RECORD

7530-00-222-3525
FEDERAL SUPPLY SERVICE
(GPO)

~~WELL 6~~01

Pump on trailer

DATE

wisconsin
512D 409796 6068579

WELL 602

WELL 603

ran GPM 12-31-87 W/D 195 P/S 70

A/L 63 S/L 19 P/L 58 D/D 39 PSI 60 GPM 157

8-31-88 replaced Battery

2-16-89 ran GPM dead head @ 104

W/D 195 P/S 70 A/L 63 S/L 18 P/L 58 D/D 40 GPM 149 PSI 60

3-26-90 dead head 100

A/L 63 S/L 25 P/L 55 D/D 30 GPM 128 PSI 64

WELL 606

1-5-88 raw GPM

A/L 80 S/L 18 P/L 25 D/D 6 PSI 8 GPM 137

2-13-89 raw GPM not Producting

2-14-89 Pulled pump & AT# well

2-15-89 Blew well with air

3-2-89 water jet well with pressure tank
installed a new Pump

3-26-90 raw GPM A/L 80 S/L 20 P/L 58 D/D 38 PSI 8 GPM 267

WELL 607

10-17-88 ran GPM Dead head 88
A/L 90 S/L 30 P/L 80 D/D 50 PSI 25 GPM 266
1-25-90 replaced battery & clamps.
3-26-90 ran GPM Dead head 88
A/L 90 S/L 30 P/L 76 D/D 46 PSI 20 GPM 246

WELL 609

3-27-90 ran GPM app 75 GPM
need to pull

7- 90- pulled well pump & took to salvage

7-24-90 - blew well with air -
Static -16 -depth-145'

installed pump from 608 -- set @ 70'
5" column 1" shaft with 70' air line
8-10-90 ran GPM A/L 70 S/L 15 P/L 60 D/D 44 PSI 50 GPM 199

610

well 610. 9-20-88.

A/L 70', S/L 30', P/L 48, D/D 18', PSI 5, GPM 222

DH 62psi

AL 70' SL·3^{2} PL-46 DD-14 PSI-5 GPM-214 4-3-90

613

well 613

9-20-88

A/L 51', S/L 17', P/L 35', D/D 18', PSI 1, GPM 175.
Dead Head 43psi Amps 14.7/15.5/14.8
adjusted empellers

3-10-89 replaced battery

12-11-89 replaced battery

3-28-90 A/L 51 S/L 17 P/L 36 D/D 19 PSI 0 GPM 140

10-15-90 - pulled pump set at 51', with 51' air line, 5" column - 1" shaft - broken shaft & pump broken

10-16-90 - S/L 19', depth 152' - water jet well
used about 4 lb. of HTH

12-12-90 installed new pump - set @ 50' with 1" shaft
50' air line, 10' X 6" tail pipe w/ strainer

12-13-90 new GPM A/L 50 S/L 21 P/L 38 D/D 17 GPM 159 D/H 52

616

9-1688

A/L 61', S/L 31', P/L 46', D/D 15', PSI 19, GPM 164,
3-28-90 A/L 61 S/L 32 P/L 47 D/D 15 PSI 10 GPM 178

3-28-86 Pulled pump - had droped in well - recovered all but bottom of pump + tail section

4-2-86 Picked up new pump, motor, head, shaft column from 1011

4-7-86 made plate for pump head

4-8-86 removed discharge line, ~~ag~~ installed new gate valve, made spool for discharge line

4-9-86 removed dresser gasket, cleaned + replaced alined line with pump head

4-14-86 installed pump - Gould pump

4-15-86 installed motor, installed air line, installed pre-lube line, adj impellers,

4-16-86 ran GPM,
A/L 50 S/L 20 P/L 30 P/D 10 PSI 27 GPM 201

-88 Pulled pump disassembled - order new pump

11-22-88 started installing pump - set @ 30' with 5" column + 1" shaft with 12th thread per in. - 9' X 5" tail with strainer - used Gould Pump SN MS1-88-372 model 8RJLO 4 stage Dated 11-88, took shaft to machine shop to cut head shaft

11-29-88 Completed installing Pump - amp motor 13+14 amps
ran GPM A/L 48 S/L 20 P/L 38 D/D 16 PSI 25 GPM 190

4-4-90 A/L 48 S/L 24 P/L 29 D/D 5 PSI 22 GPM 151

10-18-88 - ran GPM Dead head 126 ~~time~~
A/L 90 S/L 18 P/L 73 D/O 55 GPM 349 + PSI 20
lift set on 28 lowest set point
1-12-90 - replaced battery

10-18-88 ran GPM

A/L 115 S/L 28 P/L 53 O/D 25 1520 GPM 212

10-18-88 ran GPM Dead head 100

A/L 115 S/L 28 P/L 53 D/D 25 PSI 70 GPM 212

628

11-17-86 628 Checked moter bearings & gear drive. Possible bad moter bearing (upper).

