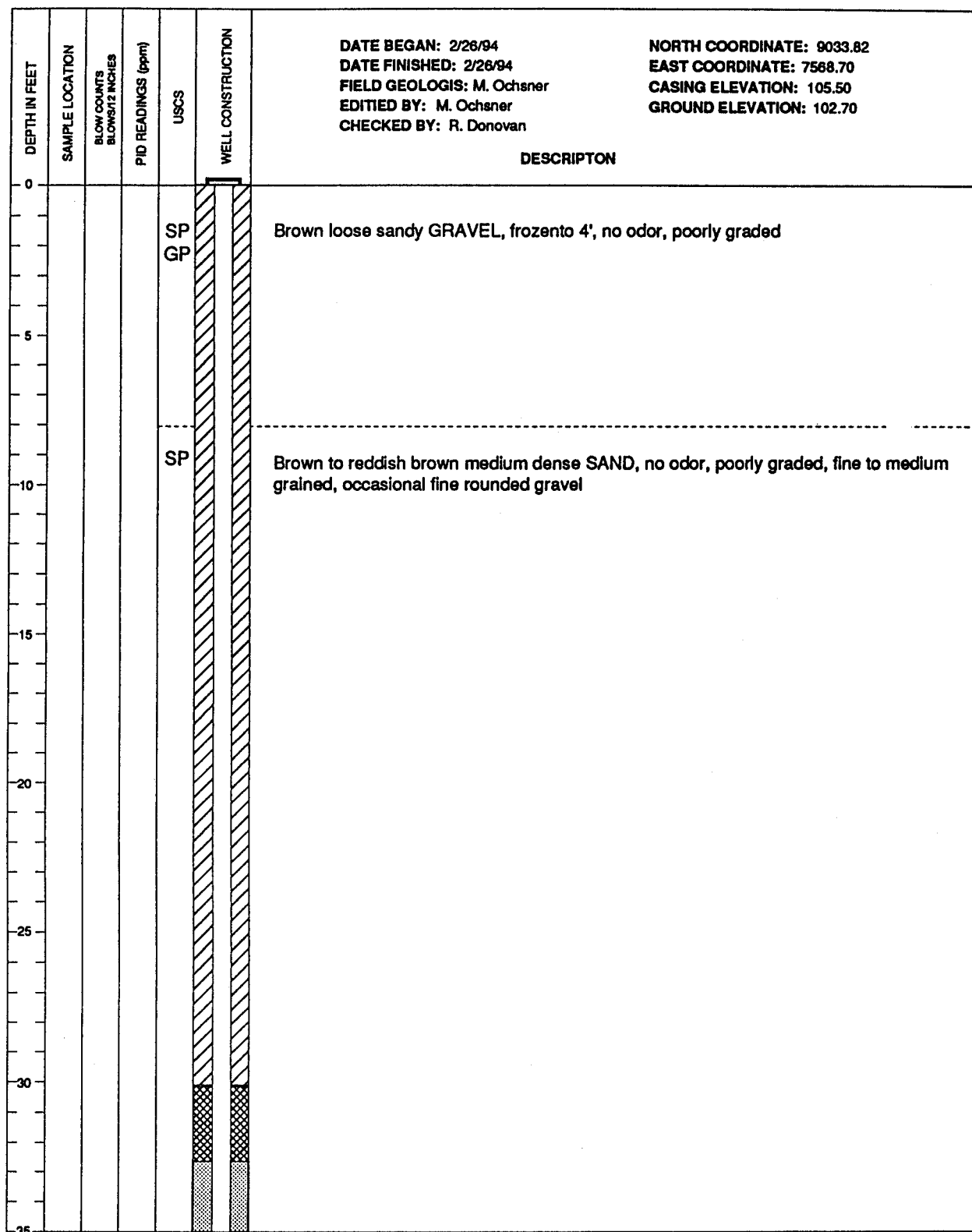


\*Guide for Using the Hydrogeologic Classification System for Logging Water Well Boreholes by Thomas M. Hanna NGWA Press

