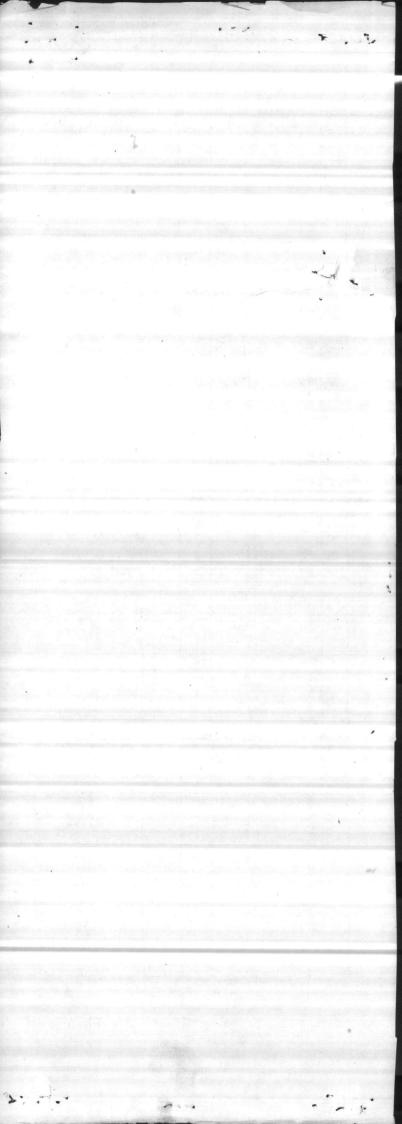


D.T.A. WETT No.12

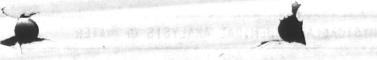


	PHYS	SICAL A	CHEMICAL ANALYS	IS OF WATER	SAMPLE	NO.
FROM	: (Station or unit)	Well	12-Bld	6/2	DATE 8	-8-57
то:	(Name and location of	laboratory)				
SAMPL	E FROM (Location of same	mpling point)				
COLLE	CTED BY	1	DATE	HOUR SOURCE (De	signate ground, surf	ace, raw, treated
	Will	rerow	8-8-57		Raw	
REASC	N FOR EXAMINATION			EXAMINATION REQUESTED BY		
	E: All results repo ductance. One liter			otherwise noted except in weigh one kilogram.	for pH, temperature	e, and specific
1.	FIEL	D ANALYSIS		III. ROUTINE	LABORATORY ANALY	SIS
1. pH			TEMPERATURE		(CHECK ONE)	
	k.	0 F	• C	REQUESTED	NOT RE	QUESTED
	ITEM		PPM	1. COLOR		
2. (ARBON DIOXIDE (CO2)				Belg	
	ISSOLVED OXYGEN (02)			2. TURBIDITY		
	YDROGEN SULFIDE (H2S))				
	HLORINE DEMAND (CI2)			3. ALK	ALINITY (CaCO ₃)	
FIELD	ANALYSIS BY			0	MO 16	5
				4. TOTAL HARDNESS (CaCO3)	168	/
DATE	OF ANALYSIS			5. NON-CARBONATE HARDNESS	(CaCO3) (By Compu	tation)
11.	SPECIAL LA	BORATORY ANA	ALYSES	6. CARBONATE HARDNESS (Ca	aCO) (By Computat	; \
				CARBONATE HARDNESS (C.	aco 3) (By computat	ion)
An	eck (X) individual item alyses. Request determ spected of being presen	ination only o	f those substances	7, TOTAL DISSOLVED SOLIDS		
(X)	ITE	M	РРМ	8. SPECIFIC CONDUCTANCE (A	Micromhos)	
	1. As					
	2. Se			ITEM		PPM
	3. Pb			9. CALCIUM (Ca)		64.8
	4. B			10. MAGNESIUM (Mg)		1.2
	5. Cu 6. Zn			11. SODIUM (Na) AND POTA	SSIUM (K)	
				12. HYDROXIDE (OH)*		0.0
-	7. Ct (Hexavalent) 8. PO			13. BICARBONATE (HCO3)*		165.0
	9. Cd		The state of the s	14. CARBONATE (CO3)*	190 - Albania - 190	0.0
	10. CN			15. SULFATE (SO ₄) 16. CHLORIDE (C1)		10.0
	11. Phenolic Comp	ounds (PPR)		17. NITRATE (NO3)	The second secon	10.0
	12. Others (Special			18. IRON (Fe) TOTAL		1.3-
	13.	AND THE STATE OF T		19. MAGANESE (Mn)		1.2
	14.			20. SILICA (SiO ₂)		
	15.	E-100-75-1		21. FLUORIDE (F)		The second second
	16.			*State whether determined	or computed from P	and MO alkalinity.
REMAI	KS (Such as unusual ap	pearance, taste	e, odor, etc.)			
		And the second second				
	ATORY ANALYSIS BY			A second		ANALYSIS