10-18-88 ran GPM Dead head 60

A/L 88 S/L 20 P/L 68 D/P 48 PSI 10 GPM 190

4-4-90 A/L 88 S/L 18 P/L 63 D/P 45 PIS 10 GPM 172

ATE	EQUIPMENT	USMC OR SERIAL NO.	ORGANIZATION
7-24-90	air Compressor	275574	water treatment

OPERATIONAL		TIME		HOURS OR MILES		REPORT TO *(Location)*	RELEASED BY *(Signature – Time)*
	1ST OPERATOR	IN	1700	STOP	254.0	647 609	
	DISPATCHER'S SIGNATURE	OUT	0800	START	250.0		
		TOTAL		TOTAL	4.0		
	2ND OPERATOR	IN		STOP			
	DISPATCHER'S SIGNATURE	OUT		START			
		TOTAL		TOTAL			

WORK PERFORMED	1ST OPERATOR
	2ND OPERATOR

SERVICE	FUELS		LUBES			OIL CHANGE		LUBRICATION		PM SERVICE		
	DIESEL (GAL)	GAS (GAL)	OE (QTS)	GO (QTS)	GREASE (LBS)	HOUR/MILE DUE	HOUR/MILE COMPLETED	HOUR/MILE DUE	HOUR/MILE COMPLETED	TYPE PM DUE	HOUR/MILE DUE	HOUR/MILE COMPLETED

EMARKS

1ST OPERATOR'S SIGNATURE
J C Thomas

2ND OPERATOR'S SIGNATURE

EQUIPMENT FOREMAN'S SIGNATURE

ENGINEER EQUIPMENT OPERATIONAL RECORD

(11245) NAVMC 10523 (REV. 8-86) PREVIOUS EDITIONS MAY BE USED.
SN: 0000-00-005-6304 U/I: PG

DAILY "A" PM SERVICE

Legend for marking

A — Adjust
C — Check
L — Lubricate
S — Service
V — Verify
/ — Not applicable
X — Adjustment/Repair Required
O — Defect Corrected

ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR	
		BEFORE	DURING	AFTER			
1	DAMAGE, PILFERAGE, LOSS	C	/	C			
2	LEAKS, GENERAL	C		C			
3	FUEL, OIL, WATER	V		S			
4	ENGINE WARMUP	C	/				
5	INSTRUMENTS	C	C				
6	SAFETY DEVICES	C					
7	TOOLS AND EQUIPMENT	C					
8	PUBLICATIONS	V	/				
9	CLUTCH	V	C				
10	STEERING	C	C				
11	ENGINE OPERATION	/	C	/			
12	UNUSUAL NOISES	C	C	/			
13	LIGHTS AND REFLECTORS	C					
14	AIR TANKS	S		S			
15	DRIVE BELTS	C		C			
16	BATTERY ELEC. LEVEL	C	/	S			
17	ANTIFREEZE TEST TO_____° F	V	/				
18	SERVICE BRAKES	V	C				
19	TRANSMISSION	C	C				
20	AIR FILTER	V		S			
21	FUEL FILTERS	S	/	S			
22	TIRES/TRACK	C		C			
23							
24							
25							

NOTES:

1. *Add other coverages and procedures designated by the appropriate technical manual.*
2. *8 and 10 hour scheduled PM's are considered as daily PM services.*
3. *If repairs are required, notify the equipment chief.*

REMARKS

☆ U.S.G.P.O.: 1986- 740-003/50111

11-17-86 - air line leaking
1-27-86 cleaned strainer + blow off valve
7-2-87 Put in battery from Camp Johnson.
10-18-88 run GPM Dead head @ 82
A/L 100 S/L 50 P/L 90 D/P 40 PSI 32 GPM 221
ran GPM in march 90

11-17-88 Pulled motor took to elect shop (Bearings)
1-2-89 installed motor
2-2-89 installed oil res.
3-29-90 A/L 63 S/L 12 P/L 33 O/D 221 PSI 15 GPM 224

9-16-88 Deadhead 38 AMPs 19,16,17

A/L 72, S/L 40, P/L 57, D/O 17, PSI 8, GPM 222

3-28-90 A/L 72 S/L 40 P/L 58 D/O 18 PSI 8 GPM 205

10-20-86

rean GPM   Dead head 45

A/L 63 S/L 18 P/L 52 D/O 34 PSI 12 GPM 178

4-5-90 A/L 63 S/L 20 P/L 53 D/O 33 PSI 12 GPM 151

5-4-87 Pulled pump, needs to be replaced
Blowed out well.

