#### FILE FOLDER

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Confidential Records Management, Inc. New Bern, NC 1-888-622-4425 9/08 11331,1 WELL PERMIT APPLICATIONS (83)

OPEN

CLOSED

JANUARY - 1986 - DESTROY SECNAVINST 5215.5B Part II Chap 11, par. 11300(2) 2 years Mr. Charles Wakild
Regional Supervisor
Department of Natural Resources
& Community Development
Division of Environmental Management
7225 Wrightsville Avenue
Wilmington, North Carolina 28403

Dear Mr. Wakild:

In accordance with instructions provided by Rick Shiver of your office, permit applications (Forms GW-22 and GW-22A) for two proposed wells at Camp Lejeune are attached for appropriate action. Also attached are drawings showing existing wells, site plans for proposed wells and plans for wells.

If you have any questions or require further assistance, please contact Mr. D. L. Southerland, Base Maintenance Division, telephone (919) 451-5161.

Sincerely,

J. T. MARSHALL
Colonel, U. S. Marine Corps
Base Maintenance Division
By direction of the Commanding General

Enclosures

especial manages to the reserve

24 7 76 . . . . . .

### APPLICATION FOR PERMIT TO CONSTRUCT A WELL

To:	NORTH CAROLINA ENVIRONMENTAL MANAGEMENT COM	MISSION 1	3 April	, 19 84
Gen	tlemen:			
a w	In accordance with the provisions of Articl th Carolina, and regulations pursuant thereto S. Marine Corps, Camp Lejeune, North Carolina (name of well owner) ell as described below and in the accompanyin lication.	, application for a	is hereby made permit to cons	by struct
(a)				
(b)	Location of Property Hadnot Point	Ca	amp Lejeune	Onslow
	(Road, Community, Sub	division, Lot	No. ) Town	County
(c)	Purpose of well Potable Water Supply			
(b)	Will proposed well replace an existing well	Yes (H.	P. 612)	
(e)	Total capacity of existing system: 5 MGI		gallons pe	r day
	Well No. Yield	Well No.	Yield	
	Diagram of Proposed Construction and Exist			
		TIIS WATER WELLS	, ne tached	
(1)	Proposed well:			
	Construction type Gravel Packed (open	end, screened.	gravel packed,	etc.)
			250 GPM	
			omplete April	85
(g)	Drilling Contractor: Carolina Well & Pump Co		mpreceApril	05
(h)				
<b>\</b> /	Location of Well: Provide a detailed map shand any wells in the existing system to at las roads, intersections, and streams. Identification numbers. Show all existing well,000 feet of the proposed well.	least two (2) r	nearby reference State Highway	e points such road
(i)	Well Construction Diagram: Provide a diagra	am showing prop	osed construct	ion
	specification. (See Form GW-22A)	U.S Marine Co		
	The Applicant hereby agrees the proposed	Marine Corps Camp Lejeune,	Base N.C. 28542	
	well will be constructed in accordance with approved specifications and conditions of the Well Construction Permit.		ress of Well O	wner (Require
	J. T. MARSHALL	Mail	ing Address of	Agent
Sign	ature of Well Owner or Agent			
rit1	Base Maintenance Officer	Daniera da		
		PERMIT NO.	issued	19

#### APPLICATION FOR PERMIT TO CONSTRUCT A WELL

To:	NORTH CAROLINA ENVIRONMENTAL MANAGEMENT COMM	ISSION 13 April , 19 84
Gen	tlemen:	
Nor U.	In accordance with the provisions of Article th Carolina, and regulations pursuant thereto, S. Marine Corps, Camp Lejeune, North Carolina	7, Chapter 87, General Statutes of application is hereby made by for a permit to construct
a wapp	(name of well owner) ell as described below and in the accompanying lication. Name of Property owner U. S. Marine Corps	
(b)	Location of Property Hadnot Point	Camp Lejeune Onslow
		ivision, Lot No. ) Town County
(c)	Purpose of well Potable Water Supply	
(q)	Will proposed well replace an existing well_	yes (H. P. 626)
(e)	Total capacity of existing system: 5 MGD	gallons per day
	Well No. Yield	Well No. Yield
Γ	Diagram of Proposed Construction and Existing Water	12. 10. 이렇게 보면 15. 15. 15. 15. 15. 15. 15. 15. 15. 15.
(f)	Proposed well:	
	Construction type Gravel Packed (open er	nd, screened, gravel packed, etc.)
	그 사람이 그렇게 되었다면 되었다고 되었다. 그 사람들은 사람들은 사람들은 사람들은 사람들은 사람들이 되었다.	ed Yield 250 GPM
	Estimated date of construction: Begin	
(g)	Drilling Contractor: Carolina Well & Pump Com	
(h)	Location of Well: Provide a detailed map sho and any wells in the existing system to at le as roads, intersections, and streams. Identification numbers. Show all existing wa 1,000 feet of the proposed well.	owing the location of the proposed well east two (2) nearby reference points such fy roads with State Highway road
(i)	Well Construction Diagram: Provide a diagram specification. (See Form GW-22A)	U. S. Marine Corps
	The Applicant hereby agrees the proposed well will be constructed in accordance with approved specifications and conditions of the Well Construction Permit.	Marine Corps Base Camp Lejeune, N.C. 28542 (Mailing Address of Well Owner (Require
		(Same)
A REST	1 T MADCHALL	N-474 A11
Sign	J. T. MARSHALL	Mailing Address of Agent
Sign	J. T. MARSHALL ature of Well Owner or Agent	Mailing Address of Agent
Sign		Mailing Address of Agent

DIAGRAM OF PROPOSED CONSTRUCTION SPECIFICATIONS Straight-Screened Gravel-Packed Well (Constructed in unconsolidated formations) \_\_\_land surface\_ Zinc A) Casing: Coated 1) Inner: Steel type 8" I. D. 28.55 lbs./ft. 200 ft. (depth) ft. (into rock) 2) Outer: Steel type 18" I. D. 70.59bs./ft. 50 ft. (depth) B) Cement: SEE ATTACHED DRAWING 1) Inner Casing: \_\_\_\_ft. to \_\_\_\_ft. 2) Outer Casing: \_\_\_\_ft. to \_\_\_\_ft.

s./ft.
o rock)
s./ft.
ft.

Rock

in. (size)

Rock

Open-End Wall

(Constructed in consolid-

ated formations)

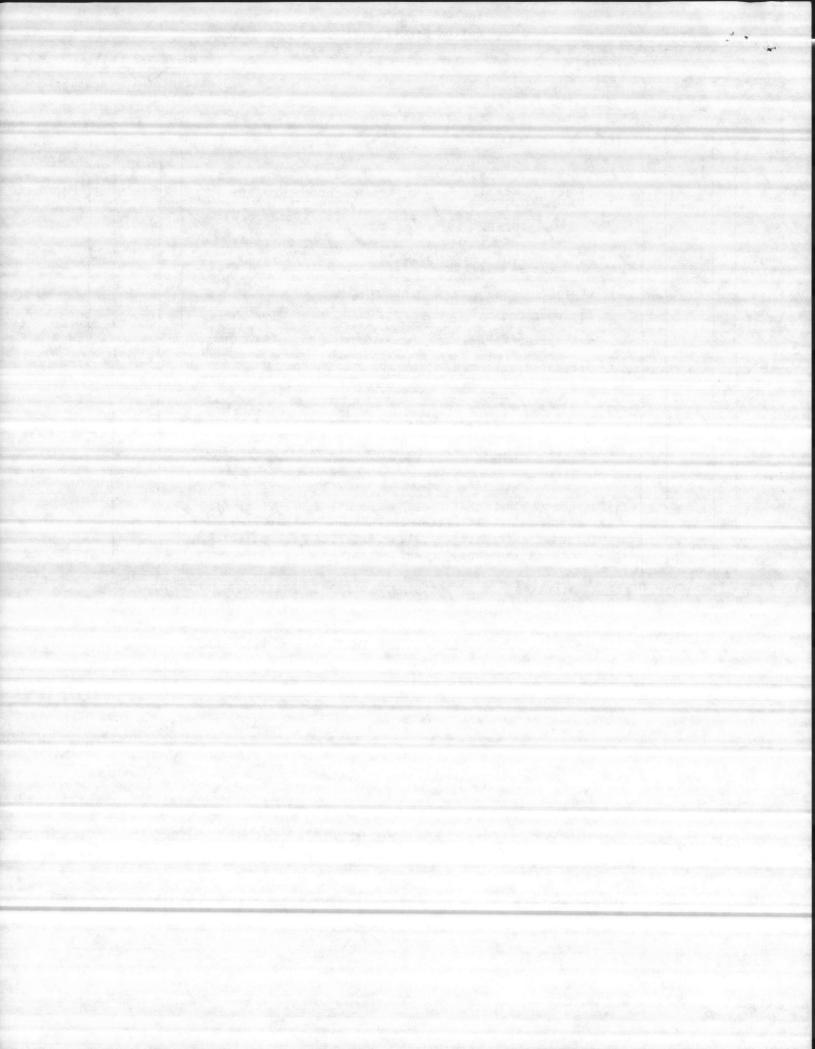
Location Diagram: (Previously prepared maps may be submitted provided they contain information required in item (g) of the application).

