

BILLINGS AREA INDIAN HEALTH SERVICE  
PUBLIC LAW 86-121

1-94  
364  
45 gpm

WELL LOG

Well Owner: Brian Hall IHS Project No.: BI-93-387  
Well Location: ROUND BUTTE  
Drilled By: CARTHIO DRILLING CO. Contract No.: 94-003  
Date Well Started: 1-18-94 Date Well Completed: 1-26-94

Depth:	Description of Formation:
<u>0</u> to <u>110</u>	<u>SILTY CLAY</u>
<u>110</u> to <u>277</u>	<u>WET SILTY CLAY, SAND + COBBLES</u>
<u>277</u> to <u>279</u>	<u>BOULDERS</u>
<u>279</u> to <u>305</u>	<u>SILTY SAND + GRAVEL, + COBBLES</u>
	<u>(WET)</u>
<u>305</u> to <u>354</u>	<u>SAND, GRAVEL, COBBLES, BOULDERS</u>
	<u>(1/2 GPM)</u>
<u>354</u> to <u>364</u>	<u>GRAVEL, COBBLES + BOULDERS, SAND</u>
<del><u>364</u></del> to <del><u>370</u></del>	<u>+ A LITTLE SILT + WATER</u>
<u>364</u> to <u>370</u>	<u>WHITE + GREY CLAY</u>

SIZES AND MATERIALS USED

Note: All depth measurements are from ground level at the well site.

Top Casing Line: Nominal I.D. 6 Material STEEL  
Depth Cased +2 to 364 Weight/Foot \_\_\_\_\_  
Well Screen: Make \_\_\_\_\_ Type \_\_\_\_\_  
Diameter \_\_\_\_\_ Slot Size \_\_\_\_\_ Length \_\_\_\_\_  
Depth Screened \_\_\_\_\_ to \_\_\_\_\_  
Packer Type \_\_\_\_\_ Depth To Packer \_\_\_\_\_  
Tail Pipe Size & Length \_\_\_\_\_  
Riser Pipe Size & Length \_\_\_\_\_  
Gravel Pack: Material \_\_\_\_\_  
Thickness \_\_\_\_\_ Depth \_\_\_\_\_ to \_\_\_\_\_  
Development: Method AIR/WATER Depth 364 to \_\_\_\_\_  
(Date/Time Started) 1-26-94 11:00 PM Finished 1-26-94 4:00 PM  
Estimated Well Yield 45 GPM  
Grout Envelope: Thickness 2 Depth Grouted 7 to 20  
Disinfection: Method LIQUID CHLORINE

Total Depth to Bottom of Well (Drilling) 364 .  
Total Length of Casing Installed 366 .  
Total Length of Screen Installed \_\_\_\_\_ .  
Total Well Development Time 4 hrs. .  
Total Length of Grouting 13 .  
TEST PUMP 3 hrs.

Notes: \_\_\_\_\_  
\_\_\_\_\_

Prepared By: Gary Carthio Date: 2-15-94

Concurrence  
Drillers Signature: \_\_\_\_\_ Date: 2-15-94