Southwest Florida
Water Management District

WELL CONSTRUCTION DETAILS AT THE ROMP WR6 – WITHLACOOCHEE TRANSECT WELL SITES HERNANDO AND SUMTER COUNTIES, FLORIDA

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Prepared by

Southwest Florida Water Management District
2379 Broad Street
Brooksville FL 34604

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WELL CONSTRUCTION DETAILS AT THE
ROMP WR6 – WITHLACOOCHEE TRANSECT WELL SITES
HERNANDO AND SUMTER COUNTIES, FLORIDA

By J.L. Mallams, P.G.

Southwest Florida Water Management District

Resource Conservation & Data Department
Eric DeHaven, P.G., Director

ROMP Section
Eric DeHaven, P.G., Manager

Southwest Florida Water Management District
2379 Broad Street
Brooksville, Florida 34668-6899

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1.0 INTRODUCTION

The Southwest Florida Water Management District's (District) Regional Observation and Monitor-well Program (ROMP) constructed a transect of wells across the Withlacoochee River (River) in Hernando and Sumter Counties. The purpose of this transect is to evaluate the relationship between the ground-water levels and the River stage. These data will be used to estimate the rate of exchange between the ground and surface water systems. The transect consists of four sites, two on the east side and two on the west side of the River. Each site contains multiple wells: deep Upper Floridan aquifer well, shallow Upper Floridan aquifer well, and a surficial aquifer well. These transect sites are referred to as WR6A, WR6B, WR6C, and WR6D. WR6A is the western most site and WR6D is the eastern most site (figure 1).

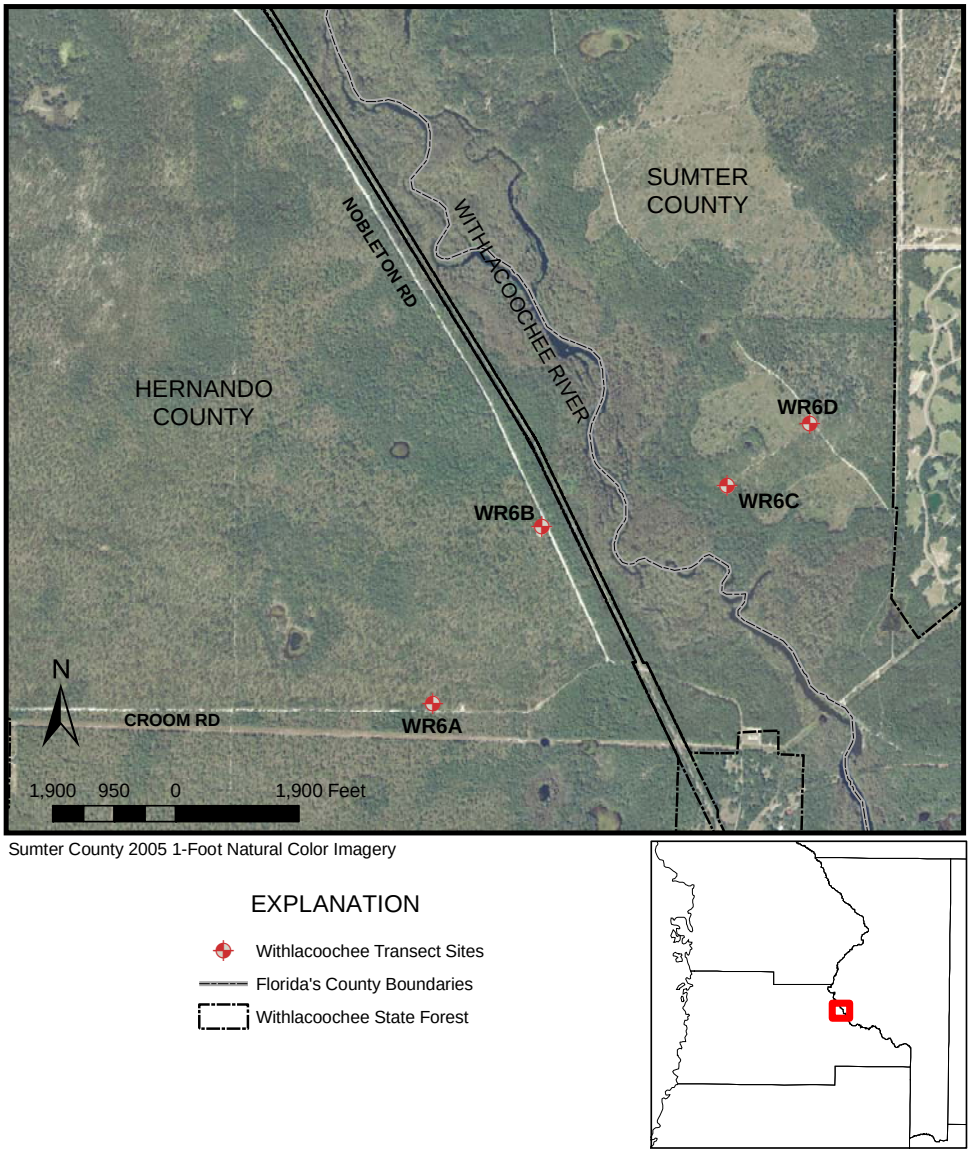

Figure 1. Location of the Withlacoochee Transect well sites in Hernando and Sumter counties, Florida.

The work consisted of two phases, a core drilling and testing phase and a well construction phase. Core drilling and testing was conducted to characterize the potable thickness of the Upper Floridan aquifer, gather lithologic data, and hydraulic data of the Upper Floridan aquifer in order to better design the transect of wells. Additional exploration was made to drill through the middle confining unit II (Miller, 1986) and into the Lower Floridan aquifer and determine its hydraulic and water quality characteristics. The data and analysis from the core drilling phase is covered under a separate report entitled *The Geology, Hydrology, and Water Quality of the ROMP WR6 - Withlacoochee Transect Well Sites, Hernando and Sumter Counties Florida.*

Core drilling and testing was conducted at site WR6B. The coring began on July 10, 2003 and ended on November 14, 2003 at a depth of 1,290 feet below land surface (bls). The wells at WR6D were constructed with the District's Central Mining Equipment (CME) coring rig from February 14, 2003 to February 28, 2003, prior to the coring drilling and testing. The remaining well construction began on February 16, 2004 and ended on May 19, 2005. The finished Withlacoochee Transect consists of 12 permanent water-level monitor wells.

2.0 WELL CONSTRUCTION

The Withlacoochee Transect consists of four well sites each containing three wells (figure 2). The wells at each site include a deep Upper Floridan aquifer well, a shallow

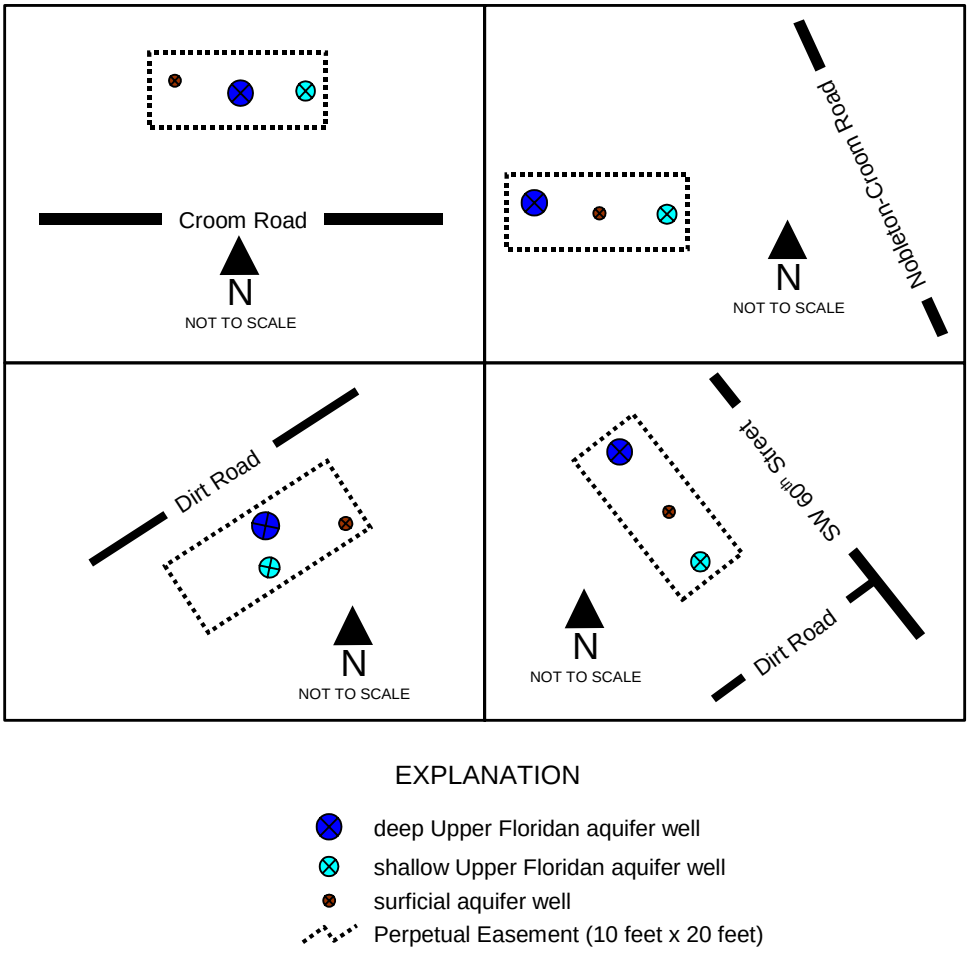

Figure 2. Well site layout for the WR6A, WR6B, WR6C, and WR6D well sites.

Upper Floridan aquifer well, and a surficial aquifer well. All surficial wells were installed using hollow stem augers. The Upper Floridan aquifer wells at WR6A, WR6B, and WR6D were installed using a rotary method, while the Upper Floridan aquifer wells at WR6C were installed using primarily cable tool drilling. In addition to the wells drilled by the District drilling crew, the drilling companies involved in the well construction for this project include Toomer & Associates, Inc. (Toomer), Universal Drilling Services Corporation (Universal), and Diversified Drilling Corporation (Diversified). Appendix A through D contains the Daily Drilling Logs for sites WR6A through WR6D, respectively.

2.1 WR6A (LWR 1) Well Site

2.1.1 Deep Upper Floridan Aquifer Well

The deep Upper Floridan aquifer well was constructed by Toomer starting March 22, 2004 and was completed on October 25, 2004. No construction occurred between April 1, 2004 to April 6, 2004 in order to construct the shallow Upper Floridan aquifer well at the site and May 28, 2004 to August 1, 2004 because the deep Upper Floridan aquifer well, completed in May, collapsed and had to have additional work done. The site was drilled using a combination of mud and reverse-air rotary drilling methods with a percussion hammer was used to drive steel casing during one phase of construction.

Starting March 22, 2004, Toomer used a 22-inch bit to drill from land surface to 20 feet below land surface (bls). Schedule 40, 18-inch PVC casing was inserted to 21 feet bls and grouted to land surface with two percent bentonite cement. Using a 17-inch bit, Toomer drilled out the bottom of the 18-inch casing to a depth of 94 feet bls. Circulation was lost at 78 feet bls and was not regained while drilling to 94 feet bls. Schedule 40, 12-inch PVC casing was lowered to 94 feet bls and pressure grouted using two percent bentonite cement. The following day the annulus was trimmie grouted to the surface and then the rig was moved over to construct the shallow Upper Floridan aquifer well.

Starting April 7, 2004, Toomer resumed construction on the deep Upper Floridan aquifer well by drilling out the bottom of the 12-inch casing with an 11 7/8-inch bit. Circulation was lost at 102 feet bls and the drilling method was changed to reverse-air methods. Using reverse-air methods the well was advanced to 118 feet bls with some difficulty keeping the hole clean and the reverse-air system from plugging. The plugging of the reverse-air system was, in part, caused by the undersized inside diameter of the kelly. Mud-rotary methods were resumed to drill from 110 feet bls (10 feet of fill) to 276 feet bls with no circulation. At this point (April 14, 2004) the driller dropped about 125 feet of rods down the well and a sinkhole (figure 3) opened that same night. The sinkhole was filled and fishing activities began. Several days were spent fishing the drilling rods out of the hole with success on April 23, 2004. After the rods were recovered the hole was tagged at 215 feet bls. An 11 7/8-inch bit was used to advance the hole to 305 feet bls using mud-rotary drilling methods. The drilling rods were being tripped out of the hole and got stuck at 276 feet bls and the sinkhole began to re-open (April 26, 2004) as seen in figure 4. The rods were removed and site secured unit the following day. The hole was tagged at 113 feet bls. Considering the issues with the sinkholes and collapsing hole it was decided to use an air hammer to drive 8-inch steel casing to refusal in an effort to seal off the zone(s) producing flowing sands. The 8-inch casing was driven to a total depth of 305 feet bls at which point it could no longer be advanced. A one-inch tremmie pipe was jetted into the annulus and 1,275 gallons of two percent bentonite cement was pumped into the annulus between the 12 and 8 inch casings in several stages until it had been filled to the surface.

Figure 3. Picture of the sinkhole that occurred on April 14, 2004 at the WR6A well site. The sinkhole occurred during the construction of the deep Upper Floridan aquifer well. The sinkhole was approximately 30 feet in diameter and ten feet deep. The total and cased depth of the borehole was 276 feet and 94 feet bls, respectively.

Figure 4. Picture of the filled sinkhole that occurred on April 14, 2004, which reopened on April 26, 2004. The sinkhole (re-) opened during the construction of the deep Upper Floridan aquifer well at the WR6A well site. The total and cased depth of the borehole was 305 feet and 94 feet bls, respectively.

Using a 7 7/8-inch bit Toomer drilled out the bottom of the 8-inch steel casing to 308 feet bls where circulation was lost. The borehole was drilled without circulation to the total depth of 340 feet bls. Once the drilling was complete the hole was developed using direct-air methods with the rods at a depth of 250 feet bls. This resulted in sediment and cuttings filling the hole to 310 feet bls. In order to clean the hole out, the kelly for the rig was reamed out to eliminate the restriction issue previously experienced and reverse-air methods were used to clean the hole down to 340 feet bls. Toomer demobilized from this site on May 27, 2004.

After the well was completed, efforts to caliper log the well were unsuccessful. District staff determined that the open hole had again filled with material. A video log showed that the base of the 8-inch steel casing was not seated into anything and that rubble was obstructing the hole at the base of the casing.

Starting August 2, 2004, Toomer returned to the site to clean out the hole, drill an additional 18 feet, and installed a four-inch liner and screen. A 7 5/8-inch bit was used to clean and drill the hole using reverse-air methods to a total depth of 358 feet bls. Throughout this cleaning and drilling, the hole continued to bridge and fill with sediment. Two zones that appeared to bridge frequently were the zone between 305 to 310 feet bls and 320 to 325 feet bls. A sand sample was collected during the well development and sieved using sieve numbers 25, 35, 60. Sieves 25, 35, 60 represent grain sizes of 0.0278 inches, 0.0197 inches, and 0.0098 inches, respectively. These sieves were specifically selected to represent a 0.030, 0.020, and 0.010 slot screens so that the correct screen size could be selected based on the formation sands that exist in this interval. Based on a criterion of 50 percent of the material being retained by the screen a 0.010 slot screen was selected. Once the hole was stabilized, 30 feet of four-inch, schedule 40 screen (0.010 slot) was installed along with 326 feet of four-inch schedule 40 PVC casing with a back off at 56 feet bls. From 56 feet bls to 2.98 feet above land surface (als) five-inch schedule 40 PVC was used. The five-inch PVC casing was installed to allow a float style water measuring device. The filter pack for this well consists of 20/30 silica sand and rock (#89 stone) in the upper section. While pulling the tremmie pipe out of the well it caught on a centralizer and pulled the entire liner up two feet. Above the filter pack bentonite pellets and bentonite cement was used to fill the annulus up into the 8-inch casing. Between the 8 and 4 inch (and 5-inch) casings bentonite cement was used to land surface.

The finished well was developed using reverse-air methods with the intake located at the bottom of the well. The specific capacity of the well was tested by pumping at a rate of 32 gallons per minute (gpm) with an observed drawdown of 2.27 feet. The resulting specific capacity is 14.1 gpm per foot of drawdown. The static water level in the finished well measured on August 25, 2004 was 30.63 feet below the top of casing or 27.65 feet bls. Toomer demobilized from this site on August 25, 2004. The final as-built diagram can be seen in figure 5.

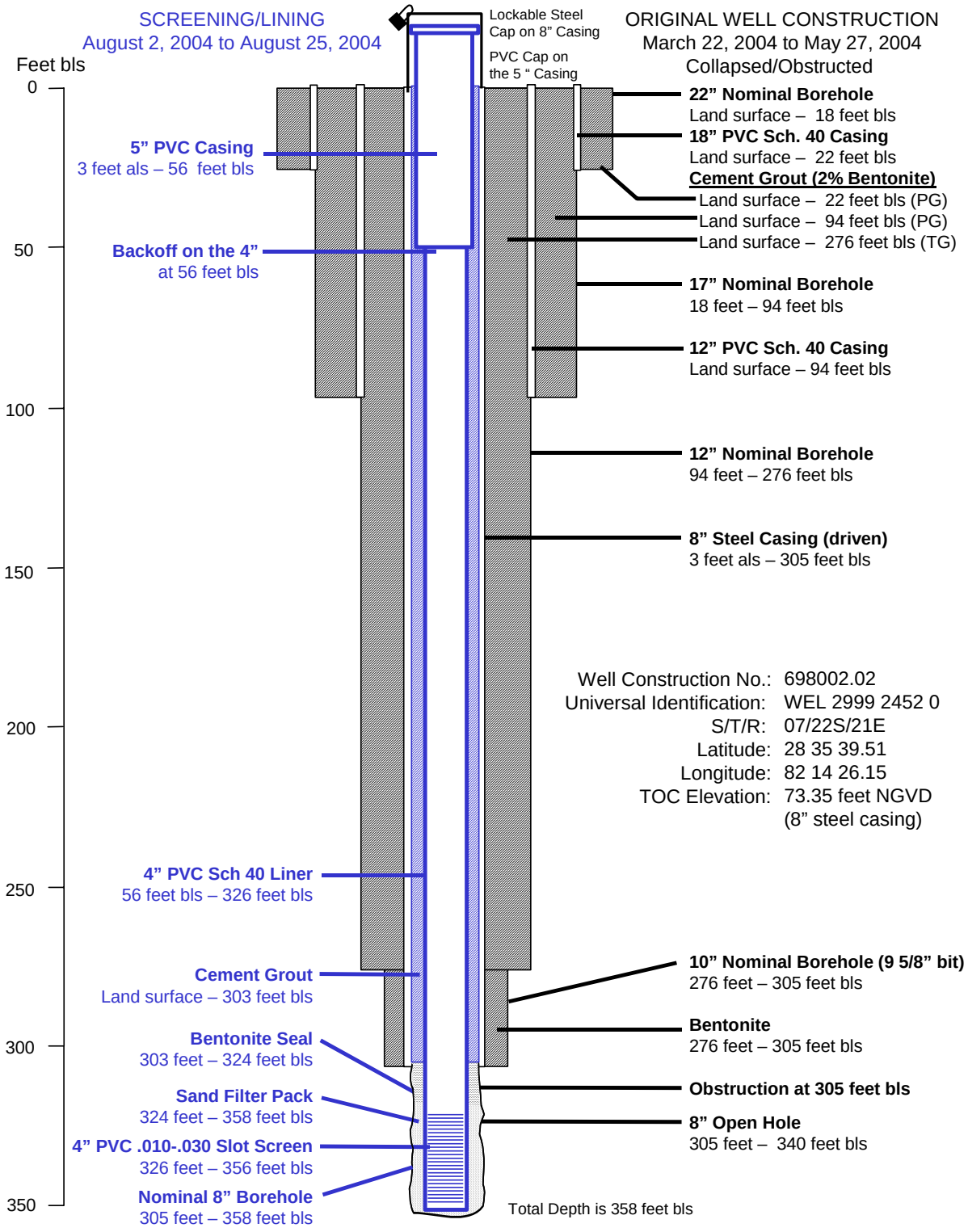

Figure 5. Well As-built Diagram for the deep Upper Floridan aquifer well at the Withlacoochee TR WR6A well site.
(", inches; bls, below land surface; Sch, Schedule; als, above land surface; PVC, polyvinyl chloride; TOC, top of casing; NGVD, National Geodetic Vertical Datum of 1929)

2.1.2 Shallow Upper Floridan Aquifer Well

The shallow Upper Floridan aquifer well was constructed between April 1, 2004 and April 7, 2004 (figure 6). Toomer used a 10 5/8-inch bit to drill to 50 feet bls using mud-rotary methods. Circulation was lost at 28 feet bls. Six-inch schedule 40 PVC casing was installed to a depth of 50 feet bls and pressure grouted into place. Mud-rotary drilling method was used to drill out the cement inside the casing (28 feet bls) to 52 feet bls. At 52 feet bls, the drilling method was changed to reverse-air methods. The hole was advanced to a total depth of 82 feet bls and developed using reverse-air methods.

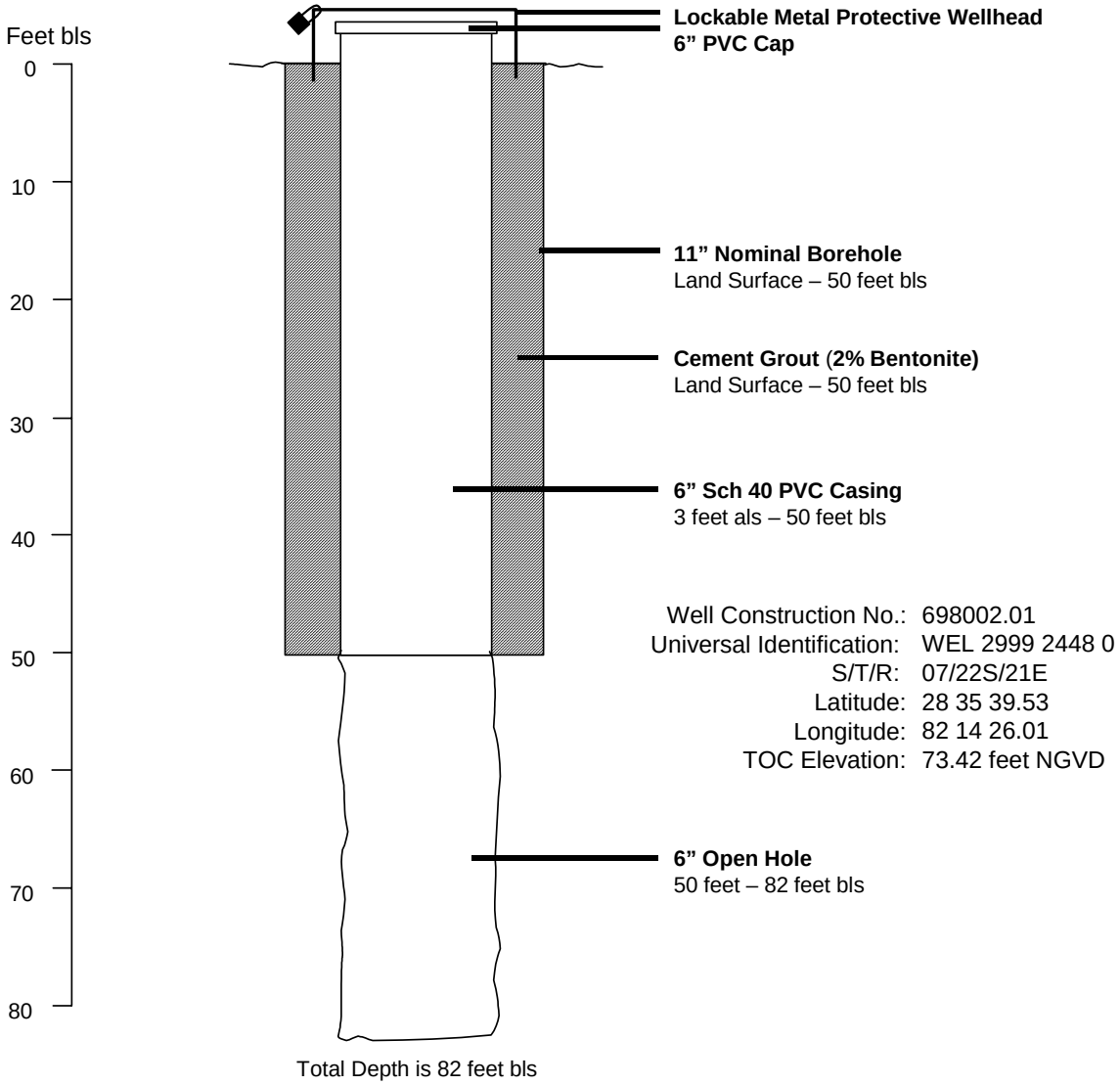

Figure 6. Well As-built Diagram for the shallow Upper Floridan aquifer well at the Withlacoochee TR WR6A well site.
(", inches; bls, below land surface; Sch, Schedule; als, above land surface; PVC, polyvinyl chloride; TOC, top of casing; NGVD, National Geodetic Vertical Datum of 1929)

2.1.3 Surficial Aquifer Well

Universal constructed the surficial aquifer well was on December 30, 2004 (figure 7). Universal collected split spoon samples from land surface to a depth of 40 feet bls. The split spoon hole was then plugged using cement. Ten in a quarter inch inside diameter (ID) augers were drilled down to 16 feet bls. Six-inch, schedule 40 screen (0.010 slot) screen was installed from 6 feet to 16 feet bls and six-inch, schedule 40 PVC casing was installed from six feet bls to three feet als. A filter pack of 20/30 silica sand was installed from 16 feet bls to 4.5 feet bls. One half foot of bentonite was installed on top of the filter pack and the remainder of the annulus to land surface was filled with cement. A well cover and pad was installed around the finished well. The final well was flushed with 72 gallons of water. The well was dry on December 30, 2004.

