

647

11-29-85

A-L	S-L	P-L	D-D	GPM	Psi	Time
70	27	35	18	100	35	15
		40	23	187	30	15
		50	33	197	28	15

INSTALLED

NEW

MOTOR

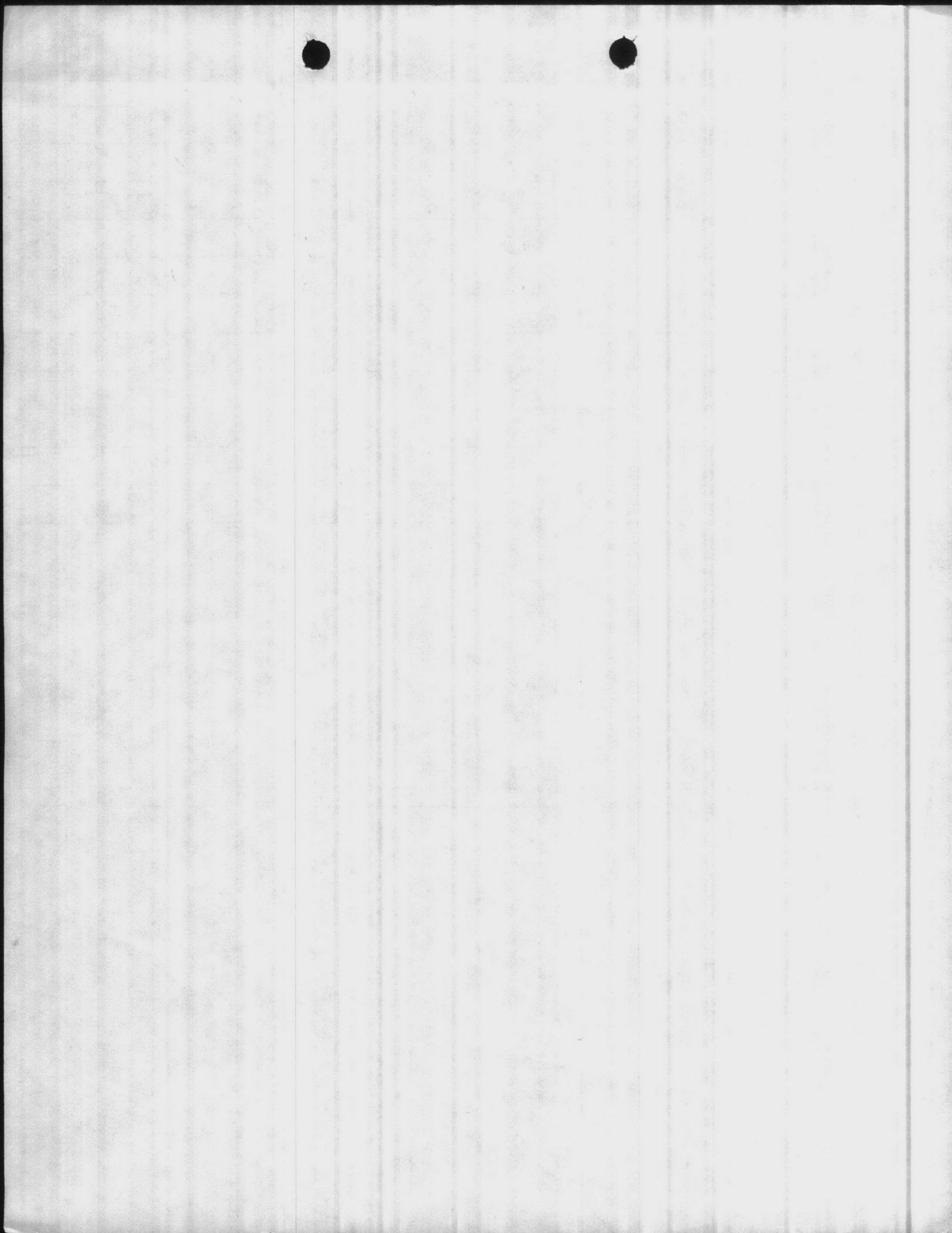
10 HP

10-2-95

WELL NUMBER		BY			DATE	
AIR LINE	STATIC LEVEL	PUMPING LEVEL	DRAIN DOWN	DISCHARGE PRESSURE	GPM	START TIME
647		Thomts / Brown			12-6-84	
70'	23	30	7	38	104	1415
		30	7	35	108	1435
		37	14	30	187	1445
		42	19	25	242	1455
		50	27	20	271	1505

REMARKS left set at 28 PSI 200 GPM JA
JA

MANUFACTURER	STAGE	S.N.	TOTAL HEAD	SIZE



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

O.M.B. No. 42-1485
Approval Expires June 30, 1979
This report is authorized by O.M.B. Circular A-67. While organizations other than Federal agencies are not required to respond, their cooperation is needed to make the results of this inventory complete.

1. AGENCY CODE MC	2. TYPE Q	3. LATITUDE 34 43 03 N	4. LONGITUDE 77 20 17 W	5.
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6. AGENCY STATION NO. HP-647	7. STATION NAME HP-670-647
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8. DRAINAGE BASIN CODE No. 06 Letter N	9. STATE CODE 32	10. COUNTY CODE 133	11. COUNTY NAME Onslow
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12. PERIOD OF RECORD Began 1972 Discontinued	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"/> 104 Reservoir	<input checked="" type="checkbox"/> 107 Well
<input type="checkbox"/> 102 Canal	<input type="checkbox"/> 105 Estuarine zone	<input type="checkbox"/> 108 Drain
<input type="checkbox"/> 103 Lake	<input type="checkbox"/> 106 Spring	<input type="checkbox"/> 109 Other

16. TYPES OF DATA AVAILABLE AND FREQUENCY OF MEASUREMENT (Enter appropriate number (1-8) beside each parameter to indicate frequency of measurement. For parameters telemetered, enter "T".)