(Fill in each blank that applies and use appropriate diagram to show proposed construction including, but not limited to, casing (outer and inner), sealing material (cement, clay, etc.), packers, screens, gravel, chemical feed lines, etc.)

ft. to \_\_\_\_ft.
\_\_\_ft. to \_\_\_\_ft.

SEE ATTACHED DIAGRAM NAVFAC #4080706 FOR THE TWO PROPOSED WELLS.

C) Screen(s): A1S1-305 type 8" I. D.



Open-End Well

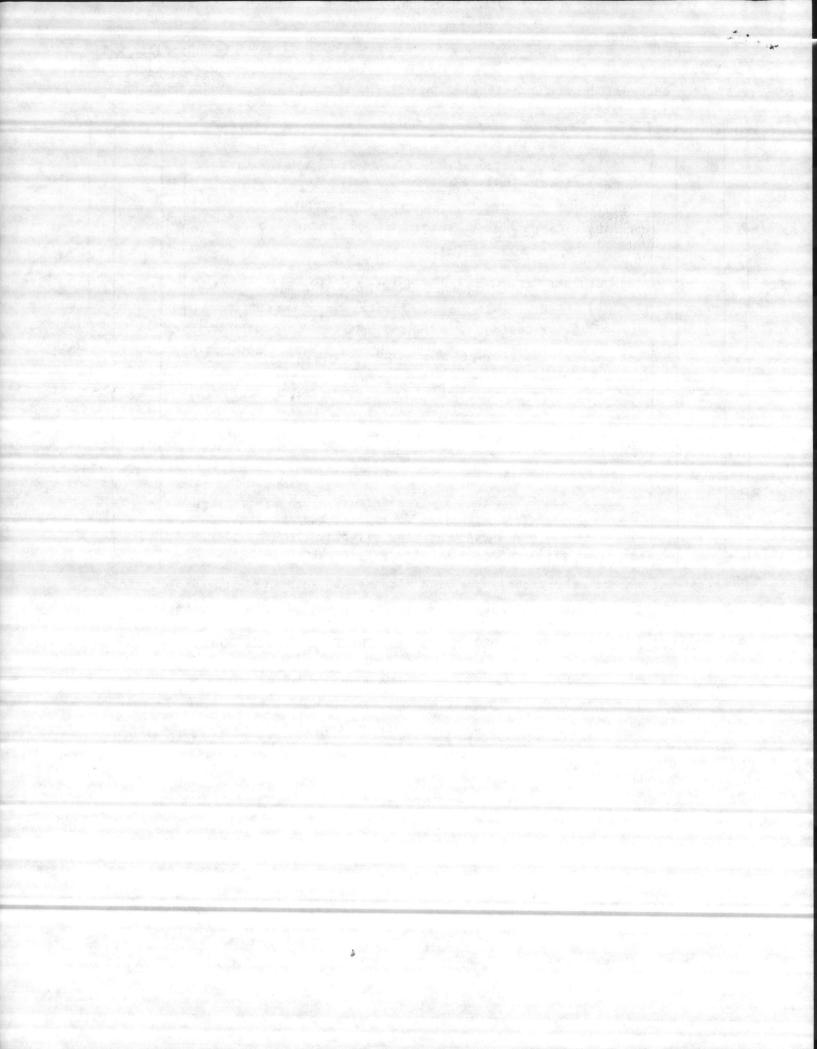
(Constructed in consolidated formations)

(Constructed in unconsolidated formations)

A)	Casing:	Zinc Coated							
	1) Inner:	Steel t	ype 8" I.	D. 28.55	lbs./f	t		100	
		200 f Black Steel t	t. (depth)type18" I.	ft. (i	nto ro	ck)			
B)	Cement:	SEE AT	TACHED DRAWII	NG					
			ft. t		_ft.				
	2) Outer	Casing:_	ft. t		_ft.77		me-	7/1	harr
c)	Screen(s)	: A1S1-3	305 type 8"	I. I	<b>.</b>	Rock	1	1	Rock
			ft. to	·	ft.				
			ft. to		_ft.				
D)	Gravel:		_:t. to	ft.		in.		1	
			and the second s			(size)			
o sh	ow propose	ed const	at applies and ruction include r), sealing ma	ding, but aterial (	not li	mited to	,		

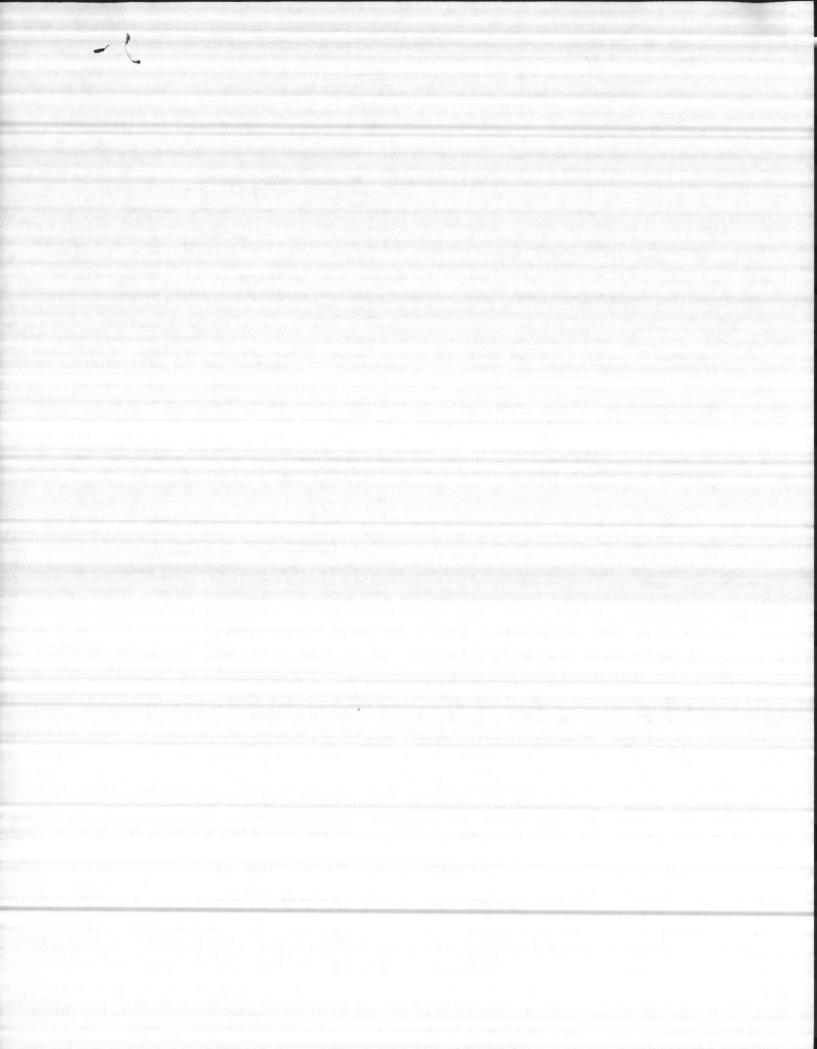
<u>location Diagram</u>: (Previously prepared maps may be submitted provided they contain information required in item (g) of the application).

SEE ATTACHED DIAGRAM NAVFAC #4080706 FOR THE TWO PROPOSED WELLS.





