

FILE FOLDER

DESCRIPTION ON TAB:

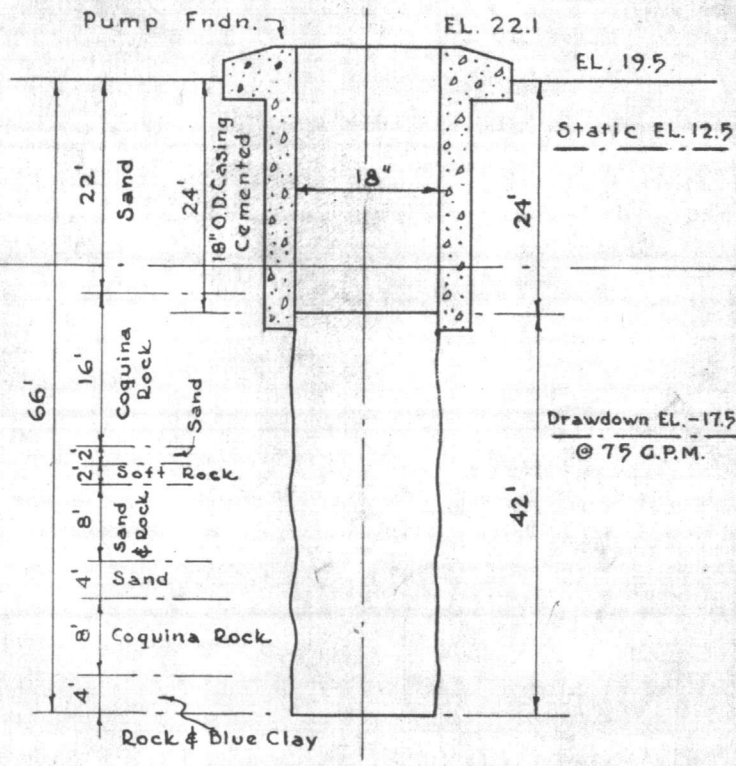
TC 100 Well B

Outside/inside of actual folder did not contain hand written information

Outside/inside of actual folder did contain hand written information

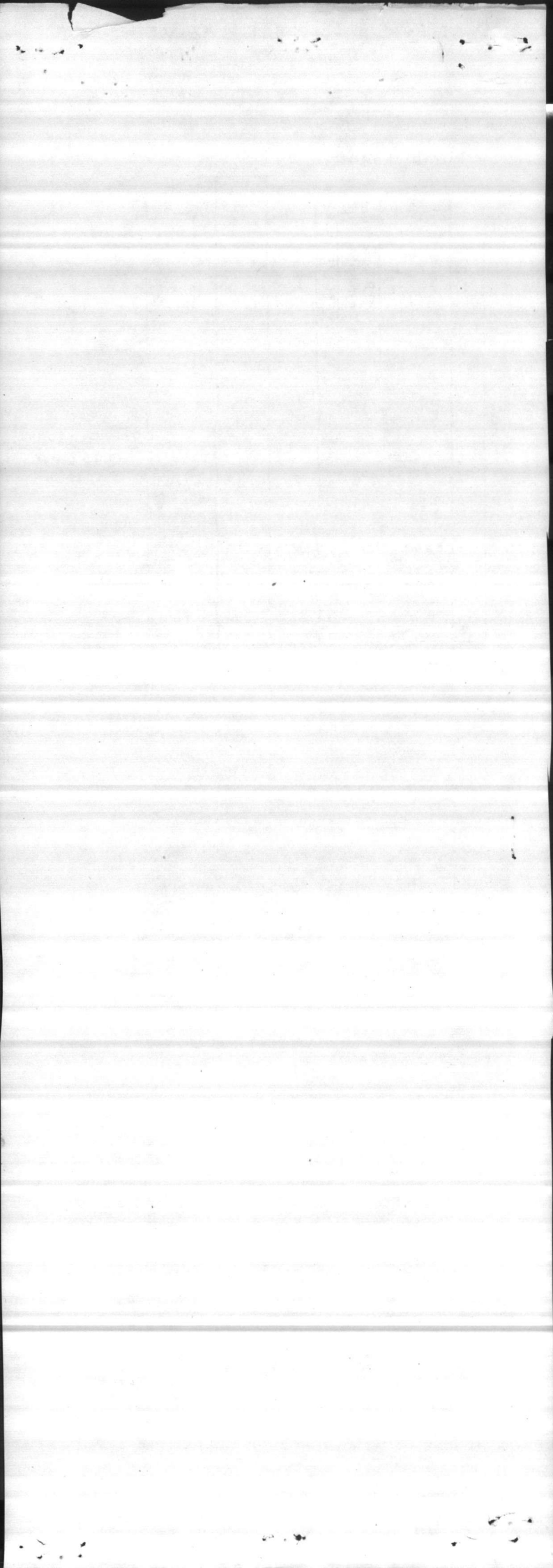
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75 G.P.M. - SINGLE DRIVE