FORM 1 APR 53 710

REPLACES WD AGO FORM 8-125, 1 APR 45, WHICH MAY BE USED.

GPO 912375



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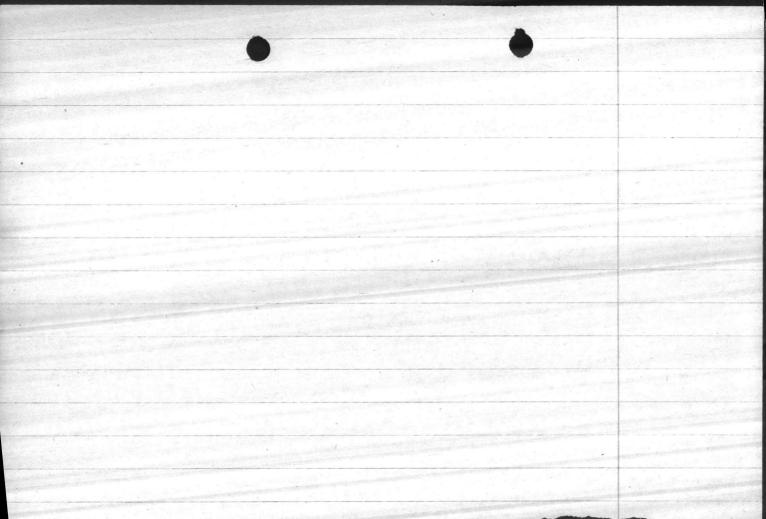
WELL #				The season of th			
612							
DATE	LENGIH OF AIR LINE	STATIC LEVEL	PUMPING LEVEL	DRAW DOWN	DISCHARGE PRESSURE	CAP. PER FOOT OF DRAW DOWN	TOTAL CAP.
MAR / 77	50	17	2.5	25	30		192
# 50 Halles and other solutions comprehens membershows a state of		AND	25	25	28		201
Mildergreen are to be created to the Parish Report and the section and the section as			26	24	26		214
Building (CERS) and O'L. Belson I Administry on Telephone management			27	23	24		219
Wild thinkers and the space of			27	23	(22)		222
NATIONAL TOTAL CONTROL OF CONTROL AND CONTROL CONTROL AND CONTROL			n 1984 all This areas o potter to group to relate a transportation to a footographic		A Secretary of special lines in the lines of		
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REMARKS:	TOP	SCREEN	60'		and the second contraction of the second con		
	MAX.	PUMPING	LEVE	6 501	FROM Pa	MP BAS	Line Commence of the Commence
	OR 10'	ON AIR	LINE	WITH 6	O' AIRA	INE	wang da a a afar maga maga maga maga maga maga maga ma
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* ************************************			LOT THE PROPERTY SERVICES AND THE PROPERTY OF				TRANSPORT AND
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- Quality	· ·		A Comment of the Comm	The second secon		TOTAL MARKET TOTAL STATE OF THE	Figure of a Section of Co.



