

FILE FOLDER

DESCRIPTION ON TAB:

New Well RB-97

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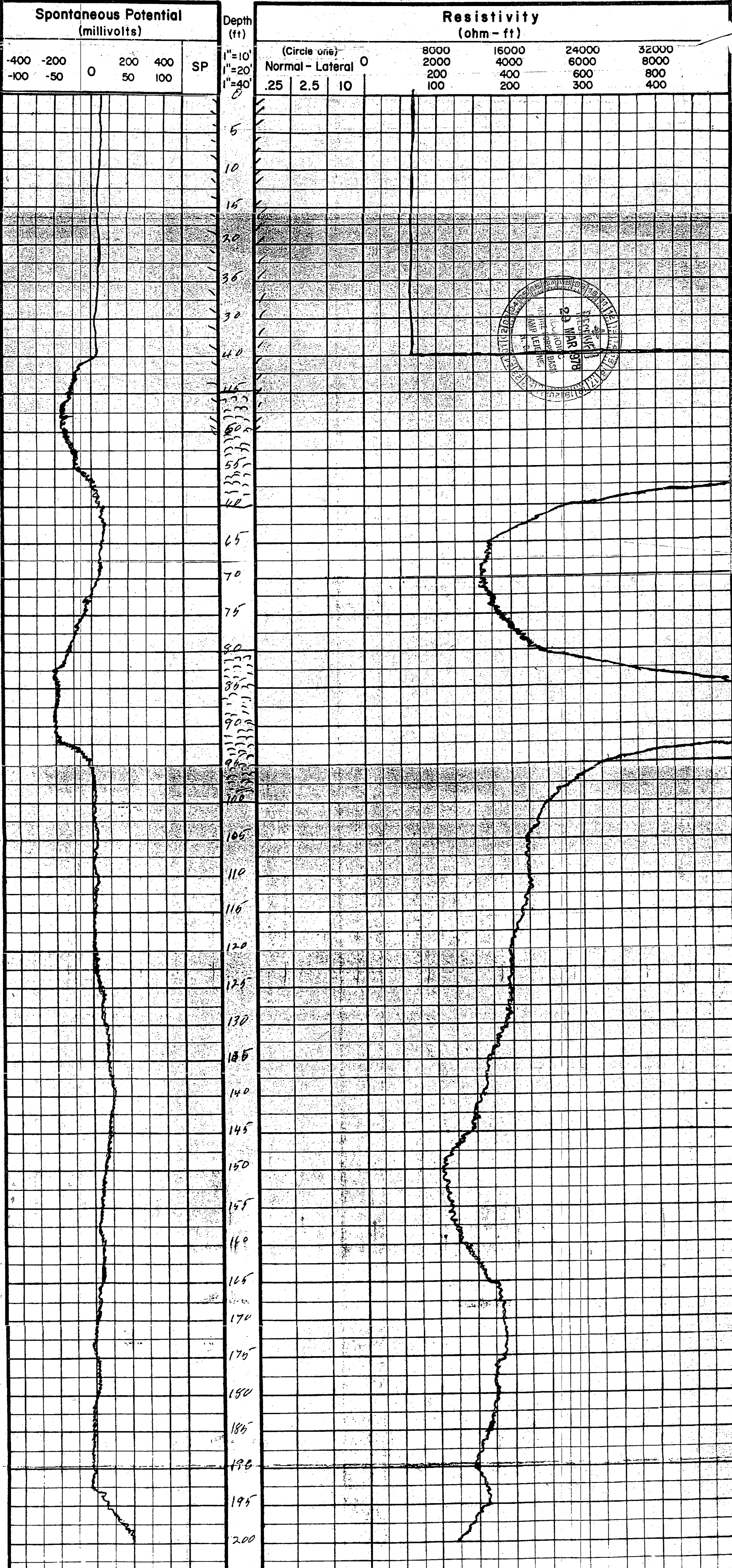
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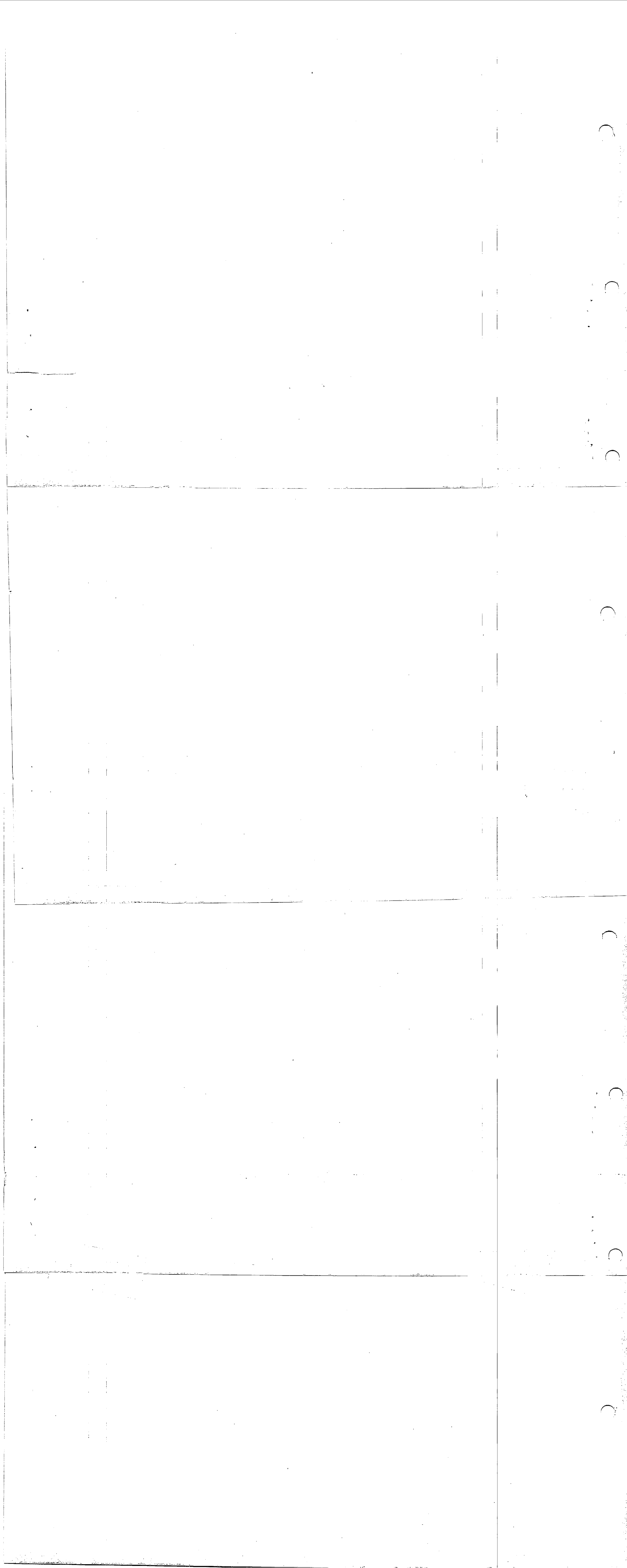
EAST COAST CONSTRUCTION CO., INC.
 CONTRACT N62470-76-6799
 REPLACE FOUR WATER WELLS
 MARINE CORPS BASE
 CAMP LEJUENE, NC

ELECTRIC LOG BY

JOHNSON-KECK™ DR-61 ELECTRICAL LOGGING SYSTEM

Well # RR 97 Owner Camp Lejeune
 Location Rifle Range Date 12-14-77
 Borehole depth _____ ft. dia. _____ in. Casing depth _____ ft. dia. _____ in.
 Mud resistivity _____ temperature _____ F
 viscosity _____ sec weight _____ lb/gal type _____
 Measuring point _____ ft. above/below ground level
 Fluid level in hole _____ ft. Other logs _____
 Driller C.W. Brinkley E-log operator C.W. Brinkley





EAST COAST CONSTRUCTION CO., INC.
 CONTRACT N62470-76-C-6799
 REPLACE FOUR WATER WELLS
 MARINE CORPS BASE
 CAMP LEJUENE, NC
 (803) 479-4639

"The Quality of Water is the Key to Life"

WATER ANALYSIS LABORATORY
 802 HAMLET HIGHWAY
 BENNETTSVILLE, SOUTH CAROLINA
 29312

CONSULTANTS FOR:
 INDUSTRY
 MUNICIPALITIES
 HOME OWNERS
 DEVELOPERS
 IRRIGATION
 OTHERS

DATE: 12/28/77

Report To: Carolina Well & Pump Co.
Sanford, N. C.