9-12-57

MEASURED 67' FROM PUMP BASE



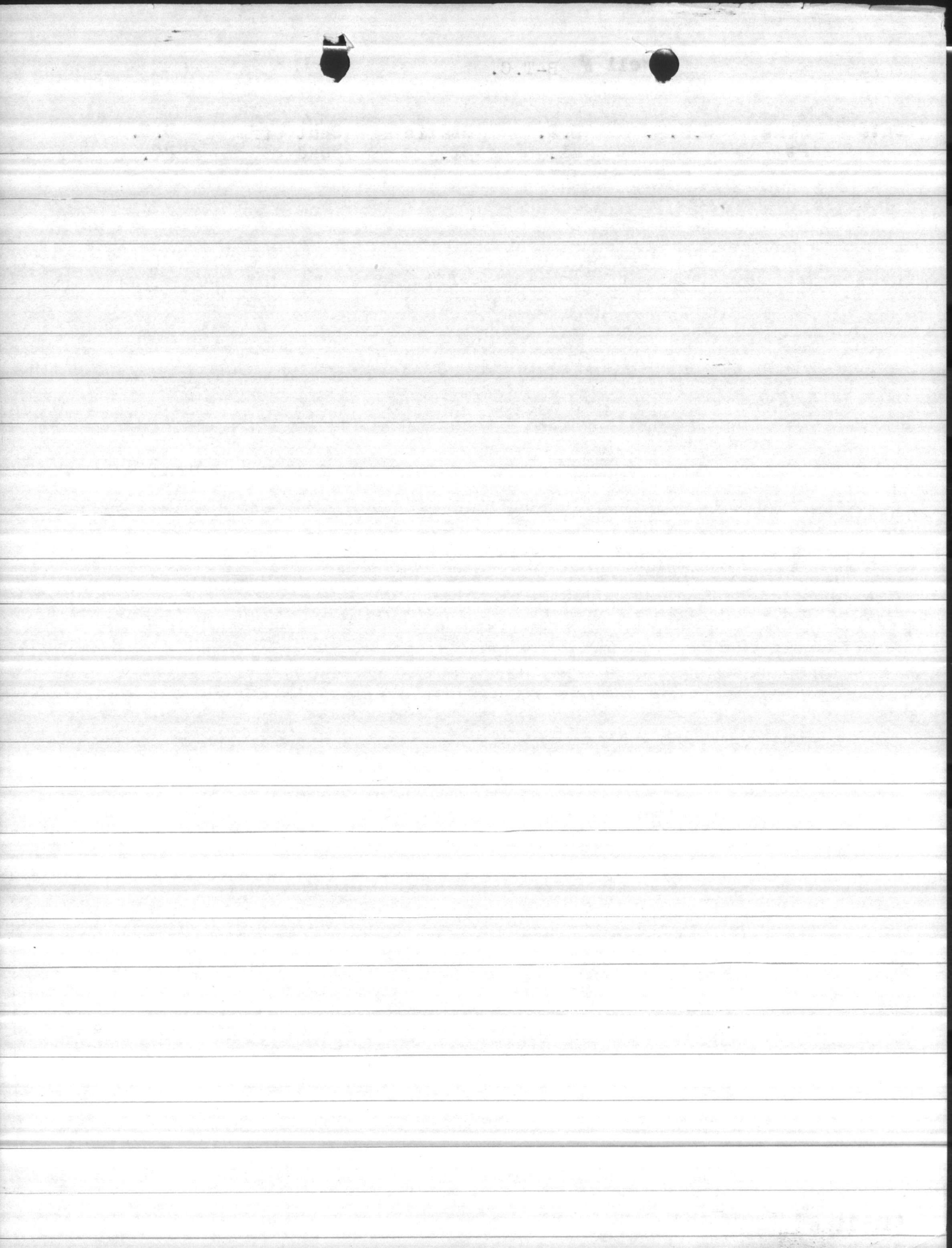
Well # B-T.C.

Date	Line Ft	G.P.M.	D.D. El.	Static El.	Shut Off Head	D.D. Ft.
9-13-57	50ft	(50?)	8ft	34ft		26

NEW JOHNSTON PUMP 9-13-57 STARTED -
by gage

PUMP THROTTLED TO 50 ft. on gage

Air line 50 ft NEW PUMP. 9-13-57.