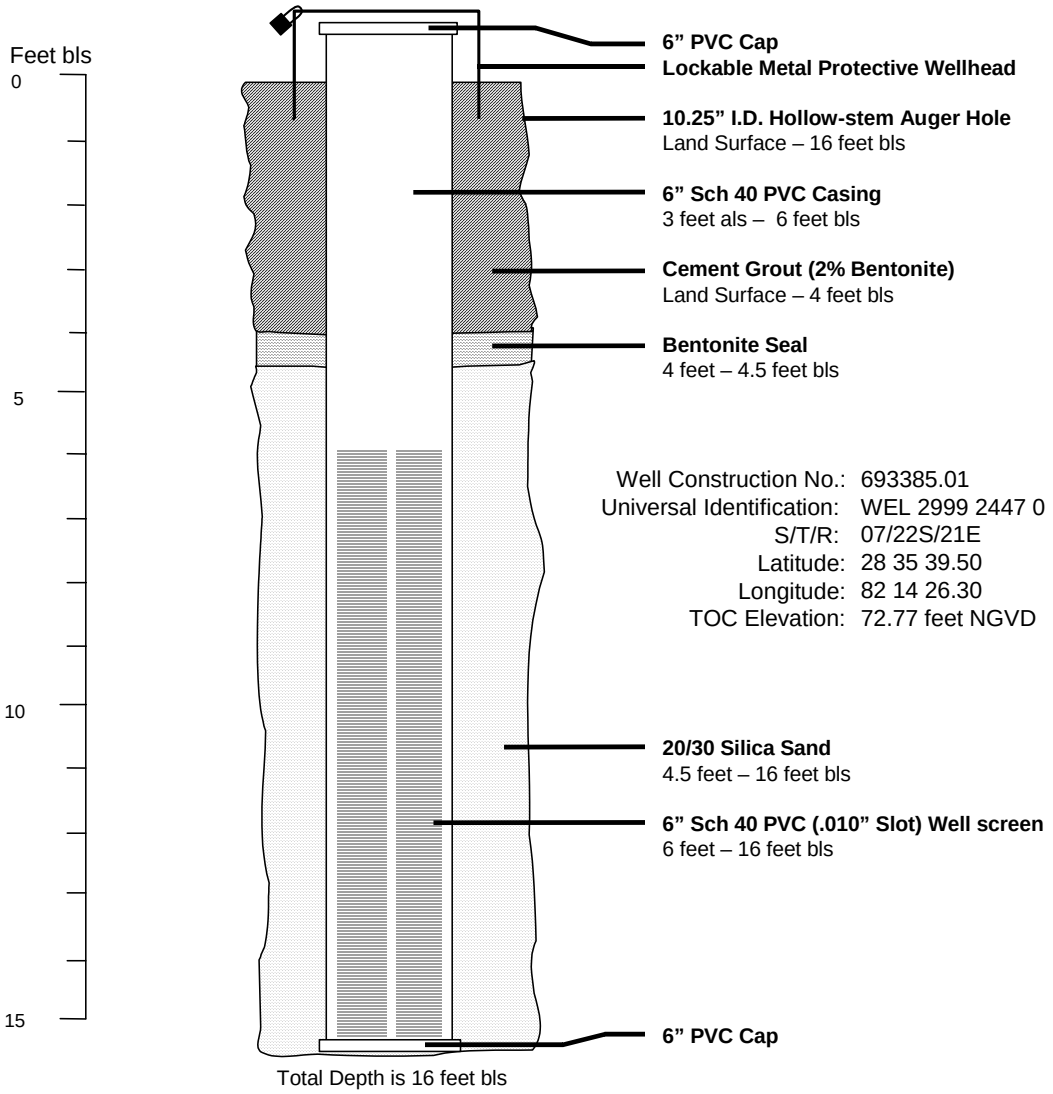

Figure 7. Well As-built Diagram for the surficial aquifer well at the Withlacoochee TR WR6A well site.
(", inches; bls, below land surface; Sch, Schedule; als, above land surface; PVC, polyvinyl chloride; TOC, top of casing; NGVD, National Geodetic Vertical Datum of 1929; I.D., inside diameter)

2.2 WR6B (LWR 2) Well Site

The District drilling crew constructed the shallow Upper Floridan aquifer well as a water supply well using the CME 85 at this well site. The District also constructed a corehole to a depth 1,290 feet bls. After coring was completed the District backplugged the corehole to a depth of 350 feet bls. Toomer converted the corehole to the deep Upper Floridan aquifer well.

2.2.1 Deep Upper Floridan Aquifer Well

The deep Upper Floridan aquifer well is a converted corehole. Conversion of the corehole to the deep Upper Floridan aquifer well occurred between February 16, 2004 and March 22, 2004 by Toomer (figure 8). The corehole at the start of this work had 50 feet of 10-inch PVC casing, a four-inch hole to a depth of 326 feet bls, and a three-inch hole to a total depth of 350 feet bls. The remainder of the corehole below 350 feet bls was back plugged by the District after coring was completed.

Prior to drilling, circulation of mud could not be established even with the use of additives such as N-seal. Toomer reamed the hole using a 9 7/8 bit and mud-rotary methods from 50 feet bls to 95 feet bls. No circulation ever occurred during this drilling. Toomer then pumped 600 gallons of 14 percent bentonite cement into the hole at 80 feet bls in order to seal off lost circulation zones. The cement was tagged at 65 feet bls and circulation could not be established. An additional 300 gallons and 125 gallons of 14 percent bentonite cement was added and tagged at 56 feet bls and 40 feet bls, respectively. At this point a 9 7/8-inch bit was used to drill from 40 feet to 120 feet bls. Circulation during this drilling could not be maintained. N-seal was added to the drilling fluid and circulation was established and the hole was advanced to 156 feet bls before circulation was lost. The hole was advanced without circulation to 165 feet bls. In order to seal off the lost circulation zone 300 gallons of 14 percent bentonite cement was pumped into the hole which was tagged at 162 feet bls the following day. A second 300-gallon batch of 14 percent bentonite cement was added to the well and tagged at 159 feet bls. Bentonite was used to back plugged the hole to a depth of 147 feet bls. Circulation was unable to be established. Toomer advanced the hole using the 9 7/8-inch bit to 326 feet bls without circulation. No problem with borehole stability was encountered.

A six-inch, schedule 40 PVC casing was pressure grouted in to a depth of 326 feet bls. The following day the cement was tagged at 272 feet bls. The remainder of the annulus to land surface was filled with primarily two percent bentonite cement. Using a 5 7/8-inch bit the hole was advanced out the bottom of the six-inch PVC casing to a depth of 356 feet bls. This was done using water as the drilling fluid. The well was developed using a combination of reverse-air and direct-air methods.

The finished well was tested for capacity. At a rate of 38 gpm, 6.35 feet of drawdown was observed resulting a specific capacity of 6 gpm per foot of drawdown. The static water level in this well on March 19, 2004 was 29.90 feet below the top of casing or approximately 28.90 feet bls.

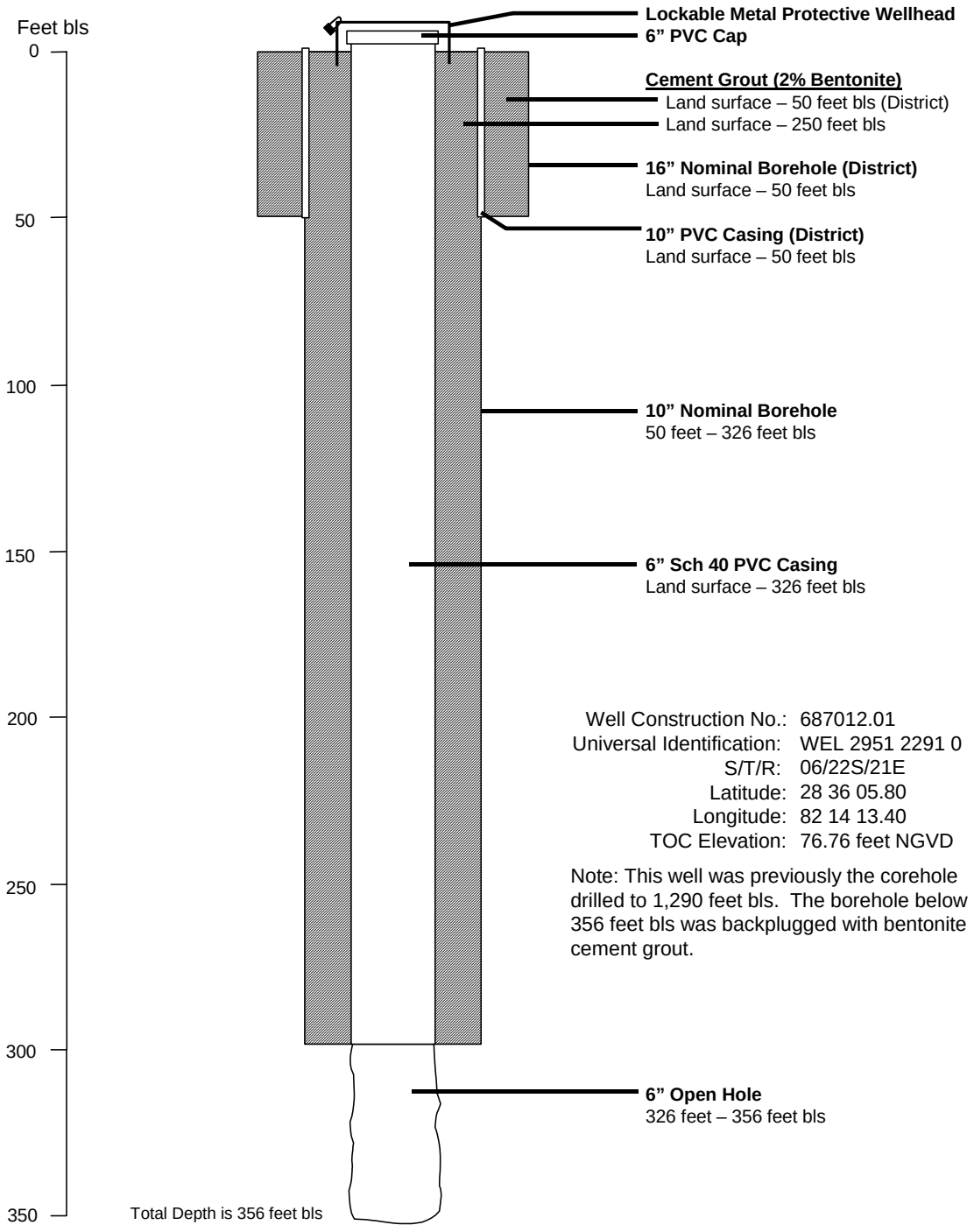

Figure 8. Well As-built Diagram for the deep Upper Floridan aquifer well at the Withlacoochee TR WR6B well site.
(", inches; bls, below land surface; Sch, Schedule; als, above land surface; PVC, polyvinyl chloride; TOC, top of casing; NGVD, National Geodetic Vertical Datum of 1929)

2.2.2 Shallow Upper Floridan Aquifer Well

The District drilling crew constructed the shallow Upper Floridan aquifer well with the Central Mining Equipment (CME) 85 coring rig between July 9, 2003 and July 17, 2003 (figure 9). This was the initial borehole with lithologic samples collected to a depth of 80 feet bls. Six in a quarter-inch augers and a six-inch split spoon were used to collect samples from land surface to a depth 20 feet bls. NQ coring methods was used from 20 feet bls to 80 feet bls. The 6 ¼-inch augers were removed and the hole was reamed using a 9 7/8-inch bit to a depth of 50 feet bls with mud-rotary drilling methods. A six-inch, schedule 40 PVC casing was pressure grouted into place to a depth of 50 feet bls. The District used a 5 5/8-inch bit to drill out of the six-inch PVC casing to a depth of 80 feet bls, using mud-rotary methods. The well was developed and the rig moved over to the primary borehole/deep Upper Floridan aquifer well.

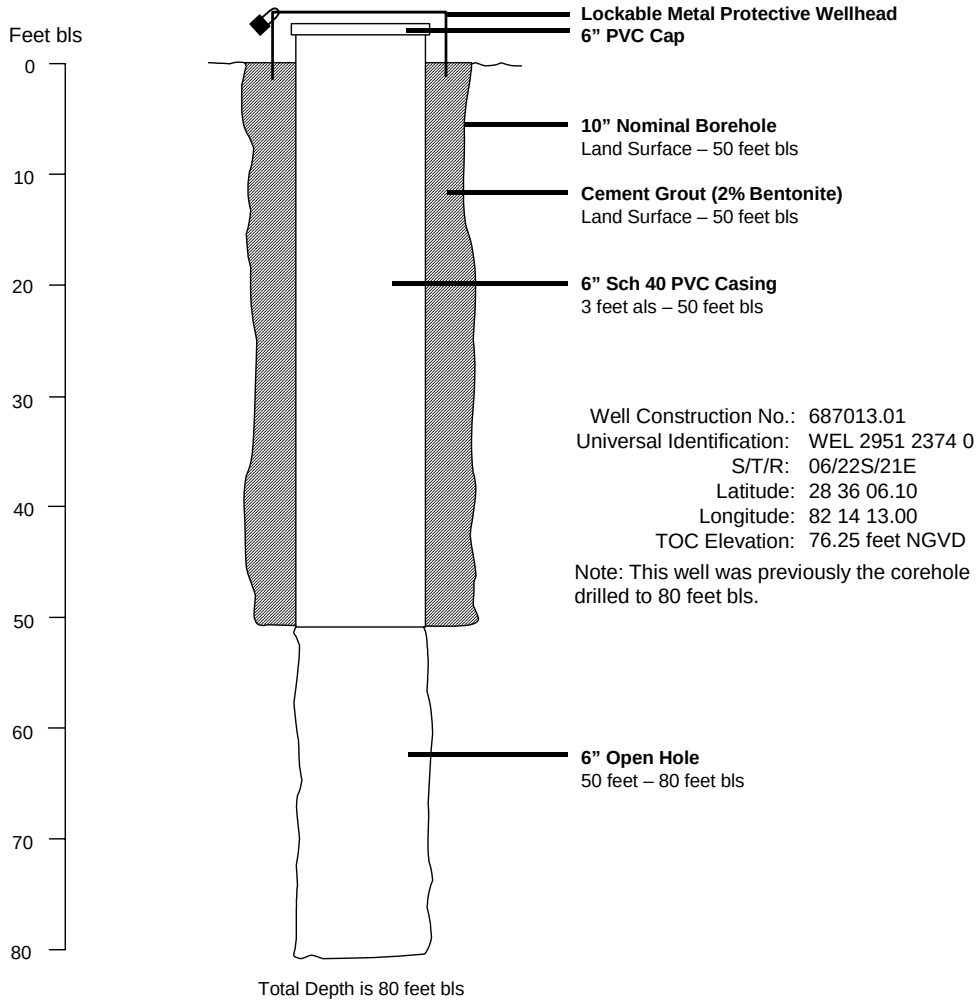

Figure 9. Well As-built Diagram for the shallow Upper Floridan aquifer well at the Withlacoochee TR WR6B well site.
(", inches; bls, below land surface; Sch, Schedule; als, above land surface; PVC, polyvinyl chloride; TOC, top of casing; NGVD, National Geodetic Vertical Datum of 1929)

2.2.3 Surficial Aquifer Well

Universal constructed the surficial aquifer well was on December 30, 2004 (figure 10). No split spoon samples were collected since the District conducted continuous coring from land surface to a depth of 1,296 feet bls. Ten in a quarter inch inside diameter (ID) augers were drilled down to 12 feet bls. Six-inch, schedule 40 screen (0.010 slot) screen was installed from four feet to 12 feet bls and six-inch, schedule 40 PVC casing was installed from four feet bls to three feet als. A filter pack of 20/30 silica sand was installed from 12 feet bls to three feet bls. One half foot of bentonite was installed on top of the filter pack and the remainder of the annulus to land surface was filled with cement. A well cover and pad was installed around the finished well. The final well was flushed with 54 gallons of water. The well was dry on December 30, 2004.

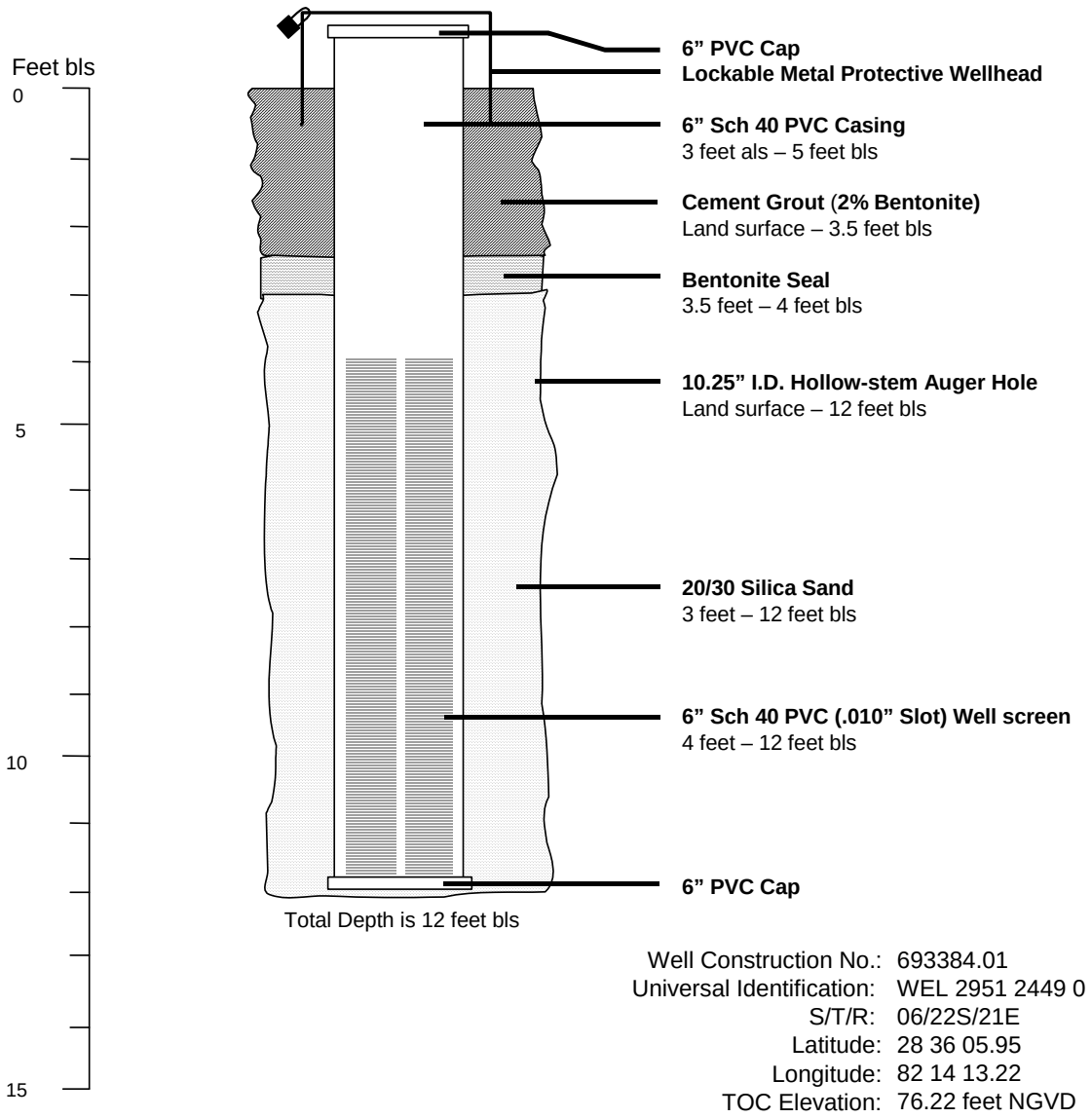

Figure 10. Well As-built Diagram for the surficial aquifer well at the Withlacoochee TR WR6B well site.
(", inches; bls, below land surface; Sch, Schedule; als, above land surface; PVC, polyvinyl chloride; TOC, top of casing; NGVD, National Geodetic Vertical Datum of 1929; I.D., inside diameter)

2.3 WR6C (LWR 3) Well Site

Toomer constructed the Upper Floridan aquifer wells at WR6C well site using a cable tool rig. Due to difficulties with the deep Upper Floridan aquifer well a SS-15II and a SS-135 were also used on this well. Diversified constructed the surficial aquifer well at this well site.

2.3.1 Deep Upper Floridan Aquifer Well

Toomer constructed the deep Upper Floridan aquifer well using a cable tool rig between April 7, 2004 and May 26, 2004 (figure 11). Ten-inch steel casing was driven to a depth of 102 feet bls. A ten-inch hole was drilled to a depth of 353 feet bls, collecting bailer samples every 10 feet. Video logging conducted during attempts to recover lost tools appeared to indicate that this hole was neither straight nor plumb. At a depth of 353 feet bls the driller indicated that we were beginning to get sand.

The deep Upper Floridan aquifer well was lined with 318 feet of six-inch, schedule 40 PVC casing plus a four-foot tailpiece of eight-inch, schedule 40 PVC. Two 8X14 inch formation packers were placed on the tailpiece. Packer placement depths of 318 and 320 feet bls were selected based on the caliper logs. Toomer inadvertently set the packers at 308 and 310 feet bls due to a miscalculation in measuring the casing. The result of this mistake was a combination of bentonite and cement grout from 327 to 355 feet bls and all visible porosity from 312 (casing location) to 327 feet bls being filled with cement. The specific capacity of this well was determined to be 0.16 gpm per foot of drawdown. Based on Theis (1935) the hydraulic conductivity (K) resulting from the specific capacity test is 1.4 feet per day. This K value was verified by a slug test which produced a K of 1.6 feet per day. The minimum expected K value for this zone was determined to be 10 feet per day the low end of the likely range of hydraulic conductivities (K) for karst environments (Halford and Kuniansky, 2002). Based on this information a minimum acceptable specific capacity was set at 1 gpm per foot of drawdown.

In order to fix this well, Toomer brought a rotary rig to drill through the cement and advance the hole to a total depth of 394 feet bls. This work was drilled using mud-rotary drilling methods and a 5 7/8-inch bit. The hole was direct-air developed through a 2-inch pipe located at 225 feet bls. Following the direct-air development, reverse-air development was conducted to ensure all cuttings were removed from the bottom of the well. A three-inch telescoped casing was set at 363 feet bls, eight feet below the base of the cemented interval. The three-inch casing had a back off located at 261 feet bls. The final well was further developed and tested for specific capacity. The specific capacity of this well is 2.3 gpm per foot of drawdown.

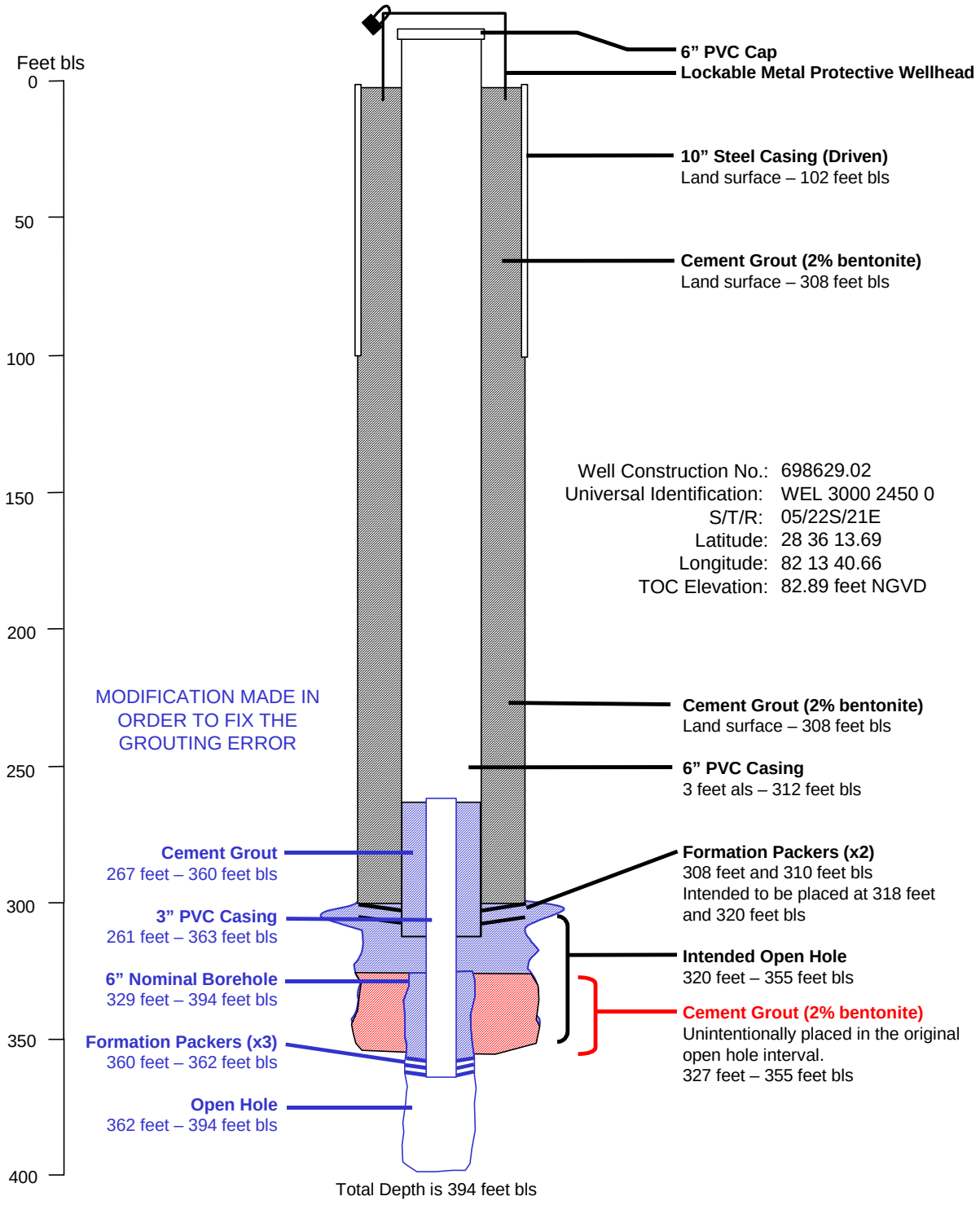

Figure 11. Well As-built Diagram for the deep Upper Floridan aquifer well at the Withlacoochee TR WR6C well site.
(", inches; bls, below land surface; Sch, Schedule; als, above land surface; PVC, polyvinyl chloride; TOC, top of casing; NGVD 29, National Geodetic Vertical Datum of 1929)

2.3.2 Shallow Upper Floridan Aquifer Well

Toomer constructed the shallow Upper Floridan aquifer well using a cable tool rig between April 1, 2004 and April 6, 2004 (figure 12). The lining and development of this well was conducted after the cable tool drilling of both the deep Upper Floridan aquifer well and shallow Upper Floridan aquifer well were completed. Ten-inch steel casing was driven to a depth of 60 feet bls and seated in medium-hard limestone. A ten-inch hole was advanced to a depth of 91 feet bls and bailed to remove the cuttings.

The shallow Upper Floridan aquifer well was lined with 60 feet of six-inch, schedule 40 PVC casing. A two-foot tailpiece of eight-inch, schedule 40 PVC was used on the bottom along with two 8X14 inch formation packers. Two bags of bentonite were placed on top of the formation packers and the remainder of the annulus to land surface was trimmie grouted with 2 percent bentonite cement. The final well was further developed using reverse-air methods.