Date Analyzed: 12/28/77

Sample Number: 89 Feet

WELL RR-2897

Analysis Results--Parts Per Million

<u>Determination</u>		<u>Determination</u>	
pH	<u>7.3</u>	Carbon Dioxide (CO ₂)	<u>2</u>
Iron (Fe)	<u>1.6</u>	Total Acidity (CaCO ₃)	<u>4</u>
Nitrate (NO ₃)	<u>Trace</u>	Calcium Hardness (CaCO ₃)	<u>136</u>
Fluoride (F)	<u>0.2</u>	Magnesium Hardness (CaCO ₃)	<u>28</u>
Manganese (Mn)	<u>0</u>	Carbonate Hardness (CaCO ₃)	<u>164</u>
Total Hardness (CaCO ₃)	<u>164</u>	Noncarbonate Hardness (CaCO ₃)	<u>0</u>
Chlorides (Cl)	<u>12</u>	Alkalinity (Phenolphthalein) (CaCO ₃)	<u>0</u>
Sulfate (SO ₄)	<u>17.4</u>	Carbonate Alkalinity (CaCO ₃)	<u>0</u>
Phosphate (PO ₄)	<u>0</u>	Bicarbonate Alkalinity (CaCO ₃)	<u>240</u>
Magnesium (Mg)	<u>6.6</u>	Total Alkalinity (CaCO ₃)	<u>240</u>
Calcium (Ca)	<u>54</u>	Total Dissolved Solids	<u>178</u>
Carbonate (CO ₃)	<u>0</u>	Specific Conductance (micromhos at 25°C)	<u>290</u>
Bicarbonate (HCO ₃)	<u>273</u>	Appearance When Analyzed	<u>Slightly Cloudy</u>
Hydroxide (OH)	<u>0</u>	Odor When Analyzed	<u>Not Objectionable</u>

Water Analysis Laboratory
 802 Hamlet Highway

SIGNED: Bennettsville, South Carolina 29312
 LABORATORY DIRECTOR

ANALYTICAL METHODS REFERENCES: 'STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTE-WATER,' APHA, AWWA AND WPCF AND 'METHODS FOR COLLECTION AND ANALYSIS OF WATER SAMPLES,' WATER SUPPLY PAPER 1454 (1980), U. S. GEOLOGICAL SURVEY, WASHINGTON, D. C.

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EAST COAST CONSTRUCTION CO., INC.
 CONTRACT N62470-76-C-6799
 REPLACE FOUR WATER WELLS
 MARINE CORPS BASE
 CAMP LEJUENE, NC
 (803) 479-4639

"Hello Analysis, Goodbye Borty"

WATER ANALYSIS LABORATORY
 802 HAMLET HIGHWAY
 BENNETTSVILLE, SOUTH CAROLINA
 29512

CONSULTANTS FOR:
 INDUSTRY
 MUNICIPALITIES
 HOME OWNERS
 DEVELOPERS
 IRRIGATION
 OTHERS

DATE: 8/28/77

Report To: Carolina Well & Pump Co.
Sanford, N. C.

Date Analyzed: 12/28/77
 Sample Number: 57 Feet

Well RR 97

Analysis Results--Parts Per Million

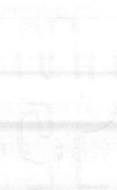
<u>Determination</u>	
pH	<u>6.7</u>
Iron (Fe)	<u>1.9</u>
Nitrate (NO ₃)	<u>Trace</u>
Fluoride (F)	<u>0.2</u>
Manganese (Mn)	<u>0</u>
Total Hardness (CaCO ₃)	<u>162</u>
Chlorides (Cl)	<u>9</u>
Sulfate (SO ₄)	<u>8.6</u>
Phosphate (PO ₄)	<u>Trace</u>
Magnesium (Mg)	<u>3.6</u>
Calcium (Ca)	<u>59</u>
Carbonate (CO ₃)	<u>0</u>
Bicarbonate (HCO ₃)	<u>220</u>
Hydroxide (OH)	<u>0</u>

<u>Determination</u>	
Carbon Dioxide (CO ₂)	<u>3</u>
Total Acidity (CaCO ₃)	<u>5</u>
Calcium Hardness (CaCO ₃)	<u>148</u>
Magnesium Hardness (CaCO ₃)	<u>14</u>
Carbonate Hardness (CaCO ₃)	<u>162</u>
Noncarbonate Hardness (CaCO ₃)	<u>0</u>
Alkalinity (Phenolphthalein) (CaCO ₃)	<u>0</u>
Carbonate Alkalinity (CaCO ₃)	<u>0</u>
Bicarbonate Alkalinity (CaCO ₃)	<u>180</u>
Total Alkalinity (CaCO ₃)	<u>180</u>
Total Dissolved Solids	<u>178</u>
Specific Conductance (micromhos at 25°C)	<u>290</u>
Appearance When Analyzed	<u>Clear</u>
Odor When Analyzed	<u>Not Objectionable</u>

SIGNED: Water Analysis Laboratory
 802 Hamlet Highway
 Bennettsville, South Carolina 29512
 LABORATORY DIRECTOR

ANALYTICAL METHODS REFERENCES: 'STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTE-WATER,' APHA, AWWA AND WPCF AND 'METHODS FOR COLLECTION AND ANALYSIS OF WATER SAMPLES,' WATER SUPPLY PAPER 1454 (1960), U. S. GEOLOGICAL SURVEY, WASHINGTON, D. C.

77-100-10000



PUMPING TEST DATA

Test conducted by: Carolina Well & Pump Co For EAST COAST CONST CO
 Well Owner: U.S. Navy Address: Camp Lejeune
 Pumped Well No.: RR 41 Location: Watts Marine Base County: Onslow
 Observation Well Location: _____
 Airline Lengths: Pumped Well _____ Observation Wells _____
 Remarks: H62470-76-C-6799 Replace Four Water Wells
 Pumping rate measured with: 3x9 AM-500 Water levels measured with: ELECTRIC TAPE