U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OFFICE OF WATER DATA COORDINATION
INVENTORY OF HYDROLOGIC DATA STATIONS
QUALITY OF WATER

APPROVED.
Budget Bureau No. 42-R1485
Approval Expires June 30, 1968

1. AGENCY CODE MC	2. TYPE Q	3. LATITUDE ° ' " N 34 44 27	4. LONGITUDE ° ' " W 77 27 29	5.
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6. AGENCY STATION NO. TC100	7. STATION NAME
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8. DRAINAGE BASIN CODE No. Letter 1 A N	9. STATE CODE 32	10. COUNTY CODE 133	11. COUNTY NAME ONSLON
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12. PERIOD OF RECORD Began Discontinued 1941	Y <input type="checkbox"/> Continuous <input type="checkbox"/> Interruption Exceeds 1 Year	13.	14.
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15. SITE	<input type="checkbox"/> 101 Stream	<input type="checkbox"/> 102 Canal	<input type="checkbox"/> 103 Lake	<input type="checkbox"/> 104 Reservoir	<input type="checkbox"/> 105 Estuary	<input type="checkbox"/> 106 Spring	<input checked="" type="checkbox"/> 107 Well	<input type="checkbox"/> 108 Other
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16. FREQUENCY OF MEASUREMENT	<input type="checkbox"/> 201 Continuous Recorder	<input type="checkbox"/> 202 Telemetered	<input type="checkbox"/> 203 Daily	<input type="checkbox"/> 204 Weekly	<input type="checkbox"/> 205 Monthly	<input type="checkbox"/> 206 Quarterly	<input type="checkbox"/> 207 Seasonal	<input type="checkbox"/> 208 Annual	<input type="checkbox"/> 209 Other Periodic	<input checked="" type="checkbox"/> 210 Occasional
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17. TYPES OF DATA AVAILABLE	<i>Physical</i>	<i>Chemical</i>	<i>Organic</i>
<input type="checkbox"/> 311 Temperature	<input type="checkbox"/> 312 Specific Conductance	<input type="checkbox"/> 313 Turbidity	<input type="checkbox"/> 314 Color
<input type="checkbox"/> 315 Odor	<input type="checkbox"/> 316 Radioactivity	<input checked="" type="checkbox"/> 318 pH (lab)	<input type="checkbox"/> 319 Eh
<input type="checkbox"/> 320 Other	<input type="checkbox"/> 321 Dissolved solids	<input checked="" type="checkbox"/> 332 Chlorides Only	<input type="checkbox"/> 333 Nutrients (Nitrogen and phosphorus compounds)
	<input type="checkbox"/> 334 Common ions	<input checked="" type="checkbox"/> 335 Hardness	<input type="checkbox"/> 336 Radiochemical
	<input type="checkbox"/> 337 Dissolved oxygen	<input type="checkbox"/> 338 Other Gases	<input type="checkbox"/> 339 Other
		<input type="checkbox"/> 351 Pesticides (insecticides, herbicides, etc.)	<input type="checkbox"/> 352 Synthetic detergents
		<input type="checkbox"/> 353 Other	<i>Biologic</i>
		<input type="checkbox"/> 361 Coliforms	<input type="checkbox"/> 362 Other Micro-organisms
		<input type="checkbox"/> 363 BOD	<input type="checkbox"/> 364 Other
		<i>Sediment</i>	<input type="checkbox"/> 371 Concentration
		<input type="checkbox"/> 372 Particle size	<input type="checkbox"/> 373 Other