Date	Well	G.P.M.		Static t.guage ft.	D.D. guage	Ft. Of D.D.	Shut off head ft.	
9-10.53	12	115	90	33.0	26.0	679	100 t	
11	12	175	65	-	17.	16		
9-14-57	/ 2	190	51.0	-	11.7	21.3	92.5	
9-19	12	200	48.5		11.7	21.3.	·	
						17		

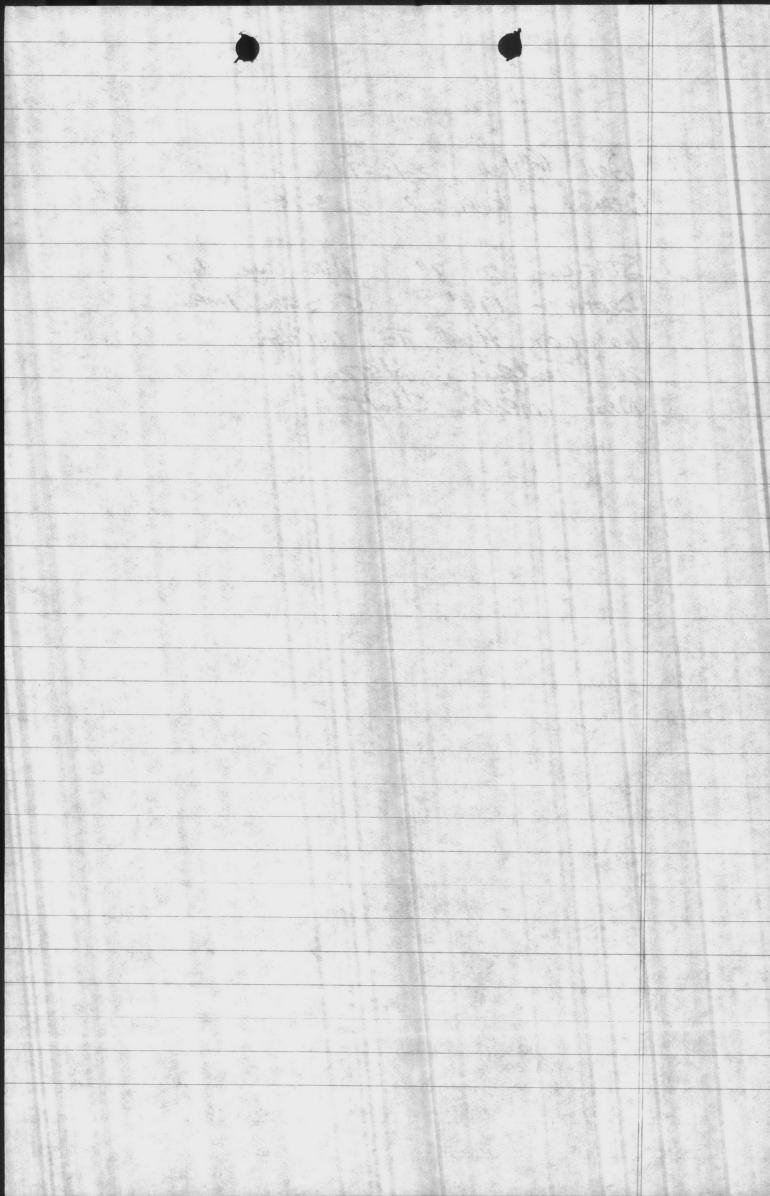
DISTRIBUTION FOREMAN'S LABOR DISTRIBUTION CARD ACCOUNT NO. NAVMC 10041-SD DATE WORK ORDER NO.

Bldg HP 612 Pump, Wertical turbine Jayne # AR-3428 Complete with discharge head setting 50 Capacity 200 GPM @ 84' TAH Bowelassembly 6 stage 7 MC 6' dise.



Well Pulled 2-13-78 Cleaned + Represed 2-23-78

STATIC - 20' 8" AIR LINE 60'
Depth - 174' 5 STAGE IMPEllon
60' from Head To IMPellon
20' Tailpiec W/STRAINER
New IMPEllon Shaft



9-1148. Well #

New Punptelled

Date Line G.P.M. D.D.