1 Continuous	3 Daily	5 Monthly	7 Annual
2 Seasonal	4 Weekly	6 Quarterly	8 Other Periodic

Physical 311 Temperature 312 Specific conductance 313 Turbidity 314 Color 315 Odor 316 pH (field) 317 8 pH (lab) 318 Eh 319 Suspended solids 320 Other	Chemical 331 Dissolved solids 332 8 Chloride 333 Nutrients (nitrogen) 334 Nutrients (phosphorus) 335 Common ions 336 8 Hardness 337 Radiochemical 338 Dissolved oxygen 339 Other gases 340 Minor elements 341 Pesticides (insecticides, herbicides, etc.) 342 Detergents - MBS 343 Biochemical oxygen demand 344 Carbon (total, dissolved, etc.)	Biologic 361 Coliforms 362 Other micro-organisms (Benthic organism, phytoplankton, etc.) 363 Other Sediment 371 Concentration (suspended) 372 Particle size (suspended) 373 Particle size (bed load material) 374 Other
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17. SUPPLEMENTARY DATA AVAILABLE FOR STATION

<input type="checkbox"/> 421 Surface water station	<input type="checkbox"/> 423 Water stage or level	<input type="checkbox"/> 425 Time of travel
<input type="checkbox"/> 422 Ground water station	<input checked="" type="checkbox"/> 424 Water discharge	<input type="checkbox"/> 426 Drainage area

18. STORAGE OF DATA

<input type="checkbox"/> 501 Published	<input type="checkbox"/> 503 Data on punchcard	<input type="checkbox"/> 505 Other
<input checked="" type="checkbox"/> 502 Not published	<input type="checkbox"/> 504 Data on magnetic tape, disc, data cell, etc.	

19. INQUIRIES ABOUT DATA SHOULD BE SENT TO:

Office Base Maintenance Department, Utilities Division

Street No. Marine Corps Base

City, State, Zip Camp Lejeune, North Carolina 28542 City Code 0735

20. DATA ARE AVAILABLE TO PUBLIC ON REQUEST Yes No

21. OFFICE COMPLETING FORM
BASE MAINTENANCE DEPARTMENT

22. COMPILER'S NAME
BOB WILSON

23. DATE
12 Month **1976** year

100 03 02 00 110

HP-0-0-0

131 02 0

DATA: [illegible]

[illegible]

[illegible]

4" pipe 3" orifices

Time

647
DATE

LENGTH OF ATR LINE

STATIC LEVEL

PUMPING LEVEL

DRAW DOWN

DISCHARGE PRESSURE

CAP. PER FOOT OF HEAD DOWN

09:25

Mar 30, 82

70'

25'

33'

8'

30^{LB}

100

0940

37'

12'

27^{LB}

143

0955

set

40'

15'

24^{LB}

175

1010

43'

18'

21^{LB}

207

1025

46'

21'