	ATTECATION TON PENTIT TO C			and the state of t
To:	NORTH CAROLINA ENVIRONMENTAL MANAGEMENT COM	MISSION	16 September	, 1980
Nor U. a w app (a)	In accordance with the provisions of Article th Carolina, and regulations pursuant thereto S. Marine Corps, Camp Lejeune, North Carolina (name of well owner) ell as described below and in the accompanyin lication.  Name of Property owner U.S. Marine Corps Location of Property Marine Corps Air St	g data su	for a permit to bmitted as a particular to the company of the comp	made by construct art of this
	(Road, Community, Sub-	division,	Lot No. ) To	eieune Onslow own County
(d)	HE TEXAS CONTROLLED TO BE SEED AND TEXAS CONTROLLED AND SEED AND SEED AND CONTROL OF A SEED AND SEED	Yes		
(e)			00116	ons per day
	Well No. Yield	Well No		eld
	Diagram of Proposed Construction and Existing			
(f)	Proposed well:			
(f)	Construction typeGravel Packed (open e	end, scree	ned, gravel pa	cked, etc.)
	Construction typeGravel Packed (open e Estimated depth 200 ft Estimate Estimated date of construction: Begin	ed Yield_ Oct-80	250 GPM	And the second second
	Construction typeGravel Packed (open e Estimated depth 200 ft Estimate Estimated date of construction: Begin	ed Yield_ Oct-80	250 GPM	And the second second
(g)	Construction type Gravel Packed (open extended depth 200 ft Estimate Estimated date of construction: Begin Drilling Contractor: Carolina Well & Pump Contraction of Well: Provide a detailed map shand any wells in the existing system to at 1 as roads, intersections, and streams. Identification numbers. Show all existing wells in the contraction of the con	oct-80  ompany  owing the east two	250 GPM  Complete 0  location of the complete	he proposed well erence points suc
(g) (h)	Construction typeGravel Packed (open extended depth 200 ft Estimate Estimated date of construction: Begin Drilling Contractor: Carolina Well & Pump Contraction of Well: Provide a detailed map shand any wells in the existing system to at 1 as roads, intersections, and streams Identicated the streams of the streams Identicated the streams of the stream o	ompany owing the east two ify roads ater suppl	Complete 0  location of the complete of the co	he proposed well erence points suc ghway road n a radius of
(g) (h)	Construction type Gravel Packed (open extended depth 200 ft Estimate Estimated date of construction: Begin Drilling Contractor: Carolina Well & Pump Contraction of Well: Provide a detailed map shand any wells in the existing system to at 1 as roads, intersections, and streams. Identification numbers. Show all existing well,000 feet of the proposed well.  Well Construction Diagram: Provide a diagram	oct-80  ompany  owing the east two ify roads ater supplements of the second of the sec	Complete 0  location of the complete of the co	he proposed well erence points suc ghway road n a radius of truction
(g) (h)	Construction type Gravel Packed (open extended depth 200 ft Estimate Estimated date of construction: Begin Drilling Contractor: Carolina Well & Pump Contractor: Segment & Pump Contractor: Identification of the Well Construction Diagram: Provide a diagram specification. (See Form GW-22A)  The Applicant hereby agrees the proposed well will be constructed in accordance with approved specifications and conditions of the Well Construction Permit.	oct-80  ompany  owing the east two ify roads ater supplements of the second of the sec	Complete O  location of ti (2) nearby refi with State Highy wells within proposed constarine Corps Corps jeune, N. C. 2 Address of We	he proposed well erence points suc ghway road n a radius of truction  28542
(g) (h) (i)	Construction type Gravel Packed (open extended depth 200 ft Estimate Estimated date of construction: Begin Drilling Contractor: Carolina Well & Pump Contraction of Well: Provide a detailed map shand any wells in the existing system to at 1 as roads, intersections, and streams. Identification numbers. Show all existing well, 000 feet of the proposed well.  Well Construction Diagram: Provide a diagram specification. (See Form GW-22A)  The Applicant hereby agrees the proposed well will be constructed in accordance with approved specifications and conditions of	oct-80  ompany  owing the east two ify roads ater supplements of the second of the sec	Complete 0  location of the complete of the co	he proposed well erence points suc ghway road n a radius of truction  28542
(g) (h) (i)  K. igna	Construction typeGravel Packed (open extinated depth 200 ft Estimate Estimated date of construction: Begin Drilling Contractor: Carolina Well & Pump Controlling System to at 1 as roads, intersections, and streams. Identification numbers. Show all existing well controlling the proposed well.  Well Construction Diagram: Provide a diagram specification. (See Form GW-22A)  The Applicant hereby agrees the proposed well will be constructed in accordance with approved specifications and conditions of the Well Construction Permit.  P. MILLICE, JR., COLONEL, USMC ture of Well Owner or Agent	oct-80  ompany  owing the east two ify roads ater supplements of the second of the sec	Complete 0  Complete 0  location of the complete of the comple	he proposed well erence points such such a radius of truction  28542 ell Owner (Required as of Agent



Open-End Well

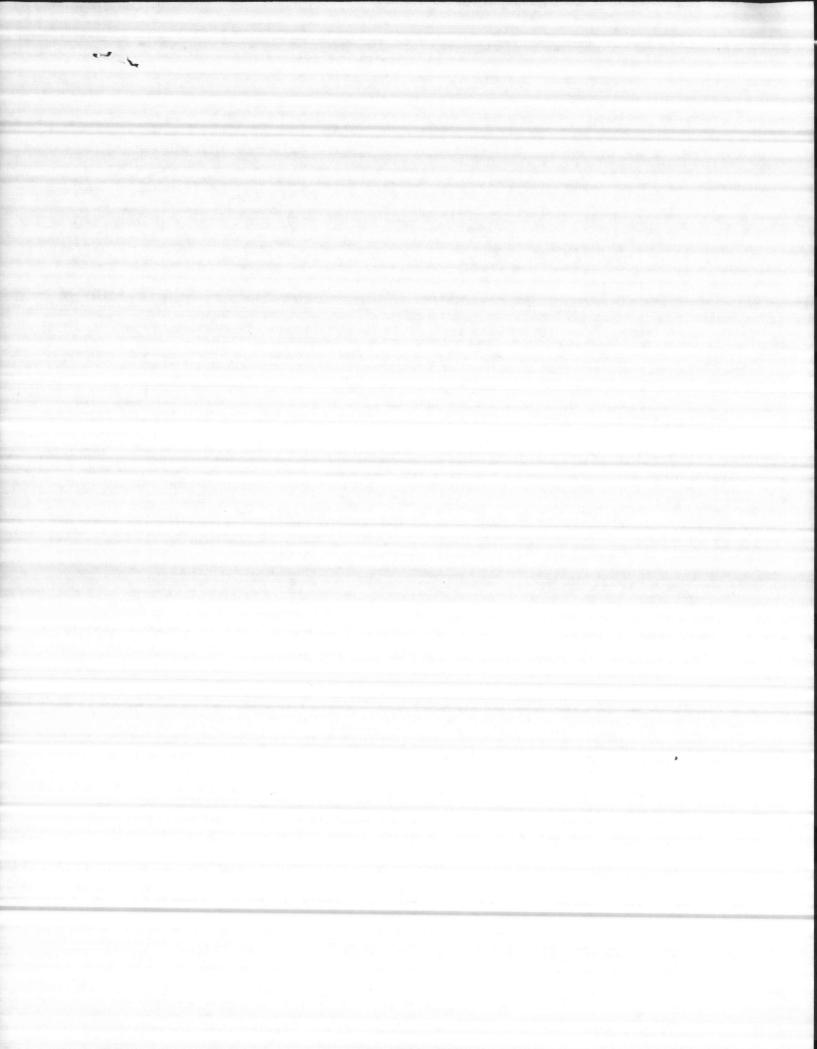
(Constructed in consolidated formations)

(Constructed in unconsolidated formations)

	land surface
	A) Casing: Coated 1) Inner: Steel type 8" I. D. 2855 lbs./ft.
	200 ft. (depth) ft. (into rock) 2) Outer: Steel type 18" I. D. 70.59 lbs./ft. 50 ft. (depth)
	B) Cement:
	1) Inner Casing:ft. toft. 2) Outer Casing:ft. toft.
	C) Screen(s): A1S1-304 type 8" I. D. ft. toftft. toft.
	D) Gravel:
And the first an	(Fill in each blank that applies and use appropriate diagram to show proposed construction including, but not limited to, casing (outer and inner), sealing material (cement, clay, etc.), packers, screens, gravel, chemical feed lines, etc.)
Location	Diagram: (Previously prepared maps may be submitted provided they con-