6-19-87 installed new pump - Valley
pump set at 70' with 5" column, 1/8" air line
70', shaft 12th PI, pump 14th PI.
Pump 225 GPM 100 ft head Mod 8MMO-5A
RPM 1800 SN 684-5004 Code X83 Valley
ran GPM

6-19-87	A/L	S/L	P/L	DD	GPM	PSI
	70	20	58	38.	207	27

10-20-88 Ran GPM Dead head 35
A/L 70 S/L 27 P/L 57 D/D 30 GPM 157 PSI 8

4-10-90 ran gpm
AL-70 SL-23 PL 53 DD-35 GPM 150 PSI 10.
Dead head @ 35 PSI

4-14-86 -

4-14-86 - replaced battery to aux engine, cleaned ratchet drive on motor

6-25-86 replaced battery to aux engine

9-22-88 ran GPM

A/L 125 S/L 25 P/L 103 D/D 78 PSI 5 GPM 199

4-14-86 drive shaft loose cleaned & installed

11-30-88 Started Pulling pump - pulled 75' & droped rest
has 12th PI oil tube 5" column 1" shaft

12-8-88 fished pump out of well - pump was set
@ 60' with oil tube & 1 3/16 shaft had to
cut to remove -

12-9-88 Blew well app. 30' sand

1-30-89 completed installing pump - set @ 65' with
1" X 14th shaft, 50' air line

1-31-89 ran GPM, Dead head 55 PSI
A/L 50 S/L 10 P/L 46 D/D 34 GPM 277 PSI 15

8-7-41- pulled well pump - set at 70' with 6" Column
oil tube W/D 178' / S/L 24
- started installing well pump - with 5" Column
old pump 1" shaft - 12 & 14 thread (1) 14th) 2
12 X 1 X 14 X 1 thread
Completed installing pump

12-10-86 A/L 108, S/L 26, P/L 64, D/D 38, GPM 319, PSI 25.
10-20-86 A/L 108 S/L 35 P/L 73, D/D 38, PSI 10 GPM 349
~~10~~4-5-90 A/L 108 S/L 26 P/L 70 D/D 44 PSI 10 GPM 351

12-31-87 raw GPM

A/L 112 S/L 22 P/L 82 D/D 60 D/P 7 GPM 128

10-20-88 raw GPM dead head 44

A/L 112 S/L 50 P/L 82 D/D 32 PSI 7 GPM 119

4-10-90 raw gpm

AL 112 SL 50 PL 82 DD 32 80 Gpm

PSI 7 need pulling.

Pulled well pump set @ 80'

7-23-90 - blew well with air - well depth 215' static 15

11-27-90 installed pump - pump set @ 80'

5" column, 1" shaft 10' tail with strainer

Pump Ingersoll Rand - Ser# 9010 8292

Bowl / Imp 6EH

11-28-90 completed pump - raw GPM

A/L 80' S/L 15' P/L 72 D/D 52 PSI 38 GPM 104 D/H 60

~~10-20-82~~

10-20-88 checked well new air line needed, need to pull well pump

2-1-89 Pulled pump set @ 70' with 5" column & 4" tail section, 1" shaft, disassembled pump & cleaned

2-2-89 cleaned pump & assembled

2-6-89 Blew well

2-7-89 water jet well

2-8-89 started installing well pump installed air line 70' of 3/8 tubing Pump set @ 70'

2-9-89 Completed pump ran GPM

A/L 70 S/L P/L | D/D PSI GPM

2-23-89 replaced battery

4-5-90 A/L 70 S/L 30 P/L 60 D/D 30 PSI 15 GPM 175

Pumping sand do not use

8-10-86, replaced battery

1-27-87 cleaned strainer & water meter

10-24-88 ran GPM Dead head 93

A/L 90 S/L 32 P/L 43 D/D 11 PSI 5 GPM 100

2-1-89 Pulled pump set @ 70' with 6" Column & 6" Tail section with 1" shaft, full of iron rust disassembled & cleaned

Jacuzzi SN-4B8/27149 MOD-8MSA6-4T-497

6 stage

2-2-89 cleaned pump & assembled

2-6-89 Blew well

2-7-89 water jet well

2-8-89 started installing well pump

2-9-89 ran GPM

A/L 70 S/L 23 P/L 60 D/D 37 PSI 35 GPM 225

663

10-9-91 cleaned check & air release valve
replaced battery

1-27-87, cleaned strainer + water meter
8-30-88 Replaced battery original missing.
10-24-88 ran GPM Dead Head @ 84
A/L 81 S/L 6 P/L 59 D/D 53 PSI 45 GPM 146

5186

1-28 88 Pulled elect motor took to elect shop

10-17-88 ran GPM Dead head 86 PSI

A/L 180 S/L 20 P/L 53 D/D 33 PSI 25 GPM 350

4007
M-2

10-25-88 ran GPM Dead head 46
A/L 70 S/L 29 P/L 48 D/D 17 PSI 15 GPM 257
10-4-90 A/L 70 S/L 46 P/L 64 D/D 18 PSI 25 GPM 150 D/H 41
10-5-90 took static 40'

4009
M-1

10-25-88 ran GPM Dead Head 122
W/D 134 P/S 80 A/L 100 S/L 25 P/L 40 D/D 15 PSI 26 GPM 349+
2-23-89 replaced battery
10-2-90 GPM A/L 80 S/L 42 P/L 70 D/D 28 PSI 55 GPM 349+
10-5-90 took static 38'

7-1

1

9-1

1

9-1

1-1

9-1

11-5

11-1

1

2-13-87 ran GPM

A/L 78 S/L 24 P/L 61 D/D 37 PSI 27 GPM Meter 180

Rig 195

9-18-89 ran GPM

A/L 78 S/L 26 P/L D/D PSI GPM meter 245 Rig 269

9-10-91 pulled well Pump - set @ 80' w/5" Column
1-3/16" shaft

9-11-91 Blew well

11-6-91 installed well Pump - set @ 80' new air line
80' new shaft & Column new Brg & retainer
new stuffing box

11-18-91 ran GPM Dead head 50 PSI By meter 220

A/L 80 S/L 30 P/L 67 D/D 37 PSI 25 GPM 269

2-13-87 raw GPM

A/L-90, S/L 30, P/L 72, D/D 42, PSI 22, GPM meter 210

9-24-90 A/L 90 S/L 30 P/L 82 D/D 52 PSI 22 GPM rig 230

230 meter 210

5

2-

Al.