Ft. El. . Well # 12 Shut Off head FT. 6.5 -2.2 + 4.3 6-4-53 48 OLD AIR LIVE 9-10-63 98 115 +2.2279.12 100+ NEW AIR LINE 47. 16.12 9.10-53 175 92.5 21.3 9-14-53 51 190 -12.18 -12/18 21.3. 10-19.53 48.5 200 Dage - FT 7-2854 32 149/6 SE WELL 111 8/11/69 TEST. 30 9-4-19 +10.8 108 as of 3/1/67 weed 12 her a Pomonopup on Layne Beas Air Line - 58' (NEW LINE 9-10-53)



U.S. DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY E-OF WATER DATA COORDINATION

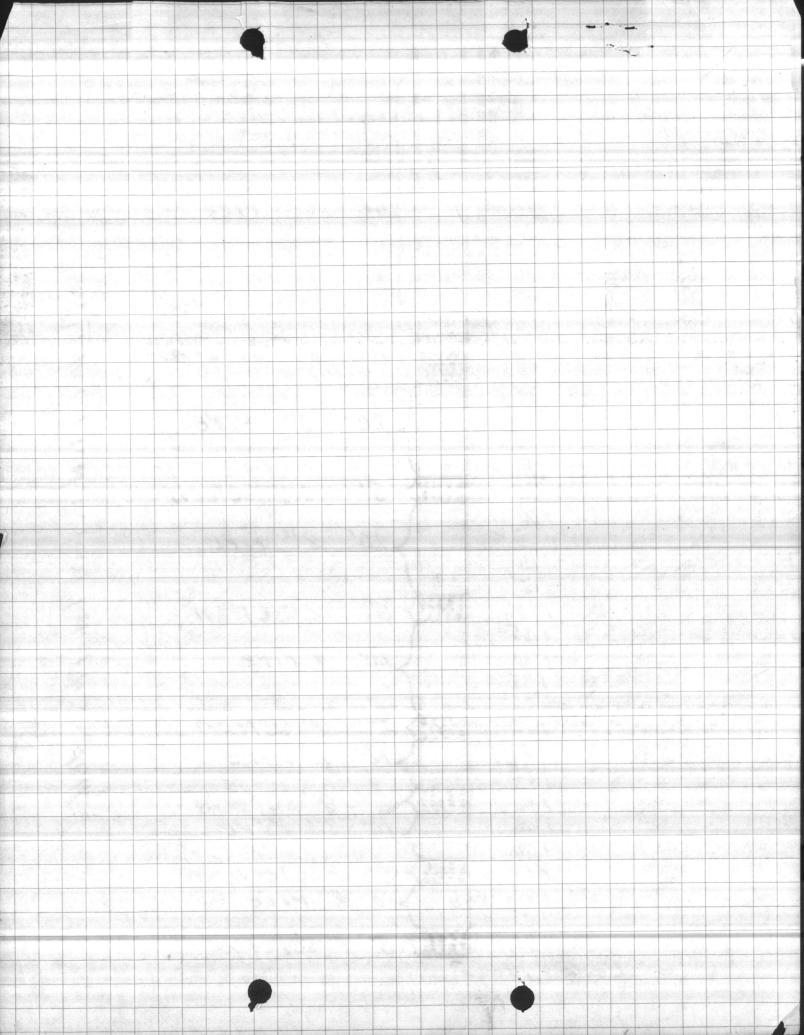
APPROVED. Budget Bureau No. 42-R1485 Approval Expires June 30, 1968