18^{LB}

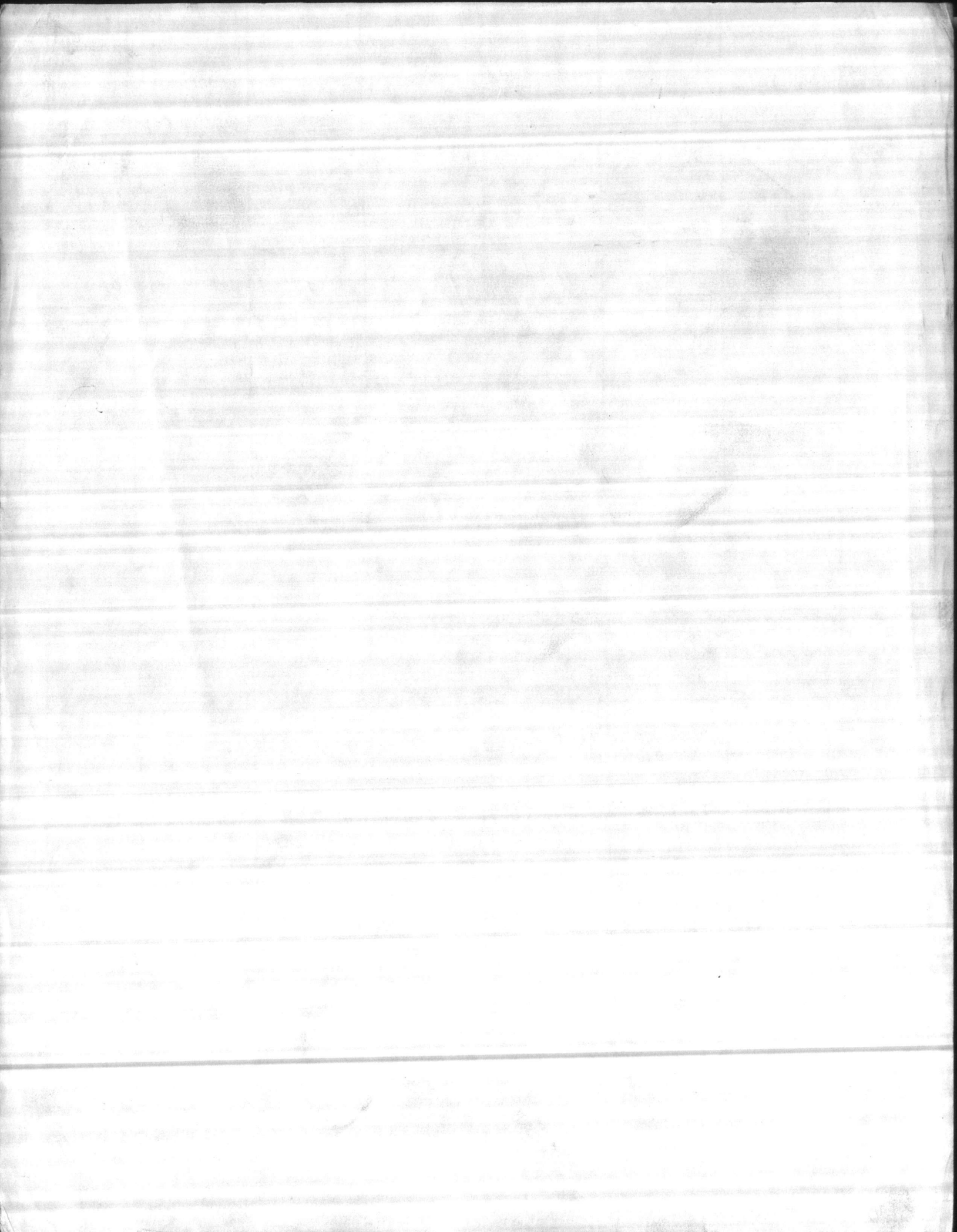
239

1040

REMARKS:

Static 25
Depth 200
altitude gage
(converted to direct reading)