9-

7-

5-5-86- Replaced Battery (Ford)

2-13-87 raw GPM

A/L 70, S/L 20, P/L 25, D/D 5, PSI 22, GPM meter 125
rig 130

9-18-89 A/L 70 S/L 25 P/L 33 D/D 8 PSI 12 GPM meter 160 rig 154
3-21-90 A/L 70 S/L 23 P/L 34 D/D 11 PSI 11 GPM 154

10-27-86 Replaced battery - gas in oil sump

2-13-87 raw GPM
A/L 70, S/L 27, P/L 43, D/O 16, PSI 22, GPM meter 180
reg 192

9-18-89 A/L 70 S/L 32 P/L 53 D/O 21 PSI 15 GPM Meter 230 reg 247
9-21-89 replaced battery
3-21-90 A/L 70 S/L 32 P/L 58 D/O 26 PSI 5 GPM 302

2-12-87 raw GPM

A/L 100, S/L 6, P/L 88, D/D 82, PSI 25, GPM meter 270
rig 290

9-18-89 A/L 100 S/L 6 P/L 90 D/D 84 PSI 24 GPM meter 275 rig 281
1-23-90 Pulled elect motor took to shop
3-20-
3-20-90 A/L 100 S/L 6 P/L 90 D/D 84 PSI 34 GPM 263

2-12-87 raw GPM

A/L 100, S/L 10, P/L 85, D/D 75, PSI 40, GPM meter 240

rig 262

3-30-90 A/L 100 S/L 10 P/L 90 D/D 80 PSI 52 GPM 100

12-14-90 installed new Valve & repiped pump

2-12-87 raw GPM

A/L 110, S/L 15, P/L 90, D/O 75, PSI 26 GPm meter 470

3-23-90 replaced air line

raw GPM A/L 110 S/L 25 P/L 100 D/O 75 PSI 26 GPM 480 meter

707

Dec 89 replaced Battery

6-23-88 A/L 85 S/L 23 P/L 46 D/D 20 PSI 17 GPM 105

6-5-90 A/L 85 S/L 23 P/L 50 D/D 27 PSI 17 GPM 108

Pulled well Pump - cleaned Pump, replaced air line, blew well Installed Pump. -

11-18-91 ran GPM

A/L 85 S/L 23 P/5' D/D 30 PSI 15 GPM 100

HB 708 TT 23

~~07~~

10-25-88

ran GPM Dead head 35 PSI

A/L 85 S/L 15 - D/L 60 D/D 45 PSI 10 GPM 230

698

8pm - 3-1-90

A/L 85 S/L 73 P/L 56 D/D 33 PSI 15 GPM 216

699

A/L 88 S/L 26 P/L 47 D/D 21 PSI 10 GPM 142

700

A/L 88 S/L 38 P/L 77 D/D 39 PSI 32 GPM 192

701

A/L 88 S/L 34 P/L 70 D/D 36 PSI 15 GPM 224

709.

10-26-88

raw GPM Dead head 60

A/L 85 S/L 24 P/L 76 D/D 52 PSI 72 GPM 259

10-10-91 cleaned check & air release valve * - need elect

To replace coil

~~77 25~~
710

10-26-88 ran GPM Dead head 66
A/L 85 S/L 24 P/L 73 D/D 49 PSI 26 GPM 242

3-19-90 - A/L 85 S/L 22 P/L 51 D/D 27 PSI 10 GPM 115
Dead head 75

10-10-91 - cleaned check valve & air release x

705

A/L 75 S/L 40 P/L 65 D/O 25 PSI 5 GPM 214

~~FF 26~~
711

10-26-88 ran GPM Dead head 65

A/L 85 S/L 21 P/L 53 D/O 32 PSI 10 GPM 111

3-15-90 A/L 85 S/L 22 P/L 51 D/O 29 PSI 10 GPM 115

Dead head 65

10-9-91 - cleaned check & air release valve

706

A/L 85 S/L 33 P/L 67 D/D 34 PSI 5 GPM 214

~~7730~~
623

10-26-88 max GPM Dead head 76

A/L 85 B/L 50 P/L 75 D/D 25 PSI 58 GPM 100

11-17-86 Pump not producing adj impellers

6-6-86 Pulled wellpump - set at 50 ft., oil tube,
flushed well with raw water line

