed in Regulations and Standards and that this well record i	accordance with N.C. Well Construction struct and exact.
Rykinda-Monbeyer	12-13-34
SIGNATURE OF CONTRACTOR OF AGENT	DATE

Doc No: CLEJ-000 75 -3.13 -/121/85
NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT DIVISION OF ENVIRONMENTAL MANAGEMENT

DRILLING CONTRACTOR STS CONSULTINES, Ltd REG. NO. 19	WELL CONSTRUCTION PERMIT NO.
1. WELL LOCATION: (Show sketch of the location below)	
Nearest Town: Sweaps Fehry	County: ONSCOW
(Road, Community or Subdivision and Lot No.)	Quadrangle No. SNEAOS FERRY
2. OWNER: COMMANDING CENERAL, MANINE COMP BASE	-
3. ADDRESS: OFFICE OF ACIS FACILITIES, CAMPLEDEVILE P.	C. DEPTH FROM TO FORMATION DESCRIPTION
4. TOPOGRAPHY: draw, valley, slope, tilltop, flat (circle one)	(USCS Classification
5. USE OF WELL: HC Sampling DATE: 8-2-84	
6. DOES THIS WELL REPLACE AN EXISTING WELL? NO	0-45 SM
7. TOTAL DEPTH: 19.77 RIG TYPE OR METHOD: H.S.A.	4,5-6.0 SC-SM
8. FORMATION SAMPLES COLLECTED: YES V NO	60-165 SM
9. CASING: Depth Inside Wall thick. type Dia. or weight/ft.	4021.5 CL
From O to 5.29 ft 3" Sch 40 PVC	
**:	
10. GROUT: Depth Waterial Method	
From O to 2.79 ft coment (2:1)	
11. SCREEN: Depth Dia. Type & Opening	If additional space is needed, use back of form
From 5.29 to 19.77ft 2" Sch 40 PVC -	LOCATION SKETCH
(Show	distance to numbered roads, or other map reference points)
12. GRAVEL: Depth Size Material	
From 4.10 to 19.77 ft Silica Sand	
2.79 4.10 Restonite	
13. WATER ZONES (depth): 19.15 - 19.7 7(70c)	00
Rica above	;
14. STATIC WATER LEVEL: 19.15 ft. above top of casing	D.
Casing is 2.5 ft. above land surface ELEV: 7638	62
15. YIELD (gpm): O. S METHOD OF TESTING: BALLET	· · · · · · · · · · · · · · · · · · ·
16. PUMPING WATER LEVEL: 19.25 ft.	ED+RR. 8
after 2 hours at 0-5 gpm.	~ N5000 from + STR
17. CHLORINATION: Type NA Amount	N 5000 from + SFR+RR. B
18. WATER QUALITY: GOOD TEMPERATURE (OF) 70	
19. PERMANENT PUMP: Date Installed	
Type Capacity (gpm) HP	
MakeIntake Depth	SNEADS FETTY Rd
Airline Depth	
20. HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND I RECOMMENDATIONS?	NFORMED OF THE DEPARTMENTS REQUIREMENTS AND
21. REMARKS	
I do hereby certify that this well was constructed in a Regulations and Standards and that this well record is	true and exact. /2-/3-84
SIGNATURE OF CONTRACTOR OF AGENT	DATE

DOC NO: CLET -00075 -3.13 -//21/85 NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

DIVISION OF ENVIRONMENTAL MANAGEMENT

WELL LOCATION: (Show sketch of the location below) Nearest Town: SWEA-DS FETTING		
Nearest Town: SNEADS FETTILE		On2100
	County:	
(Road, Community or Subdivision and Lot No.)	Quadrangle No	SUZAOS FUTTY
OWNER: COMMANDING GENERAL, MININE COMP BASE	<u>a</u>	RILLING LOG GW 68-3
ADDRESS: OFFICE OF ACIS FACILITIES, CAMPLEJEUNE N.	C. DEPTH 6 FROM TO	FORMATION DESCRIP
TOPOGRAPHY: draw, valley, slope, halltop flat (circle one)	e ron 10	(USCS Classificat
DOES THIS WELL REPLACE AN EXISTING WELL? NO	0-4.5	SM
TOTAL DEPTH: /EX/ RIG TYPE OR METHOD: H.S.A.	4.5-6.0	SC-SM
	6.0-16.5	S /M
FORMATION SAMPLES COLLECTED: YES NO CASING: Depth Inside Wall thick. type	20 21.5	CL
Dia. or weight/it.		
From O to 372 ft 2" Sel 40 PVC		
GROUT: Same Material Method		
From O to 158 ft coment(2:1) poured		·
		the state of the
SCREEN: Depth Dia. Type & Opening	ir additional space	e is needed, use back of fo
From 373 to 1921 ft a" Sch 40 PVC	LOCAT	TION SKETCH
Show (Show		oads, or other map reference po
.010 100		
GRAVEL: Depth Size Material .		
From 2.71 to 15.21 ft Silica Sand		
158 271 Bentonite		~ ~ ``\
WATER ZONES (depth) : 17.14 - 20.14 (Toc)	2~ ~ ~	· · · · · · · · · · · · · · · · · · ·
WATER ZORES (deptin)	, o	, 00
ahove	· · · · · · · · · · · · · · · · · · ·	· · · · ·
. STATIC WATER LEVEL: 19.14 ft. above top of casing below	-0	Ş
Casing is 25 ft. above land surface ELEV: 77.45	ek :	i di
YIELD (gpm): METHOD OF TESTING: BALLER	3 ^	
. PUMPING WATER LEVEL: / ft. Column		+SFR+RR
after Z hours atgpm.		5025 from +3.
. CHLORINATION: Type NA Amount		5025 from +SFR+RR
. WATER QUALITY: AOU TEMPERATURE (°F) 70	 	
PERMANENT PUMP: Date Installed		
Type Capacity (gpm) HP		•
MakeIntake Depth	SNE	APS Ferry Rd
Airline Depth	346	
	INFORMED OF THE DEP.	ARTMENTS REQUIREMENTS AND
. HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND RECOMMENDATIONS?		

DOC NO: CLET - 00075 - 3.13 - 1/21/85NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT WELL RECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT

DRILLING CONTRACTOR >/3 CODJUCTAVIS CF2 REG. NO. [7	WELL CONSTRUCTION PERMIT NO.
1. WELL LOCATION: (Show sketch of the location below)	
Nearest Town: SUPADS FERRY	County: ONS LOW
(Road, Community or Subdivision and Lot No.)	Quadrangle #e. Sheros Fenn?
2. OWNER: COM WANDING GENERAL MANINE COM BADE	DRILLING LOG GW69-1
3. ADDRESS: OFFICE OF ACIS FACILITIES, CAMP LETEURE N.C.	DEPTH FROM TO FORMATION DESCRIPTION
4. TOPOGRAPHY: draw, valley, slope, hillton, flat (circle one)	(45ES Clanification
5. TSE OF WELL: H.O Sampling DATE: 7-18-34	A == :
6. DOES THIS WELL REPLACE AN EXISTING WELL?	0-55 SM
7. TOTAL DEPTH: 21.64 RIG TYPE OR METHOD: H-SA-2	55-6.0 CL
8. FORMATION SAMPLES COLLECTED: YES NO	6.0-7.5 SM
9. CASING: Depth Inside Wall thick. type Dia. or weight/ft.	7.5-85 SC-5M
P- 1 to LS ft 2 Sch 40 PVC	8.5-21.5 CL
10. CDCUT: Depth Material Method	
From D to 4.79ft ramento:1) poured	
11. SCREEN: Depth Dia. Type & Opening	If additional space is needed, use back of form
From 65 to 31.04ft 3" Sch 40 PVC	LOCATION SKETCH
	distance to numbered roads, or other map reference points)
	STONE BAY
. ··	
12. GRAVEL: Depth Size Material	•
From 5 Deto all Offe Selica Sand	,
4.29 5.42 Bertonite	,
13. WATER ZONES (depth): 893 ZI.09' (Toc)	
	P 4w69-1
14. STATIC WATER LEVEL 3.73 ft. above top of casing	
Casing is 25 ft. above land surface ELEV: 94.33	SERIER
15. YIELD (gpm): 4 METHOD OF TESTING: PUMPED	x5*/
16. PUMPING WATER LEVEL: 10.8 ft.	I TO SON NEWS
after hours at 7 gpm.	no twi
17. CHLORINATION: Type Amount	New To
18. WATER QUALITY: STOD TEMPERATURE (°F) 75	
19. PERMANENT PUMP: Date Installed	
TypeCapacity(gpm) HP	7/
MakeIntake Depth	110005 7000 41
Airline Depth	SNeads Ferry Rd
20. HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND I RECOMMENDATIONS?	NEORWED OF THE DEPARTMENTS REQUIREMENTS AND
21. REMARKS I do hereby certify that this well was constructed in a	ccordance with N.C. Well Construction
Regulations and Standards and that this well record is	true and exact.
SIGNATURE OF CONTRACTOR OF AGENT	12-18-87