Pump Well Data

Date and Time	Elapsed Time Min.	Piezometer Tube Reading Inches	Pumping Rate GPM	Pump Discharge Pressure	Altitude Gauge Reading Feet	Feet to Water	Remarks
7-31-78							
11:00 AM	Start		100			42'-7"	Static
11:15	15 MIN		"			53'-8"	
11:30	15 MIN		"			54'-4"	
12:00	30 MIN		"			54'-6"	
12:30	"		"			54'-7"	
1:00	"		"			54'-7"	
1:30	"		"			54'-7"	
2:00	15 MIN		150			54'-11"	
2:30	"		"			63'-2"	
3:00	30 MIN		"			63'-4"	
3:30	"		"			63'-8"	
4:00	"		"			63'-11"	
4:30	60 MIN		"			64'-0"	
5:00	"		120			68'-5"	
5:30	"					69'-4"	
6:00 AM	"					69'-3"	
6:30	"					71'-2"	
7:00	"					70'-1"	
7:30	"					71'-7"	
8:00	"					70'-8"	
8:30	"					70'-9"	
9:00	"					71'-3"	
9:30	"					71'-5"	
10:00	"					72'-0"	
10:30	"					72'-11"	
11:00	"					69'-2"	ACT
11:30	"					68'-9"	
12:00 PM	"					68'-0"	
12:30	"					68'-0"	
1:00	"					68'-0"	
1:30	"					68'-0"	
2:00	"					68'-0"	
2:30	"					68'-0"	
3:00	"					68'-0"	
3:30	"					68'-0"	
4:00	"					69'-7"	
4:30	"					69'-2"	
5:00	"					68'-5"	
5:30	"					69'-15"	
6:00	"					69'-9"	

ATLANTIC DIVISION
 NAVAL FACILITIES ENGINEERING COMMAND
 NORFOLK, VIRGINIA 23511

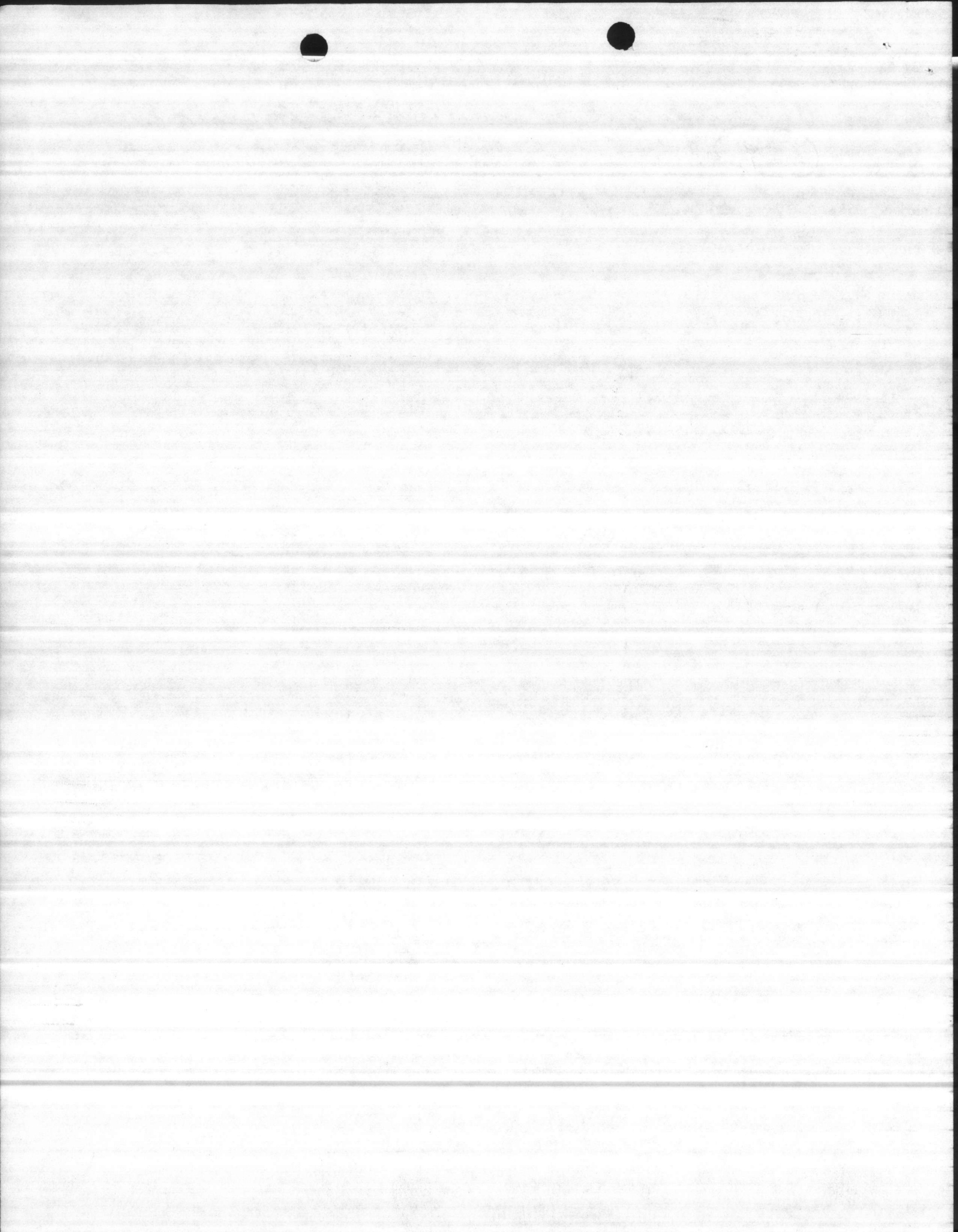
APPROVED
 APPROVED AS NOTED
 DISAPPROVED

SUBJECT TO THE REQUIREMENTS OF
05-76-6799

CONTRACT NO. _____
 APPROVAL OF A SUBSTITUTION DOES NOT INCLUDE
 APPROVAL OF ANY DEVIATION FROM THE CON-
 TRACT REQUIREMENTS UNLESS THE CONTRACTOR
 CALLS ATTENTION TO AND SUPPORTS THE DEVI-
 ATION -- THE CONTRACTOR SHALL BE RESPONS-
 IBLE FOR PROVIDING PROPER PHYSICAL DIMEN-
 SIONS & WEIGHTS, COORDINATION OF TRADES,
 ETC., AS REQUIRED.

REVIEWER: CCS DATE: 17 JUL 1978
 FOR OFFICER IN CHARGE OF CONSTRUCTION

EAST COAST CONSTRUCTION CO., INC.
 CONTRACT N62470-76-C-6799
 REPLACE WATER WELLS
 MARINE CORPS BASE
 CAMP LEJUENE, NC



PUMPING TEST DATA

2 of 2 ✓

Test conducted by: Carolina Well & Pump Co. For EAST COAST COAST CO
 Well Owner: U.S. NAVY Address: Camp Lejeune NC

Pumped Well No.: RR 46 Location: Rifle Range Road County: Onslow

Observation Well Location: _____
 Airline Lengths: Pumped Well _____ Observation Wells _____