NO OF
WELL
METERS
IS
METERS

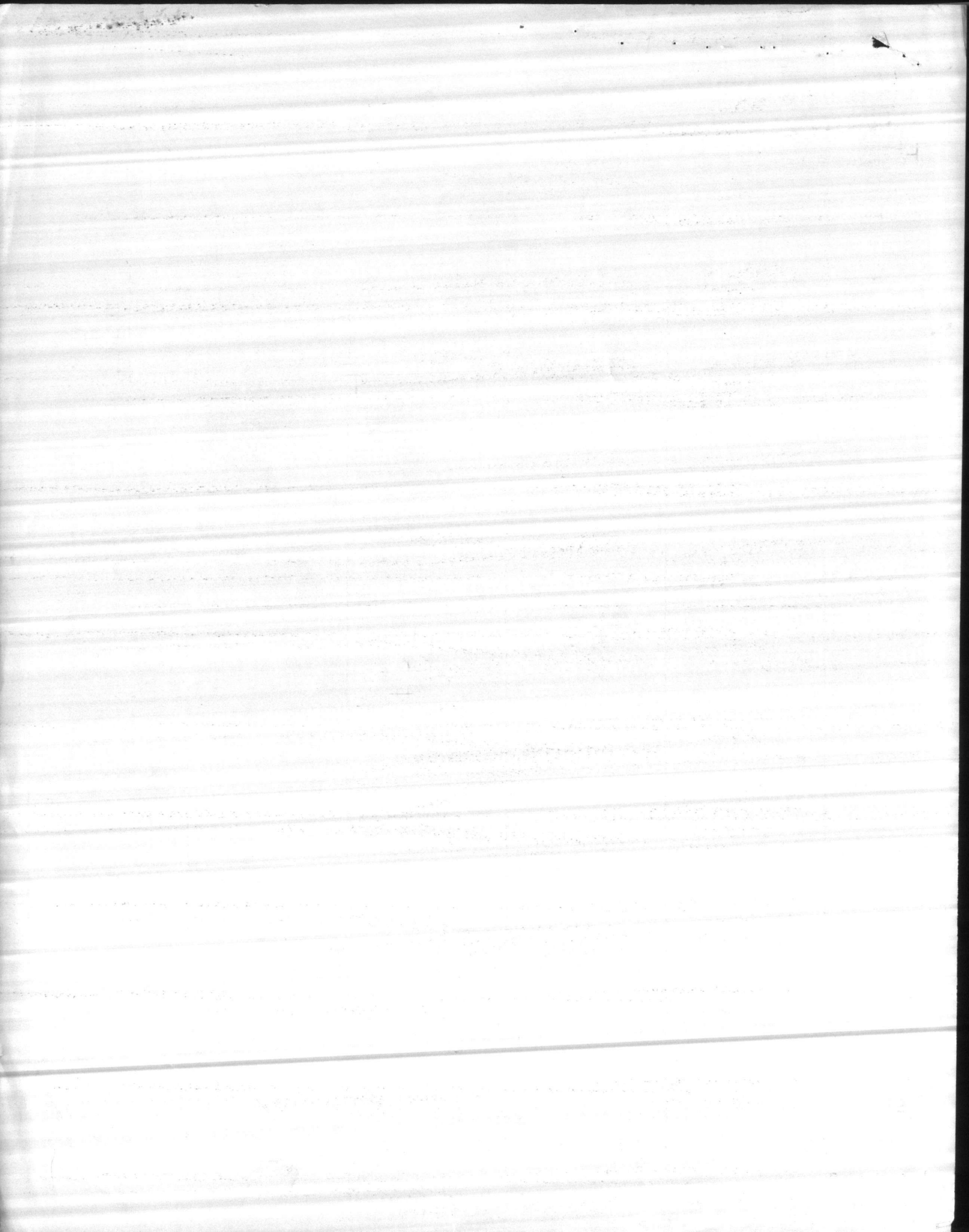


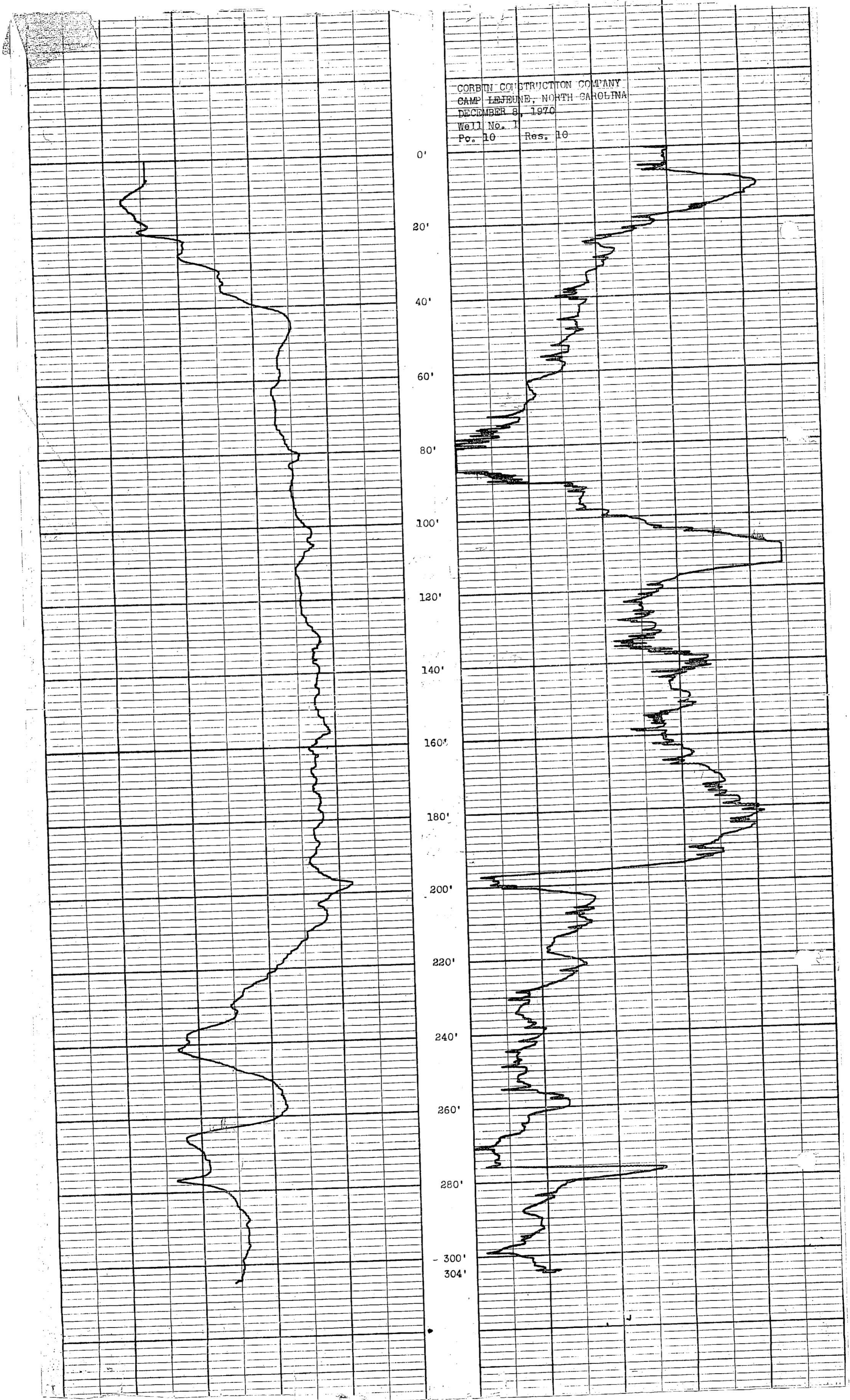
Well # 1

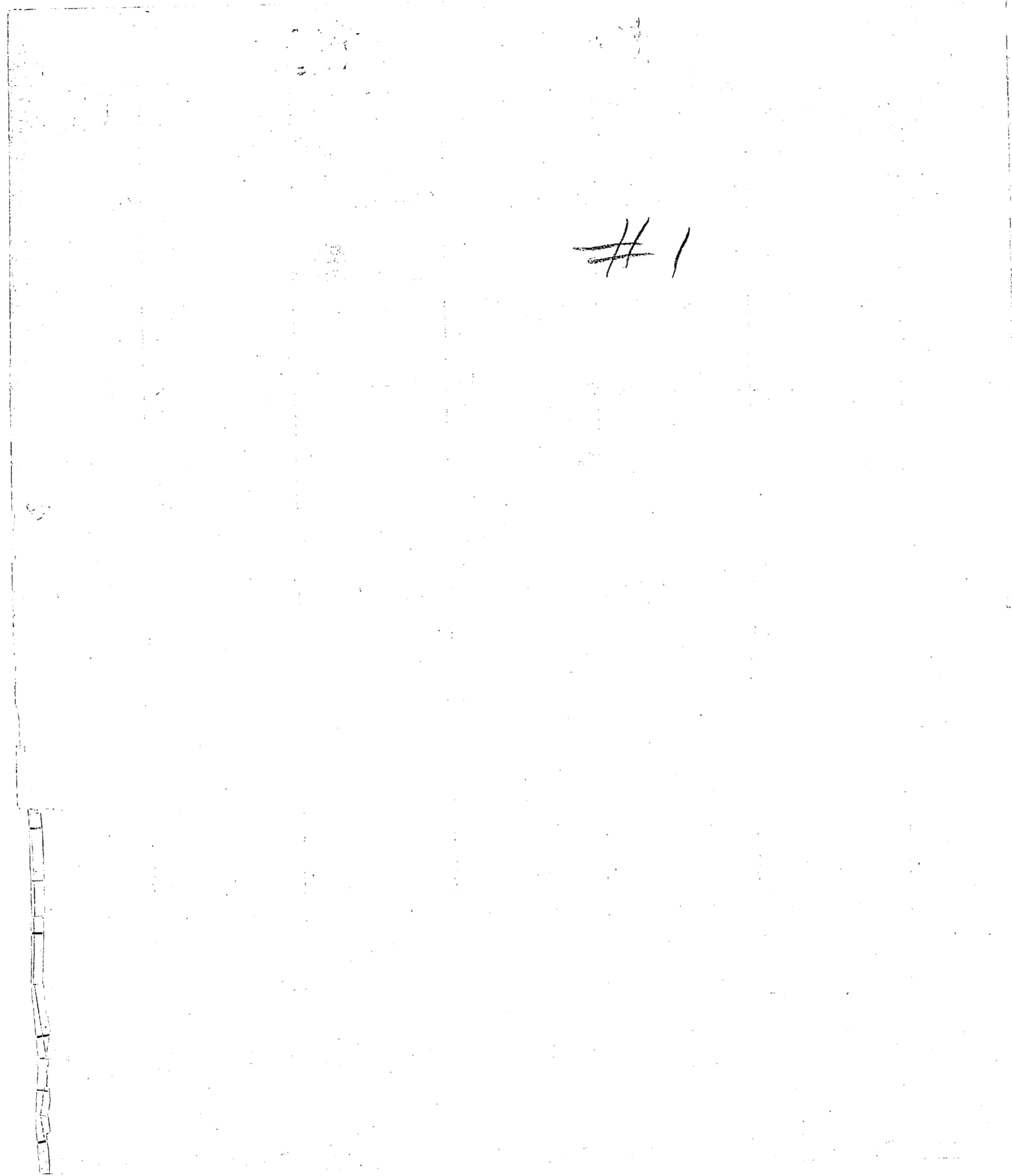
Discharge head per section 11A, par. 11A.3.1	----	44
Pumping level @ 260 gpm	----	47
Total head	----	91