DOCNO: CLEJ -00075 - 3.13 - 1/21/85
NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

WELL RECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT

P. O. Box 27687 - RALEIGH, N.C. 2761 DRILLING CONTRACTOR STS COUSCITANTS LT REG. NO. 19	
1. WELL LOCATION: (Show sketch of the location below)	
Chim as Donal	County: ONSCOW
	Quadrangle No. Such OS Fenale
(Road, Community or Subdivision and Lot No.)	
2. OWNER: COMMANDING GENERAL, MANUE CORP BASE	DRILLING LOG G-W69-2
3. ADDRESS: OFFICE OF ACK FACKITIES CAMUP LETEUNE N.	
4. TOPOGRAPHY: draw, valley, slope billtop, flat (circle one)	FROM TO FORMATION DESCRIPTION (USCS Classification
5. USE OF WELL: #50 Sompling DATE: 7-18-87	
6. DOES THIS WELL REPLACE AN EXISTING WELL?	0-875 SM
7. TOTAL DEPTH: 20.42 RIG TYPE OR METHOD: H.S.A.	8.75-90 SC-SM
8. FORMATION SAMPLES COLLECTED: YES NO	9.0-21.5 CL
9. CASING: Depth Inside Wall thick. type Dia. or weight/ft.	
From Oto 94st 2" Sch 40 PVC	
2. 3	
10. GROUT: Depth Material Method	3
From () to 367st coment(2:1) evered	i A
11. SCREEN: Depth Dia. Type & Opening	If additional space is needed, use back of form
From 5.99 to 20.42 £t 2" Sel 40 PVC	LOCATION SKETCH
. (Show	distance to numbered roads, or other map reference points)
	STONE BAY
	•
12. GRAVEL: Depth Size Material	
From 4,77 to 20.42ft Silica Sand	
367 4.77 Bentonite	,
13. WATER ZONES (depth): 8.3 20.42 (70c)	G-W69
13. Hallat Botto (depair)	. 7
14. STATIC WATER LEVEL: \$\frac{9.3}{2}\$ ft. above top of casing	a a so twent see when
Casing is 25 ft. above land surface ELEV: 99.23	Rest.
15. YIELD (gpm): 3 METHOD OF TESTING: PULLED	rs ^k
16. PUMPING WATER LEVEL: //- 5 ft.	Sent Ne
after / hours at 3 gpm.	
17. CHLORINATION: Type NA Amount	News for the first the second
18. WATER QUALITY: GJOO -FAG TEMPERATURE (°F)	
19. PERMANENT PUMP: Date Installed	
Type Capacity (gpm) HP	
Make Intake Depth	
Airline Depth	SNEADS FETTY Rd
20. HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND	INFORMED OF THE DEPARTMENTS REQUIREMENTS AND
RECOMMENDATIONS?	•
I do hereby certify that this well was constructed in a	accordance with N.C. Well Construction
Regulations and Standards and that this well record is	true and exact.
SIGNATURE OF CONTRACTOR OF AGENT	DATE

Do C NO: CLET - 00075 - 3. 13 - 1/2/85
NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

DIVISION OF ENVIRONMENTAL MANAGEMENT

DR	P. O. Box 27687 — RALEIGH, N.C. 2 ILLING CONTRACTOR STS CONSTANTS CHO. REG. NO.	27611 919-733-2020 19/ WELL CONSTRUCTION PERMIT NO.
	WELL LOCATION: (Show sketch of the location below)	
••	Nearest Town: Speads Fenny	County: Opsicow
	PT 210 , CAMP LEJEUNE	Quadrangle No. SNEADS FERRY
	(Road, Community or Subdivision and Lot No.)	Quadrangle we.
2.	OWNER: CO MY MANDING GENERAL MARINE COMP	BISC DRILLING LOG G469-3
3.	ADDRESS: OFFICE OF ALLS FACILITIES, CAMPLETEUNE	A.C. DEPTH
4.	TOPOGRAPHY: draw, valley, slope militop, flat (circle o	ne) FROM TO FORMATION DESCRIPTION USCS Classification
5.	USE OF WELL: HO Sampling DATE: 7-18-84	
	DOES THIS WELL REPLACE AN EXISTING WELL? NO	0-10.5 SM
7.	TOTAL DEPTH: 2035 RIG TYPE OR METHOD: H.S.A.	15:465 CL
8.	FORMATION SAMPLES COLLECTED: YES V NO	2021.5 CL
9.	CASING: Depth Inside Wall thick. type	
	Dia. or weight/ft.	
	From O to 587ft 3" Shyo PUC	
	· · · · · · · · · · · · · · · · · · ·	
10.	GROUT: Depth Material Method	
	From O to 37/ ft coment (:1) foured	
•		- If additional space is needed, use back of form
11.	SCREEN: Depth Dia. Type & Opening	in additional space is needed, use back of form
	From 587 to 2035ft 2" Sch 40 PVC	LOCATION SKETCH
		Show distance to numbered roads, or other map reference points)
		STONE BAY
12.	GRAVEL: Depth Size Material	
	From 4. 7to20.35ft Silve Sand	•
~	37/ 471 Bentonite	م د الم
13.	WATER ZONES (depth): 7.4 - 20.35 (Toc)	
		, '9
14.	STATIC WATER LEVEL: 74 ft. above top of casing	Soo Kram Victor Report to the sound of the s
	Casing is 2.5 ft. above land surface ELEV: 98.52	2FR /
15.	YIELD (gpm): 3.5 METHOD OF TESTING: PUMPEN	X _W
• • • • • • • • • • • • • • • • • • • •	PUMPING WATER LEVEL: /D. D ft.	/ Kra NA
	after / hours at 3.5 gpm.	Solver
17.	CHLORINATION: Type NA Amount	
	WATER QUALITY: 5000 TEMPERATURE (°F)	
	PERMANENT PUMP: Date Installed	
	TypeCapacity(gpm) HP	
		SNEADS FERRY Rd
20	Airline Depth	
2 U.	HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD A RECOMMENDATIONS?	UN THEORMED OF THE PERMITMENTS REQUIREMENTS AND
21.	REMARKS	
	I do hereby certify that this well was constructed Regulations and Standards and that this well record	in accordance with N.C. Well Construction is true and exact.
	Pr/Cont Monber	12-18-84
	SIGNATURE OF CONTRACTOR OF AGE	NT DATE

DOC NO: CLET-00075-3./3-1/8/85
NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