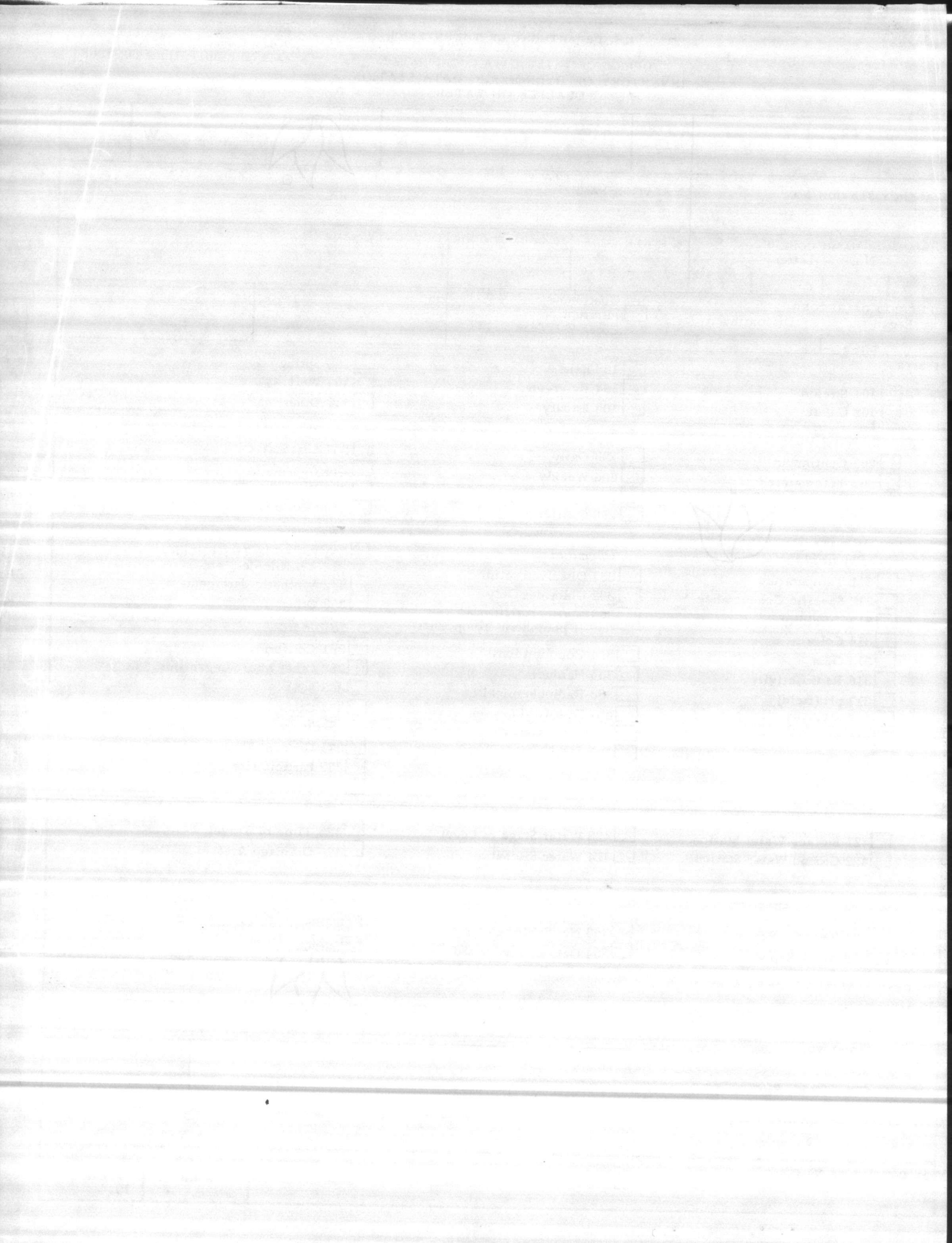
18. SUPPLEMENTARY DATA FOR SITE	<input type="checkbox"/> 421 Surface Water Station	<input type="checkbox"/> 422 Ground Water Station	<input type="checkbox"/> 423 Water Stage or Level	<input checked="" type="checkbox"/> 424 Water discharge	<input type="checkbox"/> 425 Time of Travel	<input type="checkbox"/> 426 Drainage Area
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19. STORAGE OF DATA	<input type="checkbox"/> 501 Periodic Report	<input type="checkbox"/> 502 Areal Report	<input checked="" type="checkbox"/> 503 Not Published	<input type="checkbox"/> 504 Data on Punchcard	<input type="checkbox"/> 505 Data on Magnetic Tape	<input type="checkbox"/> 506 Other
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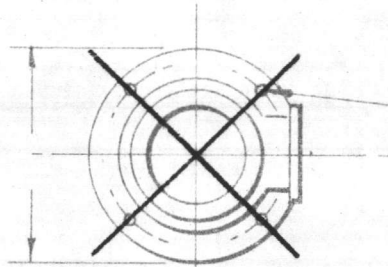
20. OFFICE AT WHICH DATA AVAILABLE	Office BASE MAINTENANCE DEPARTMENT, UTILITIES DIVISION	Street No. MARINE CORPS BASE	City, State, Zip CAMP LEJEUNE, N. C. 28512	City Code 0735
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21. OFFICE COMPLETING FORM	BASE MAINTENANCE DEPARTMENT
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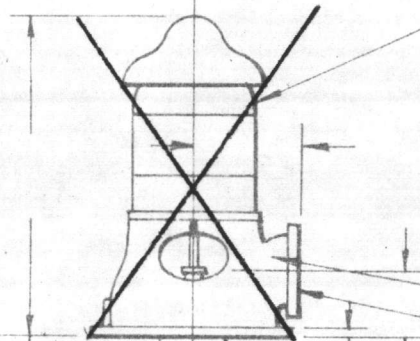
22. COMPILER'S NAME	BASE MAINTENANCE DEPARTMENT	23. DATE Month 09 Year 1968
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JOHNSTON VERTICAL TURBINE PUMP