Pump

8" RKHC 3 stage 10 hp



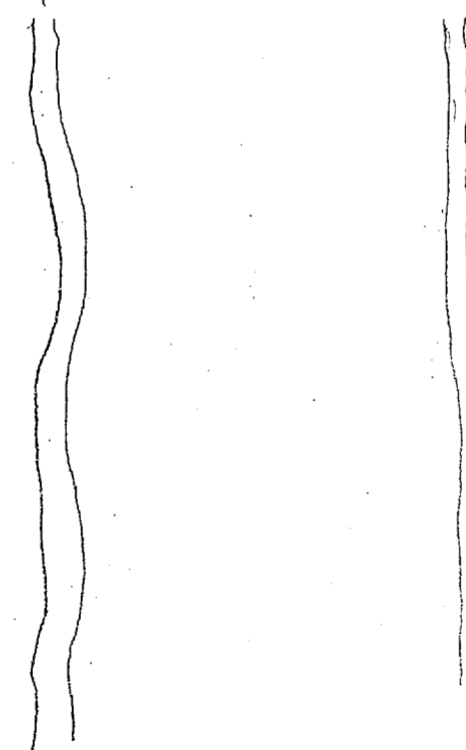




#1

FILE 15D#1

#1



BY _____ DATE 12-15
CHKD. BY _____ DATE _____

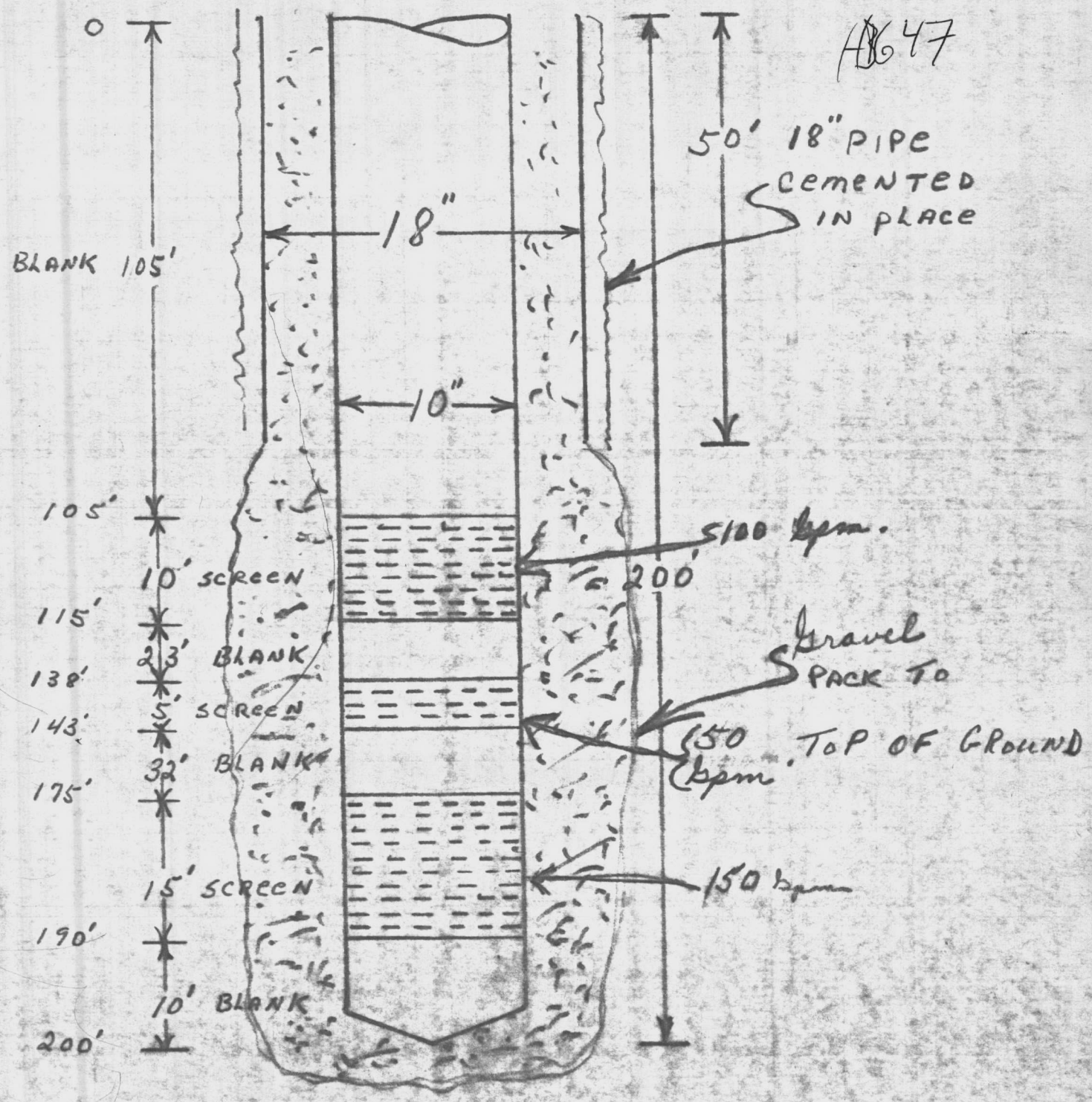
SUBJECT Casbin Construction
Camp Lejeune N.C.
Test Well #1