	P. O. Box 27687 — RALEIGH, N.C. 276	
DR	ILLING CONTRACTOR STS CONSULTANTE # d. REG. NO. 19	
1.	WELL LOCATION: (Show sketch of the location below)	
-	Nearest Town: SUEAOS FERRY	County: ON SLOW
	RT 210, CAMP LEVEUNE	Quadrangle No. SNEADS FERRY
_	(Road, Community of Subdivision and Lot No.)	
	OWNER: COMM AND ING GENERAL MARINE CORP &	
	ADDRESS: OFFICE OF ACIS FACILITIES, CAMP LETRUME A	FROM TO FORMATION DESCRIPTION
	USE OF WELL: Ho Sampling DATE: 7-18-84	(uscs class.)
	DOES THIS WELL REPLACE AN EXISTING WELL? NO	0-8.5 SM
	TOTAL DEPTH: 2025 RIG TYPE OR METHOD: #5. A.	8,5-923 SC-SM
	FORMATION SAMPLES COLLECTED: YES V NO	925-165 SM
	CASING: Depth Inside Wall thick. type	
	Dia. or weight/ft.	40-d1,5 ML
	From O to S. 77 ft 3" Sch 40 PUC	
	· · · · · · · · · · · · · · · · ·	
10.	GROUT: Depth Material Method	
	From () to 35 ft Coment(2:1) poured	
		If additional space is needed, use back of form
11.	SCREEN: Depth Dia. Type & Opening From 577 to 2025t 2" Sel 40 PVC	
	(Show	LOCATION SKETCH distance to numbered roads, or other map reference points)
		STONE BAY
	-, -	
12.	GRAVEL: Depth Size Material From 4.54to 2025 ft Silica Soul	A
-	3.5 454 Bestante	G-W69-9
••	WATER ZONES (depth): 8.94 - 20.25 (700)	
13.	WATER ZONES (depth):	SERALR
14	STATIC WATER LEVEL: 894 ft. above top of casing	² 6 _χ
14.	Casing is 2.5 ft. above land surface ELEV: 102.51	, 5 ^t
15	YIELD (gpm): 3.0 METHOD OF TESTING: PURPED	View.
	PUMPING WATER LEVEL: 11:0 ft.	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
	after (hours at 3.0 gpm.	75 (T)
17.	CHLORINATION: Type NA Amount	,
	WATER QUALITY: GOOD TEMPERATURE (°F) 80	
	PERMANENT PUMP: Date Installed NA	
	Type Capacity (gpm) HP	4/
	MakeIntake Depth	Y
	Airline Depth	SNEADS Ferry Ra
20.	HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND	INFORMED OF THE DEPARTMENTS REQUIREMENTS AND
21	RECOMMENDATIONS?	
۷١.	REMARKS I do hereby certify that this well was constructed in	
	Regulations and Standards and that this well record is	true and exact.
	SIGNATURE OF CONTRACTOR OF AGENT	<u>/2イターマ</u> ブ DATE

DOC NO: CLEJ-00075 - 3.13 - //2/85

NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

WELL RECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT

P. O. Box 27687 - RALEIGH, N.C. 27611 919-733-2020 DRILLING CONTRACTOR STS COUSULTAINS Ltd REG. NO. WELL CONSTRUCTION PERMIT NO. 1. WELL LOCATION: (Show sketch of the location below) SWEHOS FERRY DAISION Nearest Town: County: SNEADS FERRY MT 210 CHUP LEJEUNE Quadrangle No. (Road, Community or Subdivision and Lot No.) DRILLING LOG G-W69-5 2. OWNER: COMMANDING GENERAL, MARINE CORP BASE 3. ADDRESS: OFFICE OF ACIS FACILITIES, CAMP LEDEUNE N.C. FORMATION DESCRIPTION TOPOGRAPHY: draw, valley, slope, militop, flat (circle one) (45CS Class.) 5. USE OF WELL: 6. DOES THIS WELL REPLACE AN EXISTING WELL? SC-SM H.S.A. 7. TOTAL DEPTH: 20.98 RIG TYPE OR METHOD: 8. FORMATION SAMPLES COLLECTED: YES 🖊 NO 5C-5M Inside Wall thick. 9. CASING: Depth PVC 10. GROUT: Depth Method If additional space is needed, use back of form Dia. 11. SCREEN: LOCATION SKETCH distance to numbered roads, or other map reference points) 12. GRAVEL: Depth Material G-W69-5 From 5.33 to 20.98ft <u>3.71 *5.*33</u> 11.45 13. WATER ZONES (depth): 14. STATIC WATER LEVEL: 1.45 ft. above top of casing Casing is 35 ft. above land surface ELEV: 9668 METHOD OF TESTING: PUMPED 16. PUMPING WATER LEVEL: hours at Amount 17. CHLORINATION: Type 6000 TEMPERATURE (OF) 73 18. WATER QUALITY: 19. PERMANENT PUMP: Date Installed (gpm) HP Capacity Intake Depth Make 5 NEADS Airline Depth 20. HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND INFORMED OF THE DEPARTMENTS REQUIREMENTS AND MA RECOMMENDATIONS? 21. REMARKS I do hereby certify that this well was constructed in accordance with N.C. Well Construction Regulations and Standards and that this well record is true and exact. SIGNATURE OF CONTRACTOR OF AGENT 12-18 -86

DATE

DOEND: CLEJ - 000 75 - 6 - 1/21/85
NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

DIVISION OF ENVIRONMENTAL MANAGEMENT

P. O. Box 27687 — RALEIGH, N.C. 2761 DRILLING CONTRACTOR STS CONSULTANTS, Ltd. REG. NO. 19		
1. WELL LOCATION: (Show sketch of the location below)		
Nearest Town: Suerns Fenal	County: ONSCOW	
(Road, Community or Subdivision and Lot No.)	Quadrangle SheAOS FERNY	
(Road, Community or Subdivision and Lot No.) 2. OWNER: Community General MANUE COMPRASE	DRILLING LOG GW69-6	
3. ADDRESS: OFFICE OF ACIS FACILITIES, CAMPLETEUNE N	-C- DEPTH	
4. TOPOGRAPHY: draw, valley, slope, hilltop) flat (circle one)	FROM TO FORMATION DESCRIPTION (USCS Class.)	
5. USE OF WELL: H.O Sandling DATE: 7-17-84		
6. DOES THIS WELL REPLACE AN EXISTING WELL? NO	0-3.0 SM	
7. TOTAL DEPTH: 30.83 RIG TYPE OR METHOD: H.J.A.	30-60 ML	
8. FORMATION SAMPLES COLLECTED: YES NO	60-10.5 SM	
9. CASING: Depth Inside Wall thick. type	1516.5 ML	
Dia. or weight/ft.		
From O to 1637ft 2. Sel 40 PVC		
	352C3 CL	
	3031.5 SM	
10. GROUT: Depth Material Method	1,12	
From 0 to 1437ft coment (21) pource	· · · · · · · · · · · · · · · · · · ·	
	If additional space is needed, use back of form	
11. SCREEN: Depth Dia. Type & Opening		
From 16.37 to 308 2t 2" Sch 40 PVC (Show	LOCATION SKETCH distance to numbered roads, or other map reference points	
:		
12. GRAVEL: Depth Size Material	•	
From 1537 to 30.83 ft Silica Sand		
1437 15.37 Bentonite	GW69-6	
13. WATER ZONES (depth): 27.75 -30.23 (70C)	.0 / 8	
	of the state of th	
14. STATIC WATER LEVEL: 22.75 ft. above top of casing	x SERVAR 000	
Casing is 2,5 ft. above land surface ELEV: 91.2	× /	
15. YIELD (gpm): Z METHOD OF TESTING: Pumpers	Luber /	
16. PUMPING WATER LEVEL: 29-D ft.		
after / 3 hours at Z gpm.	<u> </u>	
	ا عَمْ الر	
17. CHLORINATION: Type NA Amount		
18. WATER QUALITY: FACT TEMPERATURE (°F) 65	/-	
19. PERMANENT PUMP: Date Installed		
Type Capacity (gpm) HP		
MakeIntake Depth	SNEADS Ferry Rd	
Airline Depth	. , , , ,	
20. HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND RECOMMENDATIONS?	INFORMED OF THE DEPARTMENTS REQUIREMENTS AND	
21. REMARKS	21. N.O. 19.13 Garage	
I do hereby certify that this well was constructed in Regulations and Standards and that this well record is	accordance with N.C. well Construction true and exact.	
SIGNATURE OF CONTRACTOR OF AGENT DATE		