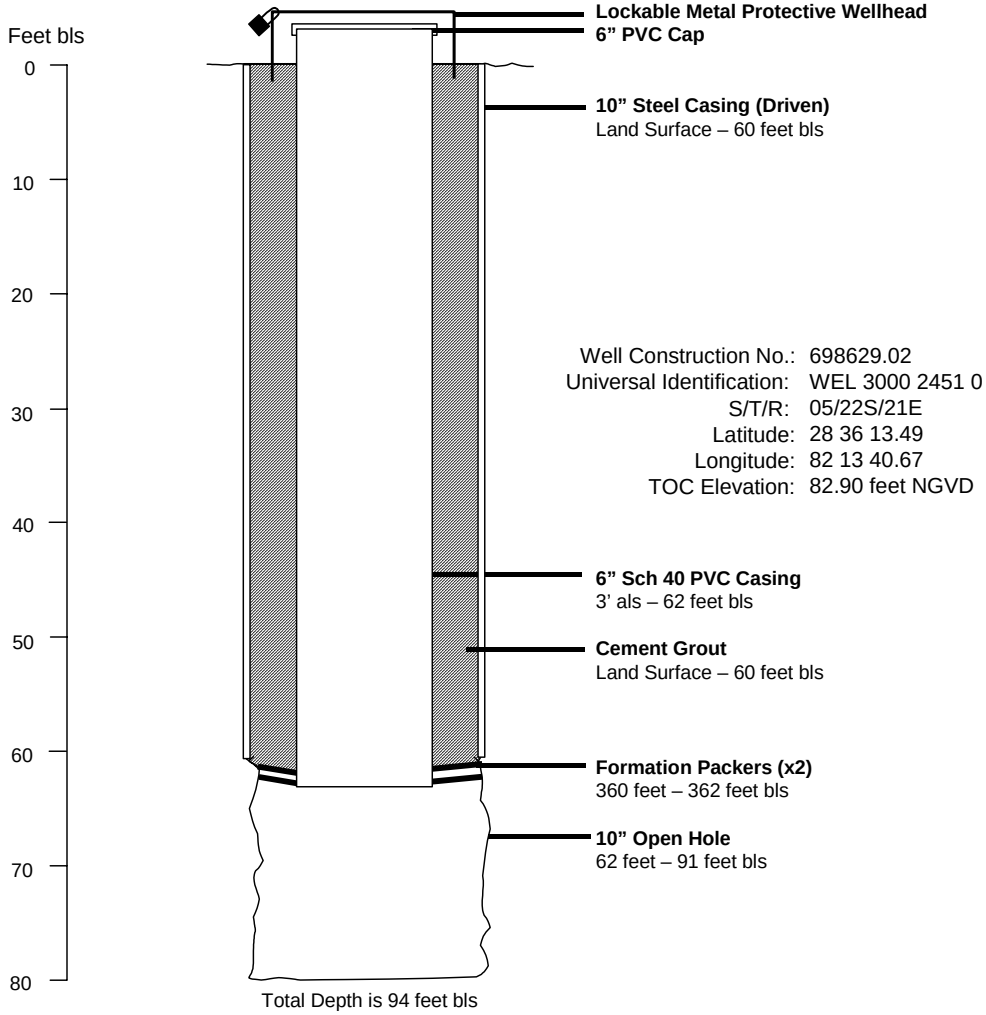

Figure 12. Well As-built Diagram for the shallow Upper Floridan aquifer well at the Withlacoochee TR WR6C well site.
(", inches; bls, below land surface; Sch, Schedule; als, above land surface; PVC, polyvinyl chloride; TOC, top of casing; NGVD 29, National Geodetic Vertical Datum of 1929)

2.3.3 Surficial Aquifer Well

Diversified constructed the surficial aquifer well was on May 19, 2005 (figure 13). Diversified collected split spoon samples from land surface to a depth of 37.5 feet bls. Circulation was lost when the sample (36 to 37.5 feet bls) was removed from the hole. The split spoon hole was then plugged using a small amount of bentonite in the bottom and the remainder with cement. Ten-inch augers were drilled down to 25 feet bls. Six-inch, schedule 40 screen (0.010 slot) screen was installed from 15 feet to 25 feet bls and six-inch, schedule 40 PVC casing was installed from 15 feet bls to three feet als. A filter pack of 20/30 silica sand was installed from 25 feet bls to 13 feet bls. Approximately one foot of bentonite was installed on top of the filter pack and the remainder of the annulus to land surface was filled with cement. A well cover and pad was installed around the finished well. The final well was flushed with approximately 200 gallons of water. The well was dry on May 19, 2005.

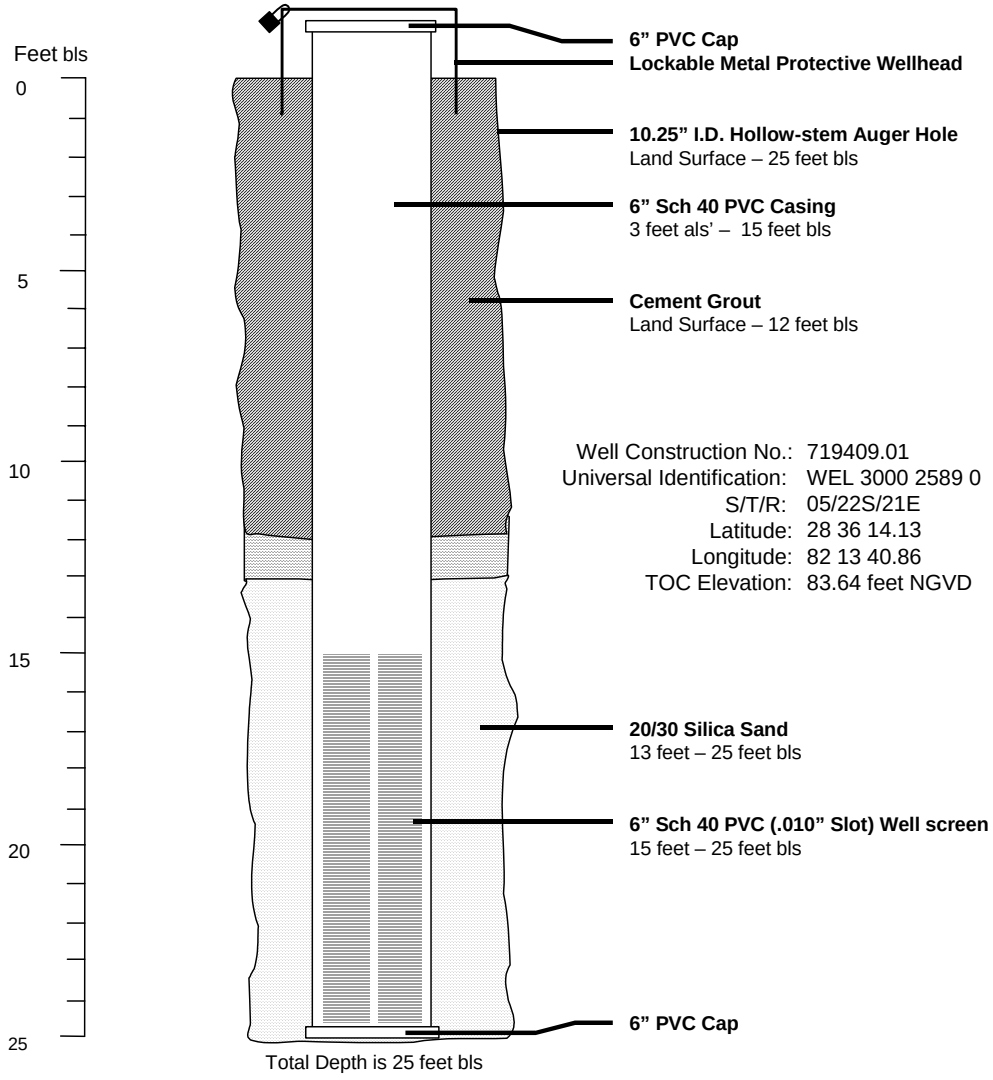

Figure 13. Well As-built Diagram for the surficial aquifer well at the Withlacoochee TR WR6C well site.

(", inches; bls, below land surface; Sch, Schedule; als, above land surface; PVC, polyvinyl chloride; TOC, top of casing; NGVD 29, National Geodetic Vertical Datum of 1929; I.D., inside diameter)

2.4 WR6D (LWR 4) Well Site

The WR6D well site is the most easterly site of the Withlacoochee Transect. The District drilling crew using a Central Mining Equipment (CME) 85 rig constructed this site. Both mud-rotary and reverse-air drilling methods were used during the construction. The surficial well was installed using hollow-stem augers.

2.4.1 Deep Upper Floridan Aquifer Well

The District drilling crew constructed the deep Upper Floridan aquifer well between February 17, 2003 and February 28, 2003 (figure 14). The District mud-rotary drilled to 20 feet bls using a 21-inch hole opener and set 16-inch, schedule 40 PVC casing. Using a 14 ½-inch bit, the hole was advanced to 40 feet bls where circulation was lost. The hole was advanced and additional 20 feet without circulation; then 10-inch, schedule 40 PVC casing was pressure grouted into place. Using a 9 7/8-inch bit and reverse-air methods the hole was advanced to a depth of 250 feet bls. Six-inch, schedule 40 PVC casing was pressure grouted to a depth of 250 feet bls. The District used a 5 7/8-inch bit to drill to the total depth of 296 feet bls. The completed well was direct-air developed.

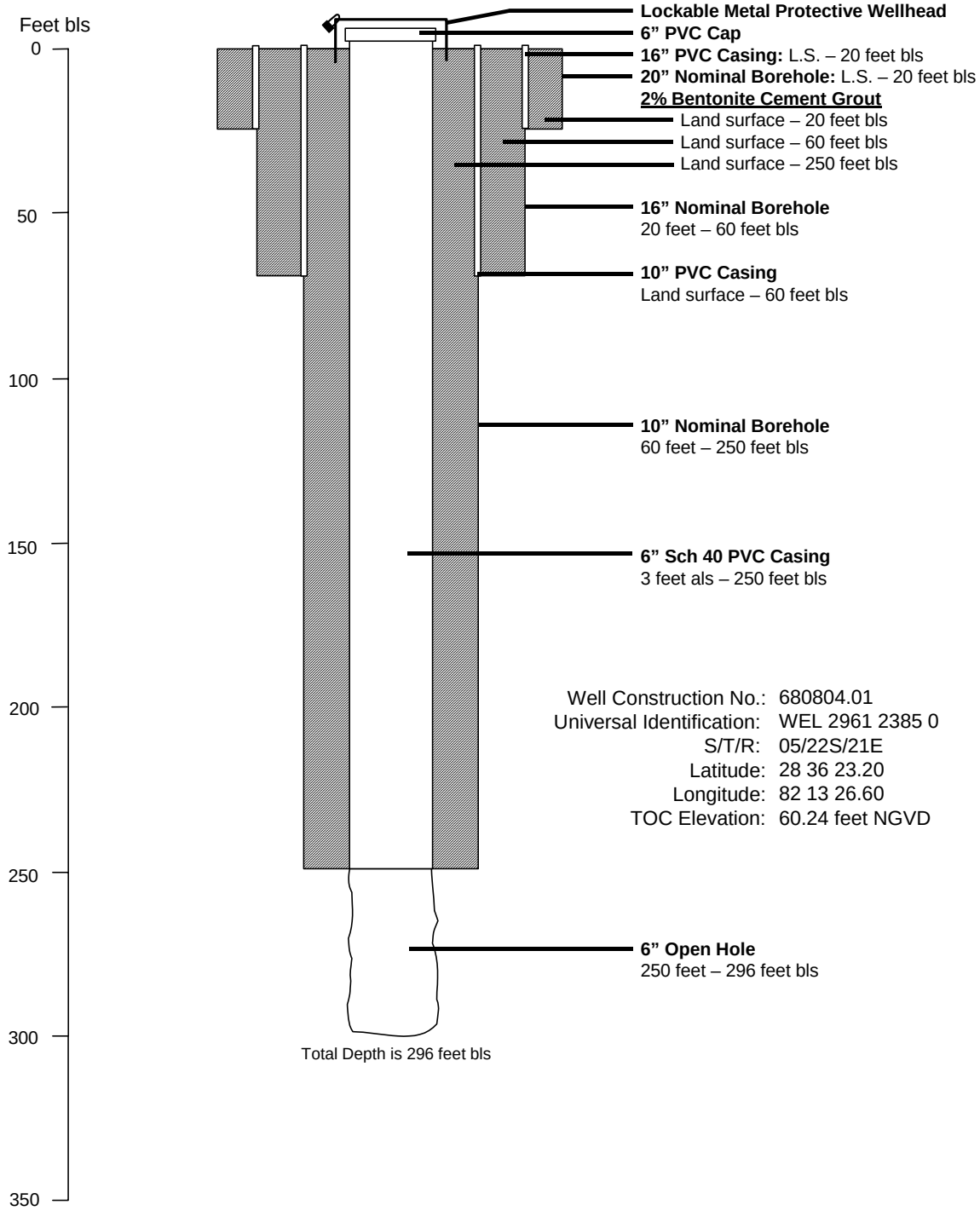

Figure 14. Well As-built Diagram for the shallow Upper Floridan aquifer well at the Withlacoochee TR WR6D well site.
(", inches; bls, below land surface; Sch, Schedule; als, above land surface; PVC, polyvinyl chloride; TOC, top of casing; NGVD, National Geodetic Vertical Datum of 1929; L.S., land surface)

2.4.2 Shallow Upper Floridan Aquifer Well

The District drilling crew constructed the deep Upper Floridan aquifer well between February 15, 2003 and February 28, 2003 (figure 15). The District drilled to a depth of 50 feet bls using a 9 5/8-inch bit and pressure grouted six-inch, schedule 40 PVC casing into place. The District used a 5 7/8-inch bit to drill to the total depth of 80 feet bls. The completed well was direct-air developed.

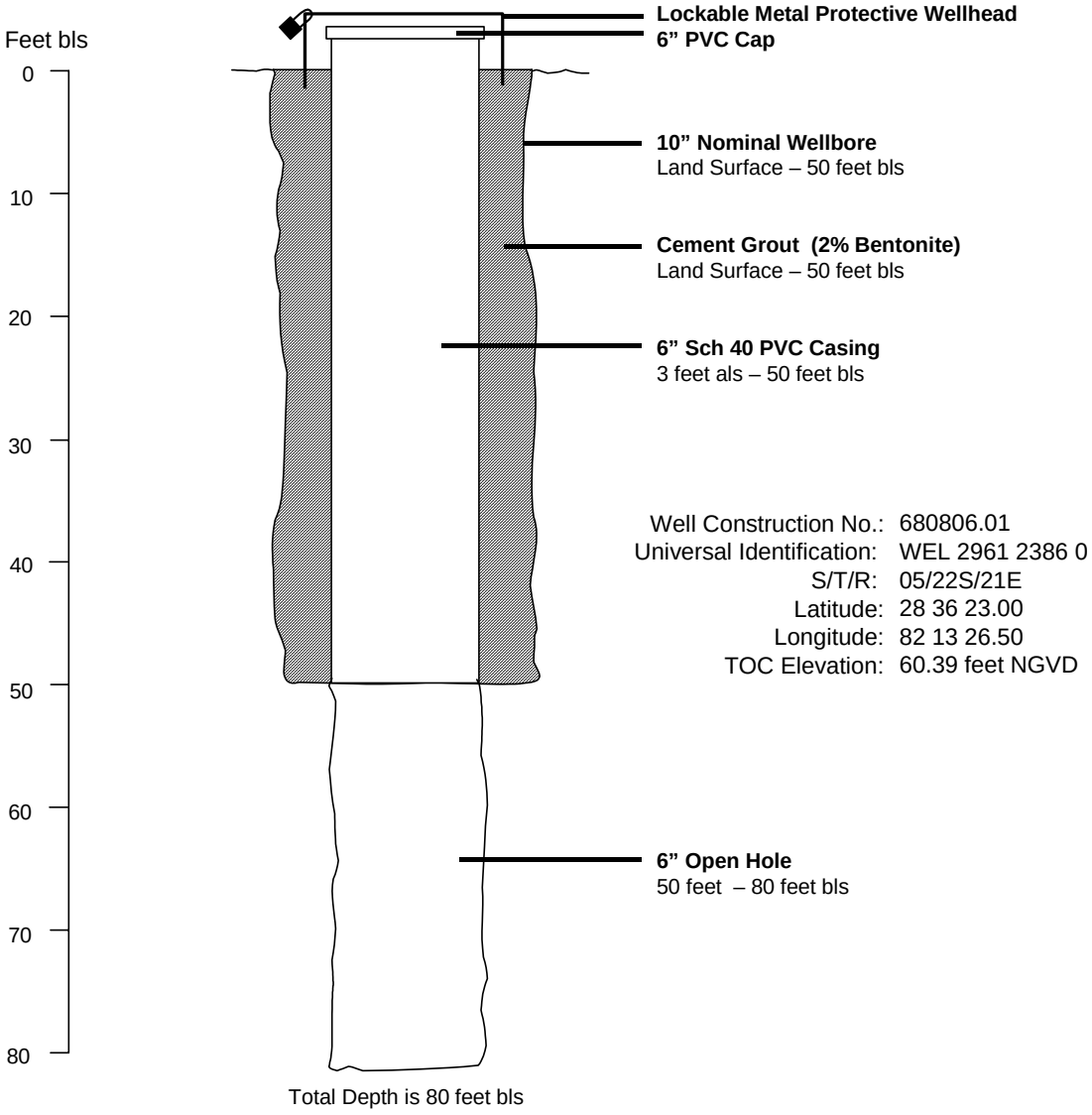

Figure 15. Well As-built Diagram for the shallow Upper Floridan aquifer well at the Withlacoochee TR WR6D well site.
(", inches; bls, below land surface; Sch, Schedule; als, above land surface; PVC, polyvinyl chloride; TOC, top of casing; NGVD, National Geodetic Vertical Datum of 1929)

2.4.3 Surficial Aquifer Well

The District drilling crew constructed the surficial aquifer well on February 14, 2003 (figure 16). Ten-inch augers were used to set six-inch screen to a depth of 13 feet bls. The screen interval was from seven feet bls to 13 feet bls.

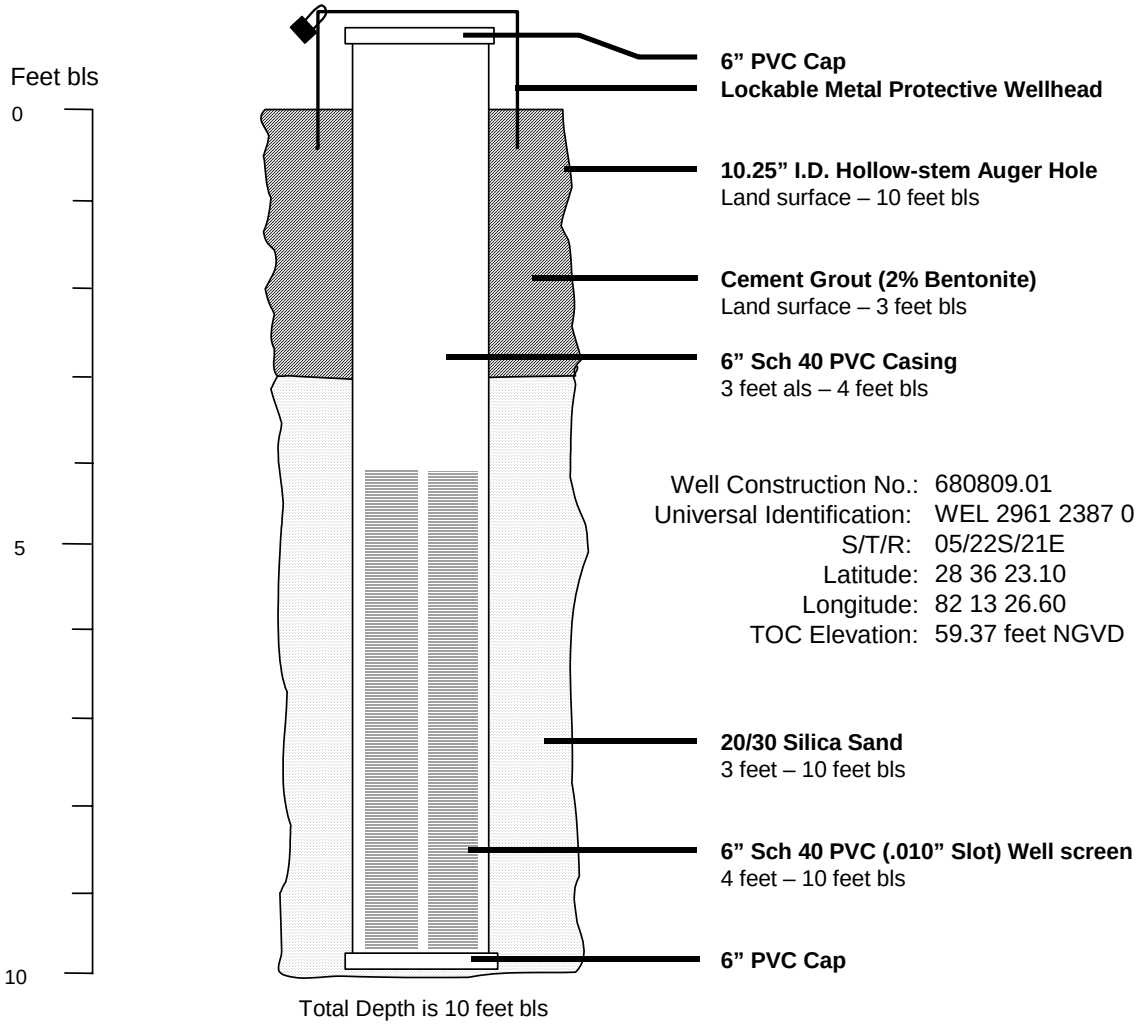

Figure 16. Well As-built Diagram for the surficial aquifer well at the Withlacoochee TR WR6D well site.
(", inches; bls, below land surface; Sch, Schedule; als, above land surface; PVC, polyvinyl chloride; TOC, top of casing; NGVD, National Geodetic Vertical Datum of 1929; I.D., inside diameter)

3.0 SUMMARY

Twelve wells were successfully constructed, eight Upper Floridan aquifer wells and four surficial wells. The deep Upper Floridan aquifer well at the WR6A well site had to be screened due to sands and unstable formation. Sinkhole activity occurred during construction of this deep Upper Floridan aquifer well. The deep Upper Floridan aquifer well at the WR6B well site was converted from the deep corehole. The shallow Upper Floridan aquifer well at the WR6B well site was converted from the shallow corehole. The surficial aquifer well at the WR6D well site is the only surficial aquifer well that has had water in it, to date. All wells are secured with locked well covers and the sites secured with locked chainlink fence.

A summary of the final well specifications can be seen in table 1.

Table 1. Final well specifications for the wells of the Withlacoochee Transect.
(Dia., Diameter; ft, feet; UFA, Upper Floridan aquifer)

Well	WR6A			WR6B			WR6C			WR6D		
	Dia.[a] (inch)	Cased Depth (ft)	Total Depth (ft)	Dia.[a] (inch)	Cased Depth (ft)	Total Depth (ft)	Dia.[a] (inch)	Cased Depth (ft)	Total Depth (ft)	Dia.[a] (inch)	Cased Depth (ft)	Total Depth (ft)
surficial aquifer	6	6	16	6	4	12	6	15	25	6	4	10
shallow UFA	6	50	82	6	50	80	6	62	91	6	50	80
deep UFA	5	326	356	6	326	356	6	362	394	6	250	396

[a]Casing diameter at land surface.

Water levels in all well are currently being monitored monthly by the Hydrologic Data Department of the District.

4.0 REFERENCES

Miller, J.A. 1986. Hydrogeologic Framework of the Floridan Aquifer System in Florida and in Parts of Georgia, Alabama, and South Carolina: U.S. Geological Survey Professional Paper 1403-B.

Theis, C.V. 1935. The relation between the lowering of the piezometric surface and the rate and duration of discharge of a well using ground-water storage: American Geophysical Union Transactions, 16th Annual Meeting, v. 16, pt. 2, p. 519-524.

APPENDIX A

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE Mo	DATE MOVED ON-SITE	NO. DAYS ON-SITE
01	Carol Kraft, Tim Lohner	12/29/03	12/29/03	01

RIG NO./NAME CONTRACTOR	CREW James Hinst	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Universal	Rhett, J. C.	D.C. = 55', well = 15'	D.C. 40'	D.C. 40'

ROMP SITE NAME/ NUMBER	Withlacoochee River #1 (LWR1)	WELL TYPE/NAME	Surficial / water level

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0930	1000	0.50	Meet crew @ I-75 and Hwy. 50. Travel to site, Set up for Data Collection.
1000	1130	1.50	Data Collection: Split Spoon sample from LS to 40'.
1130	1200	0.50	Abandon Data Collection hole using 6 (47#) bags of cement.
1200	1230	0.50	Lunch
1230	1330	1.00	Rig Repair: Need to replace starter on Rig engine. Will replace in the AM tomorrow. End day @ site.
			10 1/4" ID augers
			Universal Drilling Services, Corp
			~~Total Env. Support Services~~
			Contact: Steve Strehl

Total paid Time:	Ø	Non-Paid Time:	Ø	Accidents	Ø
District Represntative	Tim Lohner			Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
02	Carol Kraft, Tim Lohner	12/30/03 Tu	12/29/03	02

RIG NO./NAME CONTRACTOR	CREW James Hinst	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Universal	Rhett, J, C,	well = 16'	well = 16'	well = 16'

ROMP SITE NAME/ NUMBER	Withlacoochee River #1 (LWR1)	WELL TYPE/NAME	Surficial / water level

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0730	0900	1.50	Rig Repair: Replace Starter on Rig engine,
0900	0930	0.50	Finish Abandoning Data Collection hole
			using 8 (47#) bags cement.
0930	1100	1.50	Move rig to surfical hole,
			Install 6" PVC Surficial well.
			Total depth of well = 16'
			Riser Interval = 3' ALS to 6' BLS
			Screen interval (0.010 slot) = 6' BLS to 16' BLS
			20 bags 20/30 sand (50#) = 4.5' BLS to 16' BLS
			¼ bucket hole plug = 4' BLS to 4.5' BLS
			4 bags cement (47#) = LS to 4' BLS
12/31/03			
0700	0730	0.50	Install well cover and pad
			Develope well: Flush w/ 72 gal water
			Dry Well

Total paid Time:	Ø	Non-Paid Time:	Ø	Accidents	Ø
District Represntative	Tim Lohner			Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
01	Jerry Mallams Tim Lohner	Mo 03-22-04	03-22-04	01

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer's Assoc. 55-15H	Steve Griffith Brandon, Lonnie	355'	Prepare to drill	0

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect site #1	Water level monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
1330	1630	3.00	Mob Rig and equipment to site.
1630	1700	0.50	Set up Rig and equipment.
1700	1730	0.50	Fuel equipment, secure site, exchange reports

Total paid Time:	4 hr.	Non-Paid Time:	0	Accidents	0
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
02	Jerry Mallams / Tim Lohner	Tu 03-23-04	03-22-04	02

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc, SS-15II	Steve Griffith / Brandon, Lonnie	355'	setup rig / mix fluid	0'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect site #1	Water level monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0800	0830	0,50	Wait on crew to arrive.
0830	1230	4,00	Continue to set up Rig and equipment.
1230	1430	2.00	Mix drilling fluid and fill mud system.
1430	1530	1.00	Haul water from site #2.
			Stop for the day. Contractor did not have sub to connect 22" bit to Kelly on site.
		*	Saftey Issues
			Mud System: Need to complete installation of handrail on catwalk.
			Need guard for belt driven shaker

Total paid Time:	7 hrs.	Non-Paid Time:	0	Accidents	0
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

Materials: Gel - 10 bags

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
03	Jerry Mallams / Tim Lohmer	We 03-24-04	03-22-04	03

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc. S.S-15 II	Steve Griffith / Brandon, Lonnie	355'	20'	20'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect Site #1	Water level monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0730	0800	0.50	Crew on site. Start equipment, stir fluid in mud system.
0800	0830	0.50	Make up 22" bit and sub on Kelly.
0830	0900	0.50	Drill 22" hole from 0' to 10'.
0900	1200	3.00	Desand not working. Troubleshoot. Unplug desander pump and pipe. Run mud system. Pick-up Pump stopped working due to ROCK in pump that stopped rotation. Exchange Pick-up pump with 3" diaphram pump.
1200	1230	0.50	Drill 22" hole from 10' to 20'.
1230	1300	0.50	Circulate hole.
1300	1400	1.00	Run 20' of Sch. 40 18" PVC casing. Push casing to 21' (in clay). Mix and pump 200 gal. cement slurry w/2% bentonite. Used 37 (47#) bags cement. Return @ surface.
1400	1430	0.50	Clean out cement. Center casing in hole.
1430	1600	1.50	Haul water from site #2. Prepare to drill. Bill Toomer on site. Discuss rig repairs and safety issues. Decide to stop drilling until Monday 3-29-04 so that repairs can be done. Talk w/ Kevin Stover. He approved decision.
1600	1630	0.50	Secure site. Exchange reports.