## RECOVERY WELL R-44



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PROJECT NO. 06792-032-005

SEE LEGEND FOR EXPLANATION OF SYMBOLS AND TERMS



DAMES &amp; MOORE

567-12-21 DACB

## RECOVERY WELL R-44

| DEPTH IN FEET | SAMPLE LOCATION | BLOW COUNTS<br>BLOWS/12 INCHES | PID READINGS (ppm) | USCS | WELL CONSTRUCTION | DATE BEGAN: 2/26/94<br>DATE FINISHED: 2/26/94<br>FIELD GEOLOGIST: M. Ochsner<br>EDITED BY: M. Ochsner<br>CHECKED BY: R. Donovan                          | NORTH COORDINATE: 9033.82<br>EAST COORDINATE: 7568.70<br>CASING ELEVATION: 105.50<br>GROUND ELEVATION: 102.70 |
|---------------|-----------------|--------------------------------|--------------------|------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
|               |                 |                                |                    |      |                   | DESCRIPTION                                                                                                                                              |                                                                                                               |
| 35            |                 |                                |                    |      |                   |                                                                                                                                                          |                                                                                                               |
| 40            |                 | 20                             |                    | SW   |                   | Gray to dark gray SAND with occasional fine rounded gravel, well-graded (fine to coarse-grained), wet, dense, strong hydrocarbon odor with visible sheen |                                                                                                               |
| 45            |                 | 26                             |                    |      |                   | Heaving sand                                                                                                                                             |                                                                                                               |
| 50            |                 | 64                             |                    |      |                   |                                                                                                                                                          |                                                                                                               |
| 53            |                 |                                |                    |      |                   | Small wood fragments at 53'                                                                                                                              |                                                                                                               |
| 54            |                 | 54                             |                    | CL   |                   | Dark gray silty CLAY, medium stiff, low plasticity, moist, not saturated, slight hydrocarbon odor (clay aquitard tagged at 55.0')                        |                                                                                                               |
| 60            |                 |                                |                    |      |                   |                                                                                                                                                          |                                                                                                               |
| 65            |                 | 5                              | 0.0                |      |                   |                                                                                                                                                          |                                                                                                               |

