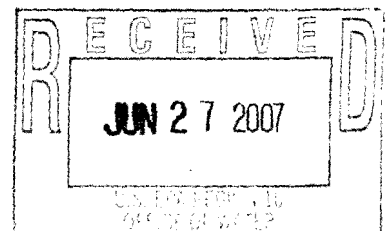


Appendix C
Well #2 Log and Test Pump



PORTLAND AREA INDIAN HEALTH SERVICE
P.L. 86-121

SCHEDULE A-1

W E L L L O G

Well Owner: Indian Health Service Home No.: x
Location: Lapwai, Idaho (BIA) NEZ PERCE RESERVATION
Drilled By: Ponderosa Drilling & Development Inc. Date: 8-16-83
Project No.: PO 82-452 Contract No.: 248-83-0116

Depth:	Description of Formation:
<u>0</u> to <u>5</u>	<u>Top Soil</u>
<u>5</u> to <u>15</u>	<u>Basalt Gravel Broken</u>
<u>15</u> to <u>25</u>	<u>Basalt, broken</u>
<u>25</u> to <u>160</u>	<u>Basalt, Medium Hard</u>
<u>160</u> to <u>180</u>	<u>Scoria</u>
to	
to	
to	
to	
to	

SIZES AND MATERIALS USED

All Depths Measured from Top Surface of Well Slab..

Top Casing Line: Nominal I.D. 8" Material Steel
Depth Cased +1 ft. to 25 ft. Wt/ft 22 lbs. per ft.
Any Reduced Casing Sizes: none

Grout Envelope: Thickness 2 in.
Depth Grouted 0 ft. to 25 ft.

Pitless Adapter: Make none Model _____
Depth of Discharge _____ ft. CAP Type _____

Well Screen: Make none Model _____
Type _____
Diameter _____ in. Length _____ ft. Slot _____ in.
Depth Screened _____ ft. to _____ ft. Slot _____ in.
Spacer(s) _____
Fitting at Top _____
Fitting at Bottom _____
Packer Description _____

Gravel or Sand Pack: Material none
Thickness _____ in. Depth _____ ft. to _____ ft.

(Attach Gradation Curve)

Total Depth to Bottom of Well none ft. 86'
Total Depth to Bottom of Casing _____ ft. 150'
Total Depth to Bottom of Drop Pipe _____ ft.
Total Depth to Pump Inlet _____ ft.

PUMP DATA

Pump Type: none Manufacturer _____
 Model No. _____ Size (Diameter) _____ in. Length _____ in.
 Series _____ GPM Serial No. _____

Motor Type: _____ Make _____
 _____ volt _____ amp _____ wire _____ phase _____ H.P.
 Serial No. _____

Drop Pipe: Nominal I.D. _____ in. Material _____
 Length _____ ft. Wt/ft. _____ lb.

Pump Test Data

Static Water Level: 53 ft.
 Pumped at 195 gpm for 12 hours with a resulting drawdown of 19 ft.

Bacteriological Test: Safe yes Unsafe _____
 Date 8-23-83 Date _____

Chemical Test: YES (): NO ()

NOTES: none

DRAWINGS

NOTES

(Attach any available information on materials and equipment; pump performance curves, pump test data (drawdown and recovery), and any other pertinent data.

U. S. PUBLIC HEALTH SERVICE
Indian Health Service

SCHEDULE E
IHS-309-5-13-83
EXHIBIT #4

AQUIFER TEST FIELD DATA SHEET

Project No. PO 82 452 Date 8-19-83 Page 1 of 83

Owner BIA Location Lapwai Community Center

Pumping Company Ponderosa Drilling Inc Operator Jay Barratt

Observers none

Measuring point is top of casing which is 1.5 feet ^{above} _{below} surface.

Static water level 53 feet below land surface at 9:30 AM PM Ft.

Distance to pumped well none feet.

Discharge rate of pumped well 195 gpm (gallons per minute).

Clock Time	Elapsed time since pumping started/stopped (minutes)	Depth to water, below land surface (feet)	Drawdown or recovery (feet)	Pumping Rate GPM	Remarks
9:30	0	START PUMP	(start) 53'	191.9	CLEAR
9:31	1		66'	189.3	"
9:32	2		66'	179.3	"
9:33	3		66'	179.7	"
9:34	4		66'	180.1	"
9:35	5		67'	189.5	"
9:36	6		68'	195.2	"
9:37	7		69'	200	"
9:38	8		69'	198	"
9:39	9		69'	195	"
9:40	10		69'	197	"
9:50	20		69'	199	"
10:00	30		69"	201	"

Continued

Project Inspector _____

P082-452 LARWAI BIA

Clock Time	Elapsed time since pumping started/stopped (minutes)	Depth to water, below land surface (feet)	Drawdown or recovery (feet)	Pumping Rate GPM	Remarks
10:10	40		69'	193.1	"
10:20	50		69'	196.9	"
10:30	60 (1 Hr.)		69'	199.2	"
11:00	90		69'	192.3	"
11:30	120 (2 Hr.)		69'	197.8	"
12:00	150		69'	195.4	"
12:30	180 (3 Hr.)		69'	193.6	"
1:00	210		69'	198.2	"
1:30	240 (4 Hr.)		69'	197.7	"
2:00	270		69'	192.9	"
2:30	300 (5 Hr.)		69'	198.0	"
3:00	330		69'	196.8	"
3:30	360 (6 Hr.)		69'	195.7	"
4:00	390		69'	198.3	"
4:30	420 (7 Hr.)		69'	196.8	"
5:00	450		69'	197.2	"
5:30	480 (8 Hr.)		69'	195.4	"
6:00	510		69'	193.9	"
6:30	540 (9 Hr.)		70'	194.1	"
7:00	570		72'	194.3	"
7:30	600 (10 Hr.)		72'	193.8	"
	630				

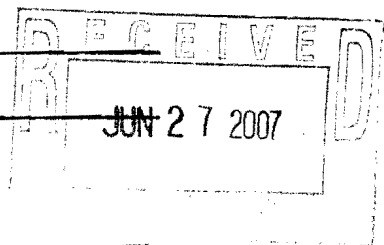
Continued

Project Inspector _____

90 82-452 LAPWAI, BIA

Clock Time	Elapsed time since pumping started/stopped (minutes)	Depth to water, below land surface (feet)	Drawdown or recovery (feet)	Pumping Rate GPM	Remarks
8:00	660 (11 Hr)		73'	194.5	"
8:30	690		74'	194.3	"
9:00	720 (12 Hr)		74'	193.8	"
9:30	STOP PUMP; START RECOVERY MEASUREMENTS		74'	195.2	"
9:31	1		69'		
9:32	2		64'		
9:33	3		63'		
9:34	4		62'		
9:35	5		62'		
9:36	6		62'		
9:37	7		61'		
9:38	8		61'		
9:39	9		60'		
9:40	10		60'		
9:50	20		59'		
10:00	30		58'		
10:10	40		57'		
10:20	50		56'		
10:30	60 (1 Hr)		55'		
	90		54'		
	120 (1Hr)				
	150				

continued



Project Inspector _____