Total paid Time:	6 hrs.	Non-Paid Time:	3 hr.	Accidents	0
District Representative	Tim Lohmer			Contractor Representative	Steve Griffith.

33.00-100 (09/99)

Materials used: Gel - 2 bags
Cement - 37(47#) bags

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
04	Jerry Mallams Tim Lohner	Mo 03-29-04	03-22-04	04

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomeay Assoc. SS-15 II	Steve Griffith Brandon, Tom	355'	22'	43'

ROMP SITE NAME/ NUMBER	Withlacoochee River Transect site #1	WELL TYPE/NAME	Water level monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0800	0900	1.00	Arrive on site. Wait on crew.
0900	1030	1.50	Crew on site. Finish rig repairs. Wire pick-up pump. Rewire shaker. Finish rebuilding mud pump.
1030	1230	2.00	Prepare to drill. Pick up 17" bit and sub to Kelly. Drill 5' of cement in bottom of casing.
1230	1630	4.00	Pick up 8" x 20' Drill collar. Drill 17" hole from 21' to 43'. Mix 300 gal slug of gel and N-Seal using to bags. (to stop lost circulation).
1630	1830	2.00	Haul water from site #2. Mix drilling fluid and fill mud system.
1830	1900	0.50	Secure site. Exchange reports.
			Materials Used: Gel - 18 bags E-Z mud - 1 quart N-Seal - 2 bags

Total paid Time:	8½ hrs	Non-Paid Time:	1½ hr.	Accidents	⊗
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
05	Jerry Mallams / Tim Lohner	Tu 03-30-04	03-22-04	05

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer/Issac SS-15II	Steve Griffith / Brandon, Lonnie	355'	51'	94'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect site #1	Water level monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0730	0800	0.50	Wait on crew to arrive,
0800	1000	2.00	Crew on site. Haul water from site #2
			Mix drilling fluid, Fill mud system.
1000	1230	2.50	Drill 17" hole from 43' to 78' with
			circulation, Lost circulation @ 78',
			Continue to drill to 83',
1230	1300	0.50	Mix 300 gal, 5 lug of gel and 3 bags of
			N-Seal (to stop lost circulation),
1300	1500	2.00	Haul water from site #2, Mix drilling
			fluid. Add to mud system,
1500	1545	0.75	Drill 17" hole from 83' to 94',
			No circulation,
1545	1600	0.25	Pump on bottom to clean hole,
1600	1630	0.50	Pull bit back into casing,
1630	1700	0.50	Fuel equipment, secure site, exchange reports.

Total paid Time:	9 hrs.	Non-Paid Time:	0	Accidents	Ø
District Representative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
06	Jerry Mallams / Tim Lohner	03-31-04	03-22-04	06

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer's Assoc. SS-15 II	Steve Griffith / Brandon, Lonnie	355'	Set 94' of 12" casing	94'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect site #1	Water level monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0730	0800	0.50	Trip to bottom. Encountered 8' of fill.
0800	0930	1.50	Condition Mud. Pump on bottom. Pump slug of gel and baralift.
0930	1030	1.00	Pull out of hole.
1030	1200	1.50	Run 94' of 12" sch. 40 PVC casing. Encountered 3' of fill. Pump casing to bottom. Pump slug of gel and baralift.
1200	1230	0.50	Run 84' of 2" steel tremie inside casing.
1230	1330	1.00	Mix and pump (pressure grout) 260 gal. cement slurry with 2% bentonite. Used 43 (47#) bags cement.
1330	1530	2.00	Wait on cement to harden. Haul water from site #2. Mix drilling fluid. Add to mud system.
1530	1600	0.50	Pull tremie from well.
1600	1700	1.00	Continue filling mud system.
1700	1730	0.50	Fuel equipment, Secure site, Exchange reports
			Materials used: Gel - 18 bags
			EZ-mud - 1 quart
			Baralift - 2 bags
			Cement - 43(47#) bags

Total paid Time:	10 hrs.	Non-Paid Time:	Ø	Accidents	Ø
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
07	Jerry Mallams / Tim Lohner	Th 04-01-04	03-22-04	07

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
~~Toomer Assoc.~~ SS-15II	Steve Griffith / Brandon, Lonnie	80'	50'	50'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect site #1	Water level monitor / Shallow Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0730	1030	3.00	Move Rig from Deep Upper Floridan to Shallow Upper Floridan.
1030	1200	1.50	Drill 10 5/8" hole from 0' to 50'. Lost circulation @ 28'. Regained circulation while drilling.
1200	1230	0.50	Circulate hole clean.
1230	1300	0.50	Pull out of hole.
1300	1400	1.00	Run 50' of 6" sch. 40 PVC casing. Run 42' of 2" steel tremie inside casing.
1400	1430	0.50	Mix and pump (pressure grout) 200 gal. cement slurry w/ 2% bentonite. Used 32 (47#) bags cement.
1430	1630	2.00	Wait on cement to harden. Run 1" PVC tremie in annulus of Deep Upper Floridan. Tag cement @ 55'. Mix and pump 250 gal. cement slurry w/ 2% bentonite. Used 44 (47#) bags cement. Pumped @ 55'. Pull 1" tremie from annulus. Clean up cement.
1630	1700	0.50	Pull 2" tremie from inside 6" casing.
1700	1730	0.50	Fuel equipment, secure site, Exchange Reports.

* Also pumped cement in annulus of Deep Upper Floridan

Total paid Time:	10 hrs.	Non-Paid Time:	0	Accidents	0
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
8	Jerry Mallams L Johnson	Fri 4-2-04	3-22-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc	Steve Griffith Brandon & Lonnie	80'	0	50'

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
	Withlacoochee River #1		shallow upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
		7AM	3 men crew on site
7	10	3	Tag grout at 16' BLS on shallow upper Floridan. Tag grout at 30' BLS on outside deep Floridan
			Mix & pumped 60 gal 6-94 lb SX cement + 2% gel shallow upper came to surface
			Mix & pumped 275 gal 24 SX 94 lb cement + 2% gel deep upper Floridan
10	10:45	3/4	clean & flush every thing mix water from water truck into desander unit w/ mud for Monday.
			Mix Mud 4½ 50 lb gel.
		3 3/4	Total Hrs.

Total paid Time:	3 3/4	Non-Paid Time:	0	Accidents	0
District Represntative	Lloyd H Johnson Jr.			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
9		Mon 4-5-04	3-22-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Tommy's Rascal	NO Crew Today			

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	Shallow Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
			NO Crew
			NO Paid Time

Total paid Time:	0	Non-Paid Time:	0	Accidents	0
District Represntative	Lloyd H Johnson			Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
9	Jerry M. L. Johnson	Tue 4-6-04	3-22-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Townes + Assoc.	Glen Lonnie + Thomas	80'	24'	74'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee R1	shallow upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
	8 AM		Crew on site 3 men
8	11	3	pull heady off shallow well. Tag grout inside 6" PVC at 28' BLS. Tag grout on outside 12" PVC on deep upper at 20' BLS, Mix + Pump 21 SX 94' Cement, flush + clean everything. set up to R/A shallow well, add water at surface.
11	11:30	1/2	Tryed R/A won't work
11:30	12:30	1	change back to circulation drilling. drilled 28' to 40' BLS
12:30	1	1/2	drilled 40' to 52' BLS
1	3	2	changed back to R/A & clean out well to 52'.
3	4:45	1 3/4	New hole 52' to 74' BLS very soft white limestone, add DR drill 74'-75' fine sand w/dk Brown silt. Keeps pluging off R/A
4:45	5:30	3/4	T.O.H w/ all DR's DC & bit see if pluged or rock jamed.
		9 1/2	

Total paid Time:	9 1/2	Non-Paid Time:		Accidents	
District Represntative	Lloyd Johnson			Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
10	Terry M L. Johnson	Wed 4-7-04	3-22-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Rose	Glen Lonnie & Thomas	80' Deep 356'	8' 10'	82' 102'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee R1	shallow upper Floridan & Deep upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
	8:15		Crew on site 3 men
8:15	11	2 3/4	Tag hole for depth 74' BLS T.I.H w/ 5 5/8 Bit, DC & DR's start R/A at 60' & work down to 74' & let clean out to 75' BLS. Drilled 75' to 82' BLS no problem. Work bit up & down & let set on bottom & clean out hole.
11	11:30	1/2	T.O.H w/ all DR's, DC & Bit
11:30	1:45	2 1/4	move rig over to deep upper Floridan well. T.I.H w/ 11 7/8 Bit (New) 2 - 8 in DC's & DR's clean out casing on mud to 87' BLS. hit grout 87' clean out to 92' BLS.
1:45	5		drilled 92' to 101' BLS drilled 101' to 102' BLS lost circulation at 102'. Change over to R/A. pump water in & surface to clean out mud. Work down to 102'. Keep on plugging off every time shut down 5PM
		8 3/4	hrs total

Total paid Time:	8 3/4	Non-Paid Time:		Accidents	0
District Represntative	Lloyd Johnson			Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
11	Jerry M Lloyd Johnson	Thurs 4-8-04	3-22-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc	Glen Lonnie & Thomas	356'	16'	118'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee RI	Deep upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
	7:45		3 men crew on site
7:45	10:15	2 1/2	work down to 108' BLS Keeps pluging off.
10:15	12	1 3/4	Keeps pluging off. pull up past 102' clean out. Lower back below 102' plugs off. Work to 110' BLS
12	1:30	1 1/2	still doing same thing. can run bit to bottom make 2 in plugs off, pull up above 102' clean out. Stop bit any depth below 102' plugs off. cuttings are brown sand, clay, Black organic silt w/ some limestone. Work to 118'.
1:30	2:30	1	T.O.H w/ all DR's, DC's & 11 7/8 bit.
2:30	3:15	3/4	T.I.H w/ 2" steel pipe, Tag bottom of hole at 118' BLS
3:15	4:30	1 1/4	Mix & pump grout 300 gal 225X 94 lb cement 40 lb gel. pumped at 116' BLS. T.O.H w/ 2" steel & Flush & clean everything
		8 3/4	Total hrs

Total paid Time:	8 3/4	Non-Paid Time:		Accidents	
District Represntative	Lloyd H Johnson			Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
11	Jerry M Lloyd Johnson	Thurs 4-8-04	3-22-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Tomcat Assoc		356'	16'	118'

ROMP SITE NAME/ NUMBER	R1	WELL TYPE/NAME	Deep upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
			87'-92' grout
			92'-95' Very soft limestone w/yellow ish very soft clay
			95'-101' white med limestone
			101'-102' same as above
			102'- lost mud circulation
			102'- 107'/108' very soft brown sand w/orange clay w/ black organic silt w/ limestone
			107'/108' - 113' same as above w/ lens of limestone
			113'-118' med limestone

Total paid Time:		Non-Paid Time:		Accidents	
District Represntative	Lloyd Johnson			Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
12	Jerry M. Lloyd J.	Fri 4-9-04	3-22-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc.	Glen Lonnie & Lonnie Jr.	356	0	118' BLS

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee R1	Deep upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
		8 AM	3 men crew
8	9:30	1 1/2	Went to site R2 to pull pump from 6 in well. Then back to site R1 & install in shallow upper Floridan well for water supply. Hook up every thing & fill up water truck.
9:30	~~12~~ 10:15	~~2 1/2~~ 1	T.I.H w/ 11 7/8 bit & 8 in collars. Glen said coming out of well yesterday hit something at 23 1/2 & 24' BLS. Hit going in this morning. Pulled every thing out & took a look. Big bulge inside of 12" PVC. above water line. T.I.H w/every thing & set up to R/A hole, tag at 96' BLS, grout 96' to 103.5' BLS, 103 1/2' to 107' plugs off cont. sample is same crap. Hit grout again at 107' BLS work down to 108'.
12	12:30	1/2	T.O.H up to collars
12:30	2:30		change over from R/A to mud circulation & mix desander unit w/mud & fill up w/water.

Total paid Time:	6 1/2	Non-Paid Time:	0	Accidents	0
District Represntative	Lloyd H Johnson Jr.			Contractor Representative	Glen

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
13	~~Jerry Mallams~~ Tim Lohner	04-13-04 Tu	3-22-04	13

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer's Assoc. SS-15H	Steve Griffith Lonnie, Lonnie JR.	355'	106'	224'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect site #1	Water level monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0800	0830	0.50	Crew on site, Stir and condition fluid in mud system.
0830	0900	0.50	Trip in hole, Tag fill @ 110'.
0900	1000	1.00	Mix drilling fluid, Fill mud system.
1000	1030	0.50	Mix and pump 300 gal. slug of bentonite and 3 bags of N-Seal.
1030	1100	0.50	Drill cement from 110' to 118'.
1100	1430	3.50	Drill 11 7/8" hole from 118' to 184'.
1430	1530	1.00	Mix drilling fluid. Refill mud system.
1530	1700	1.50	Drill 11 7/8" hole from 184' to 224'.
1700	1730	0.50	Pull bit back into casing.
1730	1800	0.50	Secure site, Exchange Report.
			Drilled with Lost Circulation From 110' to 224'
			Materials Used: Gel - 20 bags N-Seal - 3 bags EZ mud - 1 quart Soda Ash - ½ bag

Total paid Time:	10 hrs.	Non-Paid Time:	Ø	Accidents	Ø
District Representative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
14	Jerry Mallams Tim Lohner	We 04-14-04	03-22-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer's Assoc, SS-15H	Steve Griffith Lonnie, Lonnie JR.	355'	52'	276'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME	
Withlacoochee River Transect site #1	Water level monitor	Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0830	0900	0.50	Crew on site, Mix drilling fluid, Add to mud system.
0900	1330	4.50	Trip in hole, Bit stopped on cement @ 110', Chase cement obstruction from 110' to 224', by rotating bit and pumping drilling fluid. Continually mixing and adding drilling fluid to mud system due to lost circulation.
1330	1830	5.00	Drill 11 7/8" hole from 224' to 276', Continually adding fluid due to lost circulation.
1830	1900	0.50	Pull bit up to 99', Lower bit to see if cement had closed hole again, Hole was bridged @ 110', When driller lowered bit a second time the lifting plug came unhooked from the pipe winch block, Drill string fell through obstruction and past the Rotary table, Driller said they will attempt to fish drill string from hole tomorrow, Exchange Reports.

Total paid Time:	10.5 hrs	Non-Paid Time:	0	Accidents	0
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
15	Jerry Mallams Tim Lohner	Th 04-15-04	03-22-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc. SS-15 II	Steve Griffith Tom, Lonnie JR.	355'	0'	276'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect site #1	Water level moniter / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0800	0930	1.50	Crew on site, Prepare to find top of fish. Noticed sinkhole had developed 10' East North East of front of rig. Put in order with Operations for 60 cyds of fill Sand, to place in sinkhole. Sink hole is 30' in diameter, 10' BLS at its deepest point,
0930	1030	1.00	Run 2" tremie in hole to 200', Cannot lower tremie past 200'. Pull tremie out of hole,
1030	1230	2.00	Run 8" x 2' sub in hole on sand line, Cannot go past 110'. Pull 2" out of hole. Lower 6" bit and 4" x 30' drill collar in hole on sand line, Will not go past 110', Pull D.C. and bit out of hole
1230	1700	4.50	Build fishing tool to hook into lift plug bail. Repair slips that broke when pipe fell, Fill mud sytem with drilling fluid. Prepare to find top of fish, Sink hole still moving, Place and level 60 cyds of fill sand in and over sinkhole.
			Kevin Stover and Jerry Mallams on site.

Total paid Time:	0	Non-Paid Time:	9 hrs.	Accidents	0
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
16	Jerry Mallams Tim Lohner	FR. 04-16-04	03-22-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Tooiner Assoc. SS-15 II	Steve Griffith Brandon, Lonnie JR.	355'	0'	216'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect site # 1	Water level monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0800	0900	1.00	Wait on crew.
0900	1200	3.00	Crew on site, Sink hole had moved overnight. Lowest point 3' BLS. 1' cracks had developed around edge (360°). Check inside casing. Hole filled in to 102'. Discuss options. Sink hole still moving slowly. Tooiner and Assoc. decide to give sinkhole a chance to stabilize until Monday. Will continue fishing then. Move water truck to site # 2. Lower mast on rig and lift leveling jacks, so that if sink hole diameter increases Rig can be moved. Cover well. Secure site exchange reports.
1200	1400	2.00	Take delivery of 2 - 20 cyd dump truck loads of fill sand. Place in and over sink hole.

Total paid Time:	0	Non-Paid Time:	3 hrs.	Accidents	0
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
Jo# ~~19~~ 17	Jerry Mallams Tim Lohner	Mo 04-19-04	03-22-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc. SS-15II	Steve Griffith Brandon, Lonnie, Lonnie, Jr.	355'	Ø'	276'

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
	Withlacoochee River Transect Site # 1		Water level monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0900	2.00	Pick up 8" diameter sub. Run sub in hole on 3½" drill pipe. Tag fill @ 102', Wash to 112'. Unable to advance sub further. Pull out of hole.
0900	1200	3.00	Make up 10⅞" Bit on 3½" drill pipe. Wash and turn bit from 112' to 172'. Top of fish @ 172'. Pull out of hole.
1200	1500	3.00	Pick up fishing tool (Hook on 2" steel tremie). Run 2" tremie in hole. Weld strap @ each 21' connection. Lower fishing tool to 172', Attempt to catch fish by turning tremie and moving up and down in hole. No success.
1500	1630	1.50	Wash 2" tremie down hole from 172' to 210'. Unable to advance further. Pull 2" tremie and fish tool from hole.
1630	1700	0.50	Secure site. exchange reports.

Total paid Time:	Ø hr.	Non-Paid Time:	10 hr.	Accidents	Ø
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
18	Jerry Mallams Tim Lohner	Tu 04-20-04	03-22-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc. 55-15 II	Steve Griffith Lonnie, Brandon, Lonnie JR	355'	0'	276'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect site # 1	water level monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	MILITARY TIME LOG TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	1830	11.50	Fishing. Unsuccessful.

Total paid Time:	0	Non-Paid Time:	11½ hr.	Accidents	0
District Represntative	Tim Lohner			Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE WED	DATE MOVED ON-SITE	NO. DAYS ON-SITE
~~18~~ 19	Jerry Mallams	4-21-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer	Steve, Donny, Donny Jr, Brandon			

ROMP SITE NAME/ NUMBER	LWRI	WELL TYPE/NAME	Deep upper FL

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
12:30			Keir arrived on site
			Attempting to fish for tools @ 172'
			after several attempts it was determined
			that top of rods actually @ 140-142' b/s
			Pulled 30' rods off
			using Kelly for sweeps pass top of tools
2:50			Coming out of well with fish tool
			will attach a hook or sweep arm to
			grab tools out of ~~well~~ wall.
3:30			Ran geolog electric - Caliper to locate
5:30			top of tool
5:30			Left site

Total paid Time:		Non-Paid Time:		Accidents	
District Represntative	[signature]			Contractor Representative	[signature]

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
20	Jerry Mallams Tim Lohner	Th 04-22-04	03-22-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc SS-15 II	Steve Griffith Lonnie, Lonnie JR.	355'	0'	276'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect Site #1	Water level monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	MILITARY TIME LOG TO	ELAPSED TIME	DETAILS OF OPERATIONS
0800	0930	1.50	Crew and Kevin Stover w/ Logging induction tool on site. Run log. Find top of fish @ 113',
0930	1030	1.00	Wash to top of drill collars (206') with 2" steel tremie. Pull out of hole.
1030	1230	2.00	Trip in hole with fishing tool designed to pull pipe from wall. Work with tool in hole. Pull out of hole.
1230	1430	2.00	Trip in hole with 8" overshot. Unable to get over fish. Pull out of hole

Total paid Time:	Ø	Non-Paid Time:	6½ hrs.	Accidents	Ø
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
21	J Mallams	FRI 4-23-01		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Tuner	Steve, Connie, Lonnie J, Glen			

ROMP SITE NAME/ NUMBER	CWR1	WELL TYPE/NAME	Deep Up FA

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
8:30			Crew on site
			re-design Fish tool
11:15			Going in hole w/ tool
11:30	on clock		coming out of well with tools? Yes
12:00			1st Rod @ surface — Clock Starts
1:20			Tools on surface
1:30	leave site		Secure site + cable for weekend

Total paid Time:	1 1/2	Non-Paid Time:	3 1/2	Accidents	
District Representative				Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
22	Jerry Mallams Earl Young	M. 04-26-04	3-22-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc SS-150	Steve Griffith Lonnie Lonnie Sr.	325'	59'	305'

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
	Withlacoochee River Transect Site #1		Deep Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
800			Crew arrives with water Truck
			Break bit, go to a 9 5/8 button from
			11 7/8 milltooth
			Trip in hole Hole bridge @ 215'
			Mix Mud Start drilling blind
	1200	4	drill to 305'
1200			Hole Start Come in Rods getting
			Stuck
			Start tripping hole, Rods Stuck
			@ 276' driller worked on getting
	2:15	2 1/4	Rod loose trip Collars to Surface
2:15			Sink hole openning up More
2:15			Start Standby
	400	1 3/4	Secure Site and hole out

Total paid Time:		Non-Paid Time:	✓	Accidents	✓
District Represntative	Earl Young			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
23	Jerry Mallams Earl Young	4-26-04	3-22-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc SS-15 II	Steve Griffith Lonnie, Lonnie SR	325'		112'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect site #1	Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700			Start on Paid time @ Shop gathering Materials tool for Job (Hammer, Steel pad Eyes)
	1045	3 3/4	Arrive @ Site
1045			Torch pad Eyes for 8" Casing Move drill rods, Raise mast
	2:30	3 3/4	Remove drill Collars
230	300	1/2 hr	TAG Bottom of Hole @ 112'-113'
300	400	1 hr	Break Kelly from Rig & Cutt airline
400			Move Kelly and airline, load
	430	1/2 hr	PVC Header upon MR Johnson Truck
430			Start welding pad Eyes on 8" Secure Hole And Site
	6:45	2 1/4	out

Total paid Time:	11 3/4	Non-Paid Time:		Accidents	
District Represntative	Earl Young			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
24	JERRY MALLAMS Earl Young	wed 1-28-04	03-22-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
~~TOOMER ASSOC~~ SS 15 III	Steve Griffith Fritza, Lonnie Sr, other Helper	325	7 to 13	112'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
withlacoochee River ± Transect Site 1	DEEP UPPER Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
8:45			Crew from Toomer & Assoc. Arrive
			Start welding Sub And Pad Eyes
			Also drive Shoe.
	11.45		
1145			Go to Core Site or Site 2 # with
			backhoe dig around 2 well Cut
	1230		Casing Go back to Site # 1
1230			Get two of the Helpers Go
	2:45		install Well Cover And 2 ± 2 Pads @ Site 2
2:45			Back @ Site # 1 Fritza Welding
	3:00		on driveShoe done
300			Steve welded back side of
	330		Pad Eyes
330	400		Start to Run 8' Steel Casing
400			Steve welded Pipe
	500		Helpers leave only Steve And
			Fritza @ Site
	600		Steve Finish Welding Secure
			Site out
			* While Fritza welded Sub & drive
			Shoe Steve worked on Rig (downhole
	Plus 3 for 1		Hammer Table bushings ect.)
	= 12:15		3 for 1 Hour for welding

Total paid Time:	9.15	Non-Paid Time:	—	Accidents	
District Represntative	Earl Young			Contractor Representative	Steve Griffith

33.00-100 (09/99)

12/14/2004 hvs
KJS

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
25	JERRY MATHIS Earl Young	thru 4-29-04	3-22-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
~~TOOMER & ASSOC~~ SS15 III	Steve Griffith Lonnie, Lonnie JR Fritz	325'	210'	drive 8" to 210'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect Site #1	DEEP UPPER Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
830			Both welders welding Pad Eys & 8" CASEING
			8" went to 148' before HAMMER
	1:30	5 hrs	WAS USED.
1:30			One welder only need Stop payment for Two welders (Fritz left site)
		+ 1 2/3 hrs	Hour for 2nd welder.
			Steve welding And Running 8" Steel CASEING in.
			Reached 210'-5 for Rig TABLE = 205 @ End of drag
			Secure Hole And site
	6:30	5 hrs	Out
			* NOTES
			Rig need pull down bearings And SAYBER Sub for Kelly
			Sub is needed to drill out 8"
			Rig ALSO needs SAFETY CABLES
			For AIR HOSE And Kelly hose (OVER HEAD)
	10 hrs	+ 1 2/3	

Total paid Time:	11 2/3	Non-Paid Time:	—	Accidents	—
District Represntative	Earl Young			Contractor Representative	Steve Griffith

33.00-100 (09/99)

INCLUDED 20 min for Accounting purposes

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
26	JERRY MALLAMS Earl Young	4-30-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc SS 15 TII	Steve Griffith Connie Lennie SR	355'	195' open hole	305

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
	Withlacoochee River Transect Site #1		Deep upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0800AM			Start driving 8" will not move
			very much. Take hammer off Kelly
	10:00	2 hrs	Cut 8" blew Table after weld
10:00	~~9:50~~	~~1:50~~	Pad Eyes to secure 8"
~~9:50~~			Start setup to trip 2" trimmie
			in to Circulate mud to clean hole
	Changed by KB for increments of 15 min		trip in to 147' Cleaning as we are
			going down
			Sit and left Clean hole, And then
			try to go down. Can't get past 147'
			Talk with Kevin about options
			then agrees to trip in with bit 7 7/8
			to Clean hole they need Saber Sub
	2:30	4.5	and sub to go to bit to drill rod
2:30			Trip 2" out secure hole and
	2:30	~~4:40~~	site out
		?	work on sub @ office 7ab
			hour to be let known
			1/3 contr hr agreed upon by Toomer & Kevin
			to cut sub off of hammer
7 hrs	~~6 1/2~~	6 1/2 hrs	

Total paid Time:	~~6:50~~	Non-Paid Time:	—	Accidents	—
District Represntative	Earl Young			Contractor Representative	Steve Griffith

33.00-100 (09/99)

+ 1/3 hr for sub was added
minute increments changed by Kevin due to Bookkeeping

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
27	JERRY MAHAMS Tim Latner/Earl Young	5-4-04	3-22-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer Rig #2 SS 15 HF	Steve Griffith Lonnie Lonnie JR	355'	100'	247'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect #1	Deep upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
8:30			Change Sub on Kelly from Air Hammer
	11:00	2 1/2	And trip in hole Mix muds
11:00			Start drilling back down from 147'
			to 247'. Have 50% Loss of Circulation
			Mix muds Clean hole Every Rod
			Mix and Circulate hole @ 247'
			Trip out of to Casing depth 205'
	4:00	5.0	Write and Exchange Reports
			District Rep
			And driller talk and agreed to drill
			4/2' then go back to Hammering 8"
			to keep Control of the Hole!
			driller and District Rep
			dont want to take A chance of going
			to far out of 8" and have hole come
			in. Also waste of drilling muds
			*Mix drilling fluids during redrill of
			hole TOTAL 24 Bags of Gel plus EZ Muds
			*Times for welding Sub to be
			settled by Kevin Stover
	8 hrs KD		

Total paid Time:	7 1/2	Non-Paid Time:	—	Accidents	—
District Representative	Earl Young			Contractor Representative	Steve Griffith

33.00-100 (09/99)

1/3 hr added for welding of sub @ Contr. shop agreed upon by KJS & Bill Toomer - Total hrs for day rounded up 10 min for billing purposes. KD

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
28	Jerry Mallams Tim Lohner	We 05-05-04	03-22-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
	Steve Griffith Lonnie Say, Lonnie JR.	355'	Drive 8" casing from 205' to 231'	305'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect site #1	Water level monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0730	1100	3.50	Crew on site, Fabricate and weld drive head for 8" casing and sub to attach drive hammer to ~~kelly~~, swivel FDF
1100	1230	1.50	Trip to previously wash to depth of 247', Hole still open, Trip out of hole w/ 7 7/8" bit.
1230	1330	1.00	Finish welding sub.
1330	1430	1.00	Lay down Kelly, Make up drive hammer on swivel,
1430	1600	1.50	Pick up cut-off 5' piece of 8" casing Reweld to 8" casing string. Pick up 21' section of 8" steel casing. Weld to string.
1600	1700	1.00	Drive 8" casing from 205' to 231'.
1700	1730	0.50	Secure site, Exchange reports.