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# RECOVERY WELL R-44

| DEPTH IN FEET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | SAMPLE LOCATION                                                      | BLOW COUNTS<br>BLOW/12 INCHES | PID READINGS (ppm) | USCS | WELL CONSTRUCTION | DESCRIPTION |                    |           |        |         |       |                 |              |                                             |                |                            |              |                                         |                  |                                                                      |                    |                                          |              |                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------|--------------------|------|-------------------|-------------|--------------------|-----------|--------|---------|-------|-----------------|--------------|---------------------------------------------|----------------|----------------------------|--------------|-----------------------------------------|------------------|----------------------------------------------------------------------|--------------------|------------------------------------------|--------------|----------------------------|
| <p>DATE BEGAN: 2/26/94<br/> DATE FINISHED: 2/26/94<br/> FIELD GEOLOGIST: M. Ochser<br/> EDITED BY: M. Ochser<br/> CHECKED BY: R. Donovan</p> <p>NORTH COORDINATE: 9082.82<br/> EAST COORDINATE: 7568.70<br/> CASING ELEVATION: 108.88<br/> GROUND ELEVATION: 108.88</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                      |                               |                    |      |                   |             |                    |           |        |         |       |                 |              |                                             |                |                            |              |                                         |                  |                                                                      |                    |                                          |              |                            |
| <p>Boring completed at 56.0 feet on 2/26/94.<br/> Groundwater encountered at approximately 38.0 feet in unconfined aquifer. Static water level was 40.93 feet on 3/2/94.</p> <p style="text-align: center;"><b>WELL CONSTRUCTION DETAILS</b></p> <table> <tbody> <tr> <td>BOREHOLE DIAMETER:</td> <td>12 INCHES</td> </tr> <tr> <td>GROUT:</td> <td>VOLCLAY</td> </tr> <tr> <td>SEAL:</td> <td>BENTONITE CHIPS</td> </tr> <tr> <td>FILTER PACK:</td> <td>8/12 COLORADO SILICA/ 10/20 COLORADO SILICA</td> </tr> <tr> <td>WELL MONUMENT:</td> <td>ABOVE GROUND, 6-INCH STEEL</td> </tr> <tr> <td>WELL CASING:</td> <td>6-INCH, SCHEDULE 40, FLUSH-THREADED PVC</td> </tr> <tr> <td>SCREENED CASING:</td> <td>6-INCH, TYPE 304, CONTINUOUSLY WOUND STAINLESS STEEL 0.020-INCH SLOT</td> </tr> <tr> <td>SCREENED INTERVAL:</td> <td>34.25 TO 54.25 FEET BELOW GROUND SURFACE</td> </tr> <tr> <td>BOTTOM SUMP:</td> <td>2' 7" TAIL SECTION; 6" SS.</td> </tr> </tbody> </table> |                                                                      |                               |                    |      |                   |             | BOREHOLE DIAMETER: | 12 INCHES | GROUT: | VOLCLAY | SEAL: | BENTONITE CHIPS | FILTER PACK: | 8/12 COLORADO SILICA/ 10/20 COLORADO SILICA | WELL MONUMENT: | ABOVE GROUND, 6-INCH STEEL | WELL CASING: | 6-INCH, SCHEDULE 40, FLUSH-THREADED PVC | SCREENED CASING: | 6-INCH, TYPE 304, CONTINUOUSLY WOUND STAINLESS STEEL 0.020-INCH SLOT | SCREENED INTERVAL: | 34.25 TO 54.25 FEET BELOW GROUND SURFACE | BOTTOM SUMP: | 2' 7" TAIL SECTION; 6" SS. |
| BOREHOLE DIAMETER:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 12 INCHES                                                            |                               |                    |      |                   |             |                    |           |        |         |       |                 |              |                                             |                |                            |              |                                         |                  |                                                                      |                    |                                          |              |                            |
| GROUT:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | VOLCLAY                                                              |                               |                    |      |                   |             |                    |           |        |         |       |                 |              |                                             |                |                            |              |                                         |                  |                                                                      |                    |                                          |              |                            |
| SEAL:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | BENTONITE CHIPS                                                      |                               |                    |      |                   |             |                    |           |        |         |       |                 |              |                                             |                |                            |              |                                         |                  |                                                                      |                    |                                          |              |                            |
| FILTER PACK:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8/12 COLORADO SILICA/ 10/20 COLORADO SILICA                          |                               |                    |      |                   |             |                    |           |        |         |       |                 |              |                                             |                |                            |              |                                         |                  |                                                                      |                    |                                          |              |                            |
| WELL MONUMENT:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ABOVE GROUND, 6-INCH STEEL                                           |                               |                    |      |                   |             |                    |           |        |         |       |                 |              |                                             |                |                            |              |                                         |                  |                                                                      |                    |                                          |              |                            |
| WELL CASING:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 6-INCH, SCHEDULE 40, FLUSH-THREADED PVC                              |                               |                    |      |                   |             |                    |           |        |         |       |                 |              |                                             |                |                            |              |                                         |                  |                                                                      |                    |                                          |              |                            |
| SCREENED CASING:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6-INCH, TYPE 304, CONTINUOUSLY WOUND STAINLESS STEEL 0.020-INCH SLOT |                               |                    |      |                   |             |                    |           |        |         |       |                 |              |                                             |                |                            |              |                                         |                  |                                                                      |                    |                                          |              |                            |
| SCREENED INTERVAL:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 34.25 TO 54.25 FEET BELOW GROUND SURFACE                             |                               |                    |      |                   |             |                    |           |        |         |       |                 |              |                                             |                |                            |              |                                         |                  |                                                                      |                    |                                          |              |                            |
| BOTTOM SUMP:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2' 7" TAIL SECTION; 6" SS.                                           |                               |                    |      |                   |             |                    |           |        |         |       |                 |              |                                             |                |                            |              |                                         |                  |                                                                      |                    |                                          |              |                            |

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