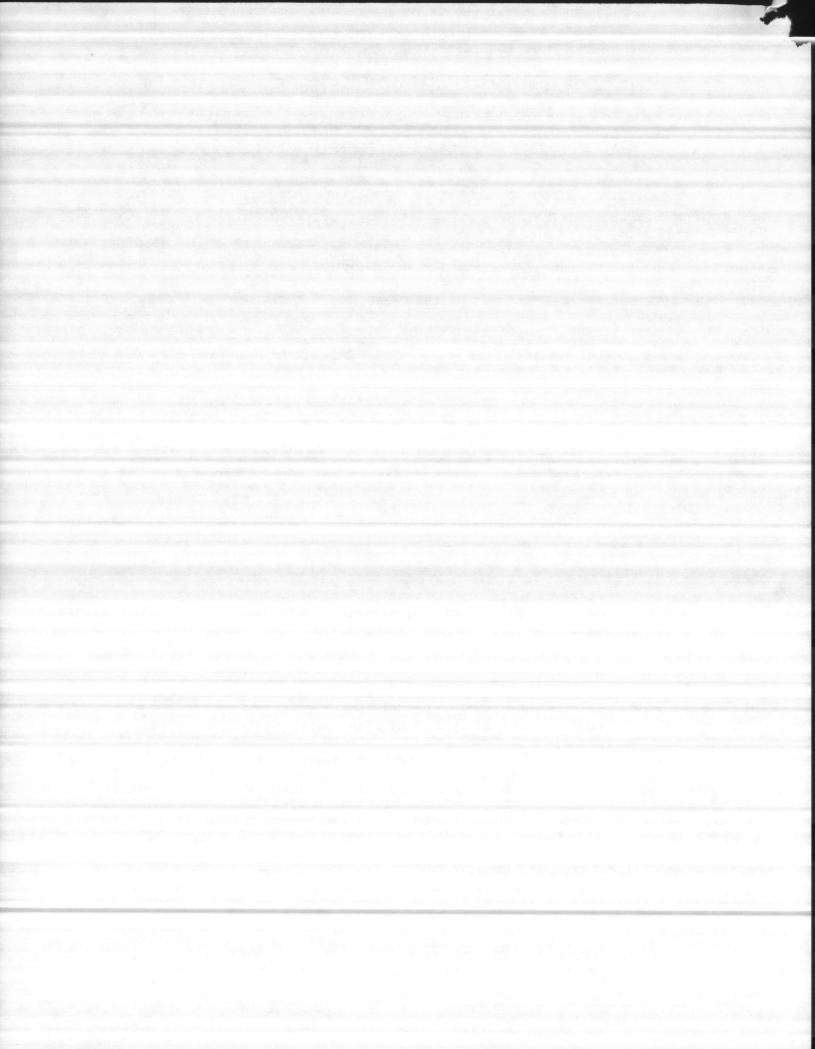
tain information required in item (g) of the application).

SEE ATTACHED DIAGRAM NAVFAC #4049524 FOR THE FOUR PROPOSED WELLS.



#### APPLICATION FOR PERMIT TO CONSTRUCT A WELL

_				
To:	NORTH CAROLINA ENVIRONMENTAL MANAGEMENT COMM	ISSION	21 June	, 19 83
Gen	tlemen:			v. i e e e e e e e e e e e e e e e e e e
Nort	In accordance with the provisions of Article th Carolina, and regulations pursuant thereto, S. Marine Corps, Camp Lejeune, North Carolina	application	87, General Stands is hereby made a permit to con	e by
a we app!	(name of well owner) ell as described below and in the accompanying lication. Name of Property owner U.S. Marine Corps	data submi	tted as a part o	of this
(b)	Location of Property Courthouse Bay		Camp Lejeune	Onslow
(c)	(Road, Community, Subd	ivision, Lo	t No. ) Town	County
(d)	Will proposed well replace an existing well	Yes BB-4	10	
(e)	Total capacity of existing system: 0.60 MG		gallons	per day
	Well No. Yield	Well No.	Yield	
	Diagram of Proposed Construction and Existing W			
(f)	Proposed well:			Anna ann an Anna
	Construction type Gravel Packed (open e	nd, screened	d, gravel packed	i, etc.)
	Estimated depth 200 ft Estimat	ed Yield 2	50 GPM '	
	Estimated date of construction: Begin Ma	rch-83	Complete Mar	ch-84
(g)	Drilling Contractor: Carolina Well & Pump Com	pany		
(h)	Location of Well: Provide a detailed map sh and any wells in the existing system to at 1 as roads, intersections, and streams. Ident identification numbers. Show all existing w 1,000 feet of the proposed well.	east two (2)	) nearby referentith State Highwa	ice points suc ay road
(i)	Well Construction Diagram: Provide a diagra specification. (See Form GW-22A)	U. S. Mari	ne Corps	tion
	The Applicant hereby agrees the proposed well will be constructed in accordance with approved specifications and conditions of the Well Construction Permit.		ne. N.C. 28542 Address of Well	Owner (Requir
	Sie waa constiteath redikt.	(SAME)		
	T. MARSHALL, COLONEL, USMC	Ma	ailing Address o	or Agent
orga	ature of Well Owner or Agent			
	Istant Chief of Staff, Facilities			
Title		PERMIT NO	issued_	19 -



Open-End Well

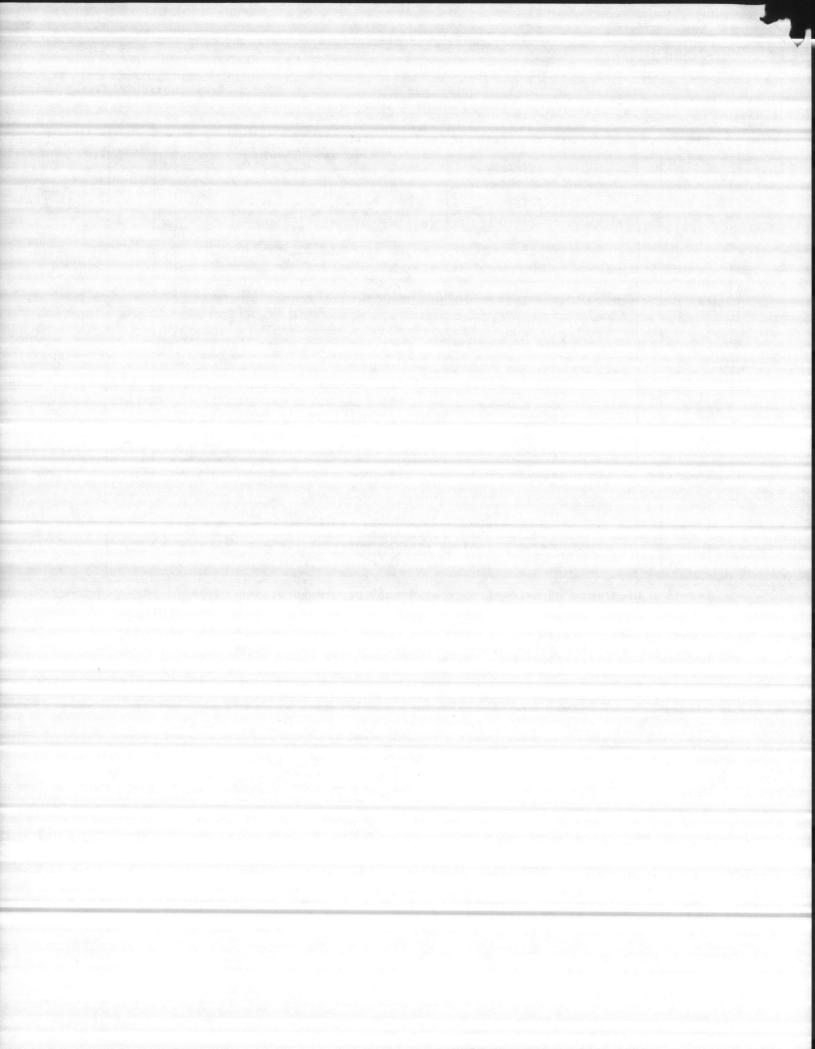
(Constructed in consolidated formations)

(Constructed in unconsolidated formations)

Zinc
asing: Coated
) Inner: Steel type 8" . I. D. 28.55 lbs./ft.
200 ft. (depth)ft. (into rock) Black ) Outer: Steel type 18" I. D. 70.59 lbs./ft. 50 ft. (depth)
ement: SEE ATTACHED DRAWING
) Inner Casing:ft. toft.
) Outer Casing:ft. toft. minimum. Rock Rock
creen(s): A1S1-304type 8" I. D.
ft. toft.
ft. toft.
avel:it. toftin(size)
in each blank that applies and use appropriate diagram v proposed construction including, but not limited to, (outer and inner), sealing material (cement, clay, packers, screens, gravel, chemical feed lines, etc.)