DOC NO: CLET-00075 - 3.13 -1/2//85

	WELL RECORD DIVISION OF ENVIRONMENTAL MA	NAGEMENT
חח	P. O. Box 27687 — RALEIGH, N.C. 2761 LLING CONTRACTOR STS CONSULTANTS CHL REG. NO. 19	
=		, many construction and more
1.	WELL LOCATION: (Show sketch of the location below)	County: ONSIDE
	Nearest Town: SNEADS FERNA	
	(Road, Community or Subdivision and Lot No.)	Quadrangle No. SWEADS FERRY
2.	OWNER: COMMANDING GENERAL MANINE WAP B	SE DRILLING LOG G-W69-7
3.	ADDRESS: OFFICE OF AC/S FACILITIES CAMPLETEUNE	AC. DEPTH
4.	TOPOGRAPHY: draw, valley slope hilltop, flat (circle one)	FROM TO FORMATION DESCRIPTION (US CS Class.)
5.	USE OF WELL: H.O Sampling DATE: 7-17-84	
6.	DOES THIS WELL REPLACE AN EXISTING WELL? NO	0-30 SM
7.	TOTAL DEPTH: 2069 RIG TYPE OR METHOD: H.S.A.	3.0-4.5 SC-SM
8.	FORMATION SAMPLES COLLECTED: YES V NO	4.5-60 SM
9.	CASING: Depth Inside Wall thick. type Dia. or weight/ft.	6.6-8.0 SC-SM
	From O to 621 ft 2" Sch 40 PUC	_8.0-9.0 SM
		9105 CL
		1516,5 CL
10.	GROUT: Depth Material Method	20-215 SM
	From () to 171 ft coment(5:1) poured	
		•
11.	SCREEN: Depth Dia. Type & Opening	If additional space is needed, use back of form
	From 621 to 2069ft 2" Sel 40 PVC -	LOCATION SKETCH
		distance to numbered roads, or other map reference points)
12.	GRAVEL: Depth Size Material	GW69-7
	From 306 to 2069st Silica Sand	9 :0 0
,	271 508 Bentonite	£ / 0
13.	WATER ZONES (depth):	* / OO
	17.7 - 20.65' (TOC)	ich o o
14.	STATIC WATER LEVEL: 7.7 ft. above top of casing	X
	Casing is 2.0 ft. above land surface ELEV: 77.81	10 m
15.	YIELD (gpm): /. I METHOD OF TESTING: PIMPED	, the
16.	PUMPING WATER LEVEL: 19.0 ft.	0.42
	after 2 hours at 1.5 gpm.	7
	CHLORINATION: Type NA Amount 2	
18.	WATER QUALITY: GOOD TEMPERATURE (OF) 65	
19.	PERMANENT PUMP: Date Installed NA	
	TypeCapacity(gpm) HP	Ž- / :
	MakeIntake Depth	SNEADS FETTY Rd
	Airline Depth	, , , , , , , , , , , , , , , , , , ,
20.	HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND :	INFORMED OF THE DEPARTMENTS REQUIREMENTS AND

DOC NO: CLEJ - 00075 - 3.13 - 1/21/85

NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

WELL RECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT
P. O. Box 27687 — RALEIGH, N.C. 27611 919-733-2020

DRILLING CONTRACTOR STS CONSULTANTS, Ltd. REG. NO. 19/ WELL CONSTRUCTION PERMIT NO. 1. WELL LOCATION: (Show sketch of the location below) SNEADS FERRY ONSCOL Nearest Town:_ County: DT 210 CAMP LESEUNE Quadrangle No. SWEADS FERRY (Road, Community or Subdivision and Lot No.) 2. OWNER: COMMANDING GENERAL MARINE COMP BUSE DRILLING LOG G-W69-8 3. ADDRESS: OFFICE OF ACIS FACILITIES, CAMP LET BUNE N. C. FORMATION DESCRIPTION 4. TOPOGRAPHY: draw, valley, slope, ailtop, flat (circle one) (uscs Class.) 5. USE OF WELL: HO Sanding DATE: SM 6. DOES THIS WELL REPLACE AN EXISTING WELL? H.S.A. 325-85 S C-SM 7. TOTAL DEPTH: 20.4 RIG TYPE OR METHOD: 8.5-8. FORMATION SAMPLES COLLECTED: YES V NO Inside Wall thick. 9. CASING: Depth or weight/ft. PVC to 5.92 ft 10. GROUT: Method If additional space is needed, use back of form Dia. Type & Opening 11. SCREEN: LOCATION SKETCH bered roads. or other BA TONE 12. GRAVEL: Depth Size Material From 4.63 to 20.9 ft 3.35 4.63 GWGAA 10.52 13. WATER ZONES (depth):_ 14. STATIC WATER LEVEL: 10.52 ft. above top of casing Casing is 2.5 ft. above land surface ELEV: 97.03 METHOD OF TESTING: PUMPED 15. YIELD (gpm):_ 16. PUMPING WATER LEVEL: ft. after 2.5 hours at 17. CHLORINATION: Type 18. WATER QUALITY: GOUD _temperature (°f) 73 19. PERMANENT PUMP: Date Installed _(gpm) HP Capacity_ Type Make Intake Depth SNEADS Airline Depth 20. HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND INFORMED OF THE DEPARTMENTS REQUIREMENTS AND RECOMMENDATIONS? 21. REMARKS I do hereby certify that this well was constructed in accordance with N.C. Well Construction Regulations and Standards and that this well record is true and exact. il Mon 12-1884 DATE SIGNATURE OF CONTRACTOR OF AGENT

Do C NO: CLEJ - 00075 - 3.13 - 1/21/85
NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

WELL RECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT P. O. Box 27687 - RALEIGH, N.C. 27611 919-733-2020

DRI	ILLING CONTRACTOR STS CONSULTANTS UT REG. NO. 19	/ WELL CONSTRUCTION PERMIT NO.
1.	WELL LOCATION: (Show sketch of the location below)	
	Nearest Town: SNET-Nr Fenny	County: ONSLOW
	(Road, Community or Subdivision and Lot No.)	Quadrangle No. NEW NU on Friet
	OWNER: COMMANDING GENERAL, MARINE CONPRASE	DRILLING LOG GW73-1
3.	ADDRESS: OFFICE OF ACIS FACILITIES, CAMP LETEVALE, M.C.	DEPTH FROM TO FORMATION DESCRIPTION
4.	TOPOGRAPHY: draw, valley, slope, hilltop (flat) circle one)	(USCS Class.)
5.	USE OF WELL: H.O Sampling DATE: 7-6-84	
6.	DOES THIS WELL REPLACE AN EXISTING WELL?	0-165 SM
7.	TOTAL DEPTH: 19.57 RIG TYPE OR METHOD: H.S.A.	20,-21.5 ML
8.	FORMATION SAMPLES COLLECTED: YES V NO	
9.	CASING: Depth Inside Wall thick. type Dia. or weight/ft.	
	Prom O to \$11 ft 2" Sch 40 PVC.	
10.	GROUT: Depth Material Method	:
	From 0 to3.11 ft coment(2:1) poured.	
•		If additional space is needed, use back of form
11.	SCREEN: Depth Dia. Type & Opening	
	From 5.11 to 1957ft 2" Sch 40 PVC (Show of	LOCATION SKETCH iistance to numbered roads, or other map reference points)
12.	GRAVEL: Depth Size Material	ery Rd
	From 411 to 1957 tt Schica Send	SNEADS FERTY RCI N 500 from + SFR + CR
	3.11 41/ Sentonila	500 from +SFR+CR
13.	WATER ZONES (depth): 4.3 - 19.57 (foc)	to se
		G GW73-1
14.	STATIC WATER LEVEL: 4.3 ft. above top of casing	Court of Gw73-1
	Casing is 25 ft. above land surface ELEV: 180.73	12
	YIELD (gpm): 10 METHOD OF TESTING: PUMPING	10
16.	PUMPING WATER LEVEL: 4.4 ft.	
	after / hour at /D gpm.	
	CHLORINATION: TypeAmount	
18.	WATER QUALITY: 6000 TEMPERATURE (°F) 73	BAY
19.	PERMANENT PUMP: Date Installed NA	courinause BAY
	TypeCapacity(gpm) HP	cour
•	MakeIntake Depth	
	Airline Depth	/
20.	HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND I	NFORMED OF THE DEPARTMENTS REQUIREMENTS AND
21.	REMARKS	
	I do hereby certify that this well was constructed in a Regulations and Standards and that this well record is	ccordance with N.C. Well Construction true and exact.
	Ry Kirly Montage	12-18-84
	SIGNATURE OF CONTRACTOR OF AGENT	DATE