TC 201

3-14 86	Pulled well pump Pump set at 60' with 10' tail 4" column
3-17-86	disassembled pump & cleaned
3-18-86	Brushed well, water jet well, acid cleaned used 55 gal,
3-19-86	Blew well
3-20-86	installed well pump - used old pump + column set at 60' with 10' tail section 4" column 1" shaft 1½ she 1 sect of new shaft cut & thrd. with key way
4-8-86	RAW GPM - Static 8' P.L - 42' - D-D - 36' - GPM 100 Psi 10 Air Line 50'

TC 325

Check GPM   app. GPM
A/L 60 S/L 40 PL 48 D/D 8 GPM 100 PSI 10
Dead head 22 PSI
9-21-89 replaced battery
3-5-90 Pulled pump column apart - set @ 80' with 5" column & 1" sleeve shaft - Pump model 8KSD 3/T-497 SN-1M8-22109 jacuzzi 6" discharge head - T.V. well to stained Chlorinated well static 7½' depth 122 feet -
3-6-90 started to blowing well with air hit sand or mud/~~pea gravel~~ - went down to 130' hit bottom @ 150 ft. Did not move any sand to amount to much -

TC 502

10-4-90 ran 6 PM 1½ line

A/L 50 S/L 24 P/L 27 D/D 3 PSI 16 GPM 180 D/H 25

TC 504

9-14-88 ran GPM Dead head at 50
A/L 70 S/L 15 P/L 48 D/O 33' PSI 25 - GPM 201
amped @ 19-19-19

5-7-89 A/L 70 S/L - 15 - P/L 52 - D/D-38 D/R-10 - GPM 127
Dead Head 48 PSI

12-6-89 replace battery

7-25-90 Pulled pump - hole in column at pump - Pea gravel has drop @ 12 foot static 10 well depth 85 - to muddy to T.V.

7-26-90 Blew well pea gravel & sand from 85' to 98'

7-27-90

TC 600

8-17-89

saw GPM A/L 50 S/L 13 P/L 40 D/D 27 GPM 108 PSI 12

Dead head 32

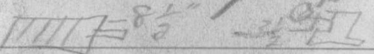
10-1-90 A/L 50 S/L 12 P/L 25 D/D 13 PSI 12 GPM 104

3-12-91 Pulled well pump set @ 50 with 4" Column 1" shaft
5 stage Valley pump with 10' tail - static level 8'
depth 65 well diameter 7¾"

3-13-91 blew well @ 5' of sand jetted well & blew
well, added @ 1 lb. HTH

3-14-90 TV well muddy but saw bottom
installed pump 7½" pump reduced from 5"
to 4" discharge & from 6" to 5" suction on pump
1" shaft with 12th per inch set @ 50' w 10 tail

3-18-91 completed installing pump - air 50 Dead head 48
new GPM A/L 50 S/L 7 P/L 39 D/D 32 GPM 112 PSI 30



3-18-92 Pulled Pump - worn out order new Pump
4-30-92 - started installing Pump - Goulds
Pump SN-121636 model 8R/JLO sing 4 stg
dated 3/11/92 - Motor data KS ELECT
HP 7 FRAME 213TB VOLTS $\frac{230}{460}$ AMPS $\frac{20.4}{10.2}$
RPM 1740

TC 604

Pump, pumping water through oil tube. Removed lube line. (Kinked line) 1-10-89 Told operator to use as is,

7-6-89 A/L 50 S/L 12 P/L 35 D/D 23 PSI 15 GPM 149
Dead head 60

4-10-91 Pulled pump set @ 50' with 5" Column & 1" shaft
4" X10' tail, strainer missing, oil tube - Blew well

6-6-91 installed well pump - set @ 50' with 1" shaft
5" Column. - cut new head shaft -

6-10-91 installed pump head shaft & motor installed new air line set @ 50' - - ran GPM
A/L 50 S/L 9 P/L 30 D/D 21 PSI 18 GPM 164 D/H 40

TC 604

Pump, pumping water through oil tube. Removed lube line. (Kinked line) 1-10-89 Told operator to use as is,

7-6-89 A/L 50 S/L 12 P/L 35 D/D 23 PSI 15 GPM 149
Dead head 60

4-10-91 Pulled pump set @ 50' with 5" Column & 1" shaft
4" X 10' tail, strainer missing, oil tube - blew well

6-6-91 installed well Pump - set @ 50' with 1" shaft
5" Column. - cut new head shaft -

6-10-91 installed Pump head shaft & motor installed new air line set @ 50' - - ran GPM
A/L 50 S/L 9 P/L 30 D/D 21 PSI 18 GPM 164 D/H 40