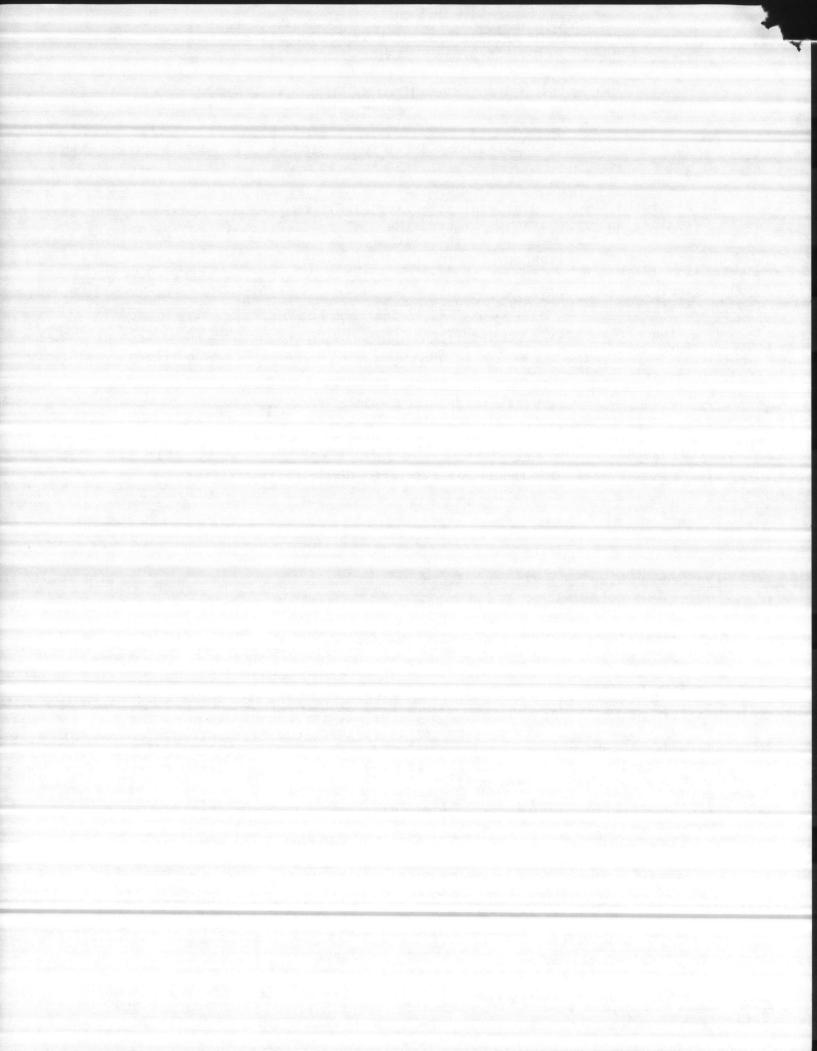
Location Diegram: (Previously prepared maps may be submitted provided they contain information required in item (g) of the application).

SEE ATTACHED DIAGRAM NAVFAC #4080706 FOR THE THREE PROPOSED WELLS.



#### APPLICATION FOR PERMIT TO CONSTRUCT A WELL

To:	NORTH CAROLINA ENVIRONMENTAL MANAGEMENT COMM	ISSION 21 June	, 19 83
Gen	tlemen:	1331011	, 19
Nort	In accordance with the provisions of Article th Carolina, and regulations pursuant thereto, S. Marine Corps, Camp Lejeune, North Carolina	7, Chapter 87, General application is hereby for a permit to	made by
app.	(name of well owner) ell as described below and in the accompanying lication. Name of Property owner U. S. Marine Corps	data submitted as a p	eart of this
(b)			Lejeune Onslow
(-)	(Road, Community, Subd	ivision, Lot No. ) T	own County
(c)	Purpose of well Potable Water Supply		
(d)	Will proposed well replace an existing well_	Yes M-168	
(e)	Total capacity of existing system: 0.75 MGD	gall	ons per day
	Well No. Yield  Diagram of Proposed Construction and Existing W		eld
		nd, screened, gravel p	acked, etc.)
	Estimated date of construction: Begin Ma		erch=84
(g)			
	Location of Well: Provide a detailed map shand any wells in the existing system to at leas roads, intersections, and streams. Identification numbers. Show all existing wal,000 feet of the proposed well.	owing the location of east two (2) nearby related the East two East with State H	ference points suc
(i)	Well Construction Diagram: Provide a diagram specification. (See Form GW-22A)	U. S. Marine Corps	struction
	The Applicant hereby agrees the proposed well will be constructed in accordance with	Marine Corps Base Camp Lejeune, N.C. 28 (Mailing Address of	
	approved specifications and conditions of the Well Construction Permit.	(SAME)	
	, MARSHALL, COLONEL, USMC	Mailing Addr	ess of Agent
ign	ature of Well Owner or Agent		
ssis	stant Chief of Staff, Facilities	PERMIT NO. iss	



Open-End Well

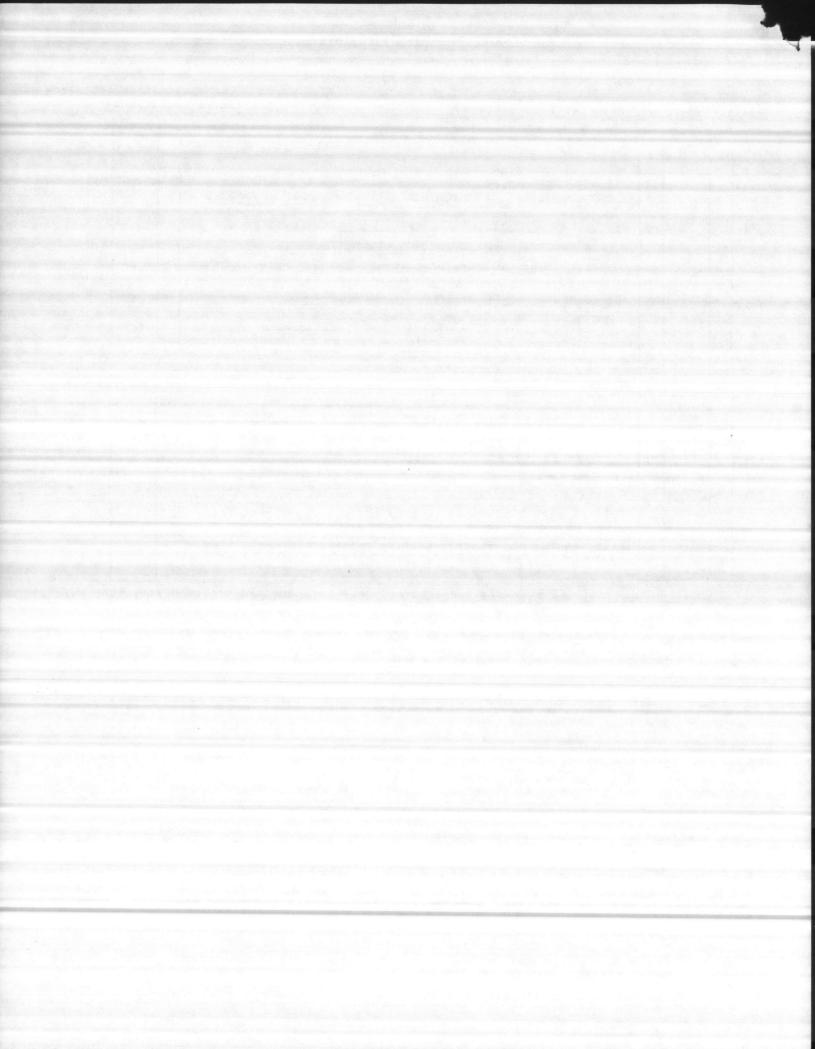
(Constructed in consolidated formations)

(Constructed in unconsolidated formations)

7	land surface
	A) Casing: Zinc Costed 1) Inner:Steel type 8". I. D. 28.55 lbs./ft.
	200 ft. (depth) ft. (into rock)  Black 2) Outer: Steel type 18" I. D. 70.59 lbs./ft.  50 ft. (depth)
	B) Cement: SEE ATTACHED DRAWING
	1) Inner Casing: ft. to ft.
	Rock Rock
	C) Screen(s): A1S1-304type 8" I. D.
	ft. toftft. toft.
	D) Gravel:
	(Fill in each blank that applies and use appropriate diagram to show proposed construction including, but not limited to, casing (outer and inner), sealing material (cement, clay, etc.), packers, screens, gravel, chemical feed lines, etc.)