SHEET NO. _____ OF _____
JOB NO. 40936

FILE 15D #1

Proposed Sketch of Well #1

TOTAL
300 bpm



77A

Well #1

NORFOLK TESTING LABORATORIES

MEMBER OF THE

301 West Freemason St.

P. O. BOX 122

AMERICAN SOCIETY FOR TESTING MATERIALS

Telephones:
622-6136
623-3387

NORFOLK, VIRGINIA 23510

Lab No. See Below Date Rec'd. 12/14/70 Marked:- Corbin Construction Co.
Camp Lejune, Jacksonville, N.C.

Sample of Water

From Layne Atlantic Co.
Norfolk, Va.

647

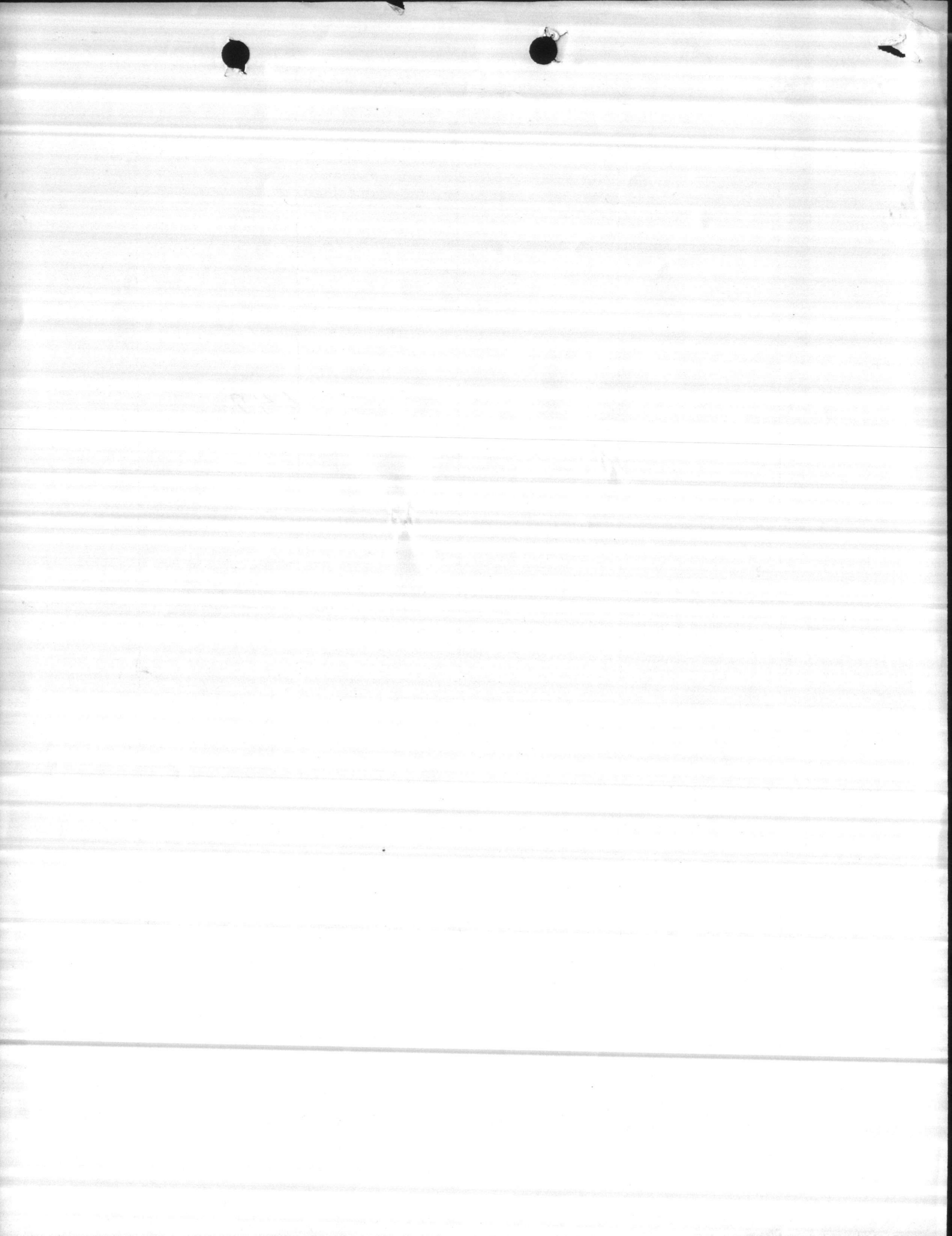
CERTIFICATE OF ANALYSIS

Lab. No.	117393	117394
Mark	Well 1/105-120 ft	Well 1/174-189 ft
	Parts Per Million	
Total Solids by Evaporation	256.0	272.0
Carbon Dioxide, CO ₂ , Free	None	None
Phenolphthalein Alkalinity as CaCO ₃	2.0	2.0
Methyl Orange Alkalinity as CaCO ₃	150.0	147.0
Hardness as CaCO ₃	137.7	29.6
Sodium Chloride as NaCl	92.4	92.4
Equivalent as Chloride, Cl	56.1	56.1
Iron, Fe8	.8
Calcium as CaO	82.8	76.4
Magnesium as MgO	1.7	1.6
Sulphates as SO ₃	None	None
Manganese as Mn	Less than .05	Less than .05
Turbidity180 turbidity units	155 turbidity units
Odor	None	None
pH Value	7.8	7.8