TC 700

7-25-89

A/L 70 - S/L - 32, - P/L 55 - D/D 23 - D/R 15 - GPM 100

Dead head 27 psi

10-1-90 A/L 70 S/L-30 o/L 56 D/O 26 PSI 14 GPM 104

- Pulled well pump set @ 50 FT Flanged

Hauled to scrap yard

8-12-91 Flew well started installing well pump

Gould Pump # SN 1 21330, Model 81HC

size 7 stg Date 8-1-91

8-13-91 installed Pump repiped

8-19-91 ran GPM -

A/L 50 S/L 10 1/L 38 D/D 28 PSI 16 GPM 125 DH 24

TC 1000

6-29-89
A/L-60 S/L 30-P/L 50 D/D 20-GPM-164-PSI-25

TC 1001

11-26-89 replaced battery

10-1-90 GPM A/L 6.0 S/L 30 P/L 46 D/D 16 PSI 18 GPM 160

AS.131 7-5-89

A/L 70 - S/L 21 - P/L 40 - D/D 13 - D/R 10 - GPM - 300 Dead Head 4 45

11-8-90 A/L 70 S/L 26 P/L 38 D/O 12 PSI 10 GPM 310 D/H 44

9-14-88 ran GPM Dead head at 42 PSI
A/L 123 S/L 31 P/L 51 P/D 20 PSI 24 GPM 159
amped 22-23-22
6-28-89-A/L 123-S/L 31-P/L 58 P/D-27-D/R-18 GPM-203
9-21-89 replaced battery
11-19-90-A/L 123 S/L 33 P/L 60 P/D 27 PSI 14 GPM 220 Dead head 44

9-14-88 run GPM - Dead head at 34 PSI
A/L 117 S/L 33 P/L 40 D/D 7 PSI 25 GPM 187
amped motor 25 - 25 - 24
7-5-89 - A/L 117 S/L 32 P/L 49 D/D 17 PSI 15 GPM 266 Dead head 37
11-19-90 - A/L 117 S/L 32 P/L 48 D/D 14 · PSI 20 GPM 220 Deadhead 38

1251

9-18-86 replaced battery

6-28-89-A/L-80 S/L-20-P/L-26-D/D-6-D/R-10-GPM-185

11-7-90 A/L 80 S/L 20 P/L 26 D/D 6- PSI 10 GPM 150 D/H 40

6-28-89 A/L-84 -S/L-57 -P/L-32-D/D-25-D/R-10 -GPM-128
10-3-90 A/L 84 S/L 28 P/L 34 D/D 6 PSI 14 GPM 128

1254

6-28-89 - A/L-77 - S/L-25 - P/L-32 - D/D-7 D/R-14 - GPM - 140

10-3-90 - A/L 77 S/L 25 P/L 37 D/D 12 PSI 15 GPM 180

4-16-91 Pulled well pump - broken shaft - column off @ pump - clean pump - 1 3/16" shaft 1" pump shaft tail screen missing, static level 22.6 depth 195

4-17-91 Blew well & water jet well @ 10' sand

4-18-91 installed well pump used 1" shaft 14th 1 new section of Column - 4 new tail section & strainer, set at 70' with 4" Column, had to have sect of shaft cut & threaded

4-22-91 installed 70' 3/8 O.D. copper tub for air line packed pump.

4-24-91 ran GPM used old air line -

A/L 77 S/L 22 P/L 25 D/D 3 PSI 18 GPM 122 D/H 40

6-28-89 - A/L 80 - S/L 13 - P/L 56. D/D 43 OR 10 GPM 104

10-15-90 replaced battery

2-26-91 pulled well pump set @ 70' with 4" column 7 stage 6" pump

2-27-91 blew well with air - static level 30' depth 220'
HTH -

6-3-91 - Pump - mid south pump co. J-LINE
model # 8LCB4 . Ser # 10103K

6-5-91 A-L 100 S/L 31 P/L 67 D/D 36 PSI 24 GPM 104
pump set @ 80 - replaced piping check valve blow
[illegible] lines

4140

A.S. 4140 7-5-89

A/L 110 - S/L 33 - P/L 41 - D/D 14 - D/R 10 - GPM 133 Dead Head 35 PSI.

11-7-90 A/L 110 S/L 30 P/L 36 DO 6 PSI 7 GPM 110 D/H 35

4150

contaminated

5001

5-06-86 repacked pump 3/8 chesterton

6-29-89 A/L 62 - S/L 6 D/L 18 D/D 12 PSI 8 GPM 104
Dead head @ 26 PSI

6-12-91 A/L 62 - S/L 8 D/L 19 D/D 11 PSI 8 GPM @ 50

6-13-91 Pulled well pump - set @ 80' with 5" Column 1" sleeved shaft.

Blew well water 2t well

6-25-91 installed pump - old pump set @ 85' with 1" shaft - cut head shaft 81" (5" X 10 ft tail with strainer old) Layne pump #47591 size 8 type DRLC static 21' depth 192'

5009

9-26-86- repacked pump 3/8" Chesterton

As-5009-A/S 75 - S/L-22 - P/L-62 - D/D-46 - D/R-10 - GPM-128 Dead H 30 PSI

6-17-91 A/S 75 S/L 15 P/L 68 D/D 53 PSI 10 GPM 111

7-5-89 Descharg valve wide open

A/L 60 S/L 20 P/L 32 D/O 12 PSI 10 GPM 240 deadhead 61

11-7-90 A/L 60 S/L 15 P/L 34 D/O 19 PSI 9 GPM 220 D/H 61

10-1-86 repacked pump - used chesterton 3/8

7-11-89 A/L 80 - S/L 55 - P/L 30 - D/D 5 D/R 15 - GPm 184
Dead Head 22 PSI

7-21-89 pulled pump - dissembled + checked

7-26 - blew well off 30' sand - static level 52 ft.
depth 130' by electrotape

8-2-89 started installing pump set at 80' with 10 ft tail
used old pump, column + shaft - used new bearing +
retainer. Dead head @ 40