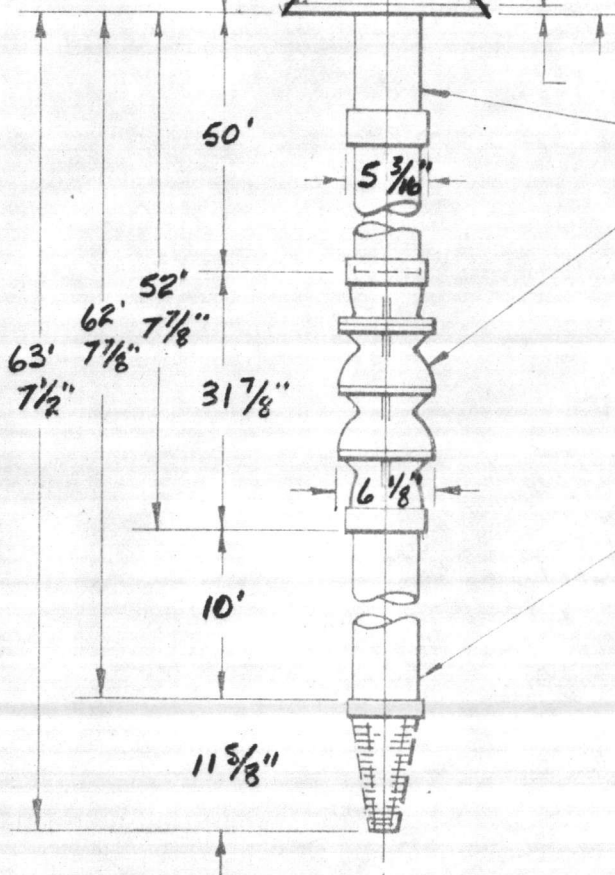
4- DIA. HOLES



FURNISHED BY OTHERS
VERTICAL HOLLOW SHAFT MOTOR

HP	PHASE	CYCLE
	VOLTI	RPM
ENCLOSURE		

FURNISHED BY OTHERS
TYPE "A" DISCHARGE HEAD
" X 125# FLANGE



9" X 1 1/2" X 1" SWI
COLUMN ASSEMBLY

6 STAGE 6 AC BOWL ASSEMBLY

CONDITIONS:
50 USGPM
80 FT. TOTAL HEAD
LIQUID WATER - 1.0
SPEC. GRAV. @ °F PUMPING TEMP.

4" SUCTION PIPE 4" CONE STRAINER

CUSTOMER _____
PO# _____
DEALER HEATER WELL Co.
PO# _____
JOHNSTON SERIAL # _____
JOHNSTON QUOTATION # _____

NOTE: DO NOT USE FOR CONSTRUCTION
UNLESS CERTIFIED

Pumps B+C

JOHNSTON PUMP COMPANY
PASADENA, CALIFORNIA

5-20-57

H-1253-A

PUBLIC WORKS DEPARTMENT
CAMP LEJEUNE, NORTH CAROLINA

APPROVED

CONTRACT NO. 3886 SPEC. NO. 3886/56
SUBJECT TO CONTRACT REQUIREMENTS

TITLE Repairs to Hell House, Camp Lejeune

DATE: 4 June 57

BY DIRECTION OF OFFICER
IN CHARGE OF CONSTRUCTION:

H. E. Lawrence, Jr.
als

HYDRAULIC PERFORMANCE IS CONTINGENT ON WELL FURNISHING PUMP WITH CLEAR, FRESH NON-AERATED OR NON-GASEOUS WATER FREE FROM DETRITUS WITH NO SUCTION LIFT AND TEMPERATURE NOT TO EXCEED 85 DEGREES FAHRENHEIT

NOTE: All COLUMN LOSSES ARE INCLUDED

CUSTOMER: _____

P.O.# _____

DEALER: HEATER WELL Co.

P.O.# _____

JOHNSTON SERIAL: _____

Pumps # B+C

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF POINTS	FOR NUMBER OF STAGES

NOTE: ANY CHANGE IN EFFICIENCY CHANGES EITHER THE HEAD OR HORSEPOWER IN PROPORTION

TOTAL HEAD IN FEET

110
100
90
80
70
60

Head/Capacity

Operating Conditions:
50 GPM at 80' TDH
Pumping water Sp Gr 1.0

EFFICIENCY
75
70
65
60

Brake Efficiency

Brake HP Req'd.

35 40 45 50 55 60

U. S. GALLONS PER MINUTE

2.0
1.5

HORSE POWER

IMPELLER BRZ
4 17/32" DIA.

JOHNSTON PUMP CO.



