Lincoln-Lancaster County Health Department

ENVIRONMENTAL HEALTH DIVISION

3140 N STREET · LINCOLN, NE 68510-1514 (402) 441-8000

Permit

SEWAGE INSTALLATION
SEPTIC SYSTEM

Permit # 02380246101

Issued 05/02/02
Expires 11/02/02
Revenue Code 3157

Establishment

CHRISTIAN HERITAGE CHILDREN'S HOME
T9N R8E SEC 10 QTR SW
LOT 23IT
14900 OLD CHENEY RD-WALTON

FEES: $200.00

Permittee

CHRISTIAN HERITAGE CHILDREN'S HOME
637 VILLAGE VIEW
HICKMAN NE 68372

TOTAL: $200.00

Bruce D. Dart

Bruce D. Dart, Health Director

• POST IN A PROMINENT PLACE • NOT TRANSFERABLE

002127

MAY 0 2 2002

A

Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

Permit Number: 023802461

Sewage Disposal System

Request for Site Clearance and Permit

Include Form B, Form C and Applicable Fees with this Application.

☒ Septic System ☒ Lagoon ☐ Other (Refer to Form C)

The undersigned hereby requests site clearance and permit to construct a Sewage Disposal System in conformance with appropriate resolution or ordinance, as described herein:

PLEASE PRINT OR TYPE

A. System Location (Indicate correct number and street)

Address 14900 Old Cheney Road (no rural route) City Walton NE, Zip 68461

Legal Description I.T. SW 10 9N 8E 23 I.T.
1/4 1/4 Section Township Range Subdivision Addition Block Lot

Geographical Location (if known): Longitude _____ Latitude _____

☒ Check if system mail address is not the same as the owner's address

B. Owner

Name Christian Heritage Children's Home Signature Gregg Nicklas President

Address 637 Village View City/State/Zip Gregg Nicklas, Hickman, NE, 68372

☐ Check if owner designed system Home Phone 402 792-2479 Work Phone 402-580-3273

C. Contractor

Name Gregg Nicklas Company Name Christian Heritage Children's Home

Address 637 Village View City/State/Zip Hickman, NE 68372

☐ Check if contractor designed system Work Phone 402/580-3273

D. Engineer/Installer ☐ Check and complete if engineer designed system

Designer Name Brad Southwick Firm Southwick Sewer & Drain Work Phone 402/430-7606

E. This System Will Serve a

☒ Residential Dwelling Number of Bedrooms 8 Is there a Whirlpool Bathtub YES (NO)

☒ Commercial Establishment/Other Facility Specify Group Home for 8 adolescents & live-in houseparents

Design flow in gallons per day _____ Type of Wastewater: ☒ Domestic ☐ Non-Domestic.

DO NOT WRITE BELOW THIS LINE

Approval Process ☐ Municipal Code 24.38 ☒ County Resolution No. 2832

1. **Health Department** Date rec'd 5/2/02 Date frwd 5/3/02 ACTION ☒ Approved ☐ Disapproved Signature Jerrold C. Hood
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd 5-3-02 Date frwd 5-3-02 ACTION ☒ Approved ☐ Disapproved Signature _____
3. **City or County Engineer** Date rec'd 5/3/02 Date frwd 5/3/02 ACTION ☒ Approved ☐ Disapproved Signature _____

~~12/11/02 Sewer, lights, locks up hard~~ Partial
~~4/30/02 Partial, sewer line, some lagoon. JCH~~

Installation Final Written Approval

By Jerrold C. Hood R.E.H.S.