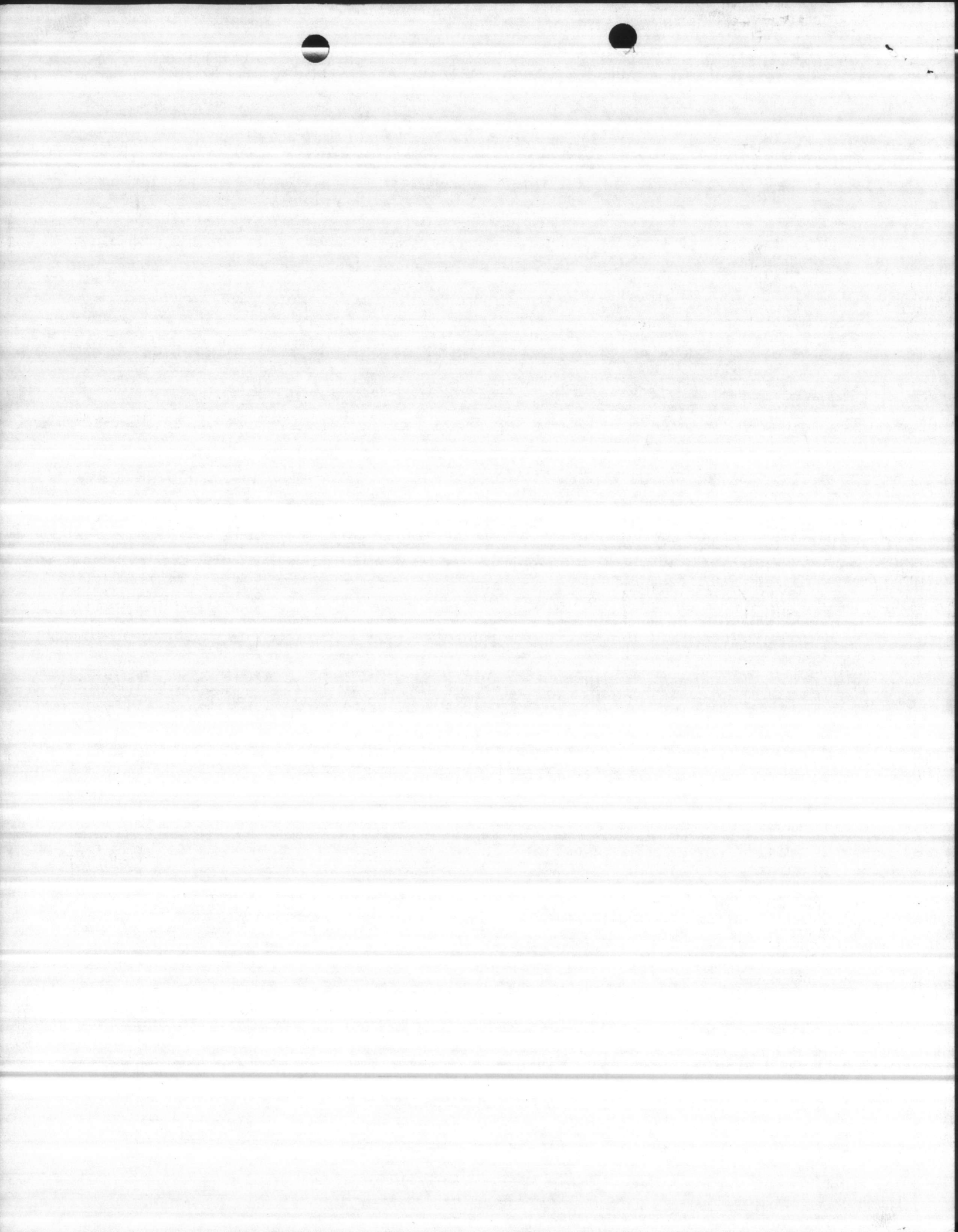
Remarks: Contract N62470-76-C-6299 Replace Four Water Wells

Pumping rate measured with: 3 1/4" ORIFICE Water levels measured with: ELECTRIC TAPE

Pump Well Data

Date and Time	Elapsed Time Min.	Piezometer Tube Reading Inches	Pumping Rate GPM	Pump Discharge Pressure	Altitude Gauge Reading Feet	Feet to Water	Remarks
RECOVERY DATA							
9:00						69.9"	
05						56.2"	
10						51.1"	
15						50.8"	
20						50.6"	
25						50.4"	
30						50.2"	
35						50.0"	
40						49.11"	
45						49.11"	
50						49.9"	
55						49.8"	
10:00						49.7"	

EAST COAST CONSTRUCTION CO., INC.
 CONTRACT N62470-76-C-6299
 REPLACE WATER WELLS
 MARINE CORPS BASE
 CAMP LEJUNE, NC



EAST COAST CONSTRUCTION CO., INC.
 CONTRACT N62470-76-C-6799
 REPLACE FOUR WATER WELLS
 MARINE CORPS BASE
 CAMP LEJUENE, NC
 (803) 479-4639

Water Analysis Laboratory

WATER ANALYSIS LABORATORY
 802 HAMLET HIGHWAY
 BENNETTSVILLE, SOUTH CAROLINA
 29312

CONSULTANTS FOR:
 INDUSTRY
 MUNICIPALITIES
 HOME OWNERS
 DEVELOPERS
 IRRIGATION
 OTHERS

DATE: 12/28/77

Report To: Carolina Well & Pump Co.
Sanford, N. C.

Date Analyzed: 12/28/77
 Sample Number: 105 Feet

WELL RR 99

Analysis Results--Parts Per Million

Determination

pH 7.0
 Iron (Fe) 0.3
 Nitrate (NO₃) 0
 Fluoride (F) 0.3
 Manganese (Mn) 0
 Total Hardness (CaCO₃) 172
 Chlorides (Cl) 11
 Sulfate (SO₄) 6.2
 Phosphate (PO₄) 0
 Magnesium (Mg) 3.6
 Calcium (Ca) 62.8
 Carbonate (CO₃) 0
 Bicarbonate (HCO₃) 268
 Hydroxide (OH) 0

Determination

Carbon Dioxide (CO₂) 2
 Total Acidity (CaCO₃) 5
 Calcium Hardness (CaCO₃) 157
 Magnesium Hardness (CaCO₃) 15
 Carbonate Hardness (CaCO₃) 172
 Noncarbonate Hardness (CaCO₃) 0
 Alkalinity (Phenolphthalein) (CaCO₃) 0
 Carbonate Alkalinity (CaCO₃) 0
 Bicarbonate Alkalinity (CaCO₃) 220
 Total Alkalinity (CaCO₃) 220
 Total Dissolved Solids 195
 Specific Conductance (micromhos at 25°C) 300
 Appearance When Analyzed Clear
 Odor When Analyzed Not Objectional

Water Analysis Laboratory

802 Hamlet Highway

Bennettsville, South Carolina 29312

SIGNED: _____
 LABORATORY DIRECTOR

ANALYTICAL METHODS REFERENCES: 'STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTE-WATER,' APHA, AWWA AND WPCF AND 'METHODS FOR COLLECTION AND ANALYSIS OF WATER SAMPLES,' WATER SUPPLY PAPER 1454 (1980), U. S. GEOLOGICAL SURVEY, WASHINGTON, D. C.



EAST COAST CONSTRUCTION COMPANY, INC.

GENERAL CONTRACTORS

P. O. BOX 5004 - JACKSONVILLE, NORTH CAROLINA 28540

353-4479 or 353-6044

File

January 6, 1978

Commander, Atlantic Division
Naval Facilities Engineering Command
Norfolk, Virginia, 28542 (Code 05)

Re: Contract N62470-76-C-6799
Replace four water wells
Marine Corps Base
Camp Lejeune, N.C.

Well Rifle Range RR 97

Gentlemen:

We are enclosing four (4) copies of the following information on well no. RR 46 located at the Rifle Range.

Drillers log
Electric log
Water analysis from 3 levels

We estimate this well will produce approximately 200 to 275 gpm by taking the water from the 45-60 foot level (100-150) and from the 80-100 foot level (100-125).

Please advise us of your decision promptly so we may begin developing this well.

Very truly yours,

EAST COAST CONSTRUCTION COMPANY, INC.