8-3-89 Pump back in Commission - ran GPM
A/L 80 S/L 55 P/L 65 D/D 10 PSI 15 GPM 195

8-22-90 A/L 80 S/L 55 P/L 66 D/D 11 PSI 15 GPM 192 D/H 40

8-22-90 – A/L 70 S/L 55 – P/L 60 – D/D – 5 – PSI – 24 – GPM 1400 H/L 38

9-18-86 repacked pump - Chesterton 3/8"

7-11-89 A/L 70 S/L 40 P/L 58 D/D 17 PSI 35 GPM 180
dead head 82

8-22-90 A/L 70 S/L 48 P/L D/D 59 PSI 38 GPM 170 D/H 82

9-26-91 installed stuffing box (used) & packed pump
need new head shaft

10-1-86 checked well will not run (elect.

New BB 43
47

4-17-86 RAW gpm A-L 65' S-L 23' P-L 35 D-D 22
PSi 30 GPM 280

8-28-90 A/L 65 S/L 23 P/L 33 D/D 10 PSI 23 GPM 257 (D/H 65

4-29-91 pulled well pump - set @ 80'

5-1-91 checked Pump - blew well @ 125' deep, @ 12' static started installing pump set @ 80' with 5" Column 1" shaft 14th & 12th, used new shaft & Column & bearing 9 retainers, new tail section with new strainer

5-2-91 completed installing pump - installed new air liner 3/8" tubing 80'

5-3-91 A.L. 80' - SL 15 - PL - 21 DD 6
PSI 23 GPM 385 by meter

12-9-91 A/L 80 S/L 20 P/L	21	D/D 1	PSI 58	GPM 100
D/H 62	22	2	53	130
left set @ 30 valve	23	3	48	172
wide open	23	3	43	207
	24	4	38	242
	24	4	33	272
	25	5	28	294
	25	5	23	317
	26	6	18	346

8-28-90

A/L 42 S/L 19 P/L 30 D/D 11 PSI 18 GPM 125 D/H 33

12-9-91	S/L 17	P/L 24	D/D 7	PSI 25	GPM 100	D/H 35
A/L 42		27	10	20	130	
left Valve wide		30	13	15	149	
open @ 22 PSI						

4-17-86 Ran GPM A/L 51' S/L 29' P/L 46' D/D 17' PSI 23 GPM 140

8-24-90 A/L 51 - S/L 33' - P/L 46 - DD 13 PSI 25 - GPM 119 DH 34

12-9-91 A/L 51 S/L 32	P/L 41	D/D 9	PSI 30	GPM 100
Dead head 35 PSI	42	10	25	130
	45	13	20	154
	51	0	15	172

2-27-86 Packed pump - chesterton 3/8"

4-17-86 raw GPM A/L 75' S/L 35' P/L 55 D/D 20 PSI 24 GPM 230

8-27-90 raw GPM A/L-75 S/L 40 P/L 59 D/D 19 PSI 25 GPM 230

12-11-91 raw GPM

A/L	S/L	P/L	D/D	PSI	GPM
75	38	45	7	47	104
		48	10	42	140
		51	13	37	159
		53	15	32	235
		57	19	27	284
		60	22	22	320
		63	25	17	449

ORIFICE TABLES

For measurement of water through pipe orifices with free discharge.

The following tables have been compiled by the Engineering Department of Layne and Bowler, Incorporated, from original calibrations by Purdue University.