Date DECEMBER 19, 2002

Business Office Use Only

Date Rec'd 05/02/02

Amt Paid 200.00

Rec'd By _____ ~~Cash~~/Check No. 5015

FORM 23-100 10-96 White - Health Dept. Yellow - Engineer Pink - Bldg. Inspector

MAY 0 2 2002

B

Permit Number: 0238 02461

Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

Sewage Disposal System

Soil Absorption Test Data Report

Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 14900 Old Cheney ~~5448~~ Road (no rural route) City Walton NE, Zip 68461

Owner Christian Heritage Addresss 637 Village View, Hickman, Ne 68372

Soil Type (SCS): JuC Percolation Rate: 40 min./inch

Date of Tests 4-29 to 4-29 Weather: Precipitation — Temperature 60s

Percolation Test Data Table

A.	B.	C. D. E. F. Pre-Saturation Period				G. H. I. J. K. Percolation Readings					L. M. N. Results		
		Start		End		Start			End				
Hole No.	Hole Depth (in)	Date (Mo/Da)	Time (Hr/Min)	Date (Mo/Da)	Time (Hr/Min)	Date (Mo/Da)	Time (Hr/Min)	Water Lev (in.)	Date (Mo/Da)	Time (Hr/Min)	Elapsed Time (Min)	Water Level Drop (in)	Percolation Rates (Min/in)
1	36	4/29	8:45	4/29	1:20	4/29	4:45	34½	4/29	5:15	30	1	30
2			AM		PM		PM	32		PM		⅞	34
3								33¾				¾	40
4								29⅞				1½	20
5								32⅛				¾	40
6								32				1⅛	28
7								31⅜				¾	40
8								31½				¾	40
9								29¼				1⅜	22
10								34				1½	20
11								29¾				¾	40