DOC NO: CLEJ-00075 - - 01/81/85

NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

WELL RECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT

P. O. Box 27687 - RALEIGH, N.C. 27611 919-733-2020

DRILLING CONTRACTOR STS CONSULTANTS LAL REG. NO. 191 WELL CONSTRUCTION PERMIT NO. 1. WELL LOCATION: (Show sketch of the location below) SUEADS FERNY . GNSLOW Nearest Town: County: CAMP LETOUNE COUNT HOUSE RUD Quadrangle No NEW NUEN FULET (Road, Community or Subdivision and Lot No.) 2. OWNER: COMMANDING GENERAL, MANNE CORPO BASE DRILLING LOG GW73-2 3. ADDRESS: OFFICE OF ACIS FACILITIES CHIMP LEJEUNE N.C. DEPTH FORMATION DESCRIPTION 4. TOPOGRAPHY: draw, valley, slope, hilltop (flat (circle one) (USCS Class.) 5. USE OF WELL: H.O Sameline DATE: 6. DOES THIS WELL REPLACE AN EXISTING WELL? H.S.A 7. TOTAL DEPTH: 19.42 RIG TYPE OR METHOD: 8. FORMATION SAMPLES COLLECTED: YES 🛩 NO Inside Wall thick. 9. CASING: Depth or weight/ft. Dia. PUC CH 10. GROUT: Method Depth Material If additional space is needed, use back of form 11. SCREEN: Dia. LOCATION SKETCH numbered roads, or other map reference points) 12. GRAVEL: Material Depth Size 13. WATER ZONES (depth): 3. 14. STATIC WATER LEVEL: 3.1 ft. above top of casing Casing is 2.5 ft. above land surface ELEV: 100.0 METHOD OF TESTING: PURPERO 16. PUMPING WATER LEVEL: 3.40 after 2 hours at__ 17. CHLORINATION: Type //A Amount COURT MOUSE BAY 18. WATER QUALITY: GOOD TEMPERATURE (OF) 70 19. PERMANENT PUMP: Date Installed_ _Capacity_ (gpm) HP Type Intake Depth Make_ Airline Depth 20. HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND INFORMED OF THE DEPARTMENTS REQUIREMENTS AND RECOMMENDATIONS? 21. REMARKS I do hereby certify that this well was constructed in accordance with N.C. Well Construction Regulations and Standards and that this well record is true and exact. W) Kind Womber 12-18-84 DATE CONTRACTOR OF AGENT

DOC NO: CLEJ-00075 - 8.13 - 1/21/85
NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

WELL RECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT

DRILLING CONTRACTOR >/> CODSUCTATION CAS REG. NO. (7/ WELL CONSTRUCTION PERMIT NO.
1. WELL LOCATION: (Show sketch of the location below)	
Nearest Town: SNEAUS FERRY	County: ტおらむい
(Road, Community or Subdivision and Lot No.)	Quadrangle No. NEW RIVER TRUET
2. OWNER: COMMANDING GENERAL MANNOCORPBA	44/3 3
3. ADDRESS: OFFICE OF AC/S FACCITIES, CAMP CETEURE	FROM TO FORMATION DESCRIPTION
4. TOPOGRAPHY: draw, valley, slope, hilltop flat circle one) 5. USE OF WELL: HO Sandling DATE: 7-6-84	(USCS Class.)
6. DOES THIS WELL REPLACE AN EXISTING WELL? NO	0-1.0 SM
7. TOTAL DEPTH: 19.67 RIG TYPE OR METHOD: H. S.A.	
8. FORMATION SAMPLES COLLECTED: YES NO	
	1.25-10.5 SM
9. CASING: Depth Inside Wall thick. type Dia. or weight/ft.	15.0-16.5 CL
Prom 0 to 519 ft 2" Sel 40 PUC	20.0-21.5 CL
10. GROUT: Depth Material Method	
a) an sand-	
From () to d. () ft coment a. ()	
	If additional space is needed, use back of form
11. SCREEN: Depth Dia. Type & Opening	
From 5.19 to 19.67 t 2 Sch 40 PUC (Show	LOCATION SKETCH w distance to numbered roads, or other map reference points)
	A.1.
	Ferry
12. GRAVEL: Depth Size Material	Ecity
From 4.08 to 19.67 Et Silica Son	25
2.17 4.08 Bentonite	SHEADS
13. WATER ZONES (depth): 4.9 - 19.67 (700)	511
	/ EQ+0
14. STATIC WATER LEVEL: 4.9 ft. above top of casing	Wall to SE
Casing is 2.5 ft. above land surface ELEV: 98.04	Naco to SE
15. YIELD (gpm): 7 METHOD OF TESTING: PUMPED	
16. PUMPING WATER LEVEL: 5.2 ft.	
after 2 hours at 7 gpm.	77-
	G-W73-
17. CHLORINATION: Type NA Amount	
18. WATER QUALITY: FAIR TEMPERATURE (°F) 73	a At
19. PERMANENT PUMP: Date Installed NA-	0
Type Capacity (gpm) HP	rt kogus
MakeIntake Depth	court kouse BAT
Airline Depth	/
20. HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND RECOMMENDATIONS?	INFORMED OF THE DEPARTMENTS REQUIREMENTS AND
21. REMARKS	
I do hereby certify that this well was constructed in Regulations and Standards and that this well record is	accordance with N.C. Well Construction true and exact.
Il Knik Woulange	12-18-84
SIGNATURE OF CONTRACTOR OF AGENT	DATE

Do c No : CLET -00075 - 3 .13 - 1/21/85
NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

WELL RECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT P. O. Box 27687 — RALEIGH, N.C. 27611 919-733-2020

DR	ILLING CONTRACTOR STS CONSULTANTS LT REG. NO. 191	WELL CONSTRUCTION PERMIT NO.		
1.	WELL LOCATION: (Show sketch of the location below)			
	Nearest Town: SNEADS FERMY	County: ONSCOW		
	(Road, Community or Subdivision and Lot No.)	Quadrangle Nor NEW NUER FULE!		
	OWNER: COMMANDING GENERAL MANUE COMPBASE	DRILLING LOG G673-4		
	ADDRESS: OFFICE OF ACIS FACILITIES, CAMP LETCHIC H.C	FROM TO FORMATION DESCRIPTION		
	TOPOGRAPHY: draw, valley, slope, hilltop (flat circle one) USE OF WELL: # 0 Sangling DATE: 7-6-84	(USCS Class.)		
	DOES THIS WELL REPLACE AN EXISTING WELL? NO	0-1:0 SM		
7.	TOTAL DEPTH: AO.O RIG TYPE OR METHOD: H.S.A.	1.0-3.0 SM-SC		
	FORMATION SAMPLES COLLECTED: YES V NO	3.0-7.0 SM		
	CASING: Depth Inside Wall thick. type Dia. or weight/ft.	7.0-7.5 Peat		
	From O to \$59ft 2" Soluh PUC	7.5-165 SM		
	2500 11 200 3710			
		20, ~1,5 ML		
10.	GROUT: Depth Material Method	·		
	Prom () to 3,54ft (omeod (2:1) ooured			
	From 17 co 5.5711 (04444 12-17)	•		
		f additional space is needed, use back of form		
11.	SCREEN: Depth Dia. Type & Opening			
	From 5.5/to 200 ft 2" Sel 40 PVC (Show d	LOCATION SKETCH istance to numbered roads, or other map reference points)		
•				
	•"	Ferry Ry		
12.	GRAVEL: Depth Size Material	SNEADS FETTY Rd		
	Prom 454to 200 ft Silica Sand	2000 P- E-SE		
_		SNEADS FETTY 1000 1000 + SFR+C		
	354 4.54 <u>Bentonite</u>	Courtho		
13.	WATER ZONES (depth): 3.4 20.0 (foc)	with the same of t		
		\$ 135°		
14.	STATIC WATER LEVEL: 3.4 ft. above top of casing			
	Casing is 2.5 ft. above land surface ELEV: 94.22	2		
15.	YIELD (gpm): 9 METHOD OF TESTING: Purpos			
16.	PUMPING WATER LEVEL: 3.4 ft.	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
	after 7 hours at 9 gpm.			
17.	CHLORINATION: Type NA Amount			
18.	WATER QUALITY: FAIN TEMPERATURE (OF) 7/	D / 0		
19.	PERMANENT PUMP: Date Installed NA	Lour house		
	TypeCapacity(gpm) HP	, out , A. T.		
	MakeIntake Depth			
	Airline Depth	<u>′</u>		
20.	HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND IN	NFORMED OF THE DEPARTMENTS REQUIREMENTS AND		
21.	REMARKS			
	I do hereby certify that this well was constructed in ac	coordance with N.C. Well Construction		
	Regulations and Standards and that this well record is			
	12) Wirel Mouleup 12-18-84			