W. H. Myers

WHM/pm

cc ROICC
Marine Corps Base, CL

enclosure 1 copy of well data

ATLANTIC DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA 23511

APPROVED
APPROVED AS NOTED _____
DISAPPROVED _____

SUBJECT TO THE REQUIREMENTS OF

CONTRACT NO. 76-6799
APPROVAL OF A SUBMITTAL DOES NOT INCLUDE
APPROVAL OF ANY DEVIATION FROM THE CON-
TRACT REQUIREMENTS UNLESS THE CONTRACT
CALLS ATTENTION TO AND SUPPORTS THE DEVI-
ATION... THE CONTRACTOR SHALL BE RESPONS-
IBLE FOR PROVIDING PROPER PHYSICAL DIMEN-
SIONS & WEIGHTS, COORDINATION OF TRADES,
ETC., AS REQUIRED.

REVIEWER *JCS* DATE _____
A-E FIRM _____
FOR OFFICER IN CHARGE OF CONSTRUCTION

THE COMPANY, INC.



EAST COAST CONSTRUCTION COMPANY, INC.

GENERAL CONTRACTORS

P. O. BOX 5004 — JACKSONVILLE, NORTH CAROLINA 28540

353-4479 or 353-6044

EAST COAST CONSTRUCTION CO., INC.

CONTRACT NO 2470-76-C-6799

REPLACE FOUR WATER WELLS

MARINE CORPS BASE

CAMP LEJUENE, NC

DRILLERS LOG

RR-~~97~~ 97

0 - 10	Sand
10 - 20	Sand
20 - 30	Clay
30 - 40	Fine Sand
40 - 50	Soft Rock
50 - 60	Soft Rock
60 - 70	Limestone
70 - 80	Limestone
80 - 90	Limestone
90 - 100	Limestone
100 - 110	Soft Limestone
110 - 120	Limestone
120 - 130	Limestone
130 - 140	Clay
140 - 150	Clay
150 - 160	Clay
160 - 170	Sand and Clay
170 - 180	Sand
180 - 190	Sand
190 - 200	Clay

GENERAL CONTRACTORS

GENERAL CONTRACTORS

GENERAL CONTRACTORS

100

15
100

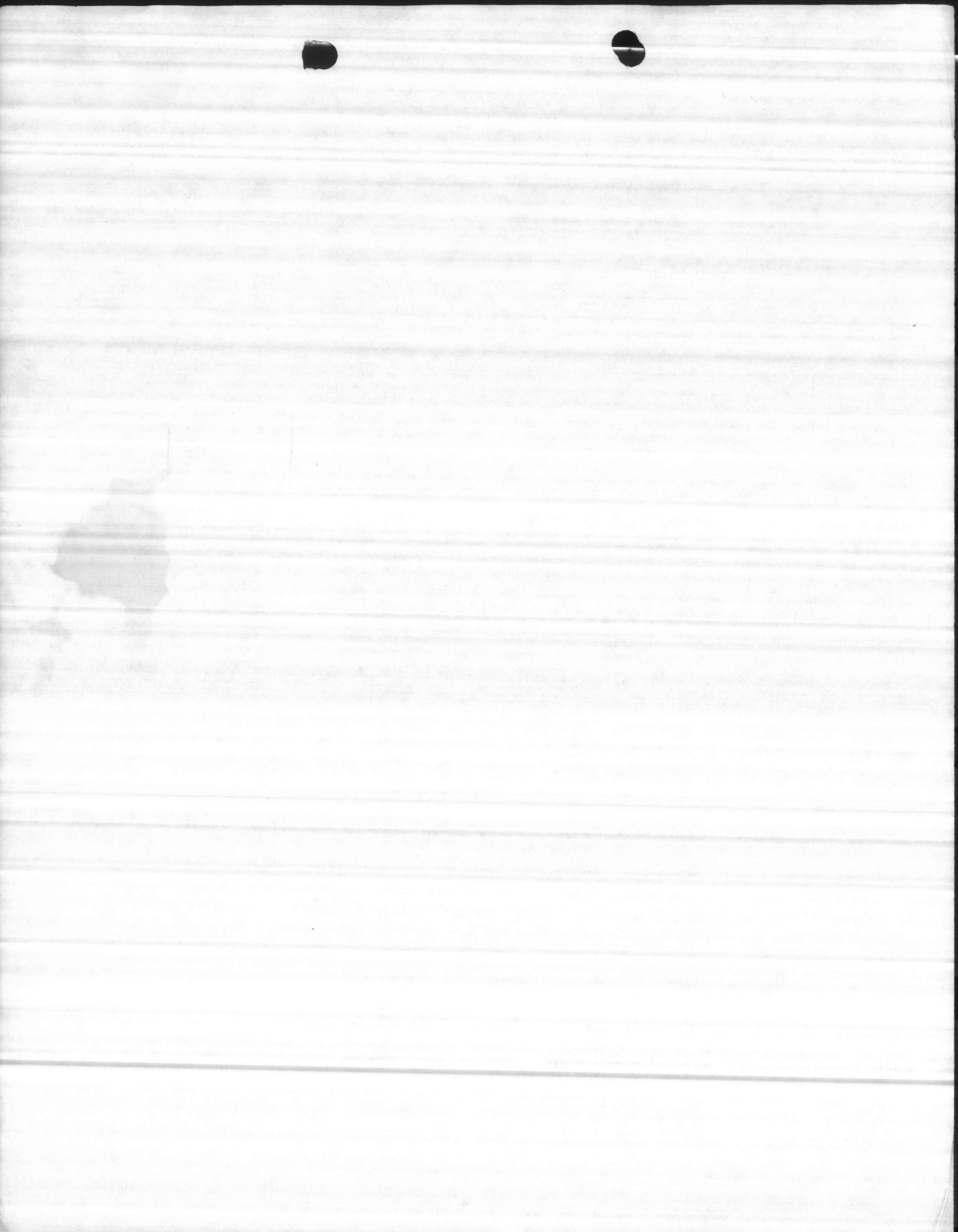
WELL NUMBER RR 97 THOMAS / COX DATE 8-22-90

AIR LINE	STATIC LEVEL	PUMPING LEVEL	DRAIN DOWN	DISCHARGE PRESSURE	GPM	START TIME
70	48	52	4	58	100	55
		55	7	52	133	05
		57	10	44	154	15
LEFT SET AT	→	59	12	38	170	25

