

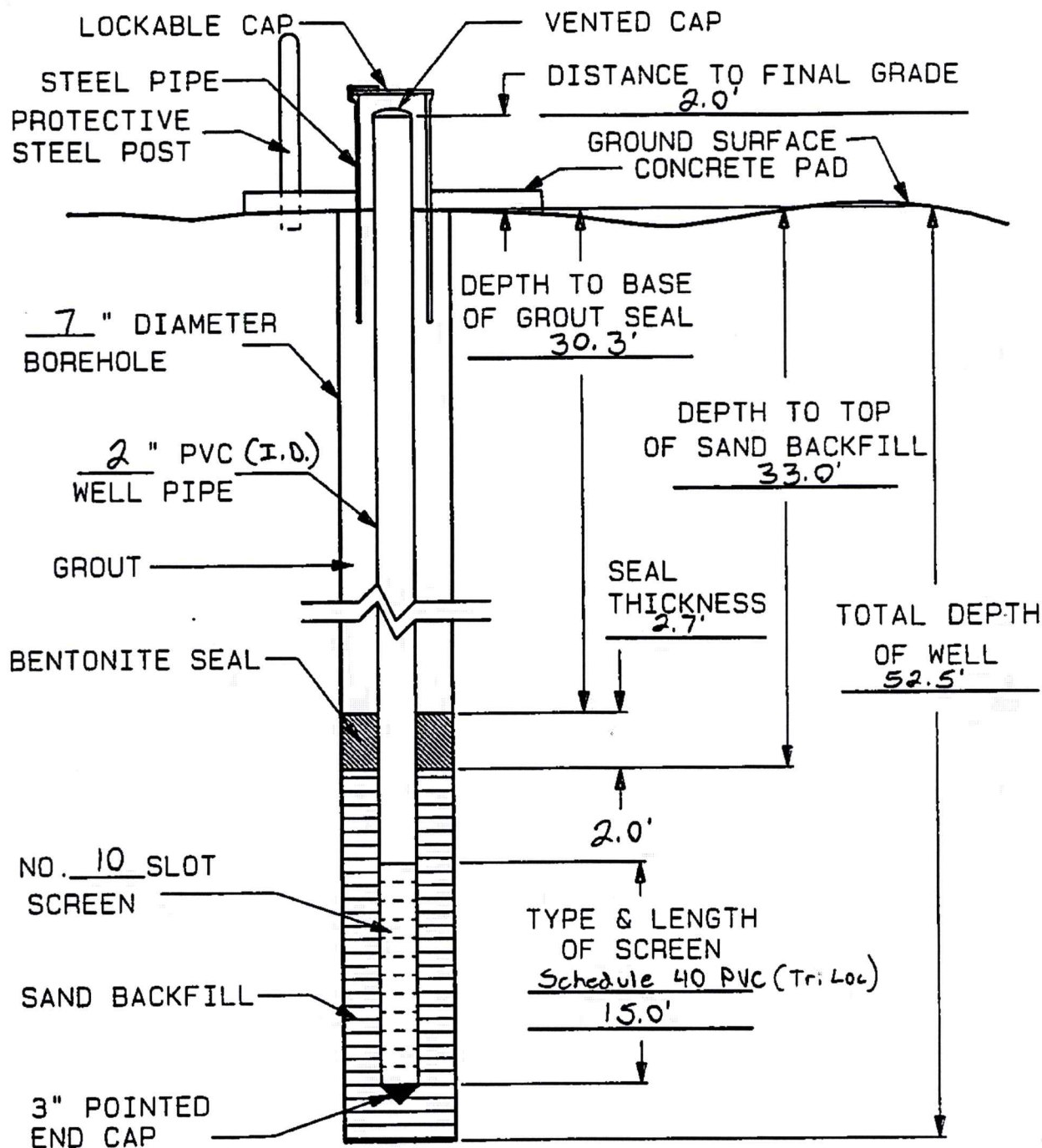
一



| OBRIEN & GERE                                                                             |           |                 |             |              |              | TEST BORING LOG                                                                                                                                                                                                                                                                                                                                                                |                            | BORING NO. GMLW#5038 HT. 2 OF 2                                                                          |              |     |      |
|-------------------------------------------------------------------------------------------|-----------|-----------------|-------------|--------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------------------------------------------------------------------------------------|--------------|-----|------|
| PROJECT LOCATION: McPherson, KS<br>Schilling Atlas Site S-5<br>CLIENT: Corps of Engineers |           |                 |             |              |              | SAMPLER<br>TYPE: CME 5-foot split-tube<br>HAMMER:<br>FALL:                                                                                                                                                                                                                                                                                                                     |                            | GROUND WATER<br>DEPTH DATE ELEV.<br>DEPTH DATE ELEV.                                                     |              |     |      |
| BORING CO: Corps of Engineers<br>FOREMAN: Danny Marquis<br>OBG GEOLOGIST: Dave Cika       |           |                 |             |              |              | RIG: CME-55<br>Mellow stem<br>Augering                                                                                                                                                                                                                                                                                                                                         |                            | BORING LOCATION: Southwest of silo<br>GROUND ELEVATION: TOC:<br>DATES: STARTED: 10-18-88 ENDED: 10-19-88 |              |     |      |
| DEPTH<br>FEET                                                                             | SAMPLE    |                 |             |              |              | SAMPLE<br>DESCRIPTION                                                                                                                                                                                                                                                                                                                                                          | STRATUM<br>CHANGE<br>DEPTH | FIELD TESTING                                                                                            |              |     | RMKS |
|                                                                                           | ST<br>NO. | (FEET)<br>DEPTH | BLOWS<br>6" | PEN/<br>REC. | "N"<br>VALUE |                                                                                                                                                                                                                                                                                                                                                                                |                            | SAL<br>p/100                                                                                             | SP.<br>COND. | HNL |      |
| 30                                                                                        |           |                 |             |              |              | medium brown to reddish-brown silty clay, some light gray, green-gray, and black mottling, occ. rust colored staining, trace to some moderately to severely weathered limestone fragments, trace fine sand - damp to moist                                                                                                                                                     | CL                         |                                                                                                          |              |     |      |