VERTICAL PUMPS

PASADENA • CALIFORNIA • USA

PERFORMANCE 6 STAGE

6 AC

DEEP WELL TURBINE PUMP

1800

R. P. M.

CURVE SHEET No. _____

DATE: 4-11-57 BY: JDM

PUBLIC WORKS DEPARTMENT
CAMP LEJEUNE, NORTH CAROLINA

APPROVED

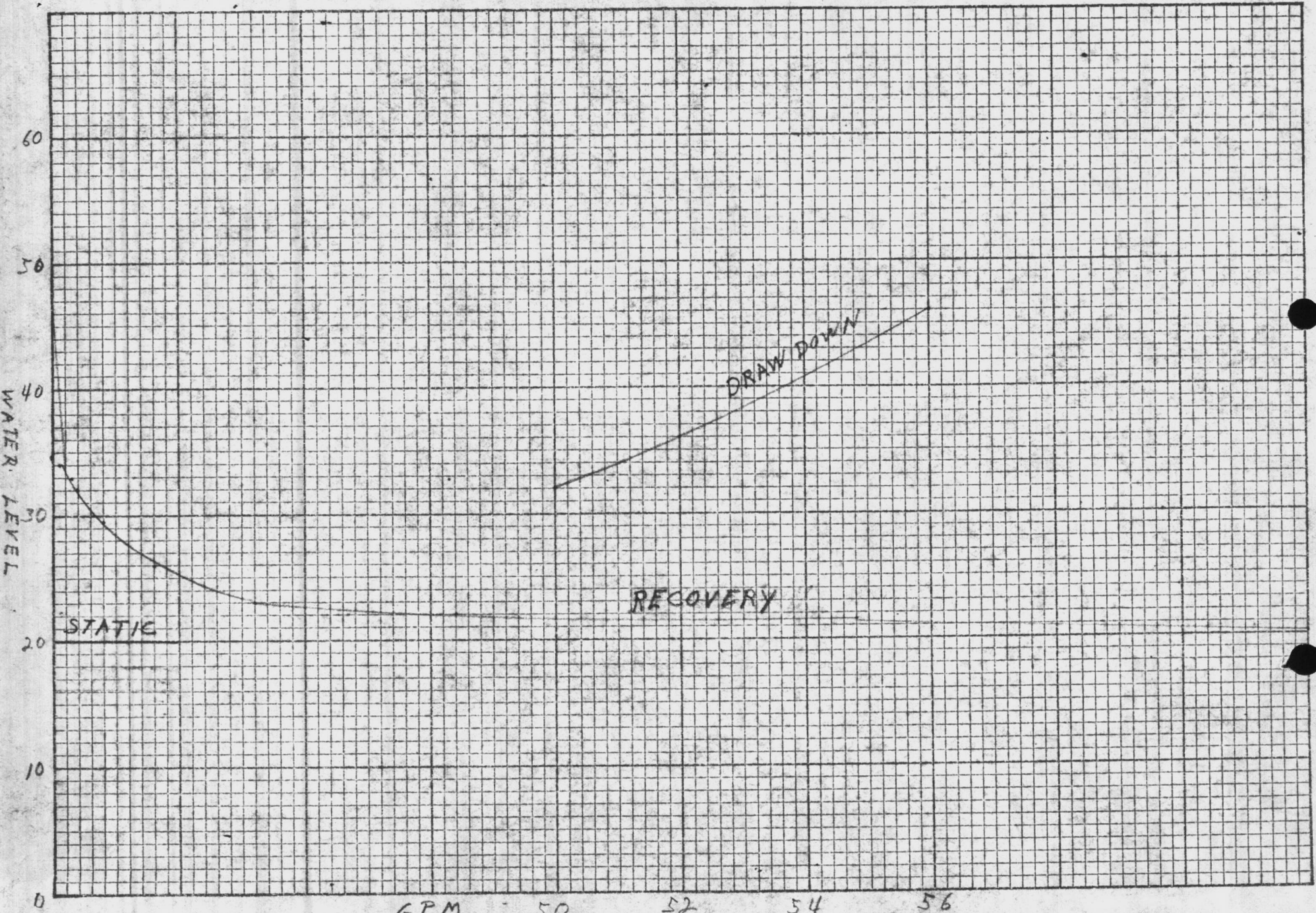
SUBJECT TO CONTRACT REQUIREMENTS

CONTRACT NO. 3886 SPEC. NO. 3886/56

TITLE Repair to Hill Pump Camp Geiger

DATE: 4 June 57 W. J. Latham, Jr.

BY DIRECTION OF OFFICER
IN CHARGE OF CONSTRUCTION JB



0 MINUTES
FEB 11, 1957

DATA SHEETS

CAMP LEJEUNE
SPEC. 3886

NO. 700-10
CHARLES BRUNING COMPANY, INC.
10 x 10 to the inch.
PRINTED IN U. S. A.

WELL B.
CAMP GEIGER

30



WELL # B

PLACE - Geiger

DATE - 8 Feb 1957

ORIGINAL WELL CAPACITY G.P.M. 75

ORIGINAL WELL		TESTING	
Depth of Well	66	Depth after Cleaning -	63
Pump Size		Test Pump Setting	50
Pump Setting	50	Measured Static Water Level	16.2
Static Water Level	12.5	Depth of Air Line	50

Static on gauge 20' 0"

CONDITION OF WELL - Cleaned well of 4' of sand and gravel.