REMARKS Dead head 82 PSI

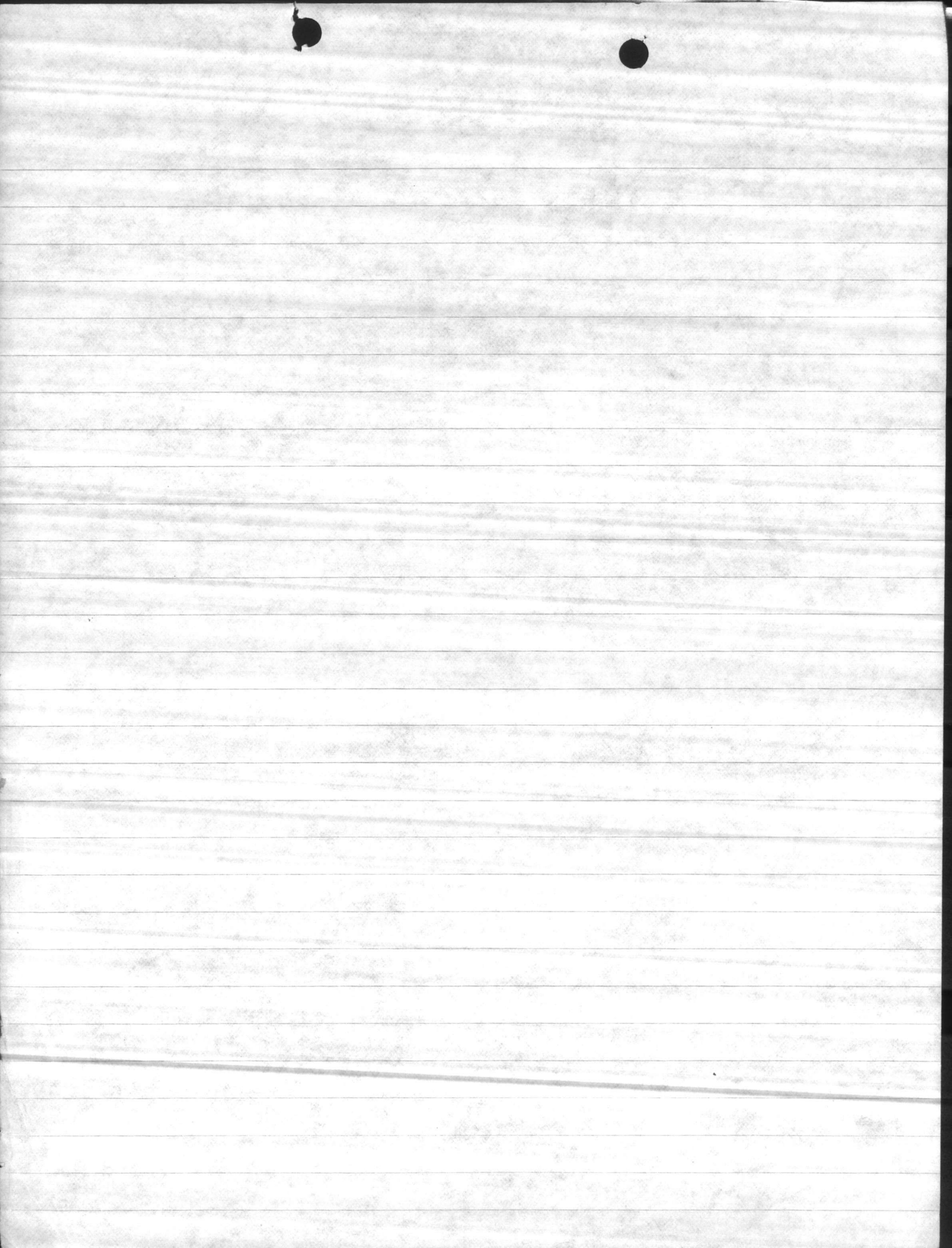
MANUFACTURER	STAGE	S.N.	TOTAL HEAD	SIZE





RR 97
9-10-85

A/L	S/L	P/L	D/D	GPM	PSI	Time
70'	43	50	7	104	52	15
		48	9	122	45	15
		54	15	137	40	15
		58	19	151	35	15



ENVIRONMENTAL PRODUCTS, INC

P. O. BOX 2385 • HICKORY, N. C. 28601 • 704/322-7003

SUBMITTAL DATA

PROJECT: N62470-76-B-6799, Replace Water Wells
 LOCATION: Marine Corp Base, Camp Lejeune, North Carolina
 ENGINEER: Naval Facilities Engineering Command, Norfolk, Virginia
 CONTRACTOR: East Coast Construction, Jacksonville, North Carolina
 SUBJECT: Well RR-46
 CONDITIONS: 150 GPM @ 180' TDH, 1800 RPM
 DESCRIPTION:

One (1) Crane Deming 13-stage, size XH-6, Fig. 4700, vertical turbine bowl assembly, for water lubrication, with bronze impellers designed for the above conditions, fitted for 5" column and 1" shafting, with 5" threaded suction, and including the following:

- A. One (1) H16DL 16½" x 6" type "C" surface discharge head, fitted for 5" column and 1" water lubricated shafting, for a 6" above ground discharge.
- B. One (1) foundation plate (baseplate) for the above discharge head.
- C. Two (2) 5' sections of 5" AWWA standard .258 wall, schedule 40, water well column pipe, threaded and coupled with couplings, zinc coated. One to be installed at the top of the bowl assembly, one to connect to bottom of discharge head.
- D. Seven (7) 10' sections, same as above, for use as "intermediate column".
- E. One (1) 5' section of 1" diameter, C-1045, water lubricated shafting (bottom drive), with coupling, stainless steel shaft sleeve, bronze retainer and rubber bearing (for 5" column).
- F. Seven (7) 10' sections of 1" diameter, C-1045, water lubricated shaft assemblies, with couplings, stainless steel shaft sleeves, bronze retainers and rubber bearings (intermediate shaft).
- G. One (1) 1" diameter, C-1045 topshaft, with sleeve, suitable for 5' top column, head, gear and motor used.
- H. One (1) 10' section of 4" zinc coated pipe (suction pipe).
- I. One (1) 4" galvanized cornucopia type strainer.

One (1) General Electric type K, 10 HP, 1800 RPM, 3 phase, 60 cycle, 200 volt, vertical hollow shaft motor, NEMA design "B", rated for high thrust with a 153 service factor, class "B" insulated, 40° C. ambient, in a L215TP10 frame in a NEMA weather protected type one enclosure.

APPROVED

APPROVED AS NOTED Note 1. TDH is based on 64" pumping level 50 PSI @ ground level.

D SAAPPROVED There is virtually no column and shaft friction loss (64 + 115.5 = 180').

SUBJECT TO THE REQUIREMENTS OF Note 2. Please confirm overall setting.