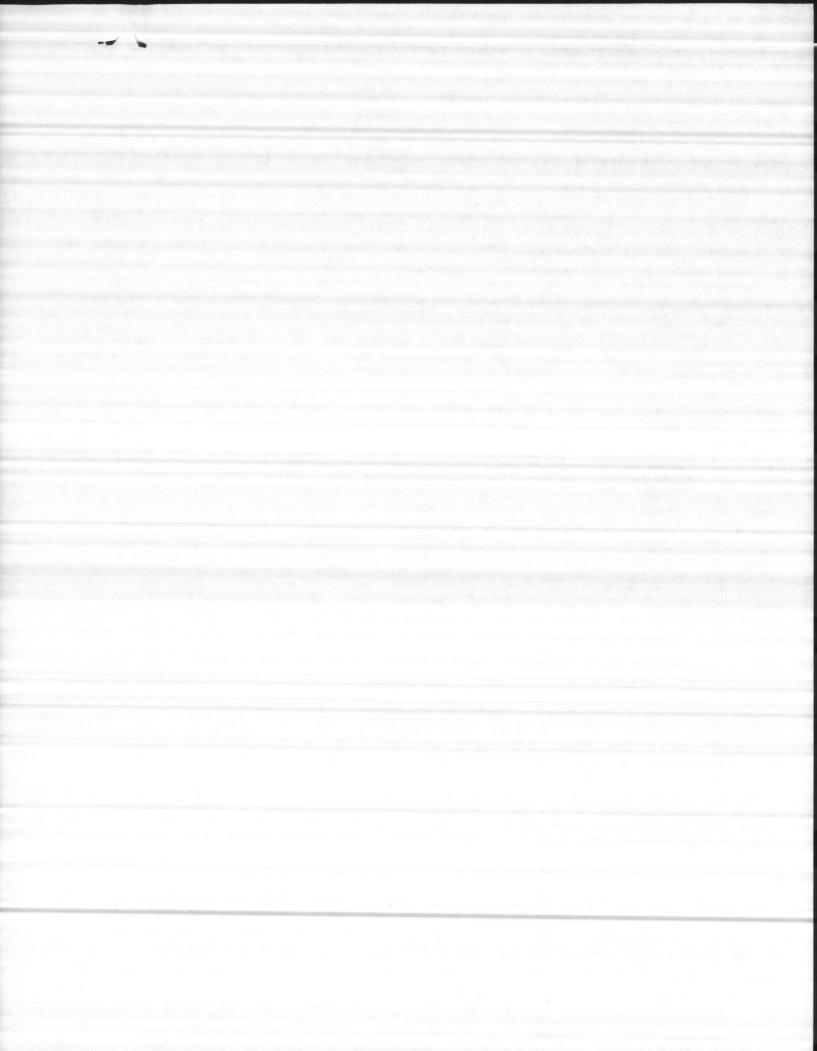
Location Diegram: (Previously prepared maps may be submitted provided they contain information required in item (g) of the application).

SEE ATTACHED DIAGRAM NAVFAC 4080706 FOR THE THREE PROPOSED WELLS.



#### APPLICATION FOR PERMIT TO CONSTRUCT A WELL

	THE CONTROL TON TENTIL TO CO	MOTROCI A MELL
To:	NORTH CAROLINA ENVIRONMENTAL MANAGEMENT COM	MISSION 16 September , 1980
Gen	tlemen:	
a we	In accordance with the provisions of Article th Carolina, and regulations pursuant thereto, J. S. Marine Corps, Camp Lejeune, North Carolina (name of well owner) ell as described below and in the accompanying lication.  Name of Property owner U. S. Marine Corp	for a permit to construct data submitted as a part of this
	Location of Property Tarawa Terrace	Camp Lejeune Onslow
		ivision, Lot No. ) Town County
(c)	Purpose of well Potable Water Supply	e attimite to the contract of
(d)	Will proposed well replace an existing well	Yes
(e)	Total capacity of existing system: 1 MGD	gallons per day
	Well No. Yield	Well No. Yield
	Diagram of Proposed Construction and Existing	
(f)	Proposed well:	
	Construction type Gravel Packed (open e	
	지도도 그는 것이 많은 이후 그는 이상은 생각이 가려워 하는 것이 하면 하게 되었다면 하게 되었다면 하게 되었다.	ed Yield 250 GPM
	Estimated date of construction: Begin 0	
(g)	Drilling Contractor: Carolina Well & Pump C	
(h)	Location of Well: Provide a detailed map she and any wells in the existing system to at least roads, intersections, and streams. Identification numbers. Show all existing well,000 feet of the proposed well.	east two (2) nearby reference points such ify roads with State Highway road
(i)	Well Construction Diagram: Provide a diagram specification. (See Form GW-22A)	U. S. Marine Corps
	The Applicant hereby agrees the proposed well will be constructed in accordance with approved specifications and conditions of the Well Construction Permit.	Marine Corps Base Camp Lejeune, N. C. 28542 (Mailing Address of Well Owner (Require U. S. MARINE CORPS Marine Corps Base Camp Lejeune, N. C. 28542
Κ.	P. MILLICE, Jr., COLONEL, USMC	Mailing Address of Agent
	ature of Well Owner or Agent	
As	sistant Chief of Staff, Facilities	Proved vo
. + - + 5		PERMIT NO. issued 19



Open-End Well

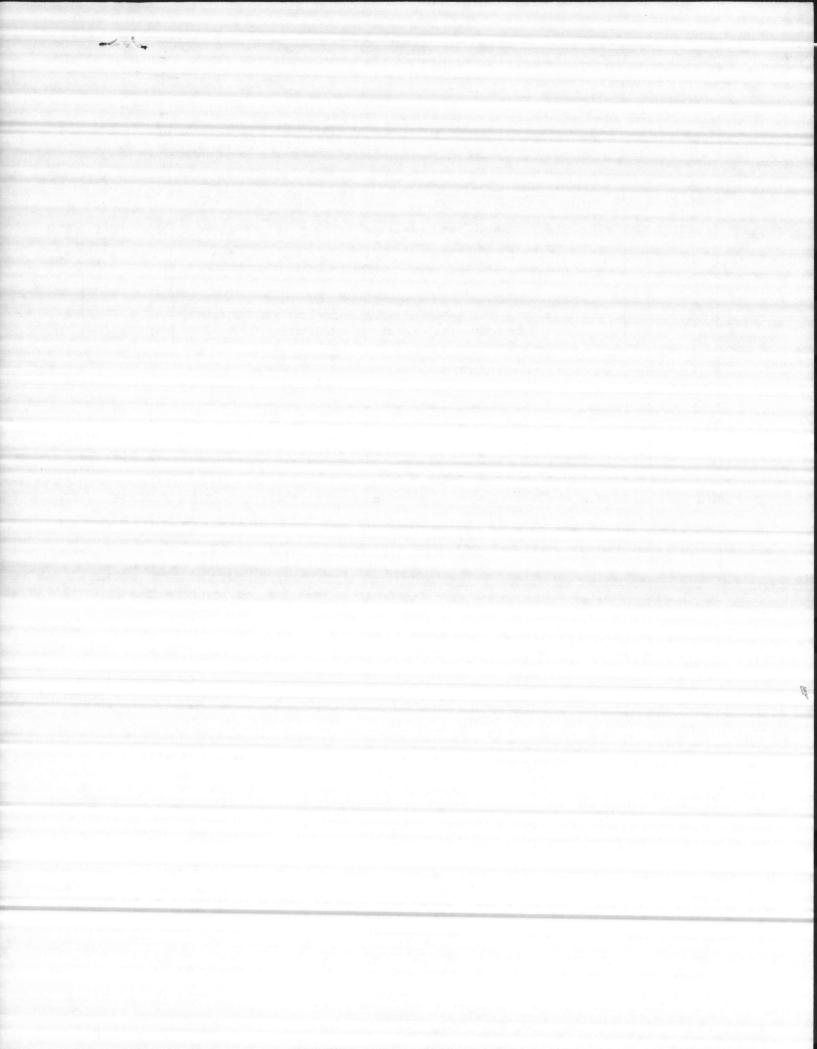
(Constructed in consolidated formations)

