

29856

Zac's Well Drilling

~ And Pump Service ~

P.O. Box 119
Palmer, AK. 99645
(907) 745-4877

ROTARY DRILLING
WELL LOG

IV

OWNER <u>HEARTLAND Homes</u>	DEPTH OF WELL <u>100'</u>
ADDRESS _____	STATIC LEVEL <u>14' From Top OF CASING</u>
WELL SITE _____	GALS. PER MIN. <u>60+</u>
DATE <u>MARCH 1, 2005</u>	SIZE OF CASING <u>6" TO 60', 5" TO 100' (Sump)</u>
	TOTAL CASING <u>60'</u>
	PERFORATED / SCREENED <u>15' OF 30 SLOTT + 5' OF 50 SLOTT</u> <u>60-80 FT. 50 SLOTT ON TOP OF STACK</u>

KIND OF FORMATION:

FROM: <u>0</u> FT. TO: <u>3</u> FT. <u>STICKUP + TOP</u>	FROM: <u>68</u> FT. TO: <u>80</u> FT. <u>26' 30" LOOSE WET</u>
FROM: <u>3</u> FT. TO: <u>8</u> FT. <u>RED GRAVEL + SAND</u>	FROM: <u>80</u> FT. TO: <u>88</u> FT. <u>COARSE SAND + SOME GRAVEL</u>
FROM: <u>8</u> FT. TO: <u>11</u> FT. <u>BROWN Semi-HARDPAN</u>	FROM: <u>88</u> FT. TO: <u>96</u> FT. <u>WET GRAVEL + TOP MEDIUM SAND</u>
FROM: <u>11</u> FT. TO: <u>17</u> FT. <u>STICKY grey clay + gravel</u>	FROM: <u>96</u> FT. TO: <u>100</u> FT. <u>SILTY grey SAND (MEDIUM)</u>
FROM: <u>17</u> FT. TO: <u>32</u> FT. <u>grey HARDPAN</u>	FROM: _____ FT. TO: _____ FT. <u>SILT AND SAND clay (700?) FINE</u>
FROM: <u>32</u> FT. TO: <u>36</u> FT. <u>STICKY grey clay + chips</u>	FROM: _____ FT. TO: _____ FT. _____
FROM: <u>36</u> FT. TO: <u>39</u> FT. <u>grey HARDPAN</u>	FROM: _____ FT. TO: _____ FT. _____
FROM: <u>39</u> FT. TO: <u>42</u> FT. <u>DAMP BROWN gravel</u>	FROM: _____ FT. TO: _____ FT. _____
FROM: <u>42</u> FT. TO: <u>55</u> FT. <u>WET BROWN (AND) GRAVEL SAND</u>	FROM: _____ FT. TO: _____ FT. _____
FROM: <u>55</u> FT. TO: <u>60</u> FT. <u>WET gravel + SAND grey color</u>	FROM: _____ FT. TO: _____ FT. _____
FROM: <u>60</u> FT. TO: <u>68</u> FT. <u>WET COARSE SAND + SOME GRAVEL</u>	FROM: _____ FT. TO: _____ FT. _____

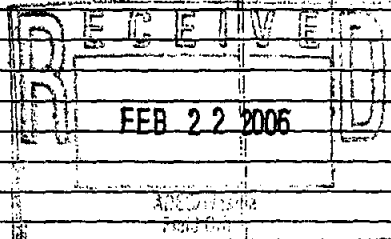
COMMENTS: SOME "CLOUDINESS" TO WATER, grey IN color + SOME COARSE SAND WHEN PUMPING esp. FROM BOTTOM OF SUMP / MAY PUMP SIGNIFICANTLY MORE WITH SUBMERSIBLE

DRILLER LAWRENCE A. SchachleTT

FILED

Conducted by Heath Haverd Homes
 Owner _____ Address _____
 Well Location _____
 Well Information: Ttl. Depth _____ Depth of Casing _____ Screen From _____ To _____
 Casing Size _____ Screen Diam _____ Screen Slot _____
 Remarks _____
 Pump Information: Intake Depth _____ Pump Size _____ Air Line Depth _____
 Static Water Level _____ Av. Discharge _____ GPM, Max. Drawdown _____
 Pump On: Time _____ Date _____ Pump Off: Time _____ Date _____

TIME	WATER LEVEL	PIEZO- TUBE	FLOW GPM	REMARKS	TIME	WATER LEVEL	PIEZO- TUBE	FLOW GPM	REMARKS
11:55		150 PSI		8929272					
12:00		80 PS		9280					
12:00		150 PS		9280					
12:04		80 PS		9280					
12:05		150		9288					
		50							
12:15		150		9300					
12:35		50							
12:27		150		9313					
12:32		75							
12:34		150		9323					
12:39		75							
12:41		150		9333					
12:50		60							
12:52		150		9348					
12:57		70							
12:59		150		9355					
1:04		70							
1:06		150		9364					



RECEIVED
FEB 22 2006
ARCS/USACE

HEARTLAND HOMES INC.
HCO3 BOX 9582
PALMER AK 99645
907-746-6266

Test well # 1

Location : Heart Haven

N- 61 degrees, 32.384 minutes

W- 149 degrees , 32.813 minutes

Date: 5/18/05

WELL FLOW TEST

ONE: (5 hour flow test)

A.) pumping @ 75 GPM

Well depth - 80 ft.

Well static - 10 ft.

Pump set - 50 ft

TIME	WSL
1:00 pm	10'
1:10 pm	50'
1:20 pm	50'
1:30 pm	50'
1:45 pm	50'
2:00 pm	50'
2:15 pm	50'

B.) pumping @ 75 GPM

2:15	50'
2:45	50'
3:15	50'

page 2, well test Heart Haven cont'd

C.) pumping @ 75 GPM

TIME	WSL DEPTH
3:15	50'
4:15	50'
5:15	50' STOP FLOW

STOP FLOW/RECOVERY

5:18	28'
5:19	26'
5:20	24'

50