Respectfully Submitted,
Norfolk Testing Laboratories

Reported 12/16/70

J.P. Gutting Jr. Chemist

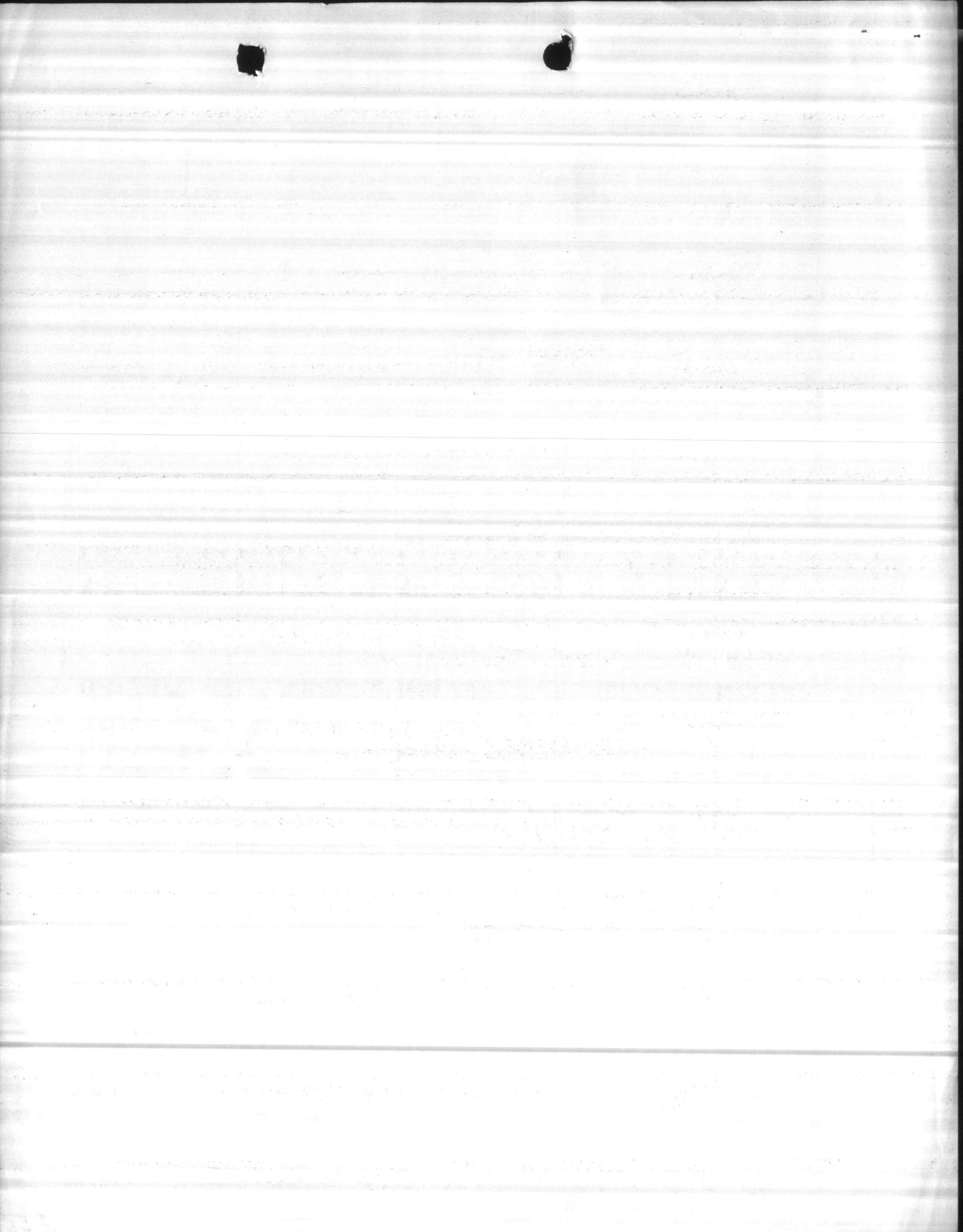


CORBIN CONSTRUCTION COMPANY
 Camp LeJeune, North Carolina
 Pumping Test Well No. 1
 January 5, 1972