Sum of Percolation Rates: 354

Average of Rates: 33

Rate Used for Calculation: 40

Person Conducting Percolation Tests

Name: Brad Southwick

Phone: 430-7606

Address 17201 So 72nd st. Hickman, Ne 68372

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks

Signature of Reviewing Official Jerrold C. Wood R.E.H.S. Date MAY 2, 2002

FORM 23-101 10-96

Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

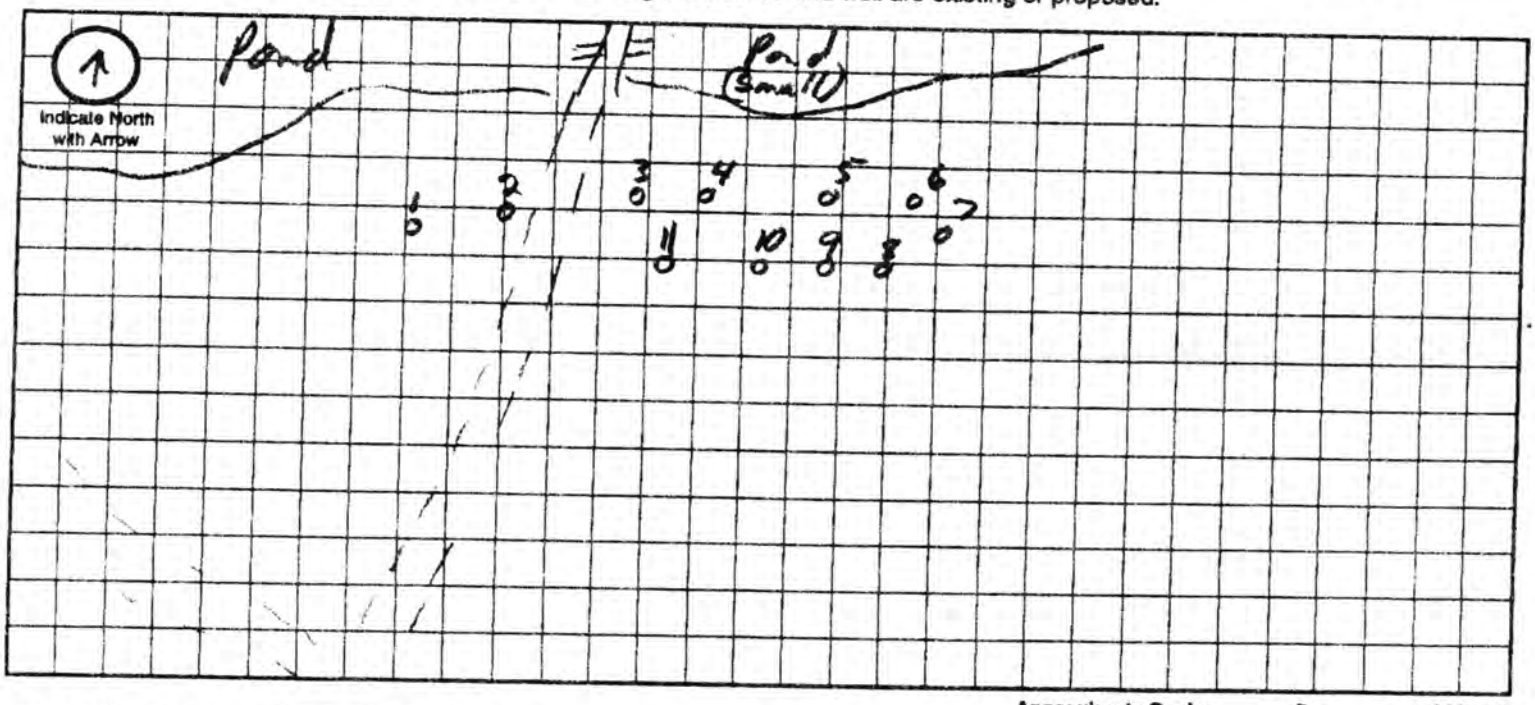
MAY 0 2 2002

C

Permit Number: 02-38 02461

Sewage Disposal System
Preliminary Plan Specifications

Draw a plot plan showing system location, lines, distribution box, tank and laterals, percolation test hole locations, well, residence, compass direction and property lines. Indicate on drawing if residence and well are existing or proposed.



Approximate Scale: _____ ft. = _____ grid line/s

A. System Location (Indicate correct number and street)

Address (no rural route) S 148 City _____ NE, Zip _____

B. Proposed Septic Tank/s

Tank Material: ☒ Concrete ☐ Plastic ☐ Other _____

C. Proposed Absorption System (See Form B for Percolation Information)

Percolation Rate 40 (min. per inch) Soil Type: JVC Land Slope: 1 %

Type of Absorption System: ☐ Trench ☐ Bed ☐ Other _____

Total Square Feet of Field Required: 2200 sq. ft.

Type of Lateral: ☒ Half-Moon ☐ Perforated Pipe ☐ Other Lateral Material: Infiltrator

Capacity of Septic Tank 1250 2A50 gals Number of Absorption Beds: _____ Number of Distribution Laterals per Bed _____

Total Length of Laterals 689 ft. Number of Trenches 6 Trench Width 4'

D. Setbacks Check the Boxes Below if the Required Setback has been Satisfied

Distance From	Private Well	Public Well	Surface Water	Gound Water	Pressure Water Lines	Property Lines	Foundations Yours	Foundations Neighbors	All Other Setbacks
Tank (ft)	50 ☒	500 ☒	50 ☒	NA ☐	25 ☒	20 ☒	15 ☒	25 ☒	☒
Field (ft)	100 ☒	500 ☒	50 ☒	4 ☒	30 ☒	20 ☒	30 ☒	40 ☒	☒
Lagoon (ft)	100 ☐	500 ☐	50 ☐	N/A ☐	30 ☐	50 ☐	100 ☐	200 ☐	☐

E. Required Signatures

Home Building Contractor _____ Date _____

Installer Brad Easterwick Date 4-29-02

FORM 23-102 10-96

Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

D

Permit Number:

Sewage Disposal System

As Built Plans & Specifications

Date 10/25

System Location (Indicate correct number and street)

Address 14900 old cheney RD (no rural route) City Walton NE, Zip 68461

A. Building Sewer

1. Material: PVC
   Diameter: 4" in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: 3' in.
3. Distance between dwelling and septic tank: 30' ft.
4. Number of clean-outs: 1
5. Distances to: well or suction line _____ ft.
   stream _____ ft.
   pressure line _____ ft.
   property line _____ ft.

B. Septic Tanks

1. Material: Concrete
   Number of compartments: _____
2. Capacity: 2000 gal.
3. Factory built: ☑ Yes ☐ No
4. Manholes: Over inlet, diameter _____ in.
   Over outlet, diameter _____ in.
   Riser: ☐ above ☐ below grade _____ in.
5. Inlet: ☐ baffle ☐ tee
6. Outlet: ☐ baffle ☐ tee
7. Depth to top of tank, below unfinished grade: 12" in.
8. Distances to: Well or suction line _____ ft.
   Stream _____ ft.
   Pressure line _____ ft.
   Property line _____ ft.