DOC NO: CLET -00075 -3.13 - 1/21 /85
NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

WELL RECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT P. O. Box 27687 - RALEIGH, N.C. 27611 919-733-2020

DRILLING CONTRACTOR SIS CONJULTANCE, Ctd. REG. NO. 17	WELL CONSTRUCTION PERMIT NO.
1. WELL LOCATION: (Show sketch of the location below)	
Nearest Town: MIDWAY PARK	County: ONSCOW
(Road, Community or Subdivision and Lot No.)	Quadrangle No. CAMP LEJEUNE
2. OWNER: COM MANOING GENERAL, MARINE CONP BAS	DRILLING LOG GW74-/
3. ADDRESS: OFFICE OF AC/S FACILITIET, KAMP LETEUNE, A	
4. TOPOGRAPHY: draw, valley, slope, hilltop (flat) (circle one)	FROM TO FORMATION DESCRIPTION OF COLORS (1)
5. USE OF WELL: #0 Sanding DATE: 7-4-84	(43C (tabl.)
6. DOES THIS WELL REPLACE AN EXISTING WELL? NO	0-20.0 SM
7. TOTAL DEPTH: 21.42 RIG TYPE OR METHOD: H.S.A.	2021 · SC
8. FORMATION SAMPLES COLLECTED: YES / NO	23245 SM
9. CASING: Depth Inside Wall thick. type Dia. or weight/ft.	
From 6 to 696t 2" Sel 40 PVC	
7.	
10. GROUT: Depth Material Method	
From D to 4.96st somet(2:1) source	
	•
11. SCREEN: Depth Dia. Type & Opening	If additional space is needed, use back of form
Prom (.96to21.42 ft 2" Sch 40 PVC -	LOCATION SKETCH
Old slot	distance to numbered roads, or other map reference point
	, P.
12. GRAVEL: Depth Size Material	36
From Co. 102142 ft Selice Sand	NC SR 24
4D 5.0 Bentonite	(A)
13. WATER ZONES (depth): 7.0 - 2/.4 2 (700)	
	Land RE+HB
14. STATIC WATER LEVEL: 7.0 ft. above top of casing	16250 from + BB+HB.
Casing is 2.5 ft. above land surface ELEV: 100.13	
15. YIELD (gpm): 7 METHOD OF TESTING: PUPPED	Ster Blad
16. PUMPING WATER LEVEL: 7.2 ft.	ster .
after hours at 7 gpm.	No.
17. CHLORINATION: Type / Amount	m _b
18. WATER QUALITY: GOOD TEMPERATURE (OF) ST	Harong aluga
19. PERMANENT PUMP: Date Installed	·
TypeCapacity(gpm) HP	
Make Intake Depth	
Airline Depth	
20. HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND I RECOMMENDATIONS?	INFORMED OF THE DEPARTMENTS REQUIREMENTS AND
21. REMARKS	
I do hereby certify that this well was constructed in a Regulations and Standards and that this well record is	ccordance with N.C. Well Construction true and exact.
[1] Mondey	1 2 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7

DOC NO: CLET - 00075 - 3.13 - 1/21/85 NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

WELL RECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT P. O. Box 27687 - RALEIGH, N.C. 27611 919-733-2020

DRILLING CONTRACTOR STS CONSULTANT, Lfd. REG. NO. 191	WELL CONSTRUC	CTION PERMIT NO.
1. WELL LOCATION: (Show sketch of the location below)		
Nearest Town: MID WAY PANK		ON210M
(Road, Community or Subdivision and Lot No.)	Quadrangle No	CAMP LEJEUNE
2. OWNER: COM MANOJAG GENERAL, MARINE CORP CH	SE DE	EILLING LOG GW74-2
3. ADDRESS: OFFICE OF ACIS PACILITIES, CAMP LETOWNE N.	FROM TO	FORMATION DESCRIPTION
4. TOPOGRAPHY: draw, valley, slope, hilltop, flat (circle one)		(USCS Class.)
5. USE OF WELL: H.O Sampling DATE: 7-4-88		
6. DOES THIS WELL REPLACE AN EXISTING WELL?	0-3.0	5M
7. TOTAL DEPTH: 23.96 RIG TYPE OR METHOD: H.S.A.	3,-6.0	SP
8. FORMATION SAMPLES COLLECTED: YES NO	6,-265	SM
9. CASING: Depth Inside Wall thick. type Dia. or weight/ft.		
From O to 9, Tace 2" Sel 40 PUC		
10. GROUT: Derth Material Method		
From 0 to 45 ft coment(2:1) poured		
	If additional space	is needed, use back of form
ll. SCREEN: Depth Dia. Type & Opening	II Builtional Space	re needed, and nack of form
From 9.50 to 23.96ft 2" Sch 40 PVC		ON SKETCH ds, or other map reference points
	distance to numbered toa	ds, or other map reference points
12. GRAVEL: Depth Size Material From 6.5 to 33.96 t Silica Sand 4.5 6.5 Bentonite	NCSR24	Phys.
4.5 6.5 Kentraile 13. WATER ZONES (depth): 9.1 - 23.96 (Toc)	- NOSK	, Are
14. STATIC WATER LEVEL: 9.1 ft. above top of casing		~6500 from+BB+HBE
Casing is 25 ft. above land surface ELEV: 100.0	234	THISE :
15. YIELD (gpm): 8 METHOD OF TESTING: (U) 19 PED	te C Bis	80
16. PUMPING WATER LEVEL: 9,0 ft.	rewiter Rivi	Kolcoms Blug
after 2 hours at 2 gpm.		R. C.
17. CHLORINATION: Type NA Amount		3
18. WATER QUALITY: GOOD TEMPERATURE (OF) 80		
19. PERMANENT PUMP: Date Installed	-	
TypeCapacity(gpm) HP		
Make Intake Depth		•
Airline Depth		
20. HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND I RECOMMENDATIONS?	INFORMED OF THE DEPAR	TMENTS REQUIREMENTS AND
21. REMARKS		
I do hereby certify that this well was constructed in a Regulations and Standards and that this well record is	true and exact.	Well Construction
CTOWNER OF COMPRACTOR OF AGENCY	DATE	