INVENTORY OF HYDROLOGIC DATA STATIONS QUALITY OF WATER

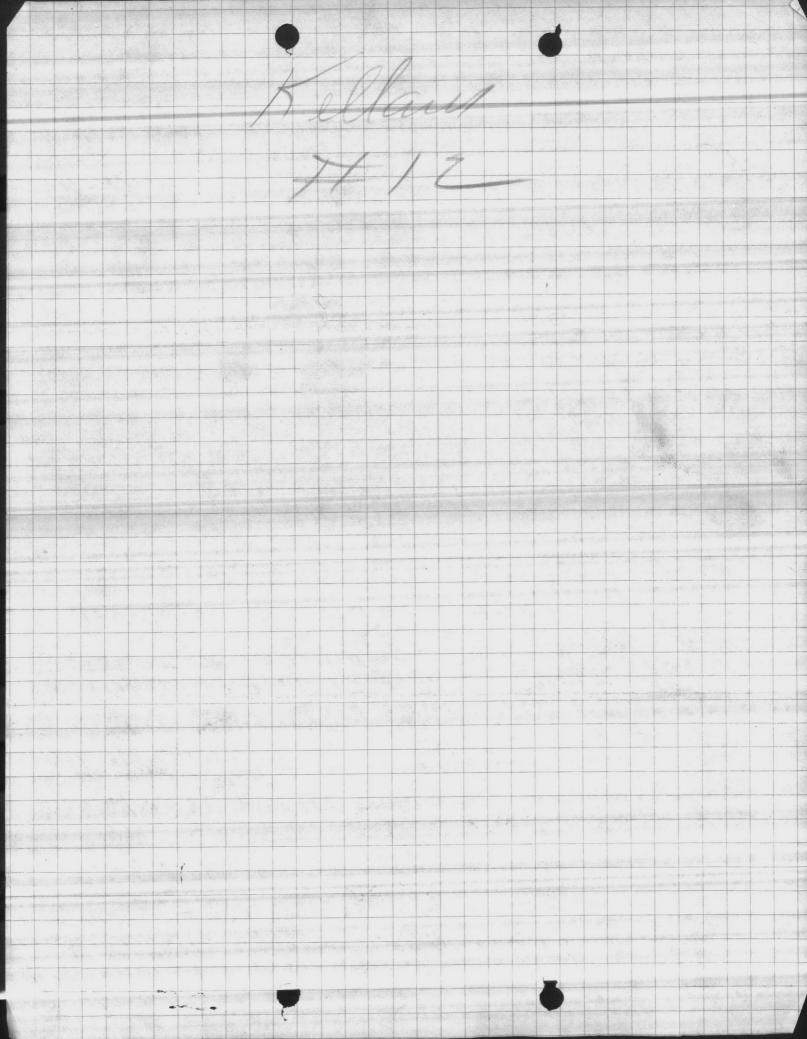
I. AGENCY CODE		4. LONGITUDE 5.					
6. AGENCY STATION NO.	7. STATION NAME	77 20 48					
8. DRAINAOL BASIN CODE No. Letter	9. STATE CODE 20. OLENTY CODE 11. CO	UNTY NAME					
12. PERIOD OF RECORD N Began Discontinued	Y Interruption Exceeds 1 Year	ONSLOW 14.					
15. SITE 1942 101'Stream 102 Canal	103 Lake 104 Reservoir 105 Estuary	106 Spring 107 Well 110 Other					
16. FREQUENCY OF MEASUREMENT 201 Continuous Recorder 202 Telemetered	203 Daily 204 Weekly 205 Monthly 206 Quarterly	207 Seasonal 208 Annual 209 Other Periodic 210 Occasional					
17. TYPES OF DATA AVAILABLE Physical 311 Temperature 312 Specific Conductance 313 Turbidity 314 Color 315 Odor 316 Radioactivity 317 pH (field) 318 pH (lab) 319 Eh 320 Other	Chemical 331 Dissolved solids 332 Chlorides Only 333 Nutrients (Nitrogen and phosphorus compounds) 334 Common ions 335 Hardness 336 Radiochemical 337 Dissolved oxygen 338 Other Gases 339 Other	Ørganic □ 351 Pesticides (insecticides, herbicides, etc.) □ 352 Synthetic detergents □ 353 Other Biologic □ 361 Coliforms □ 362 Other Micro-organisms □ 363 BOD □ 364 Other Sediment □ 371 Concentration □ 372 Particle size □ 373 Other					
18. SUPPLEMENTARY DATA FOR SITE 421 Surface Water Station 422 Ground Water Station	423 Water Stage or Level 424 Water discharge	425 Time of Travel 426 Drainage Area					
19. STORAGE OF DATA 501 Periodic Report 502 Areal Report	503 Not Published	505 Data on Magnetic Tape					
20. OFFICE AT WHICH DATA AVAILABLE Office							
Street No. BASE MAIN	DIVISION City Code						
City, State, Zip	AMP LEJEUNE N. C. 285h2	0735					
21. OFFICE COMPLETING FORM							
22. COMPILERS NAME NTENANCE DEPARTMENT 23. DATE Month Year 19							



