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KSA 82a-1212

**Sargent Drilling**  
INDUSTRIAL ENGINEERING  
COMPLETE MUNICIPAL AND INDUSTRIAL  
WELL AND PUMP SERVICE

PO Box 367  
Geneva, NE 68361-0367

846 South 13<sup>th</sup> St.

Phone: (402) 759-3902  
1-888-496-3902

**TEST HOLE LOG**

|                             |                |
|-----------------------------|----------------|
| CUSTOMER: Nemaha Co. RWD #3 |                |
| WELL ID: 07-5               |                |
| LOCATION:                   |                |
| LATITUDE: 39° 42' 41.0"     |                |
| LONGITUDE: 095° 55' 15.2"   |                |
| FOOTAGES:                   |                |
| DATE: 6-7-07                | DRILLED BY: CL |

SWL: 182' 6"  
PWL:

| <u>from feet</u> | <u>- to feet</u> |  |
|------------------|------------------|--|
| 0                | 30               | Tan clay                               |
| 30               | 40               | Coarse sand and clay with cobbles      |
| 40               | 60               | Tan clay                               |
| 60               | 120              | Gray clay                              |
| 120              | 140              | Gray clay with fine gravel and cobbles |
| 140              | 160              | Silty clay with trace fine sand        |
| 160              | 196              | Silty clay                             |
| 196              | 200              | Silty clay with sand streaks           |
| 200              | 215              | Silty clay                             |
| 215              | 220              | Fine sand                              |
| 220              | 235              | Silty clay with sand streaks           |
| 235              | 260              | Fine sand                              |
| 260              | 291              | Medium to coarse sand                  |
| 291              | 300              | Sand with clay layers                  |
| 300              | 315              | Clay                                   |
| 315              | 320              | Clay with trace fine sand streaks      |
| 320              | 327              | Clay and fine sand                     |
| 327              | 335              | Fine to medium sand                    |
| 335              | 350              | Shale                                  |

Well Depth: 335'  
Bore Hole Dia: 6"

Plain casing: 275' of 2"  
Perf. casing: 60' of 2" slot size: .020"

Gravel pack from 40' to 170' and from 190' to 335'  
Bentonite from 0' to 40' and from 170' to 190'

dh