STATIC LEVEL ON GAUGE

Inches of water in dizometer tube	G.P.M.	30 Min.	45 Min.	60 Min.	1 Hour
	50	PL	PL	PL	PL 32
	52	PL	PL	PL	PL 36
	56	PL	PL	PL	PL 46 +
		PL	PL	PL	PL
		PL	PL	PL	PL
		PL	PL	PL	PL
		PL	PL	PL	PL
		PL	PL	PL	PL
		PL	PL	PL	PL
		PL	PL	PL	PL
		PL	PL	PL	PL

RECOVERY	
10 Sec.	34
20	PL 33
30	PL 32
40	PL 31
50	PL 30
60	PL 29.5
2 Min.	PL 26
4	PL 23
8	PL 22
16	PL 21.5
32	PL 20

Pumped 52 G.P.M. 37.5

WATER ANALYSIS

By _____

Date 8-13-43

Sample from WELL B
TENT CAMP

Total Solids _____ PPM Dissolved Solids _____ PPM
Suspended Solids _____ PPM Volatile Solids _____ PPM

Phenol. Alk. as CaCO₃ 0 PPM Silica as SiO₂ _____ PPM
Total Alk. " " 143 " Ferrous Iron as Fe _____ "
Carbonates " " 0 " Total Iron as Fe 0.3 "
Bicarbonates " " 143 " Aluminum as Al. _____ "
Chlorides as Cl. 17 " Calcium as Ca. _____ "
Sulphates as SO₄ _____ " Magnesium as Mg. _____ "
Nitrites as NO₂ _____ " Sodium as Na. _____ "
Carbon Dioxide as CO₂ _____ "

pH 7.5 Soap Hardness as CaCO₃ 162 PPM

Odor _____ Turbidity _____

REMARKS _____

WATER ANALYSIS

Date

Sample No.

ppm Suspended Solids ppm Dissolved Solids

ppm Total Alk. as CaCO3
ppm Total Alk. as CaCO3
ppm Carbon Dioxide as CO2
ppm Chlorides as Cl
ppm Sulfates as SO4
ppm Nitrates as NO3
ppm Sodium as Na
ppm Magnesium as Mg
ppm Calcium as Ca
ppm Aluminum as Al
ppm Total Iron as Fe
ppm Potassium Iron as Fe

ppm Total Hardness as CaCO3
Color Turbidity

REMARKS

WATER ANALYSIS

By N. H. Keller

Date 14 Aug 41

Sample from WELL No 3

BY LANE ATLANTIC CO

ON A ST. BETWEEN 1ST & 2ND STREET

Total Solids 236 PPM Volatile Solids 40 PPM

Suspended Solids 10 " Dissolved Solids 226 "

Phenolphthalein Alkalinity 0 " Silica 12.5 "

Total Alkalinity 120 " Ferrous Iron 0 "

Chlorides 18 " Total Iron 0.4 "

Sulphates 28.9 " Aluminum 4.4 "

Carbonates 0 " Calcium 86.5 "

Bicarbonates 120 " Magnesium 1.8 "

CO₂ TRACE Sodium 2.3 "

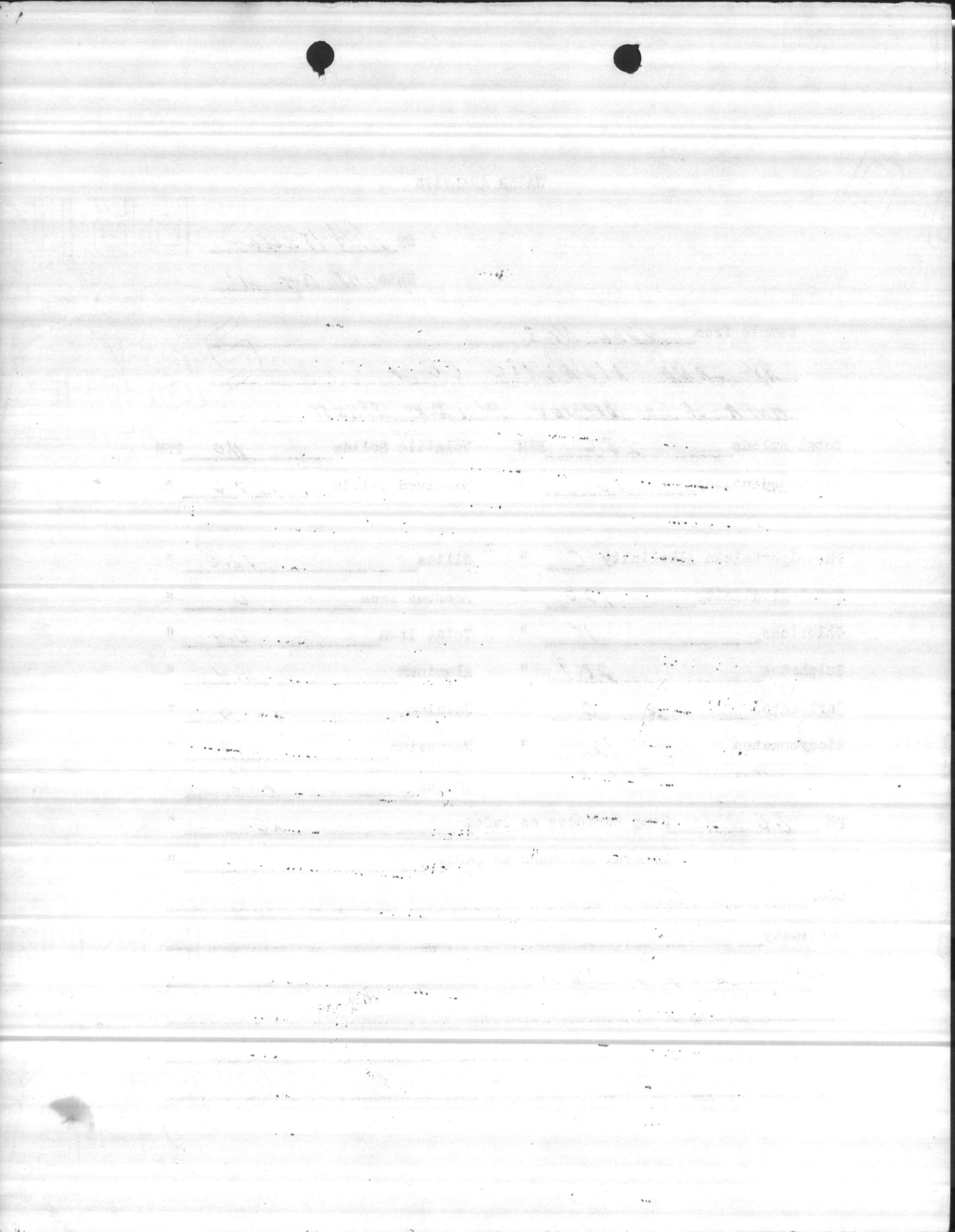
pH 7.6 Soap Hardness as CaCO₃ 180? "