Surfu Wey A 12 Rea grea 30 8 .. 60' Pipe 45 60 911 SCYEEN 8" 93 20' PIPE 11111 51 8" SCIEEN (X) 120 SCHEN 125 40' 8 Pire 30 10:0 SCYEEN 5 150 101 PIPE 20 8'SCREEN 160 60 70 75 8341604 0. 8. HIVE 80 SCYCEN Cement Place



400 0 + Aurenotion W 12/2 /166 av. 5,2111/ed at derto UF 1904+1 57 7 776 14 1746 70 371 Fine 3000 000 Clay Milled 4070 blue C/04 30475 hel Rock With Lote of fine 47.77 81 2118 5010 9470871 SUCK BOCK DUD SOND 75110 hard shell ROOK 119: 75 138 MINDER HOND STORM NOCK Shell hock and fine sond In Thin 43466 190 10 198 Jine Sonday Muck 2/3 0 16.85 36.15 25.0 7.15



WATER ANALYSIS

By N. H. Nellam
Date 6/19/42

Sample from Well N	0. 1	12	
Total Solids	PPM	Dissolved Solids	PPN
Suspended Solids	_PPM	Volatile Solids	PPM
Phenol. Alk. as CaCo3	PPM	Silica as Sio2	PPM
Total Alk. " " 184	_ "	Ferrous Iron as Fe	
Carbonates " "O	. "	Total Iron as Fe	11
Bicarbonates " " 184	<u>_ "</u>	Aluminum as Al.	- 11
Chlorides as Cl. /5	11	Calcium as Ca.	
Sulphates as SO ₄	_ "	Magnesium as Mg.	
Nitrites as No2		Sodium as Na.	11
Carbon Dioxide as CO2	_"		
pH 7.4 Soap Hardness as (PPM
0dor 5/194f	-	Turbidity 40	
REMARKS GIT Prmp			
Well Was Not			1
to clear xp.			

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	Tagnesium as Ig.	9 7			a gestalqfot
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Merine Barracks New River, N. C. June 22, 1942

WELLS-PERMANENT WATER SUPPLY-Rog. Area By Layne Atlantic Company

Report on Well No. 12 Reg. Area

Location:

2505 ft. west of sta tion 355 / 57 on main access road as

shown on M.B. Drwg. No. 521.

Date Drilled:

June 1942

Drilling Equipment: Rotary Rig and Bits.

Status:

Ground elev. 31.4

A 23" hole drilled to a depth of 20, 20, of 18" steel caseing set and the anular space filled with cement grout. A 174" hole was drilled inside this caseing to a total depth of 1981.

Log of Forma tions

0 to 5 5 to 17.5 17.51 to 371 371 to 471 47" to 81" 81º to 84º 841 to 871 87º to 110 110 to 138 138 to 190 190 to 198

Top soil Fine sand and clay mixed Hard blue clay Hard shell rook Soft shell rock with lot of (fine sand Fine sand

Shell rock and sand Hard shell rock Medium hard shell rock

Shell rock with thin layers of Fine sandy muck (fine gand

Remarks:

Due to the presence of fine sand in the shell rock it was

necessary to construct a gravel wall well.

Well finished at 1901.

