

Suwannee test AVPK-1B

6-3-93

2 TRANSDUCERS

HERMIT #2 1KB-419

<u>TIME</u>	<u>INPUT</u>	<u>WELL</u>	<u>Serial # TRANSDUCERS</u>	<u>L.H Rdg</u>	<u>Hermit XD</u>	<u>Cable depth</u>	<u>Range</u>	<u>Scale F</u>	<u>W.L. (G.L.)</u>
1438	02	AVPK-1B deep AvonPK	710	12.25 TOC	12.29	30' TOC	10 psi	10.04	-17.75
1438	01	AVPK-2 Suwannee	137	83.05 TOC (16.41)5	82.70	100' TOC	30 meters	49.76	-17.0

	<u>INPUT</u>	<u>REF = 0</u>	<u>HERMIT</u>	<u>Time 0, FLOW METER Readings</u>
1510	0	1	83.08	83.08 TOC
1510	0	2	12.31	12.31 TOC
1551				120,600
1558				120,660
1605				120,780
1750				STOP

6-3 RECOVERY

Pump test start

	<u>Time</u>	<u>MIN</u>	<u>Pump RATE</u>
3:25	1525	0	34 sec / 5 gal =
	1530	5	34
	1534	9	36
	1536		37.5
	1539		37.5
	1541		38.9
	1543		28.2
	1544		50.7
	1546		40.66
	1547		35.4
	1552		37.9
	1556		34.01

1.176 CFM
 $\frac{8.8 \text{ gal/min}}{7.48 \text{ cfs}} = 1.176 \text{ CFM}$
 65.83

56
 23
 .31

STOPPED TEST AFTER 31 min \neq 40 min of Pumping

*NOTE SET REF = 0 @ END OF d/d

1,145 gal/ST/day

6/3/93

TRANSDUCER DATA

2 Transducers

~~Deep Well~~

Hermit #2

1KB-419

Time	Input	Well	Serial Transducer	L.H. Rdg	Hermit X D	Cable Depth	Range	Scale F	W.L. (G.L)
1438	0 2	AVPK1B Deep	710	12.25 TOC	12.29	30' TOC	10psi	10.04	-17.75
"	0 1	AVPK2 Suavee	137	(16.61) TOC	82.70	100' TOC	30 meters	49.76	-17.0

Time	Input	Ref = 0	Hermit	Time 0 Flowmeter reading
1510	0	83.08	83.08 TOC	387 120, 387 gals 387
1510	0	12.31	12.31 TOC	
"	0	2		

Time	Input	Q (GPM)
1549	1	120387
1551	2	1203580
1558		120600 TOTAL gal
1605.30		120660
		STOP 120780

660
387
273

Stopped Recovery @ 1750 6/3

	1	2	3	
Sp. Cond	635	664	685	700
Temp	25.4	25.4	25.6	25.7
Ph	10.1	10.1	10.1	10.1

57
25
32

30
2083

8.8 gal⁵
1525
80

check this time

Stop	MINS
1525	
1530	5
1534	8
1536	10
1539	13
1541	
15:43	
15:44	
15:46	
15:47	
1552	
1556	

34 secs / 5 gal bucket = 8.8 gal⁵

" " " " " "

36 secs per 5 gal

37.5 secs per 5 gal

37.7

38.9

28.2

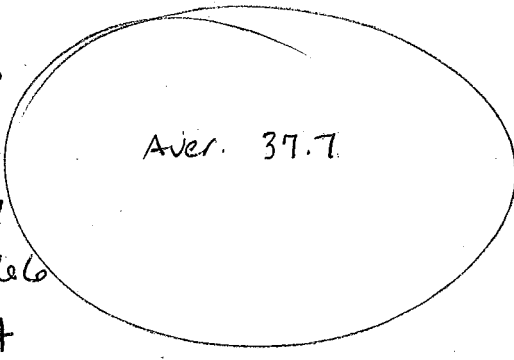
50.7

40.66

35.4

37.9

34.01



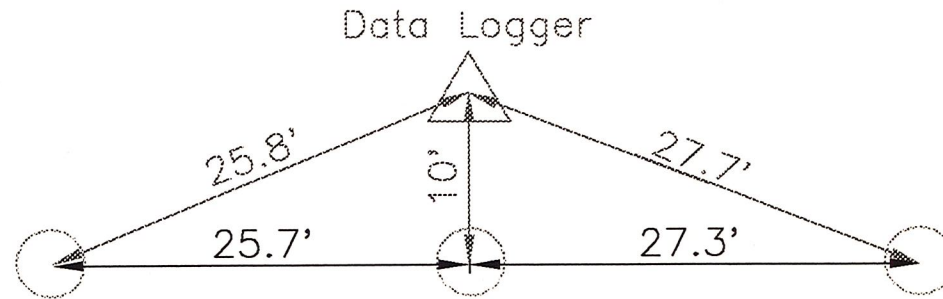
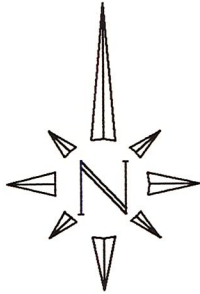
STOPPED TEST AFTER 40 min of Pumping

~~REF. SET = 0 @ START OF Recovery of~~

NOTE * SET REF = 0 @ END OF D/D

Well#4 is
2" PVC,
307' from
Well#1 and will
not have a
transducer

Well#5 is
2" PVC,
304.4' from
Well#1 and will
not have a
transducer



NEED 4" cap.

Well#3
4" well w/ 2" PVC, riser

Δ DTW = 14.67'

* DTW = 13.08'

if Transducer is
Set 30' below
the Water Level
80' of Transducer
Cable is Needed.

Well#1
8" PVC,

Δ DTW = 14.96'

* DTW = 14.08'

if Transducer is
Set 30' below
the Water Level
65' of Transducer
Cable is Needed.

Well#2
8" PVC

Δ DTW = 3.08'

* DTW = 1.58'

if Transducer is
Set 30' below
the Water Level
68' of Transducer
Cable is Needed.

10/25 4' 13.78'
2 14.97'

MP taken
From 2"

10/25
13.74

10/25 2.68'

AVPK-North

Δ Water Levels Taken 3/7/94

* Water Levels Taken 10/13/94

MARTY

5.17.93

1) what is the expected gpm from each of our submersibles

10"	<u>1500 - 2000</u> (OPTIMUM CONDITIONS) gpm
8"	<u>900</u> gpm
6"	<u>300</u> gpm
4"	<u>100</u> gpm

2) Please verify if each pump size will fit in to the same size well casing or should I over size the casing 2" for each pump size?

8" + 10" SUBS JUST FIT IN THOSE TYPES (SIZES) OF CASING. STANDARD IN THE INDUSTRY IS TO SET 8" PUMP IN 10" WELLS.

6" + 4" DO FIT IN THOSE CASINGS w/
NO PROBLEM

↓ THE DEEPER YOU SET PUMP + THE LONGER DISTANCE YOU DISCHARGE WATER THE LESS GPM YOU GET. MUST CALCULATE YOUR FRICTION LOSS.