Doc No: CLEJ-00075 -

NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT WELL RECORD DIVISION OF ENVIRONMENTAL MANAGEMENT P. O. Box 27687 - RALEIGH, N.C. 27611 919-733-2020 DRILLING CONTRACTOR STS CONSULTANTS LINE REG. NO. WELL CONSTRUCTION PERMIT NO. 1. WELL LOCATION: (Show sketch of the location below) JACKSONVICLE ONSLOW Nearest Town:_ County: WHITE ST-CAMP LETEUNE THEKSDEVICLE SOUTH Quadrangle No. (Road, Community or Subdivision and Lot No.) MARINE CORPBASE DRILLING LOG G-475-1 2. OWNER: COMMANDING GENERAL 3. ADDRESS: OFFICE OF ACIS FACILITIES, CAMP LETERNE M.C. DEPTH FORMATION DESCRIPTION 4. TOPOGRAPHY: draw, valley, slope, hilltop flat circle one) (USCS Class) HO SamplingDATE: 7-16-84 5. USE OF WELL: DOES THIS WELL REPLACE AN EXISTING WELL? TOTAL DEPTH: 20/2 RIG TYPE OR METHOD: H.S.A 8. FORMATION SAMPLES COLLECTED: YES V NO Inside Wall thick. 9. CASING: Depth s c Dia. or weight/ft. 50 SC-SM Method 10. CTTT: Depth If additional space is needed, use back of form Dia. 11. SCREEN: Depth LOCATION SKETCH (Show distance to numbered roads, or other map reference points) 12. GRAVEL: Depth Size From 4.58to20,12ft

2.42 4.58 13. WATER ZONES (depth): 14. STATIC WATER LEVEL: 7.05 ft. below top of casing Casing is 188 ft. above land surface ELEV: 108.06 15. YIELD (gpm): 7.5 METHOD OF TESTING: NIMPEO

ontrance 16. PUMPING WATER LEVEL: hours at 7.5 17. CHLORINATION: Type Amount

18. WATER QUALITY: GOOD TEMPERATURE (°F) 79 19. PERMANENT PUMP: Date Installed_

(gpm) HP _Capacity_ Type _Intake Depth Make

Airline Depth

20. HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND INFORMED OF THE DEPARTMENTS REQUIREMENTS AND RECOMMENDATIONS?

21. REMARKS I do hereby certify that this well was constructed in accordance with N.C. Well Construction Regulations and Standards and that this well record is true and exact.

M Krask moule

12-18-24

Curtis Rd

DOC NO: CLET -00075 - - 1/2//85
NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT WELL RECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT

DR	ILLING CONTRACTOR 3/3 CONSOCIALLY CFE, REG. NO. 19/	WELL CONSTRUCTION PERMIT NO.
1.	WELL LOCATION: (Show sketch of the location below)	
	Nearest Town: JACKSON VICLE	County: Orscow
	(Road, Community or Subdivision and Lot No.)	Quadrangle No. CAMP LEJEUNE
2.	OWNER: COMMANDING GENERAL, MANIAE COMP BAS	E DRILLING LOG G-475-2
	ADDRESS: OFFICE OF AC/S FACILITIES CHAPLES ONE F	40,0%
	TOPOGRAPHY: draw, valley, slope, hilltop (flat circle one)	FROM TO FORMATION DESCRIPTION
	USE OF WELL: 40 Soupling DATE: 7-16-84	(USCS Class.)
	DOES THIS WELL REPLACE AN EXISTING WELL?	0-45 SM
7.	TOTAL DEPTH: 2637 RIG TYPE OR METHOD: H.S.A.	15-45 SC-5M
8.	FORMATION SAMPLES COLLECTED: YESNO	4.5-16.5 SM
9.	CASING: Depth Inside Wall thick. type Dia. or weight/ft.	20,-21,5 SC-SM
	From O to 5.89 ft 21 Sch 40 PVC	
10.	GROUT: Depth Material Method	
	From O to 2.79 ft (Coment 0:1) poured	
•		f additional space is needed, use back of form
11.	SCREEN: Depth Dia. Type & Opening	
		LOCATION SKETCH istance to numbered roads, or other map reference points)
		5'/
12.	GRAVEL: Depth Size Material From 4.17 to 20.3 t Silica Sand	, /
~		, n. 1
12	2.79 4.1 <u>Sentenite</u> WATER ZONES (depth): 8.0 - 20.37 (700)	v ⁴ /
13.	WATER ZONES (depth): 3.6 - 28.37 (100)	
14	STATIC WATER LEVEL: 20 ft. above top of casing	O WSTER
	Casing is 1.5 ft. above land surface ELEV: 111.75 Main	GW75-2 ~ 100 from + IVS +CR
15.	YIELD (gpm): 8.5 METHOD OF TESTING: PO MAPE Sutron	TONE
	PUMPING WATER LEVEL: 8.0 ft.	
	after / hours at 8.5 gpm.	cur7,5 Rd
17.	CHLORINATION: Type AA Amount	/
18.	WATER QUALITY: GOOP TEMPERATURE (OF) 80	
19.	PERMANENT PUMP: Date Installed	
	TypeCapacity(gpm) HP	
	MakeIntake Depth	1
	Airline Depth	
20.	HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND IN	FORMED OF THE DEPARTMENTS REQUIREMENTS AND
21.	REMARKS	and and a wall desired
	I do hereby certify that this well was constructed in ac Regulations and Standards and that this well record is t	cordance with N.C. well Construction true and exact.
	SIGNATURE OF CONTRACTOR OF AGENT	12-18-84 DATE
	STAINSTAND OF CONTINUES OF UREAL	

Do c No : CLEJ -00075 -3.13 - //01/85
NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

WELL RECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT

P. O. Box 27687 - RALEIGH, N.C. 27611 919-733-2020 DRILLING CONTRACTOR STS CONSULTANTS, Ctd. REG. NO. 19 (WELL CONSTRUCTION PERMIT NO.

_		
1.	WELL LOCATION: (Show sketch of the location below)	
	Nearest Town: JACKSDAU ICLE	County: ONSCOUS
	(Road, Community or Subdivision and Lot No.)	Quadrangle No. JACKSOFVICE SOUTH
2.	OWNER: COMMANDING GENERAL MARINE CONPBASE	DRILLING LOG GW75-3
	ADDRESS: OFFICE OF ACIS FACILITIES, CAMPLETOURE, A	
	TOPOGRAPHY: draw, valley, slope, hilltop, flat (circle one)	FROM TO FORMATION DESCRIPTION
	USE OF WELL: H.O Sampling DATE: 7-16-84	(4scs Class.)
	DOES THIS WELL REPLACE AN EXISTING WELL? NO	0-3.0 SM
	TOTAL DEPTH: 19.00 RIG TYPE OR METHOD: H.S.A	34.5 SM-SC
	FORMATION SAMPLES COLLECTED: YES NO	
		4.5-21.5 SM
9.	CASING: Depth Inside Wall thick. type Dia. or weight/ft.	21.5 SM-SC
	From Oto4.54st 2" Sch 40 PUC	
	7. ¥	
10.	GROUT: Depth Material Method	,
-	From B to 254ft coment (6:1) goared	
	• .	
11.	SCREEN: Depth Dia. Type & Opening	f additional space is needed, use back of form
	Prom 454 to 198ft 2" Sch 40 PUC -	LOCATION SKETCE
		istance to numbered roads, or other map reference points)
		5)/
12.	GRAVEL: Depth Size Material	wnite
	From 354to 19.0ft Silica Sand	whi.
	254 3.54 Bentenete	Mein / a
13.	WATER ZONES (depth): 9-16-19.0 (76L)	ntrano
14.	STATIC WATER LEVEL: 96 ft. above top of casing	SOUTS-3 WOOD PROMISE TO E
	Casing is 25 ft. above land surface ELEV: 112.04	
	YIELD (gpm): 8.5 METHOD OF TESTING: WHAT	C.
16.	PUMPING WATER LEVEL: 9.1 ft.	Carris
	after / hours at 8 gpm.	
17.	CHLORINATION: Type NA Amount	
18.	WATER QUALITY: GOOD TEMPERATURE (OF) 76	4.00
19.	PERMANENT PUMP: Date Installed NA	
	Type Capacity (gpm) HP	
	Make Intake Depth	
	Airline Depth	
20.	HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND IN RECOMMENDATIONS?	FORMED OF THE DEPARTMENTS REQUIREMENTS AND
2 1.	REMARKS	
	I do hereby certify that this well was constructed in ac	cordance with N.C. Well Construction
	Regulations and Standards and that this well record is t	
	SIGNATURE OF SONTRACTOR OF ASSENT	DATE

Doc No: CLES -00075 -3.13 - 1/21/85
NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

WELL RECORD

DIVISION OF ENVIRONMENTAL MANAGEMENT

P. O. Box 27687 — RALEIGH, N.C. 27611 919-733-2020

DRILLING CONTRACTOR STS CONSULTANTS, CHI. REG. NO. 191 WELL CONSTRUCTION PERMIT NO.