Gravel wall construction: 190° of 8" steel pipe with sections of armco iron screen was set in the well and the anular space was filled with z" gravel.

material and the state of Practice of the section of AND THE MARK and the little and the little TO A PARTY OF THE and set all the limit restablish AND A STATE OF THE RESIDENCE TO SHEET AND THE STATE OF THE STATE OF THE STATE OF A STATE OF THE STATE OF THE STATE OF RELL BUT YOU DISTRIBUTED Carta 198 March 1981 Commission patrices san with Lines to the saidy with the reservoir to the state of the said to the said the said to the to dee the first or one page that the get the which are one a subtiliance of the live Carried Sales Carrell Title de 40. 34 m The service of the ser The same of the sa man in the second of the second THE WARRY 10.1 CONTRACTOR OF THE PARTY OF THE I AN AN MARK CLASS OF ... * - 3 - 4 -acodesta they supply the later to be CELEVISION TO STATE OF THE PARTY OF THE PA (1) (1) (1) (1) (1) (1) (1) (1) the at your Light of the as \$100 to reputable and to a The transfer of the second of the second A TON BOOK TO THE

above and special production the profession and the first conditional Continues.

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WELL DATA

Well No. 12

SPECIFICATIONS

Pump Base Elevation	33.8
Ground Elevation	31.8
Static Elevation	415.0
Maximum allowed Drawdown	-14.0
Total Discharge	200 G.P.M.
Total Head	90 Feet

TEST

190 G.P.M.	24#	Pressure	Drawdown	+1.3
200 G.P.M.	22#	Pressure	Drawdown	-0.3
220 G.P.M.	20#	Pressure	Drawdown	-1.3
250 G.P.M.	17#	Pressure	Drawdown	-2.5

Recovers to elevation # 13.0 in three (3) minutes.

Air line 61.2 Flex DP 6 voice 33.8 Sit John Films

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& Savid Diovables
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Total Diovables

.3.6 916 9.81 10.00 90.00 90.00

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328 July 46 32 33 3

Log	of	Screen	Settings	60	Subject Control	601 701	. 8"	pips screen pips
				90	to	95	8"	screen
				115	to		8"	pipe screen
				120	MINOR WALLES			pipe screen
				145 155	Sec. 2017 1943	Market Company of the		pipe screen
	4	a Ferm		160 170	to	170	81	pipe
, w				175	to	185	81	pipe
				185	60	730	•	screen

40° of screen in all was placed in this well.

Air Line:

60' of the pipe was welded to the 8" pipe for air line.

Static Level:

16.85 below surface,

Pumping:

This well was pumped with air lift and flow was measured with a 12" weir. Well pumps 190 G.P.M. with a 36.15' D.D. from static level. Recovers to 8.15' below static in 3 minutes.

The air pump broke down before this well was completely cleared up and no complete chemical analysis was made.

N. H. Kellum Asst. Chem. Eng.

File W paralogether by the self 10073. Pa 1,15-63 (3) · 股份力 Assessment of 中华 一大大学 A.34.10 是一个一个 0.2 - 8 - 1 Market C. Duly 1 Chief The State Buch TE TOTAL STATE C. POR PE to from the F WELL TR THE WALL CLASS W.L. A Francisco 如何一个路 a line and the periods was also all the species for Mar the second of the second secon A STATE OF THE STA A. Mr. - March 1967 中国的X

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220 G.P.M.	20/	Pressure	Drawdown	-1.3
250 G.P.M.	17%	Pressure	Drawdown	-2.5

Recovers to elevation + 13.0 in three (3) minutes.



PUMPING TEST WELL NO. 12 Hadnat Point (Location)

	Shut-Off Head Pressure	29
, 8	Static Level Reading from height of gauge on base	010
	********	•
26	60 Lb. Head Pressure	100
	D/a	33

24	55 Lb. Head Pressure	132至
	D/d	38
	**********	, .
99	50 Lb. Head Pressure	150
~~	D/d	HI

20	15 Lb. Head Pressure	170
	D/d	H3

17	40 Lb. Head Pressure	200
	D/d	H 5

	Well Recovers to 33 Ft. in 2 Minutes.	

Date Tested Aug 11th 1945

this well will pump some sand at 140 S.P.m.