Mineral Hardness as CaCO₃ _____ "

Odor 0

Turbidity 0

REMARKS SAMPLE VERY CLEAR



WATER ANALYSIS

By _____

Date 8-20-43

Sample from Well B . Tent Camp

Total Solids _____ PPM Dissolved Solids _____ PPM

Suspended Solids _____ PPM Volatile Solids _____ PPM

Phenol. Alk. as CaCO₃ 0 PPM Silica as SiO₂ _____ PPM

Total Alk. " " 140 " Ferrous Iron as Fe _____ "

Carbonates " " 0 " Total Iron as Fe 2 "

Bicarbonates " " 140 " Aluminum as Al. _____ "

Chlorides as Cl. 16 " Calcium as Ca. _____ "

Sulphates as SO₄ _____ " Magnesium as Mg. _____ "

Nitrites as NO₂ _____ " Sodium as Na. _____ "

Carbon Dioxide as CO₂ _____ "

pH 7.3 Soap Hardness as CaCO₃ 160 PPM

Odor slight Turbidity _____

REMARKS _____

WATER ANALYSIS

By _____
Date _____

Sample from _____

Total Solids _____
Dissolved Solids _____

Total Alk. as CaCO₃ _____
Total Hardness as CaCO₃ _____
Total Iron as Fe _____
Carbonates _____
Bicarbonates _____
Chlorides as Cl _____
Sulfates as SO₄ _____
Nitrates as NO₃ _____
Carbon Dioxide as CO₂ _____

Soap Hardness as CaCO₃ _____

Color _____ Turbidity _____

REMARKS

WATER ANALYSIS

By N. H. Kellam
Date Oct. 8, 1942

Sample from Well B

Total Solids _____ PPM Dissolved Solids _____ PPM
Suspended Solids _____ PPM Volatile Solids _____ PPM

Phenol. Alk. as CaCO ₃	<u>0</u>	PPM	Silica as SiO ₂	_____	PPM
Total Alk. " "	<u>136</u>	" "	Ferrous Iron as Fe	_____	" "
Carbonates " "	<u>0</u>	" "	Total Iron as Fe	<u>.3</u>	" "
Bicarbonates " "	<u>136</u>	" "	Aluminum as Al.	_____	" "
Chlorides as Cl.	<u>15</u>	" "	Calcium as Ca.	_____	" "
Sulphates as SO ₄	_____	" "	Magnesium as Mg.	_____	" "
Nitrites as NO ₂	_____	" "	Sodium as Na.	_____	" "
Carbon Dioxide as CO ₂	_____	" "			

pH 7.6 Soap Hardness as CaCO₃ _____ PPM

Odor _____ Turbidity _____

REMARKS _____

WATER ANALYSIS

BY _____

DATE _____

Sample from _____

Total Solids	_____	_____	_____
Expanded Solids	_____	_____	_____
Total Alk. as CaCO ₃	_____	_____	_____
Total Alk.	_____	_____	_____
Carbonates	_____	_____	_____
Bicarbonates	_____	_____	_____
Chlorides as Cl.	_____	_____	_____
Sulfates as SO ₄	_____	_____	_____
Nitrates as NO ₃	_____	_____	_____
Carbon Dioxide as CO ₂	_____	_____	_____

Hardness as CaCO₃ _____

Turbidity _____

Color _____

Remarks _____