Head in Inches	3" Orifice		4" Orifice		5" Orifice		6" Orifice		7" Orifice	8" Orifice	Head in Inches
	4 in. Pipe	6 in. Pipe	6 in. Pipe	8 in. Pipe	6 in. Pipe	8 in. Pipe	8 in. Pipe	10 in. Pipe	10 in. Pipe	10 in. Pipe	
5	100	76	145	140	280	220	380	320			5
5.5	104	79	153	145	293	230	394	333			5.5
6	108	82	160	150	305	240	408	345			6
6.5	111	85	167	155	316	250	421	358			6.5
7	115	88	172	160	328	260	433	370			7
7.5	119	91	179	165	339	270	446	383			7.5
8	122	94	185	170	350	280	458	395	600	935	8
8.5	125	96	190	175	361	289	471	408	617	963	8.5
9	128	99	195	180	372	298	483	420	633	992	9
9.5	130	102	200	185	383	307	495	433	650	1016	9.5
10	133	104	205	190	393	316	508	445	666	1040	10
10.5	137	107	210	195	402	324	521	458	682	1060	10.5
11	140	109	215	200	412	330	533	470	698	1080	11
11.5	143	111	220	204	421	338	545	480	713	1100	11.5
12	146	114	225	208	430	346	556	490	728	1120	12
12.5	149	116	230	212	439	354	567	500	743	1139	12.5
13	151	118	234	216	448	362	578	510	757	1158	13
13.5	154	121	239	219	457	369	589	520	771	1176	13.5
14	157	123	243	224	465	375	599	530	785	1194	14
14.5	159	126	247	227	473	383	609	540	799	1212	14.5
15	162	128	250	231	480	390	618	550	812	1230	15
15.5	164	130	254	234	488	396	627	559	825	1248	15.5
16	167	132	257	238	495	402	636	568	838	1266	16
16.5	170	134	261	241	503	408	645	577	851	1284	16.5
17	172	136	264	245	510	414	654	586	863	1302	17
17.5	175	138	268	249	517	420	663	595	875	1319	17.5
18	178	140	271	252	524	426	672	604	887	1336	18
18.5	180	142	275	256	530	432	681	612	899	1353	18.5
19	183	144	278	259	536	438	690	620	910	1370	19
19.5	185	146	282	263	542	444	699	628	922	1387	19.5
20	187	148	285	266	548	449	708	636	933	1404	20
20.5	190	150	289	270	554	455	717	643	945	1421	20.5
21	192	152	292	273	560	460	726	650	956	1438	21
21.5	195	154	295	275	566	465	735	657	968	1455	21.5
22	197	156	299	279	572	470	744	664	979	1471	22
22.5	199	158	302	282	578	475	752	671	990	1486	22.5
23	201	160	305	285	584	479	760	678	1001	1500	23
23.5	203	162	307	288	590	484	768	685	1012	1515	23.5
24	205	164	310	291	596	488	776	692	1022	1529	24
24.5	207	165	314	294	602	492	784	699	1033	1543	24.5
25	210	167	317	297	608	496	791	706	1043	1557	25
25.5	212	169	320	300	614	500	798	713	1059	1571	25.5
26	214	171	323	303	620	504	805	720	1064	1585	26
26.5	216	173	326	305	626	508	812	727	1074	1599	26.5
27	219	174	329	308	632	512	818	734	1084	1613	27
27.5	221	176	332	311	638	516	825	741	1094	1627	27.5
28	222	177	335	314	644	520	831	747	1104	1641	28
28.5	224	179	337	317	650	524	838	754	1114	1655	28.5
29	226	180	340	320	656	528	844	760	1124	1669	29
29.5	228	182	343	323	662	532	851	767	1134	1683	29.5
30	230	183	346	325	668	536	857	773	1143	1697	30
30.5	232	185	348	328	674	540	863	780	1153	1711	30.5
31	235	186	351	330	680	544	869	786	1162	1725	31
31.5	236	188	354	333	686	548	876	793	1172	1739	31.5
32	239	189	357	335	692	552	882	799	1181	1753	32
32.5	240	191	360	338	697	556	889	806	1191	1767	32.5
33	242	192	363	340	703	560	895	812	1200	1791	33
33.5	244	194	366	342	709	564	901	818	1209	1795	33.5
34	246	195	369	345	715	568	907	824	1218	1809	34
34.5	248	196	373	247	720	572	913	830	1227	1823	34.5
35	250	197	375	349	726	576	919	836	1235	1837	35
35.5	252	198	377	351	732	580	925	842	1243	1851	35.5
36	254	200	380	354	737	584	931	847	1251	1865	36

②
2800
3.28
2240
5600
8400
9184.00
.00
0.00

328000
1.6
5280
3280
20000
18000

A5 ON BACK NEW

BB 218

11-7-87 - pulled air line measured - 77' Jim
Check GPM 178 gal at 29psi w/15' on air

8-24-90 A/L 77 - S/L 35 P/L 52 D/D 17 PSI 25 GPM 192 D/H 47

12-4-91 A/L 77 S/L 37	P/L 43	D/D 6	PSI 40	GPM 100
line pressure	44	6	35	151
125 lest value	45	7	30	187
wide open @ 30	46	8	25	222
PSI	47	9	20	252
	49	12	15	2[illegible]
	50	13	10	302

$$\begin{array}{r} 32 \\ 7 \\ \hline 24\frac{1}{2} \\ 19 \\ \hline 43\ \frac{1}{2} \end{array}$$

TARAWA TERRACE

ONSlow Beach

BA 190 on Back BA 164

10-10-89 pulled well pump set @ 45' 10 stage
blew well, well depth 80'
10-11-89 water jet well, blew well, started install
new pump, column & shaft,
SN-MST-89-838 model 8R-JHO size 6 stage Feb 89
Gould
10-12-89 completed installing pump
ran GPM - A/L 47 S/L 10 P/L 37 D/D 27 PSI 64 (~~GPM 214~~
GPM 224)

8-28-90 A/L 47 S/L 17 P/L 39 D/D 15 PSI 62 GPM 214 D/H 79

BA190

8-28-90

A/L 80 S/L 13 P/L 30 D/D 12 PSI 45 GPM 303 D/H 83

UC