C. Distribution Box

1. Material: PVC
   Number available outlets: 4
2. Factory built: ☑ Yes ☐ No
3. Distance from septic tank: 150' ft.

D. Absorption Field

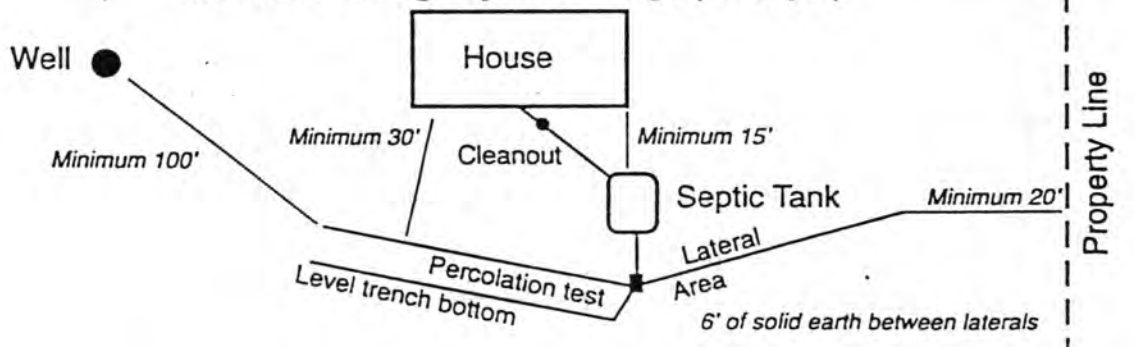
(Provide as-built drawings on back of this form)

1. Type: ☑ Half rounds ☐ Perforated pipe
   Diameter of half round: 36"
   or perforated pipe: _____
   Material: ☐ fiberglass ☑ plastic ☐ concrete
   ☐ other _____
2. Lateral lines: Number 4
   Length of each line: 100 ft. 100 ft.
   100 ft. 100 ft., _____ ft.
3. Trench dimensions: Width 4' ft.
   Slope _____ in/100 ft.
   Average depth 5' w/ Backfilled to 36" in
4. Filter material: 47B Gravel
   Depth of material 60" - 36" top in.
5. Distances to: Well or suction line _____ ft.
   Stream _____ ft.
   Pressure line _____ ft.
   Property line _____ ft.

Complete "As Built" drawing on back of this form.