| 35                                                                                        | 8         | 34.0-39.0       |             | 5.0/5.0      |              | light brown to medium brown silty clay, some light gray around severely weathered limestone zone from 37.0' to 39.0', some fine sand and black mottling - damp to moist                                                                                                                                                                                                        |                            |                                                                                                          |              |     | Oppm |
| 40                                                                                        | 9         | 39.0-44.0       |             | 5.0/5.0      |              | light brown to medium brown silty clay, occ. light gray mottling, trace to some weathered limestone fragments, some fine sand, - damp to moist                                                                                                                                                                                                                                 |                            |                                                                                                          |              |     | Oppm |
| 45                                                                                        | 10        | 44.0-49.0       |             | 5.0/5.0      |              | Fine sand content increasing<br>Free ground water at 46.8' after ST #10                                                                                                                                                                                                                                                                                                        |                            |                                                                                                          |              |     | Oppm |
| 50                                                                                        | 11        | 49.0-52.5       |             | 3.5/3.5      |              | Light to medium brown and gray fine sandy clay, trace rust colored staining and black nodules, occ. light gray and yellow mottling, trace medium sand, - moist to wet<br>Sand content increasing                                                                                                                                                                               | SC                         |                                                                                                          |              |     | Oppm |
| 55                                                                                        |           |                 |             |              |              | Total Depth - 52.5'<br>- Set 15.0' of 2-inch I.D., Schedule 40 PVC, Tri Loc, #10 machine slot well screen at 50.0' (below ground surface), riser casing - Schedule 40 PVC, Tri Loc, from 35.0' to 2.0' above grade.<br>- Sand pack from 52.5' to 33.0'<br>- Bentonite seal from 33.0' to 30.3'<br>- Bentonite hydration time: 22 hours<br>- Grout from 30.3' to within 1.0' of |                            |                                                                                                          |              |     |      |
| 60                                                                                        |           |                 |             |              |              | ground surface with 470 lbs. of Type I cement<br>- Grout curing time: Greater than 48 hours<br>- Centralizers at 29.0' and 10.0'                                                                                                                                                                                                                                               |                            |                                                                                                          |              |     |      |

GMW #503

FIGURE 6-1

FINAL WATER LEVEL: 42.14 FEET BELOW TOP OF CASING.INSPECTED BY: Dave Cika DATE: 10-19-88

GROUND WATER MONITORING WELL

3068.017.4F GMW #503 FIELD LOG