Total paid Time:	10 ~~1/2~~ hrs.	Non-Paid Time:	0	Accidents	0
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
29	Jerry Mallams Tim Lohner	Th 5-6-04	3-22-09	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
~~Toomer's Assoc.~~ SS-15 II	Steve Griffith Lonnie SR, Lonnie JR.	355	Drive 8" casing 231' to 273'	305'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect site #1	Water level monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0800	1000	2.00	Weld 21' section of 8" steel casing.
			Drive casing ~~from~~ 231' to 252',
1000	1200	2.00	Stops on swivel bail had cracked,
			Grind and Rewold.
1200	1430	2.50	Weld 21' section of 8" steel casing. ~~252'~~ to 273' FDF
~~1430~~	1530	1.00	~~Lay down Drive hammer, Pick up~~
			~~Kelly, S~~ FDF
			Drive casing from 252' to 273',
1430	1530	1.00	Lay down drive hammer, Pick up
			Kelly, Sprocket bearings on both
			sides of pull-down chain are
			broken,
1530	1630	1.00	Rig Repair: Inspect pull-down
			chainsprockets, Start removal, will
			continue repairs tomorrow,

Total paid Time:	7½ hrs.	Non-Paid Time:	~~1.00~~ 1 hrs	Accidents	
District Representative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
30	Jerry M. Lloyd Johnson	Mon 5-10-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Tomes + Assoc	Steve Donnie + Lonnie	326'		

ROMP SITE NAME NUMBER	WELL TYPE/NAME
Withlacoochee Transect #1	Deep upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
8			Crew on site
8	9:00	1	Working on bearing on pull down
9:00	3	5	set up Kelly, T.I.H w/ RR's + bit. Tag at 320' inside 8" steel casing. Condition mud. start cleaning out steel on mud circulation 320' to 325' BLS. Kept drilling 275' to 305' BLS.
3	5	2	T.O.H w/ all RR's + Bit. pump 1200 gal of clean water in at surface. Then poured in 5/5 gal bucket of bentonite pellets in casing. Tag at 302' BLS. 15 min tag again 302' BLS. Poured in 18 - 5 gal buckets pellets. shut down.
		9	total hrs.

Total paid Time:	8 hrs	Non-Paid Time:	1 hr	Accidents	
District Represntative	Lloyd Johnson Jr.			Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
31	Jerry Mallams / Tim Lohner	05-11-04	3-22-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc SS-15II	Steve Griffith / Lonnie Sr., Lonnie Jr.	355'	Drive 8" casing from 273' to 295'	305'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect site #1	Water level monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0900	2.00	Tag hole plug @ 278', add 2 buckets of hole plug. Tag @ 276'.
0900	1000	1.00	Lay down Kelly. Pick up and make up drive hammer.
1000	1100	1.00	Pick up and weld 21' section of 8" steel casing.
1100	1300	2.00	Drive casing from 273' to 294'.
1300	1400	1.00	Pick up and weld 21' section of 8" steel casing.
1400	1530	1.50	Drive casing from 294' to 295'. Casing stopped moving. Need more CFM for drive hammer. Will bring Larger air compressor tomorrow.
1530	1600	0.50	Secure site. Exchange reports.

Total paid Time:	9 hrs.	Non-Paid Time:	0	Accidents	0
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (08/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
32	Jerry Mallams Tim Lohner	We 5-12-04	3-22-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer's Assoc. SS-15II	Steve Griffith Lonnie Sr., Lonnie Jr.	355'	Drive 8" casing from 295' to 297'	305'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect site #1	Water level monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0900	1000	1.00	Set up 600 CFM air compressor & Hook up air delivery system.
1000	1030	0.50	Drive 8" casing from 295' to 295½',
1030	1100	0.50	Brackets on swivel yoke broke. Cut off casing @ 307' so that swivel could be lowered into a position where brackets could be rewelded.
1100	1330	2.50	Rig Repair: Grind and reweld brackets on swivel yoke.
1330	1430	1.00	Set up to run 400 CFM air compressor (already on site) with 600 CFM air compressor. To increase power of drive hammer.
1430	1500	0.50	Drive 8" casing from 295½' to 297'; Casing stopped moving. Decide to go back inside casing with drill bit and clean out from 297' to 305'.
1500	1530	0.50	Cut off 8" casing 2' ALS.
1530	1600	0.50	Lay down hammer. Pick up Kelly.
1600	1700	1.00	Trip in hole with 7⅞" bit.
1700	1730	0.50	Tag fill @ 276'. Wash inside casing from 276' to 286'.
1730	1800	0.50	Secure site. Exchange reports.

Total paid Time:	7½ hrs.	Non-Paid Time:	2½ hrs.	Accidents	
District Representative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
33	Jerry Mallams Tim Lohner	Th 5-13-04	3-22-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
~~Tommer Assoc.~~ SS-15II	Steve Griffith Lonnie Sr, Lonnie Jr.	355'	Drive 8" casing to 305'	305'

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
Withlacoochee River Transect Site #1		Water level monitor	Deep Upper Floridian

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0730	0830	1.00	Wash down inside casing from 286' to 297'. Wash below casing to 305'. Pump fluid on bottom.
0830	0930	1.00	Pull bit out of hole.
0930	1030	1.00	Dump 7 buckets of holeplug. Tag @ 295'.
1030	1200	1.50	Lay down Kelly. Make up drive hammer. Weld 8" casing which had been previously cut off.
1200	1400	2.00	Drive 8" casing from 297' to 305', seat casing 4" into undrilled formation.
1400	1500	1.00	Fill mud system with drilling fluid. Prepare to run 1" steel tremie in annulus between 12" and 8" casings.
1500	1730	2.50	Wash 1" tremie in annulus between casings to 273'.
1730	1830		Mix and pump 300 gal cement slurry using 52 (47#) bags cement and 2% bentonite.
1830	1900		Clean up cement, Pull tremie
1900	1930		Secure site, exchange reports.

Total paid Time:	12 1/2 hrs	Non-Paid Time:	0	Accidents	
District Represntative	Tim Lohner			Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry Mallams Tim Lohner	No 5-17-04	3-22-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc. SS-15II	Steve Griffith Lonnie Sr., Lonnie Jr.	355'	Cementing 8" casing	305'

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
Withlacoochee River Transect site #1		Water level monitor / Deep Upper Floridan	

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0900	1030	1.50	Mix drilling fluid, Jet tremie in annulus between 12" and 8" casings. Tag cement @184'.
1030	1200	1.50	Mix and pump 300 gal. cement slurry using 52 (47#) bags cement w/ 2% bentonite, clean up cement, pull tremie.
1200	1600	4.00	Wait on cement to harden. Take air compressor and 80' of 1" PVC tremie to site # 2. Direct air develope Shallow Upper Floridan well. Move compresor back to site #1. Set back up to mix and pump cement.
1600	1630	0.50	Lower 1" tremie in annulus. Tag cement @131',
1630	1730	1.00	Mix and pump 300 gal. cement slurry using 52 (47#) bags cement w/ 2% bentonite.
1730	1800	0.50	Clean up cement. Secure site. Exchange Reports.

Total paid Time:	9 hr.	Non-Paid Time:	0	Accidents	0
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry Mallams / Tim Lohner	3-18-04	3-22-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc. SS-15II	Steve Griffith, Lonnie Sr., Lonnie Jr.	355'	Cementing Casing	305'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect site #1	Water level monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0800	0900	1.00	Run 1" steel tremie in annulus between 12" and 8" casings. Tag cement @ 100'
0900	1030	1.50	Mix and pump 175 gal cement slurry using 32 (47#) bags of cement w/ 2% bentonite
1030	1430	4.00	Wait on cement to harden. Lay down driver hammer. Pick up and make up Kelly. Sub to go between Kelly and swivel ~~has~~ only has a 1 3/8" ID. Will be difficult to reverse air. Prepare bit and pipe for trip in hole.
1430	1500	0.50	Tag cement @ 73'. Fill annulus with water. Water seeping back.
1500	1600	1.00	Mix and pump 200 gal. cement slurry using 35 (47#) bags cement w/ 2% bentonite.
1600	1630	0.50	Clean up cement. Pull tremie.
1630	1700	0.50	Secure site. exchange reports.

Total paid Time:	9 hrs.	Non-Paid Time:	0	Accidents	0
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry Mallams Tim Lehner	We 5-19-04	3-22-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
~~Toomer Assoc.~~ SS-15 II	Steve Griffith Lonnie SR, Lonnie JR.	340'	14'	319'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect Site #1	Water level monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0900	1000	1.00	Crew onsite, Tag cement in annulus
			between 12" and 8" casing @ 17'. Move
			1" steel tremie from behind Rig: ~~Move~~ ~~to~~ f
			Bring 2-4"x30' drill collars behind Rig.
1000	1130	1.50	Make up 7 7/8" insert bit on bottom of
			4" drill collar, Add 2nd drill collars.
			Trip in hole tag fill @ 301'.
1130	1230	1.00	Wash and drill cuttings to 305'. Drill
			7 7/8" hole from 305' to 308'. Lost circulation
			@ 308', Pull off one 20' joint of drill pipe.
			Lower Kelly back down to set up for
			Reverse air.
1230	1430	2.00	Set up for reverse air.
1430	1530	1.00	ID of sub @ top of Kelly is 1 3/8". Needs
			larger opening (minimum of 1 3/4"), Need
			to be bored out OR replaced, Bill Toomer
			said that it would take 2 days for his
			machine shop to get to his project of
			enlarging the ID of the sub, Bill Toomer
			suggested that there is another method to
			drill the hole and develop the well, He
			said that they could drill the hole
			without circulation using water for drilling fluid,

Total paid Time:	9 hrs.	Non-Paid Time:	0	Accidents	
District Represntative	Tim Lehner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

next page

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
page 2 of 2		We 5-19-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH

ROMP SITE NAME/ NUMBER	Withlacoochee River Transect site#1	WELL TYPE/NAME	Water level monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
			Then after drilling the hole to 340'
			they will pull the bit back inside the
			casing and direct air develope the well,
			Kevin Stover and Jerry Mallams agreed
			to this method.
1530	1700	1.50	Drill 7 3/8" hole from 309' to 319',
			Pull bit back to 250', Direct air
			develope the well for 15 minutes. Lower
			bit in hole. Hole filled in @ 310'.
			Decide to stop for the day.
1700	1730	0.50	Pull bit into casing.
1730	1800	0.50	Secure site. Exchange Reports.

Total paid Time:		Non-Paid Time:		Accidents	
District Represntative	Tim Johnson			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry Mallams Tim Lohner	Th 5-20-04	3-22-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
~~Tommer's Assoc.~~ SS-15 II	Steve Griffith Lonnie SR, Lonnie JR.	340'	21'	340'

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
Withlacoochee River Transect site #1		Water level monitor	/ Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0830	0930	1,00	Fill mud system with water; Trip in hole.
			Hole filled in @ 309'.
0930	1030	1,00	Wash down from 309' to 319', Add E-Z mud
			to water to suspend cuttings, Drill ~~7 7/8~~ TD &
~~IN~~ ~~1030~~	~~1230~~		7 7/8" hole from 319' to 340', Add E-Z mud
			to water to suspend cuttings. No circulation,
1030	1230	2.00	Pull bit inside casing to 250', Direct air
			develope well. Sand comming from well
			in varying amounts. Surge well several times.
			Develope well until only small amount of sand
			in water.
1230	1430	2.00	Trip in hole, Tag fill @ 309', Call Kevin
			Stover. He said to have drill crew reverse
			air to see if we can clean up hole, even though
			sub @ top of Kelly has ~~an~~ small opening. Change
			from mud Rotary to reverse air.
1430	1700	2.50	Tag fill @ 309', Dredge sand from 309' to 311'.
			Decide to stop for ~~the~~ today and possibly
			run specific capacity test tomorrow.
1700	1730	0.50	Pull bit into casing.
1730	1800	0.50	Secure site, Exchange reports

Total paid Time:	9.5 hrs.	Non-Paid Time:	0	Accidents	0
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry Mallams	FR		
	Tim Lohner	5-21-04	3-22-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer's Assoc. SS-15II	Steve Griffith Lonnie Sr., Lonnie Jr.	340'	Ø	340'

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
	Withlacoochee River Transect site #1		Water level monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0800	0830	0.50	Arrive on site, wait for crew.
0830	1000	1.50	Crew on site, Pull 7 7/8" bit from hole.
			Leave out 2-4" X 30' Drill collars, Add
			2-30' joints of Drill pipe, Make up
			6" insert reverse air bit on drill pipe.
1000	1100	1.00	Trip in hole with 6" bit, Tag fill @ 309'
1100	1300	2.00	Dredge by reverse air method from 309'
			to 311'.
1300	1400	1.00	Decide to stop for the day and to have
			sub @ top of Kelly bored out from 1 3/8"
			to at least 1 3/4". ~~Lower Kelly to R~~ JDS
			Pull bit back into casing. Lower kelly to
			Rotary table, Remove sub from between
			swivel and Kelly.
1400	1430	0.50	Secure site, exchange reports.
			Kevin Stover, Jerry Mallams, Lloyd Johnson
			and Bill Toomer on site.

Total paid Time:	6 ~~1/2~~ hrs. JDS	Non-Paid Time:	Ø	Accidents	Ø
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry Mallams Tim Lohner	Mo 5-24-04	3-22-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
~~Tourney Assoc.~~ SS-15II	Steve Griffith Lonnie SR, Lonnie JR,	340'	Dredging 309' to 320'	340'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect Site #1	Water level monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0730	0830	1.00	Replace sub which had been bored to 1¾" ID and air line inside Kelly. Run bit in hole, Tag fill @ 309'.
0830	1600	7.50	Dredge sand and rock from 309' to 320'. Main dredging areas are: 309' to 312' and 316' to 320'. Fill @ 317' @ end of day. Air Compressor out of fuel, Will return tomorrow with fuel.
1600	1630	0.50	Secure site, Exchange reports

Total paid Time:	9 HRS.	Non-Paid Time:	Ø	Accidents	Ø
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry Mallams Tim Lohner	Tu 5-25-04	3-22-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
~~Toomer's Assoc.~~ SS-15II	Steve Griffith Lonnie SR, Lonnie JR.	340'	Dredging from 317' to 330'	340

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect Site #1	Water level monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0815	0830	0.25	Crew on site, Fuel equipment.
0830	1200	3.50	Dredge rock from 317' to 321'.
1200	1300	1.00	Rig ran out of fuel. Haul fuel to the rig.
1300	1330	0.50	Restart rig engine.
1330	1400	0.50	Dredge from 321' to 322'
1400	1445	0.75	Rig Repair: Turnbuckle on pull down chain broke. Reweld turnbuckle. Set chains so that swivel yoke runs even.
1445	1815		Dredge from 322' to 330'. Main dredging zone @ 327'.
1815	1830	0.25	Secure site. Exchange reports

Total paid Time:	8 hrs.	Non-Paid Time:	2 1/4 hrs.	Accidents	
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry Mallams Tim Lohner	We 5-26-04	3-22-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer's Assoc. SD 15-II	Steve Griffith Lonnie SR, Lonnie JR.			340'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect Site #1	Water level monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0730	1330	6.00	Dredge from 327' to 340'. Pulling previously drilled cuttings and loose material from hole.
1330	1430	1.00	Rig Repair: Air line fitting @ top of Kelly swivel broke. Pull up one joint of drill pipe. Lower Kelly back to Rotary table. Weld fitting on swivel. Also tighten fitting on Kelly hose.
1430	1630	2.00	Develope well from 305' to 320'. Add joint of drill pipe. Develope well from 320' to 340'.
1630	1730	1.00	Pull out of hole.
1730	1845	1.25	Lower mast on Rig. Move Rig from hole, move air compressor from site. Load drill pipe and drill collars on trailer.
1845	1900	0.25	Secure site. Exchange Report
			Left site @ 1900 hrs. With: Drill Rig, Water Truck and pipe trailer.

Total paid Time:	10½ hr.	Non-Paid Time:	1 hr.	Accidents	0
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry Mallams Tim Lohner	Th 5-27-04	3-22-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc. SS-15II	Steve Grifith Lonnie, Jr., Mike, Chris			340'

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
	Withlacoochee River Transect site #1		Water level monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
1030	1530	5.0	Load and move mud sytem trailer, fill in reserve pit, Level ground on permanent easment, Mix and tremie 50 gal. cement in Annulus between 12" and 8" casing. Cement from 17' BLS to Land surface, Used 9 (47#) bags cement, Build ~~well~~ pads and install well covers on shallow and deep upper floridan, Load misc. items on trailer. Pull pump from Shallow Upper Floridan before installing well cover.
			Leave site with mud sytem trailer and pipe trailer. @ 1530 hrs.
			8 hrs. paid for Demob @ end of work order.
	13 hrs.		

Total paid Time:	~~8 hrs.~~	Non-Paid Time:	Ø	Accidents	Ø
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
01	Jerry Mallams Tim Lohner	Mo 8-2-04	8-2-04	01

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
SS 15-II Toomer & Assoc.	Glenn Caldwell Brandon, Fritz, Raymond	355'	Ø	340'

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
	Withlacoochee River Transect site #1		Monitor/Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0800	1600	8.0	Mob Rig and Equipment to site,
			Work Order # 2RFB0401

Total paid Time:	8 hrs,	Non-Paid Time:	Ø	Accidents	Ø
District Represntative	Tim Lohner			Contractor Representative	[signature]

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry Mallams	Tu		
02	Tim Lohner	8-3-04	8-2-04	02

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
	Glenn Caldwell			
Toomer & Assoc, SS-15H	Brandon, Terry	355'		

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
	Withlacoochee River Transect site #1		Monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	MILITARY TIME LOG TO	ELAPSED TIME	DETAILS OF OPERATIONS
0830	1030	2.0	Raise Mast on rig. Set up for reverse air. Unload and measure bit, subs, Drill Collars and Drill pipe.
1030	1200	1.50	Trip in hole with 7 5/8" bit, 60' of 4" drill collars and 3 1/2" drill pipe to 305'.
1200	1330	1.50	Ream and clean hole from 305' to 327'
1330	1400	0.50	Non-paid time: Stop work for lightning and heavy rainstorm.
1400	1645	2.75	Ream and clean hole from 305' to 327'
1645	1700	0.25	Secure site. Exchange reports.

Total paid Time:	8 hrs	Non-Paid Time:	1/2 hr	Accidents	Ø
District Represntative	Tim Lohner			Contractor Representative	Glenn Caldwell

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
03	Jerry Mallams Tim Lohner	We 8-4-04	8-2-04	03

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc. SS-75 II	Glenn Caldwell Chris, Raymond	355'	0	340'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect site # 1	Monitor/Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0830	1100	2.50	Clean hole from 305' to 327'. Hole bridges @ 307' to 310'. Some dredging @ 225' to 227'.
1100	1445	3.75	Rig Repair: Pin on sub from swivel to Kelly. Kelly was all the way down when sub broke. Remove broken piece of sub from Kelly. Replace broken sub with new sub. Also, ½" air line inside Kelly had cracked. Reweld steel air line. Sub was too short to reach Kelly in rotary table. Tomorrow the crew will bring a lift plug that will fit the Kelly and lift Kelly so that sub can be attached.
1445	1500	0.25	Secure site.

Total paid Time:	2½ hrs.	Non-Paid Time:	4 hrs.	Accidents	0
District Represntative	Tim Lohner			Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
04	Jerry Mallams Tim Lohner	Th 8-5-04	8-2-04	04

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc. SS15-H	Glenn Caldwell Brandon, Terry	355'	13'	353'

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
	Withlacoochee River Transect site #1		Monitor/Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0800	0830	0.50	Rig Repair: Lift Kelly up. Make up sub to attach Kelly to the swivel,
0830	1130	3.00	Clean hole from 305' to 340',
1130	1300	1.50	Drill 7 5/8" hole from 340' to 353',
1300	1330	0.50	Develope well from 340' to 353',
1330	1500	1.50	Rig Repair: Rig engine stopped running. Work on injector pump, Decide to stop for the day.

Total paid Time:	5 hrs,	Non-Paid Time:	2 hrs,	Accidents	0
District Represntative	Tim Lohner			Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
05	Jerry Mallams / Tim Lohner	FR 8-6-04	8-2-04	05

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc. SS-15 II	Glenn Caldwell, Brandon, Terry	355'	5'	358'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect site # 1	Monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0800	0830	0.50	Mechanics on site (Fritz and Raymond).
0830	1100	2.50	Crew on site. Still working on rig engine. (Non-Paid).
1100	1200	1.00	Pull bit from bottom of hole @ 353' to inside casing. Trip back to 327'. Hole had bridged @ 327'. Clean hole from 327' to 353'.
1200	1230	0.50	Drill 7 5/8" hole from 353' to 358'.
1230	1300	0.50	Develope Well from 338' to 358'.
1300	1330	0.50	Pull bit into casing. Trip back to bottom. Hole had bridged @ 332'. Push through bridge by moving pipe up and down. 4' of fill @ bottom of hole.
1330	1400	0.50	Clean hole from 354' to 358'.
1400	1630	2.50	Pull bit into casing. Start back in hole. Hole had bridged @ 307'. Clean hole from 305' to 327'. Dredging @ 307' to 312' and 324' to 327'.
1630	1645	0.25	Pull bit back into casing. Secure site.

Total paid Time:	5 3/4 hrs.	Non-Paid Time:	2 1/2 hrs.	Accidents	0
District Represntative	Tim Lohner			Contractor Representative	Glenn Caldwell

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
06	Jerry Mallams Tim Lohner	Mo 8-9-04	8-2-04	06

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc. SS-152	Glenn Caldwell Brandon, Terry	358'	Ø	358'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect site #1	Monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0830	0900	0.50	Lower bit below casing. Hole had bridged @ 320', Clean hole from 320' to 324'.
0900	0930	0.50	Non-Paid: Air compressor stopped running. Work on compressor. Also remove cuttings from inside ½" air line which had plugged.
0930	1100	1.50	Clean hole from 320' to 327'. Dredging.
1100	1230	1.50	Non-Paid: Air compressor stopped running Went to shop for another compressor.
1230	1615	3.75	Clean hole from 324' to 327'. Dredging cutting and sand.
1615	1630	0.25	Pull bit back into casing. secure site.

Total paid Time:	6 hrs.	Non-Paid Time:	2 hrs.	Accidents	Ø
District Represntative	Tim Lohner			Contractor Representative	Glenn Caldwell

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry Mallams	Tu		
07	Tim Lohner	8-10-04	8-2-04	07

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
	Glenn Caldwell			
Toomer & Assoc, SS-15#	Tom, Raymond	355'	0	358'

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
	Withlacoochee River Transect site # 1		Monitor/Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0845	0900	0.25	Lower bit below casing, Tag fill @ 327',
0900	1415	5.25	Clean hole from 327' to 358',
1415	1445	0.50	Develope well with bit @ 358',
1445	1500	0.25	Rig engine stopped running, Work with injector pump, Engine restarted,
1500	1545	0.75	Pull bit into casing, Wait 15 min, Lower bit to bottom, Hole clean to TD @ 358', Pull back into casing,
1545	1600	0.25	secure site,

Total paid Time:	7 hrs.	Non-Paid Time:	1/4 hrs.	Accidents	0
District Represntative	Tim Lohner			Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
08	Jerry Mallams Tim Lohner	We 8-11-04	8-2-04	08

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc. SS15-II	Glenn Caldwell Tom, Raymond	355'		358'

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
	Withlacoochee River Trausect site #2		Monitor/Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0745	0800	0.25	Lower bit below casing, Hole had bridged @ 321', Pull back to add Kelly. 1/2" coupling @ top of airline had broken,
0800	0900	1.00	Driller left site to get coupling. (Non-Paid) Returned. Add coupling.
0900	1000	1.00	Work bit to bottom by lifting pipe up and down and rotating. Did not use reverse air.
1000	1100	1.00	Hole had 8' of fill. Clean hole from 350' to 358' using reverse air.
1100	1130	0.50	Develope Well @ 358'.
1130	1200	0.50	Pull bit into casing, Lower back to bottom. Hole clean to 358'.
1200	1300	1.00	Pull out of hole to run log and run 4" screen and casing.
1300	1400	1.00	Logging - Caliper & Multi w/Kevin Stover
1400	1500	1.00	Run 4" sch 40 screen and casing. (PVC) 30' of 0.010 slot screen and 326' of 4" casing. Back-off @ 56',
1500	1830	3.50	Dump 14 bags 20/30 sand in annulus, Run 1" steel Tremie, Tag sand @ 341'. Dump 20 bags Tag @ 331', Dump 113 bags, Tag @ 331'
1830	1845	0.25	Secure site

Total paid Time:	10 hrs	Non-Paid Time:	1 hr.	Accidents	Ø
District Represntative	Tim Lohner			Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
09	~~Jerry Mallams~~ Tim Lohner	Th 8-12-04	8-2-04	09

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer's Assoc, SS15-II	Glenn Caldwell Tom, Raymond	-		356'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect site #1	Monitor/Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0745	1230	4.75	Tag top of sand @ 331', Dump 20 bags of 20/30 sand in annulus, Tag @ 329½', 24 bags 329'. 32 bags tag @ 328½', 32 bags Tag @ 328', 20 bags tag @ 328', Add 20 bags tag @ 328'. Add 20 bags bridged @ 252' (inside casing).
1230	1630	4.00	Pump through steel tremie, Would not unplug after pump 21' section. Put together 340' of 1" PVC tremie pump through bridge.
1630	1715	0.75	Lower 1" steel tremie in annulus, Tag @ 309'.
1715	1730	0.25	Secure site.