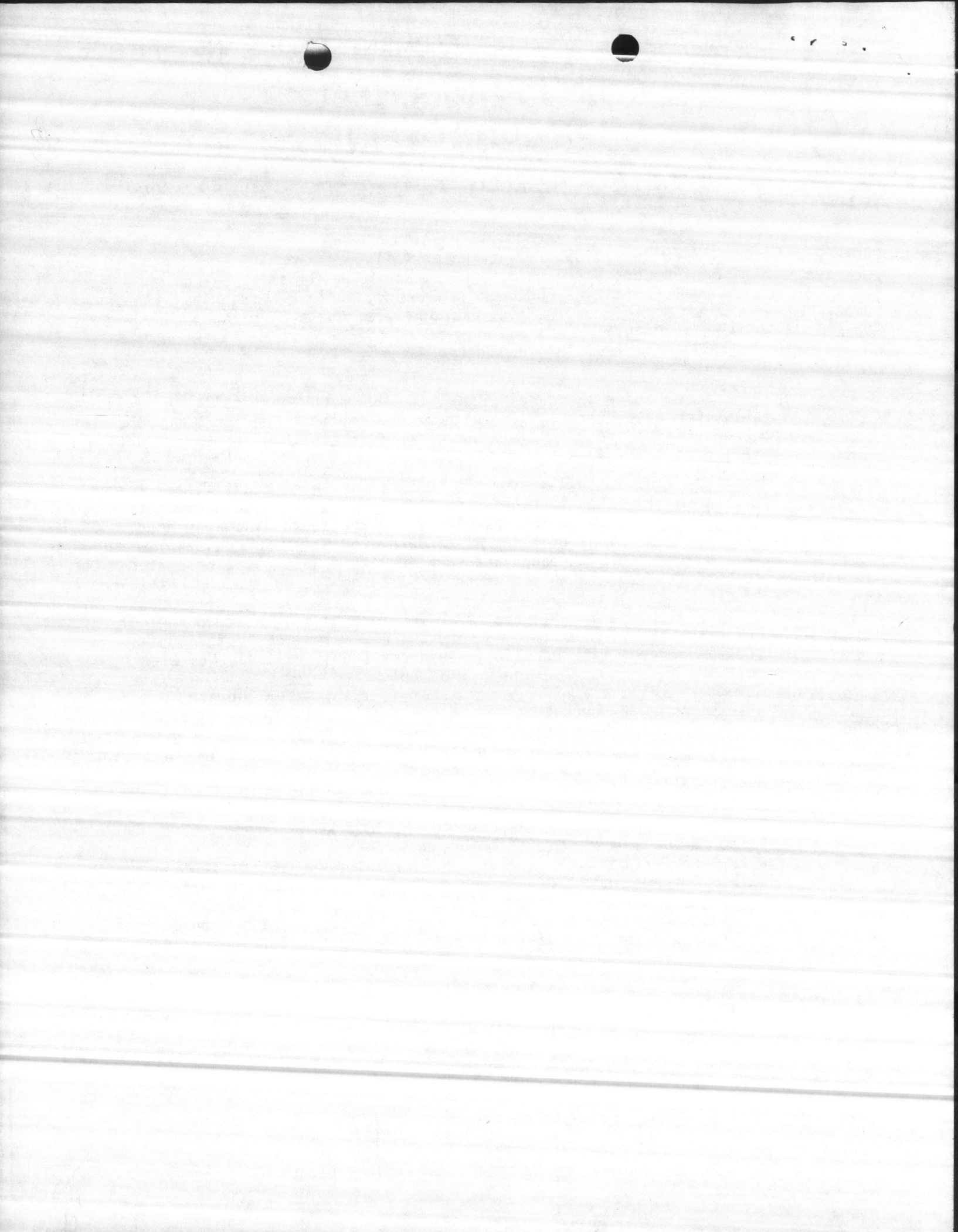
05-76-6799

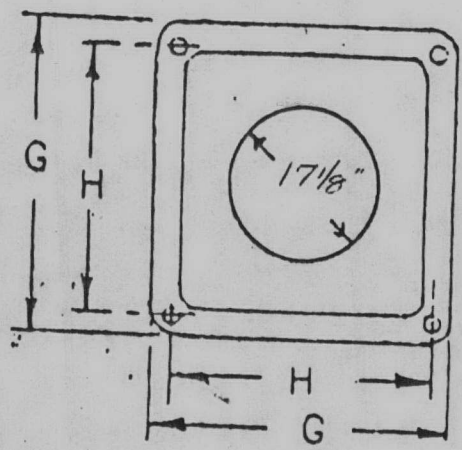
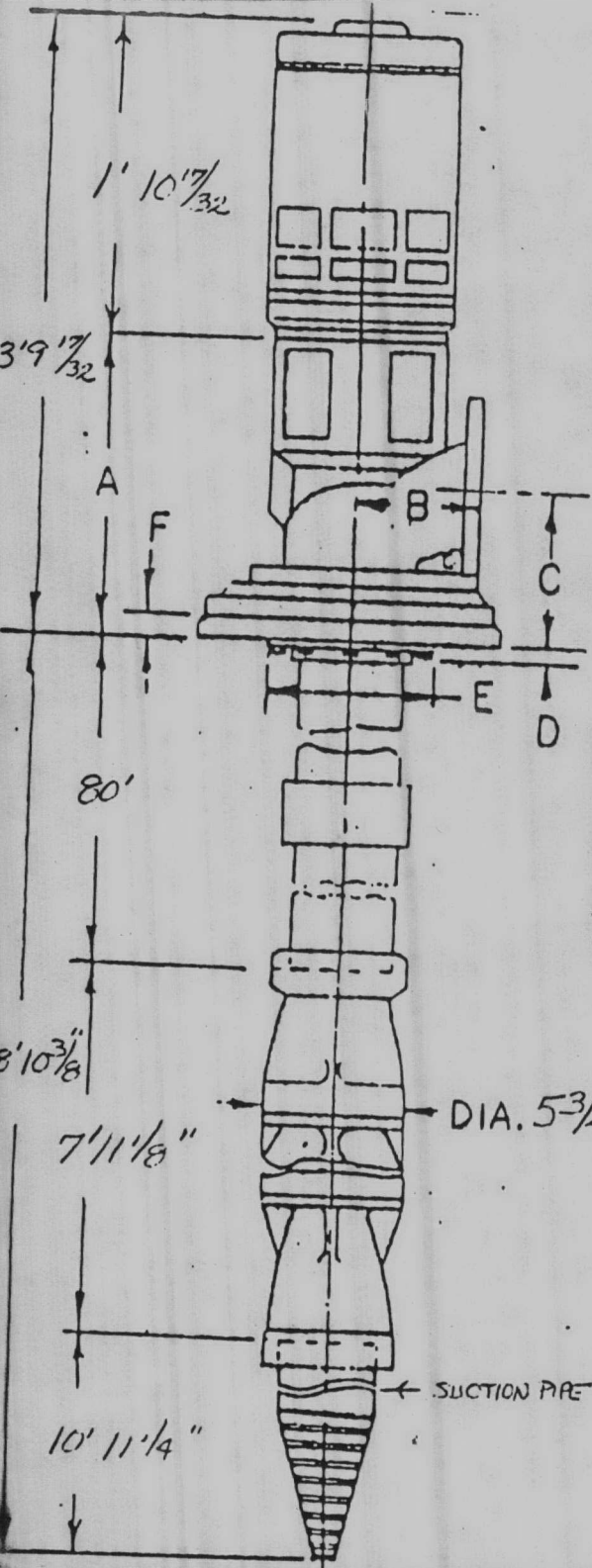
CONTRACT NO. 05-76-6799
 APPROVAL OF A SUBMITTAL DOES NOT INCLUDE APPROVAL OF ANY DEVIATION FROM THE CONTRACT REQUIREMENTS UNLESS THE CONTRACTOR CALLS ATTENTION TO AND SUPPORTS THE DEVIATION --- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING PROPER PHYSICAL DIMENSIONS & COORDINATION OF TRADES, TC., AS REQUIRED.

JUNE 30, 1978

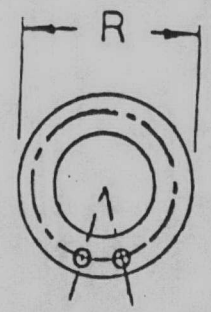
REVIEWER C.C.S. DATE 17 JUL 1978

OFFICER IN CHARGE OF CONSTRUCTION





4-K DIA. HOLES



L-125 LB ANSI FLG
M-N-HOLES ON
P BOLT CIRCLE
HOLES STRADDLE
VERTICAL C

BASEPLATE TOP VIEW

HEAD	A	B	C	D	E	F	G	H	K	L	M	N	P	R
H16DL	23	11 3/8	10	1/4	14 3/4	1 7/16	24	19 3/4	7/8	6	8	7/8	9 1/2	11
H12D	23	8 3/4	10	1/4	14 3/4	1 7/16	24	19 3/4	7/8	6	8	7/8	9 1/2	11
H16DL	23	11 3/8	10	1/4	14 3/4	1 7/16	24	19 3/4	7/8	6	8	7/8	9 1/2	11
H16F	23	11 3/8	10	1/4	14 3/4	1 7/16	24	19 3/4	7/8	6	8	7/8	9 1/2	11
H16FL	23	11 3/8	10	1/4	14 3/4	1 7/16	24	19 3/4	7/8	6	8	7/8	9 1/2	11
H20K	23	13 1/8	10 1/2	1/4	14 3/4	1 7/16	24	19 3/4	7/8	8	8	7/8	11 3/4	13 1/2

N62470-76-B-6799

CERTIFICATION FOR			
CUSTOMER	EAST COAST CONSTRUCTION		PO# 440
JOB & LOCATION	WELL RR-46, MCAS COMPLEJEUNE, N.C.		
CONSULTING ENGINEERS	NAVAL FACILITIES, NAVAL STATION, NORFOLK, VA.		
CONDITIONS	150 GPM	180 TDH	1800 RPM 98' 10 3/8" SETTING
PUMP	CRANE DOWING, 13 stage, XH6, Figure 4700, vertical turbine		
MOTOR	GE type K, 10HP, 1800 RPM, VHS, 3φ, 60hz, 200 volt WP-1		
COLUMN & SHAFT	5" ZINC COATED T+C, 1" DIAMETER (WATER LUBE)		
SUCTION PIPE	10' of 4" ZINC COATED	STRAINER 4" GALVANIZED CORNUCOPIA	
SCALE - NONE	CERTIFIED BY	RAD	DATE: 6/23/78

ENVIRONMENTAL PRODUCTS, INC. - HICKORY, N.C.