1. WELL LOCATION: (Show sketch of the location below)		
Nearest Town: JACKSONVILLE	County:	0h260m
(Road, Community or Subdivision and Lot No.)	Quadrangle #0	JACKSON VILLE SOUTH
2. OWNER: COM MANDING GENERAL MARINE COLD S	BASE DI	RILLING LOG G-W76-2
3. ADDRESS: OFFICE OF AC/S FACKLITIES, CAMP LEVEULE M.		*
4. TOPOGRAPHY: draw, valley, slope, hilltop, flat (circle one)	FROM TO	FORMATION DESCRIPTION (USCS Class.)
5. USE OF WELL: HO Sampling DATE: 7-16-84		
6. DOES THIS WELL REPLACE AN EXISTING WELL? NO	0-1.75	SM
7. TOTAL DEPTH: 21.0 RIG TYPE OR METHOD: H.S.A.	1.75-6.75	- CL
8. FORMATION SAMPLES COLLECTED: YES V NO	6,5-7.0	ML
9. CASING: Depth Inside Wall thick. type Dia. or weight/ft.	7.0-21.5	SM
From O to Loft 2" Sch 40 PUC		-
10. GROUT: Depth Material Method		
10. GROUT: Depth Material Method From () to 408 ft coment (2:1)		The second secon
		-
·	If additional space	is needed, use back of form
11. SCREEN: Depth Dia. Type & Opening From (10to) Oft & Sch 40 PUC —		TON CHEMON
(Show		ION SKETCH ads, or other map reference points)
		white
12. GRAVEL: Depth Size Material		J. M. Te
Prom 55 to 21.0 ft Silica Sand		W
408 5.5 Rentenite m	iain /	. ~. 20.
13. WATER ZONES (depth): 4.74-21.0 (Toc)	intranc	G-W76-2-
•		D PARE
14. STATIC WATER LEVEL: 4.77 ft. above top of casing		
Casing is 2.5 ft. above land surface ELEV: 100.0		curtis Ra
15. YIELD (gpm): 9.0 METHOD OF TESTING: POPPED		Ng -
16. PUMPING WATER LEVEL: 4.7 ft.		
/ 6.5		
		•
17. CHLORINATION: Type NA Amount 18. WATER CHALITY: GOOD TEMPERATURE (OF) 66		
19. PERMANENT PUMP: Date Installed	1	
TypeCapacity(gpm) HP		•
MakeIntake Depth		
Airline Depth		
20. HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND TRECOMMENDATIONS?	INFORMED OF THE DEPA	RTMENTS REQUIREMENTS AND
21. REMARKS		
	accordance with N.C. true and exact.	Well Construction
STGNATIME OF CONTRACTOR OF AGENT	DATE	

Doc No: CLET - 00075 - 3.13 - 1/21/85
NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT

WELL RECORD DIVISION OF ENVIRONME

DIVISION OF ENVIRONMENTAL MANAGEMENT

DR	P. O. Box 27687 — RALEIGH, N.C. 276		MIT NO.	
1.	WELL LOCATION: (Show sketch of the location below)			
	Nearest Town: SACKSON UICLE	County: ONS	ωω	
	(Road, Community or Subdivision and Lot No.)	Quadrangle No: JACKS	HIUGE SOUTH	
			•	
2.	OWNER: COMMANDIAL GENERAL, MARINE COLP D	ASE DRILLING L	<u>og</u> 76-1	
3.	ADDRESS: OFFICE OF ACIS FACILITIES CAMPLETONA 28590	FROM TO F	ORMATION DESCRIPTION	
4.	TOPOGRAPHY: draw, valley, slope, hilltop, flat circle one)	<u> </u>	scs Class,)	
	USE OF WELL: H. O Sampling DATE: 7-16-84			
	DOES THIS WELL REPLACE AN EXISTING WELL?	0-4.75 CI		
	TOTAL DEPTH: 18.29 RIG TYPE OR METHOD: H.S.A.	4,75-21.5 51	1	
8.	FORMATION SAMPLES COLLECTED: YESNO			
9.	CASING: Depth Inside Wall thick. type Dia. or weight/ft.			
	From () to 39 1 ft 2" Seh 40 PVC			
		•		
10.	GROUT: Depth Material Method			
	From 0 to ft (omential) poured			
		•		
11.	SCREEN: Depth Dia. Type & Opening	If additional space is needed	d, use back of form	
	From 38/ to /829ft 2" Sel 40 PVC -	LOCATION SKETC	I	
		distance to numbered roads, or oth	er map reference points)	
		ı		
		White	4/	
12.	GRAVEL: Depth Size Material		5/	
	From 275 to /8,29ft Silica Sand	in te		
	195 2.75 Bentonite	W.		
13.	WATER ZONES (depth): 7.29 - 18. 29 'foo			
		main /	GW76-1 ~1100	
14.	STATIC WATER LEVEL: 9.29 ft. above top of casing	Entrano /	from + ws+c	
	Casing is 2.5 ft. above land surface ELEV: 109.54		# E	
15.	YIELD (gpm): 7.5 METHOD OF TESTING: PUMPED		curris Rd	
	PUMPING WATER LEVEL: 9.25 ft.		"S Ra	
	after 2 hours at 7.5 gpm.		e see :	
17.	CHLORINATION: Type NA Amount			
	WATER QUALITY: GOOD TEMPERATURE (°F) 75	<u>.</u>		
	PERMANENT PUMP: Date Installed			
	TypeCapacity(gpm) HP			
	Make Intake Depth		•	
	Airline Depth			
20.	HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND RECOMMENDATIONS?	INFORMED OF THE DEPARTMENTS R	EQUIREMENTS AND	
21.	REMARKS			
•	I do hereby certify that this well was constructed in	accordance with N.C. Well Con	struction	
	Regulations and Standards and that this well record is	true and exact.		
	SIGNATURE OF CONTRACTOR OF AGENT DATE			

. (DOC NO: CLEJ-00075'-3.13-1/21/85

1 February 1991

To:

Stephanie Del Re Johnson

From:

Laurie Boucher

Sub1:

camp Lejeune SITE Management PLAN, Standard A 2 76 standard a few discrepancies between therein and the proposed Site Manager a few weeks ago. Specifically I was looking over the Camp Lejeune IR S. (SSR) and noticed a few discrepancies between contained therein and the proposed Site Manage discussed a few weeks ago. Specifically:

- a) Site 76 (MCAS Curtis Road Site). This site was allegedly used as a drum disposal area at one time. However, the SSR indicates that buried metallic objects were not detected during the geophysical survey which was conducted, and analytes of interest were not detected during both the 1984/1986 groundwater sampling efforts. The SSR makes the recommendation that no further investigations are warranted at this site. EPA, in their November 1990 response to the SSR, did not argue with this recommendation. Based on this data, the Site Management Plan probably does not need to address Site 76 at this time.
- b) Site "A" (MCAS Officers! Housing Area). The groundwater, surface water, and sediment samples analyzed at Site "A" did not indicate any contaminants related to the tentatively identified wastes (i.e. hospital wastes). The SSR recommends no further action. You mentioned that ATSDR expressed notable concern over this site. What is their basis of concern?
 - I'll give you a call Monday morning to discuss these two sites.