Total paid Time:	9 3/4 hrs	Non-Paid Time:	0	Accidents	0
District Representative	Tim Lohner			Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
10	Jerry Mallams Tim Lohner	8-16-04	8-2-04	10

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc, SS15 # ROMP SITE NAME/ NUMBER: Withlacoochee River Transect site # 1	Glenn Caldwell Tom, Roger		WELL TYPE/NAME: Monitor/Deep Upper Fla.	354'

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0830	1645	8.25	Tag @ 307', Pump with water to 315', Tag @ 327', Dump 10 bags of sand, Top of bridged material @ 302', Pump with water to 315', Tag @ 329', Dump 10 bags of 20/30 sand, Top of bridged material @ 297', Pump with water to 315', Tag @ 331', Attempt to tremie sand to bottom through 1" steel tremie, 2 bags of sand, Plugging inside tremie, Tag @ 315', Pump water @ 315', Tag @ 325', Dump 20 bags of 20/30 sand, Top of bridged material @ 288',
1645	1700	0.25	Secure site.
			While pulling tremie one time during the day it caught on a centralizer, pulling the well casing up 2', Bottom of well is now @ 354', Top of back-off is now @ 54',
			Used 42 bags of 20/30 sand.

Total paid Time:	8½ hr,	Non-Paid Time:	0	Accidents	0
District Represntative	Tim Lohner			Contractor Representative	Glenn Caldwell

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
11	Jerry Mallams Tim Lohner	Tu 8-17-04	8-2-04	11

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc. SS15-II	Glenn Caldwell Tom, Brandon			354'

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
	Withlacoochee River Transect site #1		Monitor/Deep Upper Fla.

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0930	1100	1.50	Tag top of fill material @ ~~288'~~, 288' Pull Mix 500 gal. of gel, Pump tremie down from 297' to 315' on mud, Hole staying open, Pump from 315' to 322' on water, Hole open to 322'.
1100	1615	5.25	Pull tremie to 315', Attempt to tremie sand through 1" steel tremie, 6 bags, Pipe plugging. Clear pipe, Tag @ 331', Dump 24 bags of sand, Top of ~~fill~~ bridged material @ 297', Pump with gel to 315', Pump with water, from 315' to 322', Tag @ 329', Dump 15 bags of sand, Top of bridged material @ 295', Mix 500 gal. gel, Pump with mud to 315', Tag @ 331', Dump 15 bags sand, Top of bridged material @ 297'.
1615	1630	0.25	Secure site.

Total paid Time:	7hr.	Non-Paid Time:	0	Accidents	0
District Represntative	Tim Lohner			Contractor Representative	Glenn Caldwell

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
12	Jerry Mallams Tim Lohner	we 8-18-04	8-2-04	12

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc, SS15-II	Glen Caldwell Chris, Raymond			354'

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
	Withlacoochee River Transect site #1		Monitor/Deep Upper Fla

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0800	0915	1.25	Tag top of bridged material @ 288', Mix 500 gal. gel. Pump to clear hole to 315'. Lower tremie from 315' to 329' without pump.
0915	1015	1.00	Pull 1" steel tremie from annulus to change sides. Run tremie in hole. Tag @ 304',
1015	1030	0.25	Pump with mud from 304' to 315', Tag @ 331',
1030	1145	1.25	Dump rock (#89 stone), 4 buckets, Tag @ 322', Pump through tremie w/water. Tag @ 303',
1145	1215	0.50	Mix 500 gal. gel.
~~1215~~	1245	0.50	~~Dump 5 bkts. rock. Top of bridged material @ 322'~~ Pump w/gel from 303' to 315'. Pump w/water from 315' to 326'. Tag @ 326'.
1245	1315	0.50	Dump 5 bkts rock. Top of bridged material @ 295', Pump w/gel from 295' to 315'. Ran out of mud. Top of bridged material @ 303'.
1315	1345	0.50	Mix 500 gal. gel.
1345	1500	1.25	Pump gel from 303' to 315', Tag @ 323'. Dump 3 bkts. rock, Tag @ 321'. Dump 2 Bkts hole plug, Tag @ 319'.
1500	1600	1.00	Mix and pump 6 (47#) bags cement w/ 8% bentonite,
1600	1615	0.25	Secure site.

Total paid Time:	8½ HRS,	Non-Paid Time:	Ø	Accidents	Ø
District Represntative	Tim Lohner			Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
13	Jerry Mallams / Tim Lohner	8-19-04	8-2-04	13

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc. SS-15II	Glenn Caldwell / Tom, Chris			354'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect site #1	Monitor/Deep Upper Fla.

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0800	0930	1.50	Lower 1" steel tremie in hole, Tag @ 303', Mix 500 gal. gel, Pump from 303' to 331', Gravel, hole plug and cement had moved overnight. Run ½" PVC (tag line) inside 4" casing. Well clean to bottom. Pull out ½" tag line.
0930	1230	3.00	Dump one cyd of rock in annulus, Reciprocate 1" tremie and pump gel while dumping rock, Bridged several times, Tag @ 317'.
1230	1330	1.00	Dump 4 bkts. of coated bentonite pellets, Reciprocate 1" tremie and pump gel while dumping pellets, Tag @ 312'.
1330	1400	0.50	Mix 500 gal. gel.
1400	1500	1.00	Mix and pump 60 gal. cement slurry using 10 (47#) bags cement and 2% bentonite, Pull 3 jts of tremie, Pump clean w/water,
1500	1515	0.25	Clean up cement.
1515	1530	0.25	secure site.

Total paid Time:	7½ hrs.	Non-Paid Time:	0	Accidents	0
District Represntative	Tim Lohner			Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
14	Jerry Mallams, Tim Lohner	FR. 8-20-04	8-2-04	14

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc. SS15-II	Glenn Caldwell, Chris, Chris			354'

ROMP SITE NAME/ NUMBER	Withlacoochee River Transect site # 1	WELL TYPE/NAME	Monitor / Deep Upper Fla.

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0730	0900	1.50	Lower 1" steel tremie in hole, Tag @ 308', Mix 500 gal. gel, Pump tremie down from 308' to 312'. Tag @ 312', Dump 2 Bkts. of coated bentonite pellets, Tag @ 310',
0900	0945	0.75	Mix and pump 75 gal. cement slurry using 12 (47#) bags cement w/ 2% bentonite,
0945	1345	4.00	Wait on cement to harden, Clean up cement. Travel to site #3. Pick up PVC pipe that was left there, Clean up site. Travel back to site #1, Load drill pipe and drill collars on trailer,
1345	1400	0.25	Tag with ½" PVC @ 289', Hole plug in bottom of ½" tag line. Cement sample collected @ 0945 hrs, was still soft, Decide to let cement set up over weekend before jetting down with 1" steel tremie,
1400	1415	0.25	secure site,

Total paid Time:	6 3/4 hrs,	Non-Paid Time:	Ø	Accidents	Ø
District Represntative	Tim Lohner			Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
15	Jerry Mallams Tim Lohner	Mo 8-23-04	8-2-04	15

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc. SS15-II	Glenn Caldwell Tom, Merideth			354'

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
Withlacoochee River Transect site #1		Monitor/Deep Upper Fla.	

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0800	0900	1.00	Lower 1" steel tremie in hole, Tag @ 289'. Mix 500gal. gel. Pump down to 310',
0900	0945	0.75	Mix and pump 90 gal. cement slurry using 16 (47#) bags cement w/ 2% bentonite. Pull 3 jts tremie.
0945	1245	3.00	Wait on cement to harden.
1245	1315	0.50	Tag @ 310', Mix and pump 90 gal. cement slurry using 16 (47#) bags cement w/ 2% bentonite.
1315	1615	3.00	Pull 3 jts tremie. Wait on cement to harden.
1615	1700	0.75	Tag @ 305', Mix and pump 90 gal. cement slurry using 16 (47#) bags cement w/ 2% bentonite, Pull 4 jts tremie, Secure site

Total paid Time:	9 hrs.	Non-Paid Time:	0	Accidents	0
District Represntative	Tim Lohner			Contractor Representative	Glenn Caldwell

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
16	Terry Mallams / Tim Lohner	Tu 8-24-04	8-2-04	16

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc. SS15-II	Glenn Caldwell / Chris, Meredeth			354'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect site # 1	Monitor/Deep Upper Fla.

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0800	0815	0.25	Tag top of cement @ 248',
0815	0930	1.25	Mix and pump 270 gal. cement slurry using 48 (47#) bags cement w/ 2% bentonite,
0930	1330	4.00	Pull tremie from annulus. Clean up cement, Wait on cement to harden. Prepare 5" PVC casing to screw into back-off. Glue together 360' of 1¼ PVC pipe to use as air lift system.
1330	1430	1.00	Tag top of cement @ 96'. Unscrew 4" PVC casing @ back-off @ 54'. Run 5" PVC casing. Screw into back-off,
1430	1500	0.50	Mix and pump 90 gal. cement slurry using 15 (47#) bags cement w/ 2% bentonite Pull tremie from annulus,
1500	1530	0.50	Run 360' of 1¼ PVC and 160' of ½ PVC air line for air lift system,
1530	1630	1.00	Develope well by air lift sytem from bottom.
1630	1645	0.25	Secure site.

Total paid Time:	8¾ hrs.	Non-Paid Time:	0	Accidents	0
District Represntative	Tim Lohner			Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
17	Jerry Mallams Tim Lohner	We 8-25-04	8-2-04	17

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer's Assoc, 55-15#	Glenn Caldwell Chris, Merideth			354'

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
Withlacoochee River Transect site #1		Monitor/Deep Upper Fla.	

MILITARY TIME LOG FROM	MILITARY TIME LOG TO	ELAPSED TIME	DETAILS OF OPERATIONS
0915	0945	0.50	Tag top of cement @ 55', Develope Well by Reverse air method @ bottom of well.
0945	1015	0.50	Mix and pump 90 gal. cement slurry using 15 (47#) bags cement w/ 2% bentonite.
1015	1030	0.25	Pull Reverse air system from well.
1030	1100	0.50	Lower mast on Rig. Move Rig from well.
1100	1130	0.50	Specific capacity test w/ submersible. Top of casing - 2.98' ALS Static - 30.63' from TOC > 2.27 Drawdown - 32.90' from TOC GPM - 32
1130	1415	2.75	Pull submersible from well, Load trailer, Clean up site, Install well cover and pad.
			8 hrs. Demob from Work Order

Total paid Time:	13 hrs.	Non-Paid Time:	0	Accidents	0
District Represntative	Tim Lohner			Contractor Representative	Glenn Caldwell

33.00-100 (09/99)

APPENDIX B

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
1		7-9-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, D. Chris, T.	800'	Mob equipment	0'

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0900	2	I get Bernnie set up with what
			to do on Wilden pump rebuild job
			Get CME Ready for mob to LWR2
900	1000	1	Mob C.M.E. to LWR2 with
			Chris T pulling up air compressor.
1000	1100	1	Chris and I mob to Brooksville ~~to~~
			meet up with ~~Jim~~ Jim, C. and
			Jerry, M.
1200	1230	.5	Lunch.
1230			Wait on Chris T to meet with
	1430	2	Ralph T.
1430	1530	1	Mob to The Tampa Service Office.
1530	1630		Load up some drilling tools.

Total paid Time:	8.5	Non-Paid Time:	—	Accidents	—
District Representative	[signature]			Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
2	Jim, C. Jerry, M	7-10-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, D. - Bernnie, C.	800'	Sample to 30'	30'

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Mob to L.W.R.2.
0800			Start to rig up site. Wait on Bernnie and Earl to arrive on site with water truck. Set up rig to drill with 6¼" hollow stems Hollow stem auger to 15'. The the shoe unscrewed off of the 6" split spoon. Fish out shoe. Auger with hollow stems to 20'. The shoe came off again. Fish out shoe. The fish will not be hooked. Call in to Chris. Set rig up to drill with NQ Core from 20' to 30'. We are getting poor recovery even with my new catcher. Secure rig & site
1830	1930	1	Mob to Tampa.

Total paid Time:	10.5	Non-Paid Time:		Accidents	
District Representative				Contractor Representative	

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
3	Jim, C. Jerry, M	7-11-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, D. Bernie, C.	900'	Core 60'	80'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Mob to site.
0800			Core from 60' to 80
			Temp well pipe will be
			80 deep with 80 of 6" PVC
	1830	10.5	casing. Running + mud
1830	1930	1	Mob to Tampa

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
4	Jim, C, Jerry, M.	7-14-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, D. Bernie, C. Rob, D.	800		

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700			Meet with Chris
	0809	1	Tampa fleet works on 1015 A/C.
0800	0900	1	Hook up to Goose and mob to site
0900			Trap out N.O. and rig up to
			drill on mob. Trap out 6¼" augers
			let up drill site. Joe from
			C.M.E. comes out to site to
			talk about new heavy duty parts for
			C.M.E. Mix up some mud
		6.5	New pump leaking. Try to repair
1530	1630	1	Mob yellow trailer to Tampa
			Bernie - secures rig + site.

Total paid Time:	9.5	Non-Paid Time:		Accidents	—
District Representative	[signature]			Contractor Representative	[signature]

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
5	Jim C., Jerry M.	7-15-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, D. Bernie, L.	860'		

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Meet with Chris.
0730	0830	1	Mob to site.
0830			Try to repair pump. The Wilden pump had no gasket in it. Build up some gaskets. The pump seems to be working fine with homemade gaskets. Mix up some gell. New pump not working right. ~~Call Bernie~~ The air compressor is shutting down. Send Bernie to get another air compressor at Brooksville. Drill 9 7/8" bit to 50'. Trip in 50' of 6" PVC well casing. Set in 6" pkr with 250 gallons cement. Secure rig + site.
	1730		
1730	1830	1	Mob to Tampa with Bernie driving one.

Total paid Time:	11.5	Non-Paid Time:	—	Accidents	—
District Representative				Contractor Representative	—

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
6		7-16-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	Earl Bernie Travis	80'		

ROMP SITE NAME/ NUMBER	with Lacrobte #2	WELL TYPE/NAME	

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700			Mob to Site
			TAG Cement @ 30'
			Pump 1yard of Cement
			TAG Cement @ 28'
			Add Ten Bag of hole Plug
			TAG @ 25'
			Pump 1/2 yard of Cement
			Mob to Brooksville
	1730		Out

Total paid Time:	10	Non-Paid Time:	—	Accidents	—
District Representative	Earl Young			Contractor Representative	—

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
7		7-17-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	Earl Bernie TRAVIS	80		

ROMP SITE NAME/ NUMBER	Withlacoochee #2	WELL TYPE/NAME	

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700			MOB to Site
			TAG Cement @ 25'
			Pump 3/4 yard of Cement
			TRIP in hole with 5 5/8 BIT
			Mix Gel
			Drilled out to 80'. Developed
			Move Rig Setup on NEW HOLE
	1730		Mixed Gel. then Mix Gel

Total paid Time:	10	Non-Paid Time:	✓	Accidents	✓
District Representative	Earl Young			Contractor Representative	✓

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
8		7-21-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George D. Bernie C. Early Y	1000'	Drill 16" hole	45'

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Fuel up and ice up. Meet with Chris Tomlinson
0800	0900	1	Mob to LWR2
0900			Finish setting up to set 10" PVC to 50'.
			Drill 16" bit to 45'.
	1500	6	Secure rig & site.
1500			The Bernie to Brooksville.
	1630	1	Mob to Tampa

Total paid Time:	9.5	Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
9		7-22-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George S. Bernie C. Ian G.	1000'	Set 10" csg	50'

ROMP SITE NAME/ NUMBER	LWRQ	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Mob to LWRQ
0800			Drill 14" hole from 45' to 50'
			Set 10" pvc well casing to 50'
			Pressure grout in 10" with 400 gallons of grout slurry. Secure rig +
	1600	8	mill site.
1600	1700	1	Mob to Tampa.
1700	1730	.5	Meet with Chris.

Total paid Time:	10.5	Non-Paid Time:		Accidents	
District Representative				Contractor Representative	

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
10		7-23-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, P. Bernnie, C. Ian, G	1000'	Grouting	50'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole.

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Meet with Chris.
0730	0830	1	Mob to LWR 2
0830			Mix up grout. Tag cement at
			36' bls in annulus. Pour in
			31 bags of hole plug. Tag hole
			plug at 35.5'. Mix and pump 400 gallons
			of cement. Clean up site.
	1330	5	
1330			Tag hole at 21' bls. Pump
			water. We have circulation now
	1430	1	Mix up 400 gallons of cement
1430			Me and Dan leave site. I leave
			Earl in charge to finish grouting.
			Earl told me later the annulus
			is grouted to the top.
	1530		I clock out.

Total paid Time:	8.5	Non-Paid Time:	—	Accidents	—
District Representative	[signature]			Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
11	Jerry M. Carol, Scott	7-24-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, P. Bernnie, C. Earl, Y.	1000'	Core 25'	105'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Meet with Chris.
0730	0830	1	Mob to site.
0830			I put back together the engine
			compartment on CME. Tag cement
			at 49.5'. Put together 4 casing advancer.
			Drill HW to 60'. Core from 50' to 105'.
	1630	10	Secure rig & site.
1830	1930	1	Mob to Tampa.

Total paid Time:	12.5	Non-Paid Time:	—	Accidents	—
District Representative	[signature]			Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
12	Jerry M Carol, Smith	7-25-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, V. Bernie, C. Earl, V.	1000'	55' of core	160'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Met with Chris.
0730	0830	1	MIRU to Core site.
0830			Core from 105 to 130' and air lift.
			Core from 130 to 150' and air lift.
			Core from 150' to 160' and air lift.
	1730	9	Secure rig + site.
1730	1830	1	Mobil to Temple

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
13	Carol, Smith	7-26-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Pa Bernie, C Earl, Y.	1000'		

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Mob to site.
0800			Air lift out core hole at 160'.
			Core from 160' to 180' and air lift
			Core from 180' to 200' and air lift
	1530	7.5	Secure Rig and site.
1530	1630	1	Mob to Tampa.

Total paid Time:	9.5	Non-Paid Time:		Accidents	—
District Representative	[signature]			Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
14	Jerry M. Jim C	7-28-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George D. Bernnie, C.	1000'	Packer test	200'

ROMP SITE NAME/ NUMBER	LW R2	WELL TYPE/NAME	Eye Hole.

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0801	1	Fill out paper work. Meet
			with Chris T.
0800	0900	1	Mob to site.
0900			Air lift on bottom of 200'
			Jim goose and gets the Hermit.
			I install packer at 127'.
			Air lift of packer. The
			packer blew out in the
			middle of pumping. Trip packer
			and repair. Install packer
	1445	5.75	at 128'. Air lift hole.
1445			Start Packer test.
	1530		Finish test and trip out packer.
1530	1630	1	I mob to Tampa. Bernnie stay
			to secure rig & site.

Total paid Time:	95	Non-Paid Time:		Accidents	—
District Representative	[signature]			Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
15	Jerry, M.	7-2-703	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, D. Bernie, C. Ian, G.	1000'	Packer-40' of core	240'

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Talk with Chris T on Herbst.
0730	0830	1	Mob to Core site.
0830			Record water levels. Run packer test on interval 165' to 200'.
	1200	3.5	
1200			Core from 200' to 220' and air lift.
			Core from 220' to 240' and air lift.
			We had sand in the 235' to 240' core
			Drill pipe has gotten stuck for little
			bit. Trip out WO. The WO
			had 00' of sand in it. The HW
			casing is at 62' bls.
	1730	5.5	Secure rig + sit.
1730	1830	1	Mob to Tampa.

Total paid Time:	11.5	Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
16	Jerry M.	7-30-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George D. Brownie C.	1000'	Drilling	235'

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Meet with Chris T.
0730	0830	1	Mob to Core Hole.
0830			Tmp WQ back to 230 and air lift. Slowly work our way down to 235. Drilling about 50% solids. Secure rig & silo.
	1530		
1530	1630	1	Mob to Tampa
1630	1700		Meet with Chris + Erin to talk about site.

Total paid Time:	10	Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
17	Jerry M	7-31-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, D. Bernnie, C.	1000'	Logging	234'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Meet with Chris T.
0730	0830	1	Mob to site.
0830			Dredge out core hole at 235.
	1230	4	Wait on Kevin Steven.
1230			Kevin Steven arrives to log.
	1400	1.5	Kevin is done logging the core hole
1400			Wait on storm to ~~pass~~ pass.
			Talk with Jerry M. Jerry wants
			to set packer at 198 tommorow.
	1600	2	Secure rig & site.
1600	1700	1	Mob to Tampa.
1700			Sit in on meeting with water
	1800	1	quailty.

Total paid Time:	11	Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
18	Carol Smith	8-1-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George P. Bernie, C.	1000'	Installed HW to 240	240

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole.

MILITARY TIME LOG FROM	MILITARY TIME LOG TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Mob to Core site.
0800			Tag in NQ to 198' blk.
			Install packer at 198' and run falling head test.
			Drill in HW casing from 80' to 240'.
			Carol Smith mixed up all the mud.
			I think the sand layer is from 236' to 238' blk
	1600	8	Secure rig + site.
1600	1700	1	Mob to Tampa

Total paid Time:	10	Non-Paid Time:		Accidents	
District Representative				Contractor Representative	

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
		8-4-03		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
	George D			

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	

MILITARY TIME LOG		ELAPSED TIME	DETAILS OF OPERATIONS
FROM	TO		
0700	1700		Annual

Total paid Time:		Non-Paid Time:		Accidents	
District Representative				Contractor Representative	

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
19	Jerry, Mr.	8-5-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, P. Bernie, L.	1000'	Core 20'	260'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole.

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Travel up, set up and meet with Chris
0800	0900	1	Mob to Core site.
0900			Trip in NQ to 240' and clean out casing. Core from 240' to 260'.
			We hit a layer of sand at 251 to 252
			and we hit a layer of sand at 256 to 258.
			Dredge and sand.
	1700	8	Secure rig + site.
1700	1800	1	Mob to Tampa.

Total paid Time:	11	Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
		8.6-03		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George McGrant			

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	

MILITARY TIME LOG FROM	MILITARY TIME LOG TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	1700	10	OUT SICK

Total paid Time:	10	Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	—

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
20	Jerry M	8-7-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, D. Bernie, C.	1000'	advance HW one 10'	270'

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Meet with Chris Tomlinson.
0800	0900	1	Mob to site.
0900			Trip out NQ and advance HW Casing to 260' blk
			Core from 260 to 270. We hit more beds of sand, and we need to advance HW casing to 270' blk.
	1600	7	Secure rig & site.
1600	1700	1	Mob blue trailer to Tampa.
1700	1730	.5	Unload trailer and pull plug for Chris.

Total paid Time:	10.5	Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
21	Carol Smith	8-8-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George D. Bennie, C. Ian	1000'	Tripping pipe	270'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Traveling 1013
0730	0830	1	Travel to Core Site.
0830			Mud up Core Hole. Trip out N.Q. Rerun and break down 5" HW casing. Bad weather so we go home
	1230	4	
1230	1330	1	Travel to Tampa.
1330	1500		Work on paper work

Total paid Time:		Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
22	Jason LaRoche	8-11-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George P. Bennie C. Earl K	1000'	Reset HW	285'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Meet with Chris Tomlinson.
0800	0900	1	Move to Core Site.
0900			Move trailer around mix up gell. Trip out HW casing 5' lengths. Trip in HW to 270' blk. Push in HW to 275 blks to casing tighten up. Trip in NQ to 275. Core from 275 to 285. The HW casing fell to rest on top of the 10" PVC casing.
	1530		Secure rig & site.
1530	1630	1	Travel to Tampa.

Total paid Time:	9.5	Non-Paid Time:		Accidents	
District Representative				Contractor Representative	

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
23	Jason LaRoche	8-12-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, P. Bernie, C.	1000'	Pending	290'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Go down Romp Shed with Chris Tomlinson
0800	0900	1	Move to Core site.
0900			Core from 285 to 290' and on light core hole.
			Add a 1' HW casing.
			Trip back in to 250' and freeze and sand.
	1630		Secure rig + site.
1630	1730	1	Move to Tampa.

Total paid Time:	10	Non-Paid Time:		Accidents	
District Representative				Contractor Representative	

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
24	Jerry M.	8-18-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernnie	1000'		

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole.

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Fuel up and ice up. Meet with
			Chris L —
0800	0900	1	Mob to Core site.
0900			Air lift core hole.
			The bit keeps plugging up
			with rocks and sand.
			Trip ~~HW~~ NQ out of hole.
			Drill in HW casing to 290' bls.
			Trip in NQ and clean up
			casing.
~~1630~~	~~7~~	7.5	Secure rig + site.
1630	1730	1	Mob to Tampa.

Total paid Time:	10.5	Non-Paid Time:		Accidents	—
District Representative	[signature]			Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
25	Jerry M.	8-19-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernnie	1000'	20' of core	310'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole.

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Meet with Chris.
0800	0900	1	Mob to Core site.
0900			Core from 290' to 310' and air lift hole. We are changing out sand. The rock has alot of fractures.
	1730	8.5	Leave rig & site.
1730	1630	1	Mob to Tampa.
			We also did a falling head test in HW rig with WL at 265' and pump in 100 gallons per minute.

Total paid Time:	11.5	Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
26	Jerry, M.	8-20-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernnie	1000'	10 of the	320

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	MILITARY TIME LOG TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Met with Chris.
0730	0830	1	Mob to Core Site.
0830			Core from 310 to 320' on air
			lift hole. We are dredging out
			hard and limestone.
	1600	7.5	Leaving rig & site.
1600	1700	1	Mob to Tampa.

Total paid Time:	10	Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	—

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
27	Jerry, M.	8-21-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Brennan	1000	Packer tests	320'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole.

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Work on Wilden pump at the Tampa Office.
0800	0830	.5	Mob to site.
0831	0930	-1	Meeting appointment.
0930	1000	.5	Finish mob & Core hole.
1000			Meet with Chris & Jerry to come up with new testing WQ head.
	1100	1	
1100	1300	2	Build new pumping air WQ head.
1300	1		Trip in packer to 308' and inflate there. Run four packer tests.
	1730	4.5	Leave rig at site.
1730	1830	1	Mob to Tampa.

Total paid Time:	10.5	Non-Paid Time:	1	Accidents	—
District Representative				Contractor Representative	—

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
28	None	8-22-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernnie	1000'	Testing	325'

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Meet with Chris.
0730	0530	1	Mob to Site.
0530			Take water levels for Jerry.
			Trip up NQ to 285' and prop
			in 106 gpm for 5 min and measure
			morain water level height 2.83'
			Trip back in the hole was
			bridged at 305'. Ream down
			to 320'. Air lift dredging out
			Limestone.
			Core from 320 to 325'. No recovery
			Air lift on hole. The pipe is
			getting played up.
	1530	7	Secure rig & site
1530	1630	1	Mob to Tamper.

Total paid Time:	9.5	Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
29	Jerry, M.	8-25-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'	Reset HW	325'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	MILITARY TIME LOG TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Fuel up 1015 Take also full gas can.
			Fill up coolers. Meet with Chris.
0800	0900	1	Mob to the Core file.
0900			Trip out NQ. Hook up to HW casing and try to move HW.
			The in and out slip ram lock
			off of CME Base. Try to repair.
			We were successful in repairing the
			slide base hydrolic ram.
			Break loose HW casing. It had to spend
			at least one hour in getting HW loose.
			Pull HW casing to 320 lbs. The
			Total length of casing is 327' including
			casing advancer. Trip in NQ
	1630	7.5	Secure rig + site.
1630	1730	1	Mob to Tampa

Total paid Time:	10	Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
30	Jerry, M.	8-26-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, D. Bernie, C.	1000'	40 of core	365'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	MILITARY TIME LOG TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Meet with Chris Tomlinson.
0730	0830	1	MoB to the Core site.
0830			Core from 325 to 345 and air lift core hole.
			Core from 345 to 365 and air lift out core hole. Take water sample.
	1630		Secure site.
1630	1730	1	MoB to Tampa.