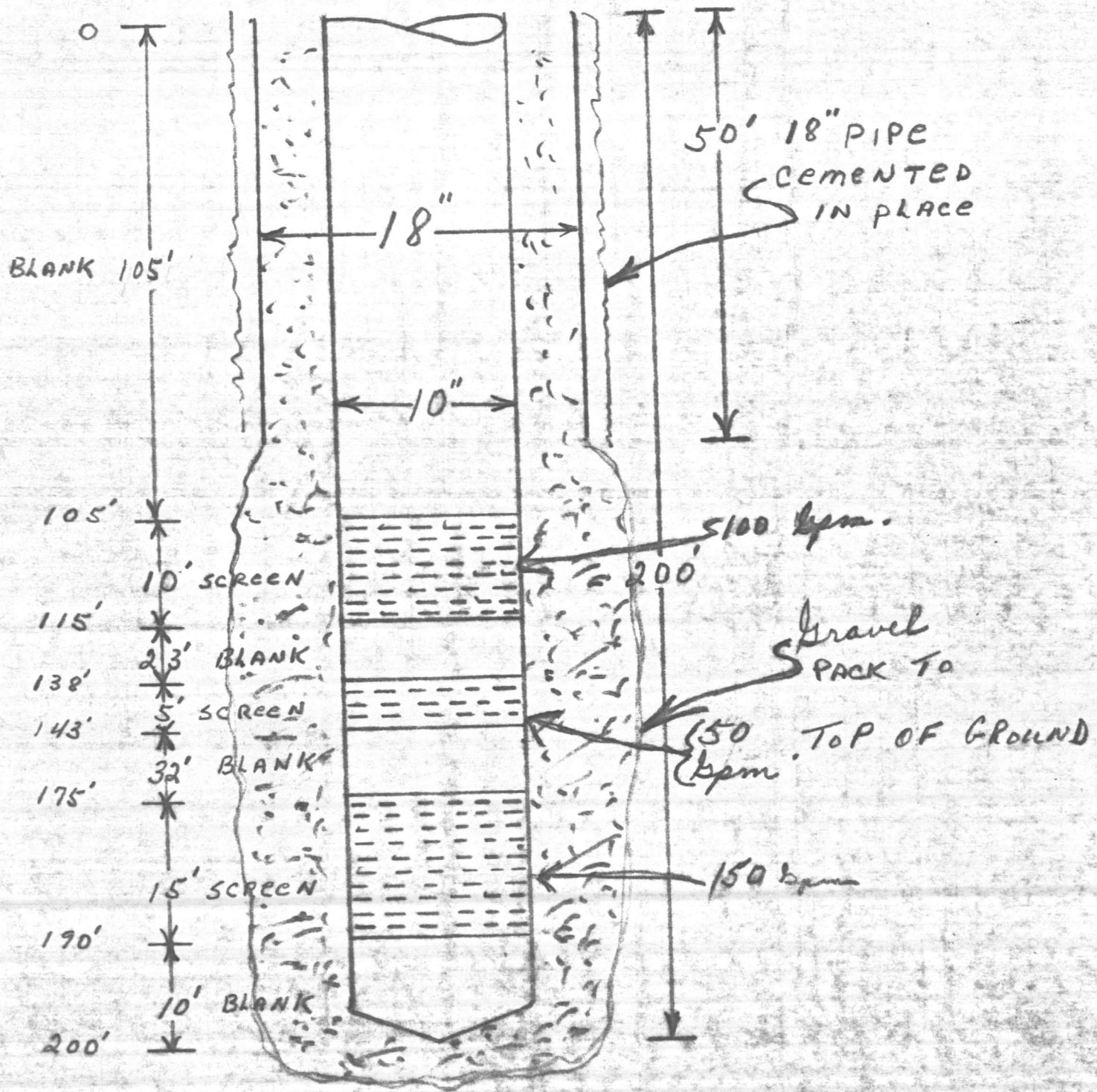
Static Level 21' 7"

TIME	GPM	PUMPING LEVEL	TIME	GPM	PUMPING LEVEL
2:00	125	36'	7:15	400	64' 7"
2:15	125	36' 1"	7:30	400	65'
2:30	125	37'	7:45	400	65' 1"
2:45	125	37'	8:15	400	65' 1"
3:15	125	37'	8:45	400	65' 3"
3:45	125	37'	9:15	400	65' 3"
4:15	125	37'	9:45	400	65' 4"
4:45	125	37'	10:00	450	70' 1"
5:00	160	39'	10:15	450	70' 4"
5:15	160	39'	10:30	450	71' 9"
5:30	160	39'	11:00	450	71' 9"
6:00	160	39'	11:30	450	71' 9"
6:00	160	39'	12:00	450	71' 9"
7:00	160	39'	12:30	450	71' 10"
7:30	160	39'	12:45	500	72'
7:45	200	43'	1:00	500	72'
8:00	200	43'	1:15	500	72'
8:15	200	43'	1:45	500	72'
8:45	200	43'	2:15	500	72'
9:15	200	43'	2:45	500	72'
9:45	200	43'	3:15	500	72'
10:15	200	43'	4:15	500	72'
10:30	250	45'	5:15	500	72'
10:45	250	45'	6:15	500	72'
11:00	250	45'	7:15	500	72'
11:30	250	45'	8:15	500	72'
12:00	250	45'	9:15	500	72'
12:30	250	45' 2"	10:15	500	72'
1:00	250	45' 10"	11:15	500	72'
1:15	300	52' 9"	12:15	500	72'
1:30	300	53'	1:15	500	72'
1:45	300	53' 1"	2:15	500	72'
2:15	300	53' 2"	3:15	500	72'
2:45	300	53' 3"	4:15	500	72'
3:15	300	53' 3"	5:15	500	72'
3:45	300	53' 5"	6:15	500	72'
4:00	350	58' 6"	7:15	500	72'
4:15	350	58' 8"	8:15	500	72'
4:30	350	58' 9"	9:15	500	72'
5:00	350	59'	10:15	500	72'
5:30	350	59'	11:15	500	72'
6:00	350	59' 2"	12:15	500	72' 5"
6:30	350	59' 5"	1:15	500	72' 5"
7:00	350	59' 6"	2:15	500	72' 5"
			3:15	500	72' 5"

260 GPM



Proposed Sketch of Well #1 TOTAL
300 bpm -



418 P. 11

Corbin Construction Co. Dec. 12, 1970

Camp Lejeune N.C. Job # 40936

Test Hole # 1

0'-5'	Clay
5'-10'	Sand white
10'-19'	Clay + Hard
19'-23'	Sand
23'-35'	Sand + Soft
35'-78'	Shells + Sand Hard
78'-87'	Blue Clay hard no sample
87'-105'	Sand, Soft lime stone
105'-125'	Soft limestone + sand
125'-168'	Soft limestone streaks of sand
168'-207'	Sand hard streaks of limestone
207'-255'	Sand + Rock soft
255'-273'	Clay Med.
273'-278'	Hard Rock
278'-305'	Clay + Rock Hard

Formation Log.