GENERAL ELECTRIC

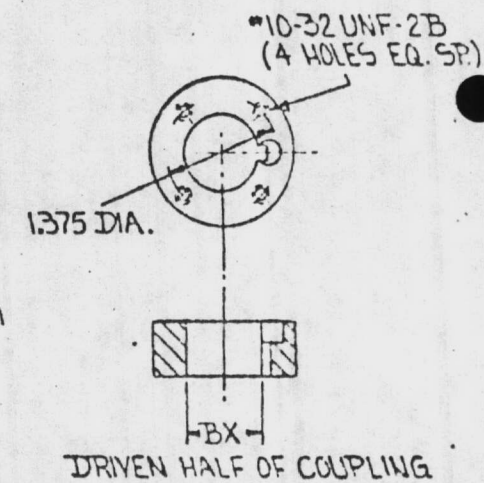
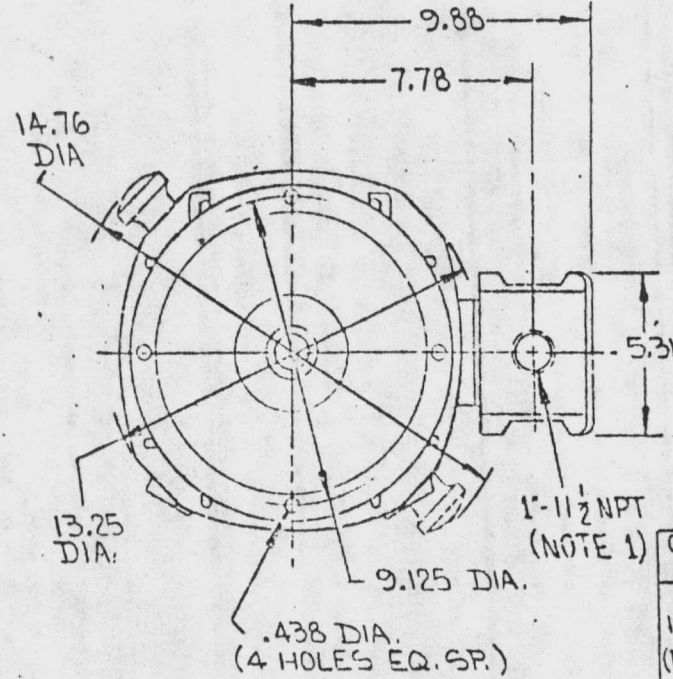
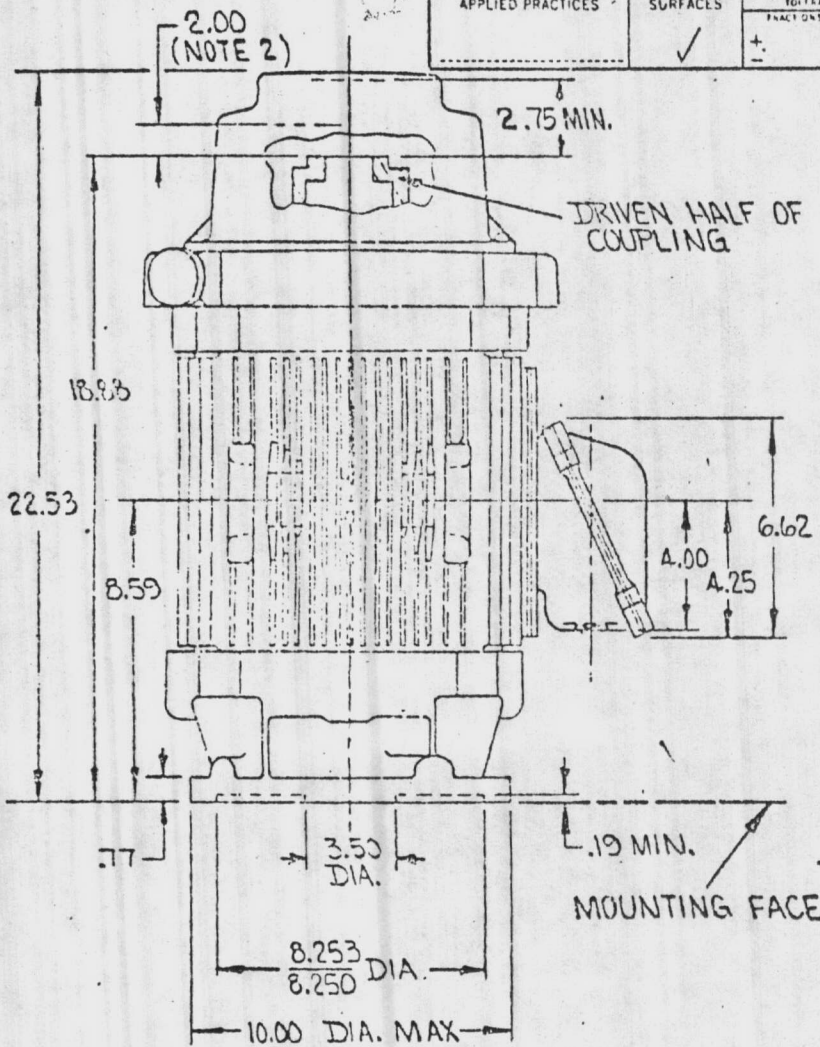
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UNLESS OTHERWISE SPECIFIED USE THE FOLLOWING —

APPLIED PRACTICES	SURFACES	FRACTIONS	DECIMALS	ANGLES
	✓	+	+	+

193B2601AA

TITLE **OUTLINE**
 FIRST MADE FOR 210 FR. VERT. OPEN-R. BASE



DRIVEN HALF OF COUPLING

COUPLING KIT	GR	EDGE DIA BX	KEYWAY W	KEYWAY D
192B9950AA (NON-REVERSE)	1	1.002 / 1.001	.250	.125
	2	.999 / .995		
	3	.877 / .876		
	4	.752 / .751	.125	.094
192B9950AC SELF-RELEASE & BOLTED	1	1.002 / 1.001	.250	.125
	2	.999 / .995		
	3	.877 / .876		
	4	.752 / .751	.125	.094

REVISIONS

1	SYNOPSIS REVISED PER 12-13-76 193-76-413
2	M. SMITH 2-7-77 193-77-101-E

NOTE 1- CONDUIT BOX MAY BE ASSEMBLED WITH ENTRANCE UP, DOWN, OR TO EITHER SIDE.
 NOTE 2- THE TOTAL HEIGHT OF PUMP SHAFT & LOCKING NUT ABOVE TOP OF COUPLING, MUST NOT EXCEED THIS DIMENSION.

DATE: 2.5.76 Sent. 11, 1976
 ISSUED: Sent. 13, 1976
 APPROVED: S.A.C.M & G
 BY: B.W.
 NASHVILLE
 193B2601AA