Total paid Time:	10.5	Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
		6-27-03		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	

MILITARY TIME LOG		ELAPSED TIME	DETAILS OF OPERATIONS
FROM	TO		
			Annual leave

Total paid Time:	10	Non-Paid Time:	—	Accidents	—
District Representative				Contractor Representative	—

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
3F	Jerry, M.	8-28-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernnie	1000	Well testing	365'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Meet with Chris and fuel up 1015
0800	0900	1	Mob to site.
0900			Build a new test head for HW casing
			with NQ in the hole.
	1400	5	Install head ~~out~~ on HW.
1400			Bernnie and Jerry run test.
			I mob to Tampa. Bernnie
			secures rig & site. I mob to
	1500	1	Tampa.

Total paid Time:	8	Non-Paid Time:	—	Accidents	—
District Representative	[signature]			Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
32	Jerry, M.	9-2-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'	60 ft core	425'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Work on light and A/C on 1015.
0600	0900	1	Mob to site.
0900			Remove HW load trip in NQ.
			Reverse air at 365. Core from 365
			to 385' and air lift. Core from 385' to
			405' and air lift. Core from 405' to 425'
	1830		and air lift. Secure rig & site.
1830	1930		Mob to Tampa

Total paid Time:	12.5	Non-Paid Time:		Accidents	
District Representative				Contractor Representative	

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
33	Jerry, M.	9-3-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernnie	1000'	Packer test 20' core	445'

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700			Jones of fleet and I work on HC
			on truck 1015. Meet with Chris about
	0630	1.5	coring operations.
0830	0930	1	Mob to Core site.
0930			Air lift Core Hole at 425'.
			Trip up to 392' and set packer there.
			Jim & Jason arrive at site. We run the
			sphmatic test. Air lift off packer interval
			and take water sample. Core from 425' to
			445' and air lift. Real soft drilling.
	1700	7.5	Secure rig & site.
1700	1800	1	Mob to Tampa.

Total paid Time:	11	Non-Paid Time:		Accidents	—
District Representative	[signature]			Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
34	Jerry, M - Carol, K	9-4-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernnie	1000'	Core 40', Packer test	465

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Met with Chris T.
0730	0830	1	MOB to site.
0830			Record water levels. Air lift the core hole at 445'. Core from 445' to 465' and air lift. Core from 465' to 465' and air lift. Unstable packer at 457'. Air lift test interval. Take water sample. Wait on water level to recover. Secure rig + site.
	1730	9	
1730	1630	1	MOB to Tonya.

Total paid Time:	11.5	Non-Paid Time:	—	Accidents	—
District Representative				Contractor Representative	—

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
35	Carol Kraft	9-5-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'		

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	MILITARY TIME LOG TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Meet with Chris.
0730	0830	1	Move to site.
0830			Run packer test on interval 457' to 465'. Core from 485' to 505' and air left
	1500	6.5	Secure rig & site.
1500	1600	1	Move to Tampa

Total paid Time:		Non-Paid Time:		Accidents	
District Representative				Contractor Representative	

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
36	Carol Kraft	9-6-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'	Packer test Core 15'	-520'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0500	1	MOB to site.
0600			Air lift Core Hole at 505'
			Core from 505 to 520' and air
			lift. Trip up NQ to 506' and
			install packer there. Air lift
			for three hours to get mud
			volumes. Remove packer
	1700	9	and secure rig & site.
1700	1800	1	MOB to Tampa.

Total paid Time:	11	Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
37	Carol Kraft	9-8-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'		

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700			Meet with Chris. Take care of timesheets
	0800	1	and vehicle sheets.
0800	0900		Mob to Core Site.
0900			Trip in NQ to 320. and air
			lift. Core from 320 to 330.
			and air lift. Rig up to do
			packer test at 314'. Secure
	1600		site.
1600	1700		Mob to Tampa.
Total paid Time:	10	Non-Paid Time:		Accidents
District Representative				Contractor Representative

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
38	Jerry, M.	9-9-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, D. Bernard	1000'	Meeting	530'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
1000			Pull truck 1015 over to fleet to
			get the A/C checked out. Run and
			get parts for Jones. Help repair A/C
	12:00	2	Meet with Chris Tomlinson.
1200	1300	1	Meb to site.
1300			Meet with Eric DeHover, Jim Clayton,
			and Jerry M to talk about LWR2
			; also inflat packer at 514 bls
			Waist on water level. Secure rig
	1700	4	+ site
1700	1800	1	Meb to Tampa.

Total paid Time:	8	Non-Paid Time:		Accidents	—
District Representative	[signature]	[signature]		Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
39	Jerry, M	9-10-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'		

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	One Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Mob to site.
0800			Record water levels.
			Pump of well will packer set
			at 3/4. The gpm is at .5 per min
			Take water sample. Set up to
			do falling head test.
			Set up test to ~~[illegible]~~ run over night.
	1600	8	Run test. Secure rig + site
1600	1780	1	Mob to Tampa

Total paid Time:	10	Non-Paid Time:	—	Accidents	—
District Representative	[signature]			Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
40	Jerry M	9-11-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, P, Bernice	1000'	Packed 20 of Core	550'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Meet with Chief.
0800	0930	1.5	Mob to Borrow to pick up PVC fitting to run 3½" PVC on packer test.
0930	1030	1	Mob to Site.
1030			Make up packer to run 3½" PVC to Packer. Trip out NQ to 320' bls. Run new style packer test. Core from 330' to 350' and air lift same w/ mist + ice.
	1800		
1800	1900	1	Mob to Tupa.

Total paid Time:	12	Non-Paid Time:	—	Accidents	—
District Representative				Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
41	Jerry, M.	9-12-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, D. Bernie, C.	1000'	Packer test 20' run	570'

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	MILITARY TIME LOG TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Meet with Chris T to talk about packers
0800	0900	1	Move to site.
0900			Talk with Jerry about new kind of packer testing. Core from 550 to 555'. Drop of rebuild water serviced.
			Core from 555 to 570' and air lift.
			Trip NQ up to 549' and install packer
			Run one weight packer test at 549' ft
	1700	8	Secure rig & site.
1700	1800	1	

Total paid Time:	11	Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
42	~~Jerry M~~ Carol, Kraft	9-13-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, D. Bernric, C.	1000'	Packer test, 20' core	590'

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Mob to site
0800			Record water levels. Air lift off
			packer zone - Have well volumes.
			Core from 570' to 590' and air lift.
	1500	7	Secure rig + site.
1500	1600	1	Mob to Tampa

Total paid Time:	9	Non-Paid Time:		Accidents	—
District Representative	[signature]			Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
43	Carol, Kraft	9-15-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernnie	1000'	20' core Packer test	610'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Meet with Chris.
0730	0830	1	Mob to the Core Site.
0830			Air lift - Core Hole at 590'.
			Core 590' to 610' and air lift.
			Tip up NQ to 586' and install packer
			there. Pump off three well volumes
			Run falling head - last over night.
	1700	8.5	Clean rig & site.
1700	1800	1	Mob to Tampa.

Total paid Time:	11	Non-Paid Time:		Accidents	—
District Representative	[signature]			Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
44	Jerry, M	9-16-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernnie		Further 40' of Core	650'

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	MILITARY TIME LOG TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Meet with Chris.
0800	0900	1	Mob to site.
0900			Finish up packer test. Core from 610' to 630' and air lift. Core from 630' to 650' and air lift.
	1800	9	Leave rig + site.
1800	1900	1	Mob to Tampa

Total paid Time:	12	Non-Paid Time:	—	Accidents	—
District Representative				Contractor Representative	

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
45	Jerry M	9-17-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George Bernie	1000'	Packer Test	650'

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Met with Chris.
0800	0900	1	Mob to site.
0900			Record water levels. Air lift Core Hole at 650' bls. Trip up DP to 631' bls and install packer -
	1500	6	Start air lifting three well volumes.
1500			Decide to go to Bridle HRL. Bernie
	1630	1.5	and Jerry stay on site to pump well.
1630	1730	1	Mob to Tampa.

Total paid Time:	10.5	Non-Paid Time:	—	Accidents	—
District Representative				Contractor Representative	—

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
46	Jerry M	9-18-03	9-7-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernnie	1000'	Packer Test	650'

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	

MILITARY TIME LOG FROM	MILITARY TIME LOG TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Meet with Chris.
0730	0530	1	Mob to site.
0530			Finish pumping of packer interval.
			Run hydrolin pulling test test.
	1730	9	Clean up site. Secure rig + site.
1730	1530	1	Mob to Tampa.

Total paid Time:	11.5	Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
47	Carol, Kraft	9-19-03		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernnie	1000'	Core 20'	670'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole.

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Meet with Chris. Switch out 1015 for
			pool vacuum.
0730	0530	1	Mob to site.
0830			Record water levels. Finish up hydrolic test.
			Core from 650' to 670' and air lift
	1500	6.5	hole. Secure rig + site.
1500			Mob to Baville to pick up new
	1700	2	Nextel. Mob to Tumper.

Total paid Time:	10	Non-Paid Time:		Accidents	
District Representative	[signature]			Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
48	Carol, Kraft	9-22-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'	20' core	690'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
10:00			Arrive at office. Meet with Chris
			Wait on Evan to bring back 1015 from
	1100	1	Goodyear.
1100	1200		Mob to site.
1200			Core from 670' to 690' and air
	1630		light, leave rig & site.
1630	1730		Mob to Tampa.

Total paid Time:	7.5	Non-Paid Time:		Accidents	
District Representative				Contractor Representative	

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
49	Jerry, M	9-23-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'	Packer test	690'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Meet with Chris T
0730	0830	1	Mob to the Core Hole.
0830			Record water levels. Air left the Core Hole at 690'. The hole is pulling a little bit of Lime Stone. The hole is still pulling a little bit of Lime Stone. Jim going to go back and set the Packer anyway.
	1100		Trip up NQ to 663' and Install the packer there.
1100			The packer is set at 663' The packer interval is 663 to 690'. We are purging out three well volumes. The interval has a slow yield.
	1200		
1200			
	1600		
1600			Take bailer sample will wire line to a depth of Approx 500'.
			Set up to do hydrolic falling head test on interval 663' to 690'.
	1720		
1730	1800		Start test leaving site.
1800	1900		Mob to Tampa

Total paid Time:	12	Non-Paid Time:	—	Accidents	—
District Representative				Contractor Representative	

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
50	Jerry, M	9-24-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernnie	1000'	Meeting	690'

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700			Set Travis S up with some hand
			tools. Meet with Chris T Meet
	0830	1.5	with Eric D about newer computer.
0830			Arrive on site talk with Jerry
			M about packer testing. Deflate packer
			and trip out of hole Trip NQ
			drill pipe back in to bottom.
			Air lift the Core Hole at 690' bls.
			Talk with Jerry M about new
			packer ideas. The air compressor
			broke a belt. Order new belt thru
	1200	3.5	Brooksville Fleet.
1200			Mtl to Brooksville.
	~~1400~~ 1600	4	[illegible] meeting with the section
1600	1700	1	Mtl to Tampa
1700	1830	1.5	Meet with Chris T and Eric D
			about packers and computers and
			vacuum sheets.

Total paid Time:	11	Non-Paid Time:		Accidents	—
District Representative	[signature]			Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
51	Jerry M	9-25-03	7.9.03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernnie	1000'	30' of core	720'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Meet with Chris T and talk
			about new packer idea.
0800	0900	1	Mob to the Core Site
0900			Go over idea that Chris brought
			up about larger pipe on top of the
	1000	1	DQ string will Jerry
1000			Core fr 690 to 710' bls, and
	1330	3.5	air lift out the Core Hole.
1330	~~1330~~		Core fr 710' to 720' and air
			lift the hole Bad storm moving
	1500	1.5	in Secure rig + site
1500			Bernnie stay to air lift out
	1600		the Core Hole. I mob to Tampa.
1600	1730		Meet with Chris to Talk about
			Packers.

Total paid Time:	10	Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
52	Jerry M	9-26-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernnie	1000'	Packer test	730'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	MILITARY TIME LOG TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Fuel up 1015
0730	0830	1	Mob to the Core hole.
0830	930	1	Air lift out the core hole at 720'.
0930			Core from 720' to 730' blow and air
	1300	3.5	lift.
1300			Trip up N2 to 701' and install
	1430	1.5	the packer.
1430			Run packer test on interval 701 to 730'
	1630	2	Test over secure rig & site.
1630	1730	1	Mob to Tampa.

Total paid Time:	10	Non-Paid Time:	—	Accidents	—
District Representative				Contractor Representative	—

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
53	Carol, Kraft	9-27-03	9.9.03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Brennan	1000'	Packer test	730'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Mob to the Core Site.
0800	0830		Record water levels.
0830			Develop up three well volumes on bail interval 701 to 730. The
	1400	5.5	interval produces .75 gpm
1400			Take bail sample. Remove packer. Trip NQ bit to bottom
	1530	1.5	and air lift. Secure site.
1530	1630	1	Mob to Tampa.

Total paid Time:	9	Non-Paid Time:		Accidents	
District Representative				Contractor Representative	

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
54	Carol, Kraft	9-29-03	9-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'	40 feet	770

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Meet with Chris. Fuel up and ice up.
0800	0900	1	Mob to the Core hole.
0900			Round mile, levels air lift Core Hole
	0930	.5	at 730! Fuel up equipment
0930			Core from 730' to 750' and air
	1330		lift out drill cuttings
1330			Core from 750 to 770' and air lift
	1630	3	out Core Hole. Securing site.
1630	1730	1	Mob to Campa.
1730	1830	1	Meet with Chris & Eric.

Total paid Time:	11.5	Non-Paid Time:		Accidents	
District Representative				Contractor Representative	

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
55	Jerry M	9-30-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Earl	1000'	Packer test	770'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Meet with Chris
0730	0830	1	Mob to Site.
0830			Record water levels. Air lift
	1030	2	the Core Hole. Trip up NQ to
1030			733'. Install packer at 733'
			Run packer test on Interval
			733 to 770'. Finish test
	1630	6	Remove equipment. Sum ing + site
1630	1730	1	Mob to Tampa.

Total paid Time:	10.5	Non-Paid Time:	—	Accidents	—
District Representative	[signature]			Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
56	Jerry M, Carol K	10-1-03	7.9.03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Earl	1000'	Pecker Testing	770'

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Fuel up
0730	0830	1	Mob to the Core site.
0830	0900	.5	Recover water levels.
0900			Develop out packer interval 733 to
			770. I work on development of
			new packer. Jerry shows me how
	1630	7.5	to use Excell.
1630			Stop test and remove packer.
			Trip back to bottom with
			NQ to 770' and air lift on
			the Core hole
	1730	1	Secure rig + site.
1730	1830	1	Mob to Tampa

Total paid Time:	11.5	Non-Paid Time:		Accidents	—
District Representative	[signature]			Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
57	Jerry	10-2-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	Jay, Bonnie	1000'	40' of core	810'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Meet with Chris.
0730	0830	1	MOB to the Core Site.
0830			Rend with Cindy. Air lift
	1000	1.5	the Core Hole at 770.
1000	~~1000~~		Core from 770' to 790' and air lift.
	1400	4	out Core Hole.
1400			Core from 790' to 810' and
	1815	4.25	air lift Core Hole. Secure with
1515	1915	1	MOB to Tampa.

Total paid Time:	12.75	Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
58	Jerry M	10-3-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'	40 ft core	810'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Mob out to the Core Site.
0800			Record water levels in wells.
			Air lift the Core Hole at 810' ltd.
			Trip in DQ to 767 and install packer there. Make up a
	1100	3	new slug test device.
1100			Start packer test two on interval
			767 to 810'.
	1600	5	Secure rig + site.
1600	1700	1	Mob to Tampa.

Total paid Time:		Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	—

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
59	Earl Kraft	10-11-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'	Packer 20 gpm	830'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Dew up.
0730	0830	1	Mob to the Core hole
0830			Finish up Packer test. Reverse
	1030	2	Packer
1030			Pump up well with Packer set
	1200	1.5	to get gpm.
1200			Run from 810 to 830' and air
	1500		lift. Sewing + site.
1500	1600	1	Mob to Tampa.

Total paid Time:	9	Non-Paid Time:	—	Accidents	—
District Representative	[signature]			Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
~~5460~~	Carl Smith	10-6-03	07-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'	20' of core	850'

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	MILITARY TIME LOG TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Fuel up 1015. Meet with Chris.
0800	0930	1.5	To look at site for ASR wells & Tampa.
0930	1030	1	Mob to the Core Site
1030	1200	1.5	Air lift out Core Hole at 830'.
1200			Core from 830 to 850' and air
	1530	3.5	lift. Secure rig & site.
1530	1630	1	Mob to ~~Site~~ Tampa

Total paid Time:	9 C	Non-Paid Time:	—	Accidents	—
District Representative				Contractor Representative	—

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
61	Jerry M	10-7-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'	20 of Core	870'

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Meet with Chris.
0800	0900	1	Mob to Site
0900			Record water levels Air Lift
	1000	1	Core Hole at 850'.
1000	1100	1	Rebuild water swivel.
1100			Core from 850' to 870' bit and
	1500	4	air lift Core Hole.
1500			Al leave Bernie on site to finish
			pumping the Core Hole. Al go to
	1630	1.5	Brooksville to meet with HRD.
1630	1730	1	Mob to Tampa.

Total paid Time:	10.5	Non-Paid Time:	—	Accidents	—
District Representative				Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
63	Jeff M	10-8-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'	Packer Testing	870'

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Meet with Chris and Erin.
0800	0900	1	Mob to the Core Site.
0900			Rend water levels and air lift
	1030	1.5	Core Hole at 870'.
1030			Trip in NQ to 808 ft. Install
			Packer there. Run packer test
			on interval 808 to 870.
	1530	6	Secure site.
1530	1630	1	Mob to Tampa.
1630	1715	.75	Meet with Sue Hoyt to review
			new fuels credit cards. Meet
			with Chris T.

Total paid Time:	10.5	Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	—

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
6	Jerry M	10-9-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'	Packer test	870'

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Mob to the Core Site.
0800	0930	1.5	Record water levels and start pumping of the packer zone of 808' to 850'.
0930	0930		
	1100	1.5	
1100			Load Bernie to Tampa to work on pumps with Chris. D pvc well.
	1330	2.5	
1330	1430	1	D Mob to Tampa.
1430	1500	.5	Meet with Chris - D check out
2100			D the mud and to the Core
	2200	1	site.
2200			Take conductivity readings of well
	2300	1	@ 1500. Shut down air compressor.
2300	2400	1	Mob to Tampa.

Total paid Time:	11	Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
65	Jerry M	10-10-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'	30' of core.	900'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole.

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Fuel up 1015.
0730	0830	1	Mob to the Core site.
0830			Take a Bailer Sample.
	1000	1.5	Remove packer.
1000	1400	11	Core from 870 to 890 and air lift the Core Hole.
1400			Core from 890 to 900' and air lift there at 900' ft. Secure site.
	1630	2.5	
1630	1730	1	

Total paid Time:	10.5	Non-Paid Time:	—	Accidents	—
District Representative				Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
66	Carol Kroft	10-13-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'	Trip NQ, Core 10'	910'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Fuel up 1015
0730	0830	1	Mob to the Core Site.
0830	0900	.5	Air lift the Core Hole at 900'
0900			Trip up NQ's and Break down 5' foot pipes for a total of 665.5' NQ's.
	1130	2.5	
1130			Trip in NQ's twenty feet long to 735'
	1300	1.5	and air lift there.
1300			Trip in to 735 and air lift there.
	1500	2	
1500			Core from 900' to 910' and air lift
	1730	2.5	for an hour.
1730	1830	1	Mob to Tampa.

Total paid Time:	11.5	Non-Paid Time:		Accidents	
District Representative				Contractor Representative	

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
67	Jerry M	10-14-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'	20' off on Tools	930'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Meet with James D about getting & bits trailer were.
0735	0830	1	Mob to the Core site.
0830	1000	1.5	Air lift the Core Hole at 910'.
1000			Core from 910 to 930' and air lift
	1430	4.5	the Core Hole.
1430	~~1430~~		Trip up NQ to 870. Unstable
	1600	1.5	packer at 870' Ble. Run up + sit
1600	1700	1	Mob to Tampa.

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
		10-15-03		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
	George,			

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	

MILITARY TIME LOG		ELAPSED TIME	DETAILS OF OPERATIONS
FROM	TO		
0700	1730	10	Took the Day off.

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
68	Jerry MA	10-16-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'	Packer testing	

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0830	1.5	Meet with Chris
0830	0930	1	MOB to The Core Site.
0930			The packer had a leak in
			the nitrogen side. Trip out
	1200	2.5	packer and repair.
1200			Start slug test at interval 870' to
	1430	2.5	930.
1430			Make up a new water sampling
			device to set down on development
			time. Then Send the new device
			down hole with packer. Secure
	1700	2.5	rig + site
1700	1800	1	MOB to Tampa.

Total paid Time:	11	Non-Paid Time:	9	Accidents	—
District Representative				Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
69	Jerry M	10-17-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'	Packer test 20' of core	950'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Fuel up 1015
0730	0830	1	Mob to Core Hole
0830			Start pumping 3 well volumes with
	1100	2.5	new bailer device.
1100			Deflect packer and remove water
	1200	1	sample.
1200			Core from 930 to 950' and air lift
	1530	3.5	the core hole.
1530			I go to F.I.P. to pick up some
			supplys. Bernie stay on site to
	1700	1.5	finish air lifting
1700	1730		Mob to Tampa office.

Total paid Time:	10.5	Non-Paid Time:	—	Accidents	—
District Representative	[signature]			Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
70	Carol Kraft	10-16-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'	20' of Core	970'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Mob to the Core Site.
0800			Record water levels. Air lift.
	0930	1.5	out the Core Hole at 950' bls.
0930			Core from 950' to 970' and air
	1400	4.5	lift out Core hole.
1400			the Core Hole still is not cleaned
			up. Air lift some more.
	1500	1	Secure site
1500	1600	1	Mob to Tampa

Total paid Time:	9	Non-Paid Time:	—	Accidents	—
District Representative				Contractor Representative	

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
71	Carol Kraft	10-20-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'	20' of Core	990'

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Fuel up 1015, and meet with Chris T.
0800	0900	1	Mob to the Core Hole.
0900	1000	1	Air lift out the Core Hole at 970'
1000	1230		Core from 970 to 985.
1230			The air lift broke off of the water
	1400	1.5	swivel. So we fish it out.
1400			Core from 985' to 989'. The sir
			run out of fuel. Take off fuel
			filter to prime. The fuel filter was
			so tight I worked it by to get
			it off. Call in to Chris to get
			some help. Chris sends Tim S to
			get a fuel filter. The multi fuel
			housing come off by so we bypass
	1600	2	second filter.
1600			Core from 989 to 990' Stop and
			repair air line. We go to air lift
			and the air line is plided up. Unplug air
	1700		line.
1700	1730	.5	Air lift the Core Hole at 990' ft.
1730	1830	1	Mob to Tampa
1830	1900	.5	File drilling reports and fill out VUF.

Total paid Time:	12	Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
72	Jerry M	10-21-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'	Core 12'	1002.5'

ROMP SITE NAME/ NUMBER	Lw R 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700			Meet with James D to get new o'rings for filter housing on the CME.
	0800	1	
0800	0900	1	MIRU to the Core hole.
0900	1000	1	Air lift out the Core Hole at 990'.
1000			Core from 990' to 1000'. The hole
	1300	3	is getting tight, so we air lift there.
1300			Core from 1000' to 1002.5'. The hole
	1600	3	is still tight, so we air lift at 1000'.
1600			Trip up NQ to 990' and air lift
	1700	1	the hole there.
1700	1800	1	Trip NQ back down the hole
			and air lift on bottom of 1002.5'.
			Secure rig and site.
1800	1900	1	MIRU to Temper.

Total paid Time:	12	Non-Paid Time:	—	Accidents	—
District Representative				Contractor Representative	—

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
73	Jerry, M	10-22-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'	Trip in NQ	1002.5'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Meet with Chris.
0800	0900	1	Meet to the Core site.
0900			Record water levels. Air lift the
	1000	1	Core Hole at 1002.5'.
1000			Core from 1002.5 to 1002.5'. I think
			the core bit is no good. The last
			core was limestone it should drill right
			thru it. Air lift the Core Hole.
			Talk with Jerry, we are going to do the
	1100	1	packer testing now.
1100			Go to set packer. Try to set
			packer at 942.5'. Something is wrong
			it seems that the packer is passing thru
	1230	1.5	the bit.
1220			Start tripping out the NQ.
	1600	3.5	The bit is burned up bad, so
1600			the packer was passing thru the
			bit. Trip back down the NQ
	1800		with new bit. Secure rig & site.
1800	1900	1	Meet to Trip

Total paid Time:	12	Non-Paid Time:	—	Accidents	—
District Representative	[signature]			Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
74	Jerry, M	10-23-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'	Tripping NQ 10' core	1010'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Meet with Chris T.
0730	0830	1	Mob to The Core Site.
0830	1000	1.5	Air lift the Core Hole at 700'
1000			Trip in to 800' and air lift the
	1100	1	Core Hole
1100	1200	1	Trip in to 900' and air lift the
			Core Hole.
1200	1300	1	Trip in NQ to 1002' and air lift
			out the Core Hole.
1300			Core from 1002' to 1010' and air
			lift the Core Hole. Secure rig
	1800	5	& site.
1800	1900	1	Mob to Tampa.

Total paid Time:	12	Non-Paid Time:		Accidents	—
District Representative	[signature]			Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
75	Carol Kraft	10-24-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'	Packer test	1010'

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole.

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Mob to ~~Tampa~~ the Coe Site.
0800	0930	1.5	Record water levels, and install the packer at 957' bls
0930	1130	2	Wait on the water level to stabilize
1130			Start packer test on interval 957 to
	1600	2.5	1010'. Secure rig + site.
1600	1700		Water level still not at static Mob to
			Tampa. ~~Set~~ Set test run all night.

Total paid Time:	10	Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	—

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
76	Carol Kraft	10-25-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'	Packer testing	1010'

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Mob to the Core Site.
0800			Try to put the updated IAS
	0900	1	soft ware on my laptop.
0900			The packer has leaked off to 400 psi.
			Carol said she left started to mess
			up right after we left according to
	1000	1	the Hermit. Trip out packer.
1000			Install our new packer water
			sampler, and ai lift the Core Hole
			out at 975' to 1000'. Purge out
	1400	4	three well volumes.
1400			Trip out packer and water sampler
	1500	1	Secure site.
1500	1600	1	Mob to Tampa.

Total paid Time:	9	Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	—

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
77	Carol Krafte	10-20-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'	Hydraulic test	1016'

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
~~0630~~	0700	.5	~~Fuel up 1015.~~
0700	0730	.5	Meet with Chris T
0730	0830	1	Mob to the Core Site.
0830			Record water levels & Install
	915	.75	the packer at 957'.
0915	1000	.75	Wait on the water levels to stabilize
1000			Run Hydraulic test on interval
	1230	2.5	957 to 1010'
1230			Trip out packer and Core for
			1010 to 1016. The hole is
			getting tight, so we trip up
	1530	3	OC and reream thru.
1530			I leave Bernie and Carl to
			develop up the Core Hole. I
	1630	1	mob to Tampa to get my reverse.
1630	1730	1	Meet with Chris and Chris.