(Constructed in unconsolidated formations)

land surface
A) Casing: Zinc Coated 1) Inner: Steel type 8" I. D. 2855 lbs./ft.
200 ft. (depth) ft. (into rock) 2) Guter: Steel type 18" I. D.70.59 lbs./ft. 50 ft. (depth)
B) Cement:
1) Inner Casing: ft. to ft.
2) Outer Casing:ft. toft.nnnnnnn
C) Screen(s): A1S1-304 type 8" I. D. Rock
ft. to ft.
ft. toft.
D) Gravel:
(Fill in each blank that applies and use appropriate diagram to show proposed construction including, but not limited to, casing (outer and inner), sealing material (cement, clay, etc.), packers, screens, gravel, chemical feed lines, etc.)

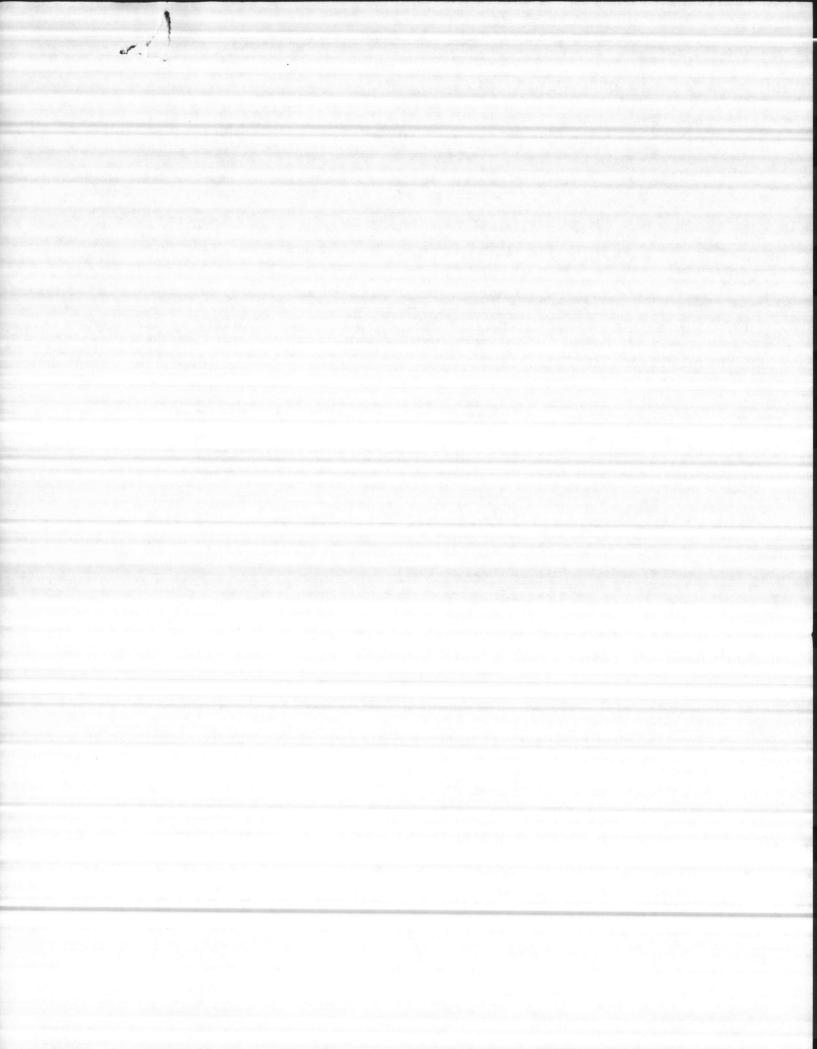
tain information required in item (g) of the application).

SEE ATTACHED DIAGRAM NAVFAC #4049524 FOR THE FOUR PROPOSED WELLS.



### APPLICATION FOR PERMIT TO CONSTRUCT A WELL

To: NORTH CAROLINA ENVIRONMENTAL MANAGEMENT Gentlemen:	COMMISSION 16 September , 19 80
In accordance with the provisions of Art North Carolina, and regulations pursuant there U. S. Marine Corps, Camp Lejeune, North Carolin (name of well owner)  a well as described below and in the accordance	na for a permit to construct
a well as described below and in the accompany application.  (a) Name of Property owner U. S. Marine Corp.	
(b) Location of Property Hadnot Point	
(c) Purpose of well Potable Water Supply	the entropy that the second control of the s
(d) Will proposed well replace an existing we	ell Yes
(e) Total capacity of existing system: 5	
Well No. Yield	5-1-1-1
Diagram of Proposed Construction and Existing	####
(f) Proposed well:  Construction type Gravel Packed (ope Estimated depth 200 ft Esti	n end, screened, gravel packed, etc.) mated Yield 250 GPM
Estimated date of construction: Begin	2- 02
(g) Drilling Contractor: Carolina Well & Pum	n Company
(h) Location of Well: Provide a detailed map	showing the location of the proposed well t least two (2) nearby reference points suc
<ul><li>(i) Well Construction Diagram: Provide a diag specification. (See Form GW-22A)</li></ul>	U. S. Marine Corps
The Applicant hereby agrees the proposed well will be constructed in accordance win approved specifications and conditions of the Well Construction Permit.	Marine Corps Base  Camp Lejeune, N. C. 28542  (Mailing Address of Well Owner (Require
of T marshall	(SAME)
K. P. Millice, Jr., Col, USMC ignature of Well Owner or Agent	Mailing Address of Agent
owner or agent	
Assistant Chief of Staff, Facilities	
itle	PERMIT NO. issued 19



### DIAGRAM OF PROPOSED CONSTRUCTION SPECIFICATIONS

Straight-Screened or Gravel-Packed Well

Open-End Well

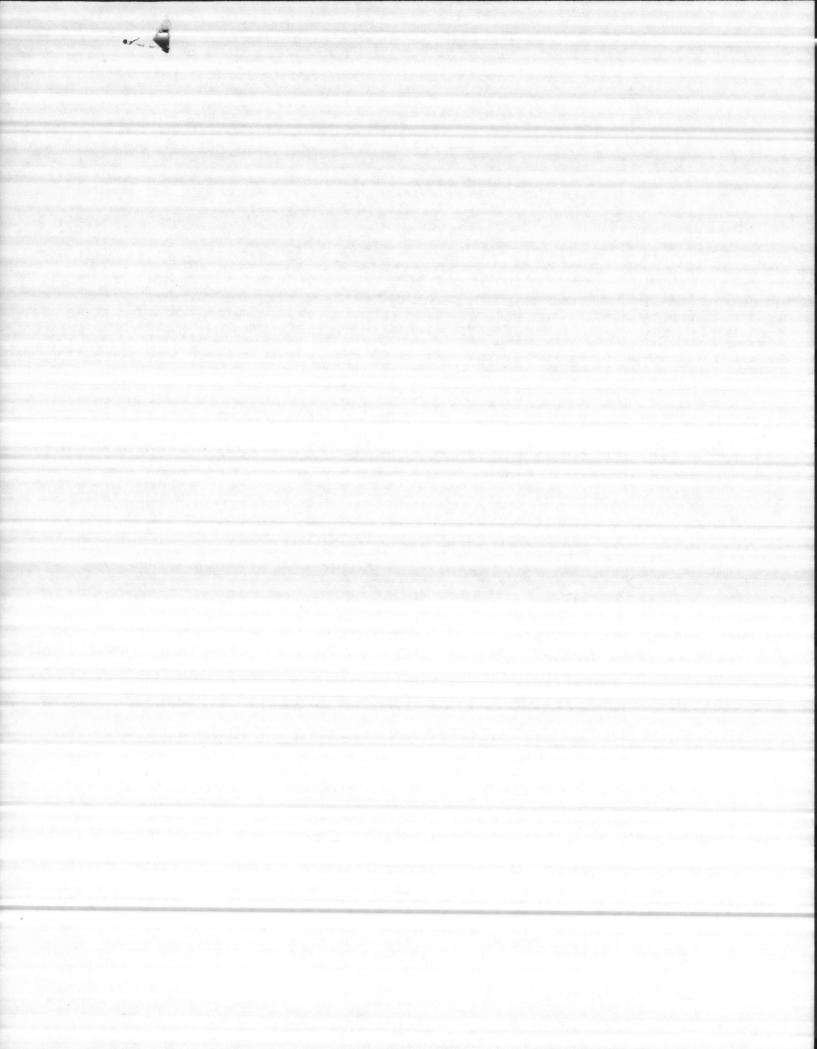
(Constructed in consolidated formations)