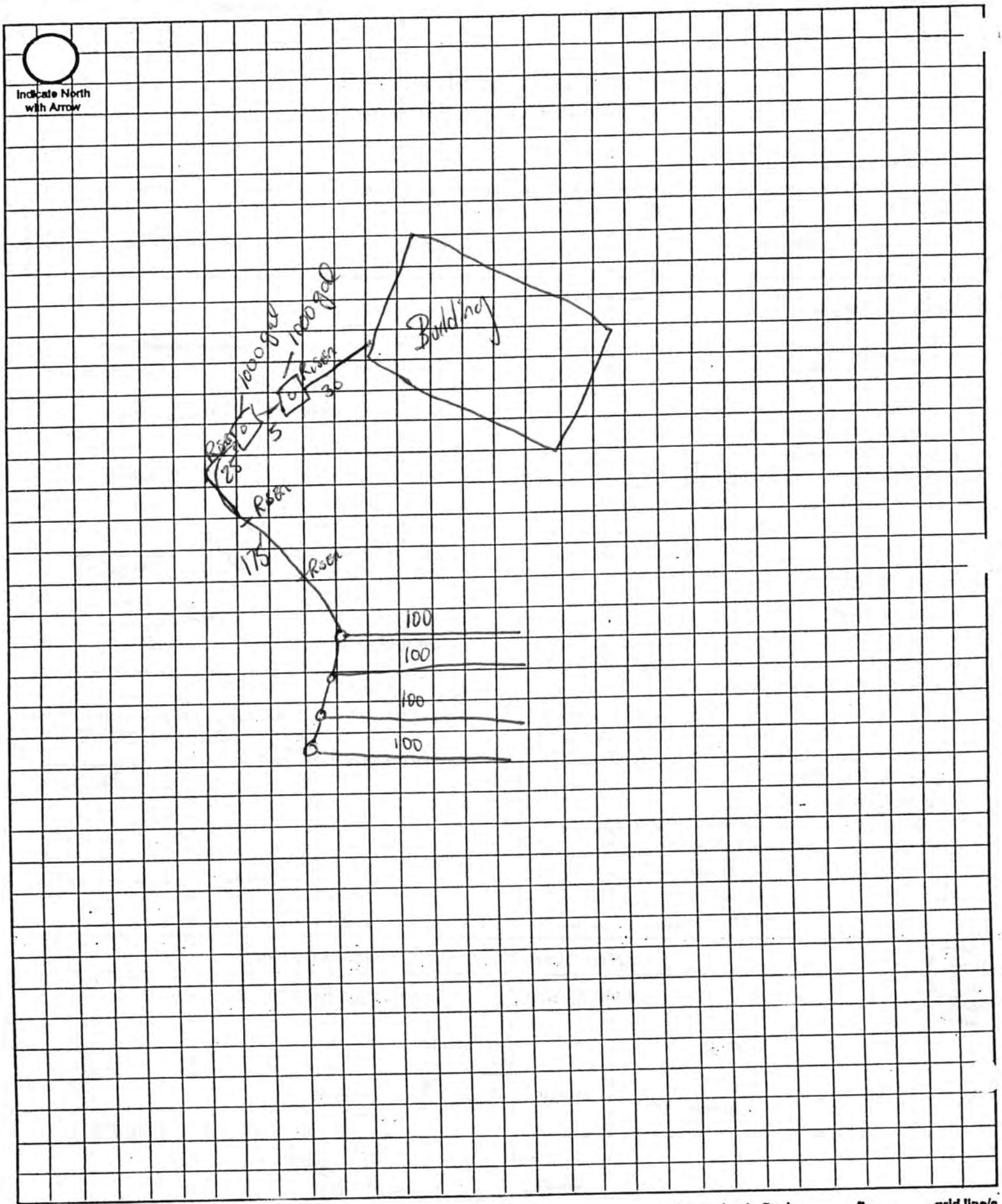
Indicate North with Arrow

Individual Sewage System Design (Example)



FORM 23-103 10-96

As Built Drawing



Approximate Scale: _____ ft. = _____ grid line/s

Moser Well Drilling and Service Inc.

Marvin Moser
Hickman, NE
Allen Moser
Hickman, NE
Bill Moser
Roca, NE
Chris Thornton
Hickman, NE
Pumps & Well Supplies - Trenching - Drilling

Hickman, Nebraska 68372
Phone: (402) 792-2515
Lincoln: 477-7291
Fax# 792-2922
www.moserwell.com

Date: 9/18/01 Well #: 72-01 Driller: Bill NRD Nemaha

Owner/Builder: Christian Heritage Children's Home, 637 Village View, Hickman, Ne 68372, Phone# 792-2961

Location: 14900 Old Cheney Rd. This is 1 block East of 148th & Old Cheney Rd on North side.

0- 40 Brown clay
40- 45 Black clay
45-232 Blue clay
232-237 Medium sand and some clay
237-245 Medium light brown sand
245-255 Gray shale and limestone

Depth: 245' Elevation:

Casing Information

Type: pvc Thickness: 200#
Length: 235' Diameter: 5"
Bore Size: 9.5" SWL: 143' M
PWL: GPM: Electric test pump did 35 gpm with a 45' drawdown
Filler Pack: 20-230'
Grout: 6-20'

Screen

Length: 10' Diameter: 5"
Type: pvc wop Slot: .025
Area of:
Screen(s):235-245'
Pack: 230-246'
Type of Pack: "B"

Chemical Analysis

Total Chlorides:
Hardness:
Nitrates: Less than .05 ppm
Bacteria: O.K.
Iron:

Lancaster/Stockton

STATE SENT 10/22/02

T.N. 9 R.E. 8 SEC. 10

COPY

LOT 23 I.T.

~max0002.TMP