Gravel-Packed Well
(Constructed in unconsolidated formations)

	land surface
t con annua en even	A) Casing: Zinc Coated 1) Inner: Steel type 8" I. D. 2855 lbs./ft.
	200 ft. (depth) ft. (into rock)  2) Outer: Steel type 18" I. D. 70.59 lbs./ft.  50 ft. (depth)
and the same of th	B) Cement:
4223	1) Inner Casing: ft. to ft.
	2) Outer Casing:ft. toft.morroway
A TOTAL CONTRACTOR OF THE PARTY	C) Screen(s): AlS1-304type 8" I. D. ft. toft.
	ft. toft.
	D) Gravel:it. toftin(size)
	(Fill in each blank that applies and use appropriate diagram to show proposed construction including, but not limited to, casing (outer and inner), sealing material (cement, clay, etc.), packers, screens, gravel, chemical feed lines, etc.)
location	Diagram (Descion)

Location Diagram: (Previously prepared maps may be submitted provided they contain information required in item (g) of the application).

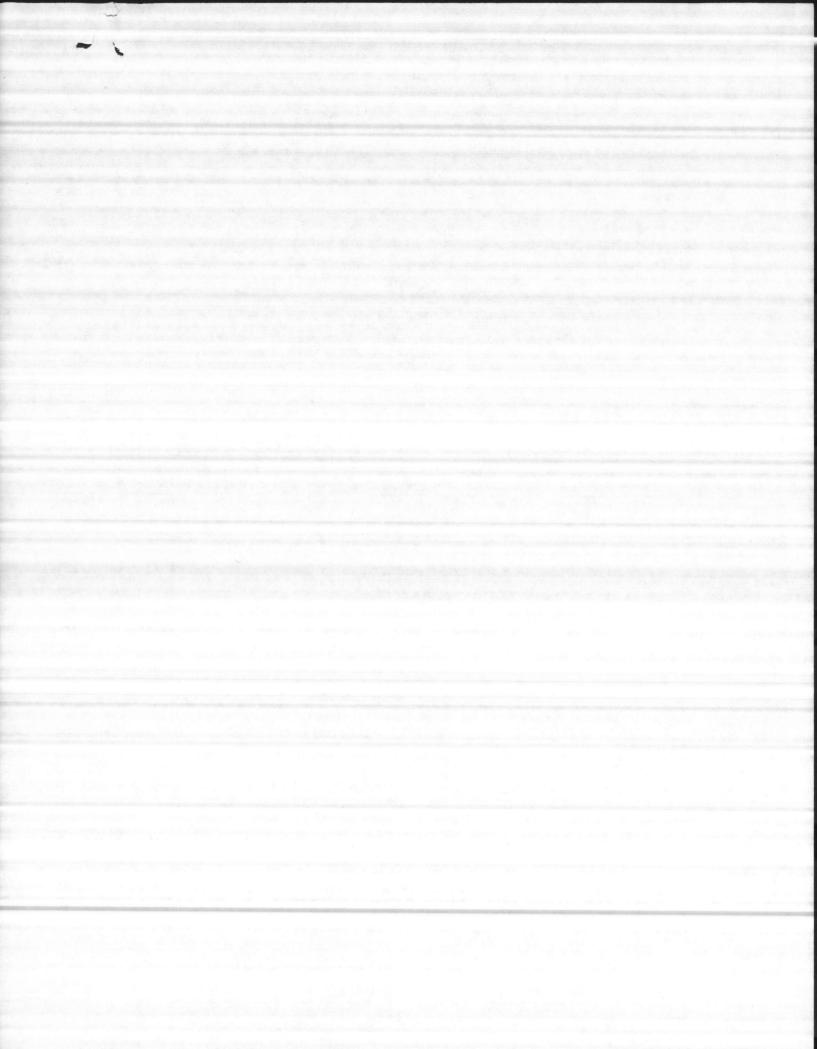
SEE ATTACHED DIAGRAM NAVFAC #4049524 FOR THE FOUR PROPOSED WELLS.





### APPLICATION FOR PERMIT TO CONSTRUCT A WELL

To:	NORTH CAROLINA ENVIRONMENTAL MANAGEMENT COM	MISSION 16 September	. 1980
Gen	tlemen:		
Nor U.	In accordance with the provisions of Article th Carolina, and regulations pursuant thereto S. Marine Corps, Camp Lejeune, North Carolina (name of well owner)	2221	•
a w	ell as described below and in the accompanying lication.  Name of Property owner U. S. Marine Corps		
(b)	Location of Property Montford Point	CAB Camp Lejeun	e Onslow
(c)	(Road, Community, Subo	division, Lot No. ) Town	County
(d)	Will proposed well replace an existing well	Yes	
(e)	Total capacity of existing system: 0.75 M	GD 0.40 gallons pe	r day
	Well No. Yield	Well No. Yield	
	Diagram of Proposed Construction and Existing	Water Wells Attached.	
(f)	Construction type Gravel Packed (open e	nd, screened, gravel packed, ed Yield 250 GPM	etc.)
	Estimated date of construction: Begin 0	ct-80 Complete Oct-81	6 6 6 3
(g)	Drilling Contractor: Carolina Well & Pump	Company	
(h)	Location of Well: Provide a detailed map showing the location of the proposed well and any wells in the existing system to at least two (2) nearby reference points suc as roads, intersections, and streams. Identify roads with State Highway road identification numbers. Show all existing water supply wells within a radius of 1,000 feet of the proposed well.		
i)	Well Construction Diagram: Provide a diagram specification. (See Form GW-22A)	U. S. Marine Corps	ion
	The Applicant hereby agrees the proposed well will be constructed in accordance with	Marine Corps Base Camp Lejeune, N. C. 28542 (Mailing Address of Well Ow	mer (Require
8	approved specifications and conditions of the Well Construction Permit. T Marshalf	(SAME)	
igna	P. MILLICE, JR., COLONEL, USMC	Mailing Address of	Agent
Ass	sistant Chief of Staff, Facilities		
itle		PERMIT NO. issued	19



Open-End Well
(Constructed in consolidated formations)

(Constructed in unconsolidated formations)

	land surface
	A) Casing: Zinc Coated 1) Inner: Steel type 8" I. D. 2855 lbs./ft.  200 ft. (depth) ft. (into rock) 2) Outer: Steel type 18" I. D.70.59 lbs./ft. 50 ft. (depth)
	B) Cement:  1) Inner Casing:ft. toft.  2) Outer Casing:ft. toft./////////////////////////////////
	O) Gravel:it. toftin(size)
to	show proposed construction including, but not limited to, sing (outer and inner), sealing material (cement, clay, c.), packers, screens, gravel, chemical feed lines, etc.)

Location Diagram: (Previously prepared maps may be submitted provided they contain information required in item (g) of the application).

SEE ATTACHED DIAGRAM NAVFAC #4049524 FOR THE FOUR PROPOSED WELLS. +080706