Total paid Time:	11	Non-Paid Time:	8	Accidents	—
District Representative				Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
78	Jerry M	10-28-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Earl	1000'	Trip NQ	1016

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Meet with Chris.
0730	0830	1	Move to the Core site.
0830			Record water levels. Develop up the Core hole from 956 to 1016.
	1300	4	
1300			The air compressor broke down. Called in to Chris he said "Travis will be bring out the other air compressor. The hole still has some rock grabbing the pipe up hole. Trip up NQ to 816 bls.
	1630	3.5	
1630			Travis arrive with air compressor on site. Secure it to site. Move to
	1730	1	Tampa.

Total paid Time:	10.5	Non-Paid Time:		Accidents	
District Representative				Contractor Representative	

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
79	Jerry M	10-29-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Earl	1000'	Developing well	1016'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0900	2	Meet with Elvis. Meet with James D
			to get in water swivel parts.
0900	1000	1	Mob to the Core site.
1000			Record water levels. Top in 70', and
			the hole is still tight up high.
			Trip up NQ. to 770 and air lift
			The hole is pulling out some limestone.
	1200	2	on air.
1200			Start tripping in the hole 20' at
	1500		a time and then air lifting.
1500			I have to go in early Earl is
			going to stay on site and air lift at
			840'. I mob to Tampa.

Total paid Time:	9	Non-Paid Time:		Accidents	—
District Representative	[signature]			Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
80	Jerry M	10-30-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'	Trip hole	1016

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Meet with Chris
0730	0630	1	MO out to the Core Site.
0630			Record the with levels in HW, NQ, and the water supply well.
			The NQ pipe still has tight spots in
			the string while lowering NQ pipes down
			hole. Start tripping up NQ pipe to we
			see the pipe has no tight spots The
			NQ pipe is at 620' bls. We lifted the
			NQ pipe a total of 60' with out any
	1000	1.5	tight spots.
1000			I drop in the inner barrel, and start
			lowering the NQ towards bottom of the
			Core Hole. The hole is tight at 895, so we
			stop there and ream. Trip back down with
			NQ to 1016, and reverse air the Core Hole thru.
			~~Ajust up~~ Bit Keeps plugs on Bottom
			, so I ajust up innerbarrel. Still plugs
			up on bottom. Call Chris. Trip out NQ
			I think the inside diamonds are lost.
	1700	7	Securing site
1700	1800	1	Multi Tasker.

Total paid Time:	11	Non-Paid Time:	—	Accidents	
District Representative				Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
81	Jerry M	10-31-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Jason	1000'	Trip hole, Core 4'	1020'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Chris and I make a bit pick
			to get thru the chert
0800	0900	1	Mil to the Core site
0900			Make up hard formation bit up on
			the core barrel. Trip in NQ drill
	1130	2.5	pipe.
1130			Air lift out the Core Hole at
	1430		1016'.
1430			Core from 1016 to 1020'. Try to
			core from 1020 to 1025' and the drill
			bit was played off. Air lift
	1630		out drill cuttings.
1630	1730	1	Mob to Tampa

Total paid Time:	10.5	Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
82	Carol Kraft	11-1-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Jason	1000'	30' of core	1050'

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Mob out to the Core site.
0800			Record water levels. Air lift
	0930	1.5	out the Core Hole at 1020'.
0930			Core from 1020' to 1040' and air
	1430	5	lift out the Core Hole
1430			Core from 1040 to 1050' and air
	1630	2	lift out the Core Hole.
1630			Install packer at 990' bls
			for water level. Secure
	1730	1	site.
1730	1830	1	Mob to Tampa

Total paid Time:	10.5	Non-Paid Time:		Accidents	
District Representative				Contractor Representative	

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
83	None	11-2-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George		Packer test	1050'

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Eve Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0630			I drive my personal truck
	0730	1	to The Core Site.
0730			Record water levels. Deflate
	0830		packer. Seven ing + sets
0830	0930		MeB to Tampa.

Total paid Time:	3	Non-Paid Time:		Accidents	—
District Representative	[signature]			Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
84	Carol Kraft	11-3-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George Bernie	1000'	20' of core	1070'

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	1000	3	Attend the 2004 benefits meeting in the Tampa Office.
1000	1130	1.5	Meet with Chris Tomlinson at the City of Tampa A.S.R well site.
1130	1200	.5	Have lunch in Tampa.
1200	1300	1	Mob to The Core Site.
1300			Core from 1050 to 1070' and
			air lift out the drill cuttings.
	1800	3	Leave site
1800	1900	1	Mob to Tampa.

Total paid Time:	11.5	Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
85	Dave Daniels	11-4-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'	Packer test 20' of Core	1090'

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Mob to the Core site.
0800			Air lift out the Core Hole at
	1000	2	1070'.
1000			Install the packer at 1010'.
	1130	1.5	Wait on water level.
1130			Start slug test on interval
	1500	3.5	1010' to 1070'.
1500			We are aborting the packer test due
			to no water movement. Tryout packer
			Trip in the hole to 1070.
			Core from 1070 to 1090' and air lift
			out the core hole. Bernie leaves at
	1400	4	1600. Secure rig & site.
1900	2000	1	Mob to Tampa.

Total paid Time:	13	Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	—

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
86	Rose Pellett	11-5-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie, Don	1000'	40' of Core	1130'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Meet with Chris Tomlinson.
0730	0830	1	Move to the Core Hole.
0830			Record water levels. Trip up NQ drill pipe up to 1090.
	1030	2	Circ run a bailer sample.
1030			Core from 1090 to 1110' and air lift out the Core Hole.
	1430	4	
1430			Core from 1110' to 1130' and air lift out the Core Hole. Both lightning storm has come in. Secure rig and site.
	1730	3.5	
1730			Bernie stays on site to develop up the Core Hole - Don and I move to Tampa
	1830	1	
1830	1900	.5	Fuel up 1015 and clear down water samples.

Total paid Time:	12	Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST ?	DATE	DATE MOVED ON-SITE	
87	Dave B. DeWitt	11-6-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'	Packer test 20' [illegible]	1150'

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Meet with Chris Tomlinson.
0730	0830	1	Mob to the Core Site.
0830			Record water levels. Install
			packer at 1070. Wait on water
	1130	3	levels.
1130			Run packer test on interval from
			1070 to 1030. Have meeting with
			Chris & Carrie and Dave about
	1430	3	core contract.
1430			Trip out packer. Core from
			1030 to 1150 and air lift.
	1800	3.5	Secure rig & site.
1800	1900	1	Mob to Tampa.

Total paid Time:	12	Non-Paid Time:	—	Accidents	—
District Representative	[signature]			Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
88	Carol Kraft	11-~~7~~-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'	Packer testing	1150'

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0630	1.5	Meet with Carol.
0630	1130	-3	Personal leave.
1130	1230	1	Mob to the Core Site
1230			Trip up NQ to 1120'. Wait on
	1400	1.5	water to stabilize.
1400			Run packer test on interval 1120'
	1500	1	to 1150'.
1500			Deflate the packer. Trip out packer
			and trip back in packer with water
			sampler. Pump off three well volumes.
			Trip out packer retrieve water sample
	1700	2	Secure rig + site.
1700	1800	1	Mob to Tampa.

Total paid Time:	8	Non-Paid Time:		Accidents	—
District Representative	[signature]			Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
88	Carol Kraft	11-8-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'	40' of core	1190'

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	MOB out to the Core Site.
0800			Record water levels on the
			site. Core from 1150' to 1170'
	1230	4.5	and air lift.
1230			Core from 1170' to 1190' and
			air lift out the Core Hole.
	1500	2.5	Secure rig + site.
1500	1600	1	MOB to Tampa Service Office.

Total paid Time:	9	Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
89	Corol, Kraft	11-10-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'	Packer Test	1190'

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Fuel up 1015 and settle tank.
0730	0830	1	Mob to the Core Site.
0830			Record water levels. Air lift out
	1030	2	the Core Hole at 1190'.
1030			Trip in NQ to 1170'. Install packer
			at 1170'. Run slug test for
	1300	3.0	15' up in the Mud.
1300	1400	1	Trip out packer. Secure site.
1400	1500	1	Mob to Tampa

Total paid Time:	6	Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	—

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
90	Jerry M, Carol Kraft	11-11-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bennie	1000'	Packer test, 20' of core	1210'

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Turn in some paper work.
0730	0830	1	Mob to the Core site.
0830			Fill in Jerry M about the
			Core site. Repair water level
	1000	1.5	tape. Record water levels.
1000			Install packer to 1170' with
			water sampler. Trip out packer
	1230	2.5	and retrieve water sample.
1230			Core from 1190 to 1210' and air
	1700	4.5	lift. 1190 to 1210' was real hard drilling
1700			Trip up NQ to 1120' and install packer
			for water levels for tommorow. Secure
	1700	1	rig and site.
1700	1800	1	Mob to Tampa.

Total paid Time:	12	Non-Paid Time:	—	Accidents	—
District Representative	[signature]			Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
91	Jerry M. Carol K	11-12-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	Gye, Bernie	1000'	20 of core	1230

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole.

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Fuel up 1015 and load up some ice.
0730	0830	1	Mob to the Core Site.
0830	0930	1	Record water levels and trip out packer.
0930	1030	1	Trip to 1210' and air lift.
1030			Still air lifting the core hole at
			1210' Eric DeHaven is on site, so
	1230	2	we air lift and meet with him.
1230	~~1230~~		Core from 1210 to 1230 and air lift
	1630	4	the Core Hole. Secure rig + site.
1630	1730	1	Mob to Tampa.

Total paid Time:	10.5	Non-Paid Time:		Accidents	—
District Representative	[signature]			Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
92	Jerry M.	11.13-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	Jay, Bernie	1000'	20' for Packer Test	1250' TD

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Fuel up and load up gear in trailer
0730	0830	1	Mob to the Core Site.
0830			Record water levels in the wells. Air lift on bottom of
	1000	1.5	the Core Hole at 1230' ft.
1000			Core from 1220' to 1250' and
	1300	3	air lift the Core Hole.
1300			Trip out the 1220 ft and install packer
	1430	1.5	stage.
1430			Run packer test on interval
			1220' to 1250'. Air lift out the
			well volumes. Trip out packer
	1630	2	assembly and well idle
1630	1730	1	Mob to Tampa Service Office.

Total paid Time:	10.5	Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	—

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
93	Jerry, M.	11-14-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	Jerry, Bernie	1000'	40 of Core	1290' TD

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	MILITARY TIME LOG TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Meet with James D. about CME maintenance.
0730	0830	1	Mob to the Core Site.
0830			Record with Geeks on site
			Core from 1250' to 1270 and air lift.
	1230		
1230			Core from 1270' to 1290' and air lift. Secure rig & site.
	1630		
1630	1730	1	Mob to Tampa.

Total paid Time:	10.5	Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
94	Carol Smith	11-15-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	Gy, Bernie	1000	Packer test, Tip Hole	1290

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0600	1	Mob to Core Site
0600			Record water levels on site. Trip up
			to 1250. Install packer with
			water sampler. Pump off three
			Well volumes. Trip out packer
	1030		with water sample.
1030			Trip up well and break down
			NQ pipe 400' at a time and
	1430		air lifting off the Core Hole.
1430	#		The hole is all tripped out.
			Lower in dummy probe to check
			out the condition of hole. The
			dummy tool made it all the way
			to bottom. Screw in HW casing head
			to seal off well. Make room for
	1500		Keys to log
1500	1600		Mob to the Tampa Service Office.

Total paid Time:	9	Non-Paid Time:		Accidents	—
District Representative	[signature]			Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
95	Jerry M.	11-17-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'	Logging	1290'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Meet with Chris Tomlinson.
0730	0830	1	Mob to Brooksville.
0830	0930	1	Meet with HRD.
0930	1000	.5	Mob to the Core Site.
1000	1200	2	Kevin Stover on site and just started logging.
1200	1230	.5	Lunch break.
1230	1500		Finish logging well.
1500			Set up some new fittings on new
	1630	1.5	pump. Clean out ~~[illegible]~~ goose and mud tanks.
1630	1730	1	Mob to Tampa.

Total paid Time:	10	Non-Paid Time:		Accidents	—
District Representative	[signature]			Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
96	Jerry M	11-18-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie, Earl	1000'	Drilling	1290'

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700			Meet with Chris. Ten in 1054 to Chris. Take out to Lloyd & find
	0600	1	to site.
0600	0900	1	MOB to the Core hole.
0900			Unload Twins & truck. Move
			around trailers, start in with
	1200	3	1" Trimm.
1200	1230	.5	Lunch
1230	1500	2.5	Coring tripping in 1' to 1290' bls
1500			Mix up 220 gallons of cement.
			Top up 700' off of the bottom
	1730	2.5	Clean up pump and trimmie
			Secure rig + site.
1730	1830	1	MOB to Tampa

Total paid Time:	11	Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
97	Jerry M	11-19-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Bernie	1000'	Footage	1400'

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700			Met with Chris. Check at
	0800	1	a pool truck.
0800	0900	1	Mob to the Core Site.
0900			Trip in 1" tremie to top cmt.
			Tagged cement at 630' blk.
			Mix up 560 gallon of cmt.
			Trip up tremie and clean out pumping
	1230		equipment.
1230			Mob to Brooksville to pick up
			1 pallet of cmt. Wait on cmt
	1600		to harden.
1600			Trip in 1" to 400 and tag there.
			Mix up 120 gallons of cmt.
			Trip down hole, and trip up 1" and
			flush out pumping equipment.
	1800		Secure rig & site.
1800	1900		Mob to Tampa.

Total paid Time:	10.5	Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
98	Jon Mn	11-20-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George, Brian	1000	Finity.	

ROMP SITE NAME/ NUMBER	Lw R 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700			Pick up 1015 from fleet. Hook up to yellow trailer and unload Floyd's core barrel.
	0830	1.5	Load up two pallets of pelletized plug.
0830	0930		Mob to the Core Site.
0930			Unload trailer. Trip in 1" tie in cents. Top up with the cement at 350'. Pour in 10 buckets of pelletized plug. Trip out 1' trimmie.
	1200		Run out wire line and put 50' marks on cable tie so pelletized plug will. Break down subst. Trip out air line out of Kelly.
1200			
	1400		
1400			Start pulling on HW with drive head - Leaving 2 sticks
	1800		
1800	1900	1	Mob to Temple.

Total paid Time:	12	Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
99	Jerry M	11-21-03	7-9-03	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	George Berne	1000	Mob	350

ROMP SITE NAME/ NUMBER	LWR2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Mob to the Core Site.
0800			Try to pull out the 326' of
			HW. Make up a 4" HW
			reverse air head, to try to
			break loose the HW casing seat.
			Call in to Chris tell him
	1200	4	the news
1200			Rig down the site and start
	1830	6.5	mobing equipment to Tampa.

Total paid Time:	11.5	Non-Paid Time:		Accidents	—
District Representative				Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
100	Jerry Lee	11-22-03	7-7-03.	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	Greg - Bruce	1060	Mob	350

ROMP SITE NAME/ NUMBER	LWR 2	WELL TYPE/NAME	Core Hole

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	1630		Mob. equipment to Tampa fill in mud pit.

Total paid Time:	11.5	Non-Paid Time:		Accidents	
District Representative				Contractor Representative	

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
01	Jerry Mallams Tim Lohner	Mo, 02-16-04	02-16-04	01

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH 10" PVC casing
Toomer's Assoc, SS-15 II	Glen Caldwell Lonnie, Tom	355 ft.	0	50' ~~to~~ to 50'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect site #2	water level monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
1100	1400	3.00	Crew on site, Brought Mud system, water truck and submersible pump for water well. Install pump in Shallow Upper Floridan well. Fill Water tank. Spot mud system,
			MOB
		1.00	Also pay for 1 one hour mob from shop
			~~Materials FDL~~

Total paid Time:	4	Non-Paid Time:	0	Accidents	0
District Represntative	Tim Lohner			Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
02	Jerry Mallams Tim Lohner	We 02-18-04	02-16-04	02

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc, SS 15-II	Glenn Caldwell Lonnie, Tom	355'	0	10" PVC casing to 50'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME	
Withlacoochee River Transect site #2	water level monitor /	Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0930	1230	3.00	3 man crew on site, With Drill Rig, Set Rig up on hole. Unload two - 8" Drill Collars. Had brought 2 7/8" heavy wall Drill pipe, Need 3 1/2" Drill pipe. Crew will return at later date with 3 1/2" Drill pipe. Also a question as to whether mud pump on Rig (Gardner - Denver FXG 5x6) can produce the 250 gpm required by contract. Crew left for the day.
		1.00	Also pay for one hour mob from shop.

Mob

Total paid Time:	4	Non-Paid Time:	0	Accidents	0
District Represntative	Tim Lohner			Contractor Representative	

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry Mallams	We		
03	Tim Lohner	03-03-04	02-16-04	03

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
	Glenn Caldwell			10" PVC
Toomer & Assoc. SS 15-II	Steve, Brandon	355'	Ø	casing to 50'

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
Withlacoochee River Transect site			Water level monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0900	1130	2.50	Crew (3 man) on site. Continue rig up. Prepare to mix mud.
1130	1400	2.50	Begin to mix mud. Mix 1000 gal. of mud with water that was already in mud system. While mixing mud crew continued to rig up. Also pick up 9 7/8" bit, one-8" Drill collar, change over sub, one-31' joint of 3 1/2" drill pipe.
1400	1500	1.00	Attempt to mix mud with contractor pump. Not enough pressure. Stop for the day because we need mixing pump.
			Materials used: Gel - 8 bags

Total paid Time:	6	Non-Paid Time:	Ø	Accidents	Ø
District Represntative	Tim Lohner			Contractor Representative	

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
04	Jerry Mallams Tim Lohner	Th 03-04-04	02-16-04	04

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc. SS 15-II	Glenn Caldwell<br~~Steve~~, Brandon, Tom	355'	45'	95'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect site #2	Water level monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0800	0830	0.50	Crew (3 man) on site. Put together mixing system.
0830	1000	1.50	Mix mud adding Lost Circulation material (N-seal).
1000	1030	0.50	Drill 9 7/8" hole from 50' to 75'. no return of drilling fluid.
1030	1230	2.00	Mix three - 300 gal. slugs of drilling mud with Lost Circulation material (N-Soal). Pump slugs. Still no returns.
1230	1400	1.50	Non-paid time: Attempt to break out Kelly. Unable to do so. Rig up breakout wrench. Break-out Kelly. Weld Key-stock on 31' joint of Drill pipe so that slips would hold for break-out. Grind slip for 20' Drill pipe so that it would fit mill flat.
1400	1430	0.50	Drill 9 7/8" hole from 75' to 95' no returns.
1430	1630	2.00	Mix mud to refill mud system.
1630	1800	1.50	Mix and pump 600 gal cement slurry with 14% bentonite. To plug hole, Pump at 80'. Clean up cement.

Total paid Time:	8 1/2 hr.	Non-Paid Time:	1 1/2 hr.	Accidents	0
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

Materials used: Gel-14 bags, N-Seal 8 bags
Cement - 48 (47#) bags

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry Mallams	FRI.		
05	Tim Lohmer	03-05-04	02-16-04	05

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
	Glenn Caldwell			
Toomer's Assoc. SS 15-II	Steve, Brandon	355'	0	95'

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME		
Withlacoochee River Transect site			Water level monitor / Deep Upper Floridan	

MILITARY TIME LOG FROM	MILITARY TIME LOG TO	ELAPSED TIME	DETAILS OF OPERATIONS
0830	0930	1.00	Crew (3 man) on site, Tag cement in annulus @ 65'. Try to establish circulation, no returns.
0930	1030	1.00	Mix and pump 300 gal. cement slurry w/ 14% bentonite, Pump @ 50'.
1030	1330	3.00	Wait for cement to harden.
1330	1400	0.50	Tag cement @ 56', Try to establish circulation, No returns.
1400	1500	1.00	Mix and pump 125 gal. cement slurry w/ 14% bentonite, Pump @ 45'.
1500	1530	0.50	Clean up cement.
1530	1600	0.50	Secure site and exchange paperwork with driller.
			Materials used: Gel - 2 bags
			Cement - 34 (47#) bags

Total paid Time:	7½ hr.	Non-Paid Time:	0	Accidents	0
District Represntative	Tim Lohmer			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE Mo	DATE MOVED ON-SITE	NO. DAYS ON-SITE
06	Tim Lohner Jerry Mallams	03-08-04	02-16-04	06

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer's Assoc, SS 15-H	Glenn Caldwell, Brandon Steve Griffith, Terry	355'	70'	165'

ROMP SITE NAME/ NUMBER	Withlacoochee River Transect Site #2	WELL TYPE/NAME	Water level Monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0730	0800	0.50	Tag cement @ 40', Run bit, 8" DC and DP to 40',
0800	0830	0.50	Stir fluid in mud tank. Add 3 bags gel to tank,
0830	1100	2.50	Drill 9 7/8" hole from 40' to 120', Lost circulation,
1100	1300	2.00	Mix and pump 300 gal. slug of gel (1½ bags) and N-seal (one bag), While mixing gel 3" Diaphram pump stopped pumping 10 to 12 times, Hopper unable to mix N-seal, Mix directly in top of tank, Mix and pump 300 gal. slug of gel (1½ bags) and N-seal (3 bags),
1300	1330	0.50	Mix and pump 600 gal. gel slurry in mud system,
1330	1400	0.50	Drill 9 7/8" hole from 123' to 134' Have returns @ surface,
1400	1500	1.00	Drill 9 7/8" hole from 134' to 154',
1500	1530	0.50	Connection, Laid down 20' joint, pick up 30' joint, 14 min. for this connection. Drill 9 7/8" hole from 154' to 165' Lost circulation @ 156', Continued to drill to 165'.

Total paid Time:	10½ hr.	Non-Paid Time:	0	Accidents	0
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
06		03-08-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc				

ROMP SITE NAME/ NUMBER	Withl. River site #2	WELL TYPE/NAME	Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
1530	1630	1.00	Mix and pump 300 gal slug of Gel (1½ bags) and N-seal (3 bags), Mix and pump 300 gal slug of gel (1½ bags) and N-Seal (2 bags), Pump both @ 156' Attempt to get circulation back, no returns,
1630	1700	0.50	Mix and pump 300 gal. cement slurry w/ 14% bentonite @ 140', While mixing diaphram pump stopped 15 to 18 times,
1700	1730	0.50	Pull bit into casing, Clean up cement,
1730	1800	0.50	Fuel equipment, Secure site, Exchange paperwork w/ Driller,
			Saftey Issues
			Mud System needs
			1. Hand rails on catwalk on top of tank,
			2. Stairs w/ handrails going to top of tank,
			3. Guard on belt drive for shaker
			Kelly hose needs
			1. Saftey clamps at swivel and standpipe, (top and bottom)

Total paid Time:		Non-Paid Time:		Accidents	
District Representative	Jim Lohr			Contractor Representative	Dave Griffith

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Materials Used: Gel – 22 bags
N-Seal – 9 bags
Cement – 21 bags

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
07	Jerry Mallams Tim Lohner	Mo 03-09-10	02-16-04	07

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer's Assoc,	Steve Griffith Brandon, Lonnie	355'	0	165'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect site # 2	Water level monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0730	0900	1.50	Trip in hole. Tag cement @ 162'. Attempt to establish circulation. lost circulation zone still open. Pull bit back 20',
0900	0930	0.50	Talk w/ Toomer & Assoc. about how to advance hole. Decide to pump one more batch of cement.
0930	1030	1.00	Mix and pump ~~is~~ 300 gal cement slurry w/ 14% bentonite. Add one bag N-seal to mix. Pump @ 145',
1030	1400	3.50	Wait for cement to harden. Mix mud to refill mud system (2500 gal).
1400	1500	1.00	Tag cement @ 159', Demp 4 bags of hole plug. Tag @ 155'.
1500	1530	0.50	Fuel equipment. Secure site. Exchange paperwork.
			Materials Used:
			Gel - 20 bags
			N-Seal - 1 bag
			cement - 24 (47#) bags

Total paid Time:	8 hr.	Non-Paid Time:	0	Accidents	0
District Representative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
08	Jerry Mallams / Tim Lohner	We 03-10-04	02-16-04	08

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
~~Toomcat~~ Assoc. SS 15-II	Steve Griffith / Brandon, Lonnie	355'	93'	258'

ROMP SITE NAME/ NUMBER	Withlacoochee River Transect site #2	WELL TYPE/NAME	Water level monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0730	0900	1.50	Tag hole plug @155', Add 2 bags of hole plug, Tag @152', Attempt to establish circulation, No returns, Add 3 bags of hole plug, Tag @147'.
0900	1000	1.00	Trip in hole to 147', Drill ~~9 7/8"~~ hole plug and cement from 147' to 165', Drill 9 7/8" hole from 165' to 167', No returns
1000	1100	1.00	Mix mud, Add to mud system,
1100	1300	2.00	Drill 9 7/8" hole from 167' to 207', No returns, Hole staying open, Mixing and adding mud while drilling,
1300	1400	1.00	Stop drilling to refill mud system with drilling fluid.
~~1400~~	~~1445~~	~~0.75~~	~~Add 20' joint of drill pipe, Connection took 7 minutes, Drill 9 7/8" hole from~~
1400	1445	0.75	Drill 9 7/8" hole from 207' to 227',
1445	1530	0.75	Add 20' joint of drill pipe, Connection took seven minutes, Drill 9 7/8" hole from 227' to 247', No returns, Hole staying open,
1530	1600	0.50	Lay down 20' joint of drill pipe, Pick up 31' joint of drill pipe, Connection took 10½ minutes, Drill 9 7/8" hole from 247' to 258'

Total paid Time:	10 hrs.	Non-Paid Time:	Ø	Accidents	Ø
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
08	Jerry Mallams Tim Lohner	03-10-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc.				258'

ROMP SITE NAME/ NUMBER	Withlacoochee River Transect Site #2	WELL TYPE/NAME	Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
1600	1700	1.00	Pull 30'. Wait 10 min. to see if hole stays open. Clear to bottom. Pull bit into casing. Pump through drill pipe @ each connection to keep hole full and prevent swabbing.
1700	1730	0.50	Fuel equipment, Secure site. Exchange reports,
			Subject: Changing from 20' joints of drill pipe to 30' joint of drill pipe,
			1. Connection time when adding one joint is seven minutes. Connection time when laying down 20' joint then picking up 30' joint in 10½ minutes
			2. Can be ~~pass~~ confusion with pipe tally when deleting and adding Drill pipe.
			Materials used:
			Gel - 26 bags
			N-Seal - 5 bags
			Hole plug - 5 bags
			EZ-mud - 2 gals

Total paid Time:	—	Non-Paid Time:	—	Accidents	
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
09	Jerry Mallams Tim Lohner	Th 03-11-04	02-16-04	09

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & A-550G SS-15 H	Steve Griffith Brandon, Lonnie	355'	68'	326'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME	
Withlacoochee River Transect site #2	water level monitor	Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0730	0800	0.50	Wait on crew to arrive.
0800	0830	0.50	Crew on site, Start equipment, Mix mud to top-off mud system.
0830	0930	1.00	Trip in hole w/ 9 7/8" bit, To 258' Hole clean to bottom, ~~Break~~ Pump slow @ bottom of hole. Drill from 258' to 260' no returns.
0930	1030	1.00	Make Conn. Drill from 260' to 280' no returns, Pull up 20', Wait 15 min. Lower bit to bottom, Hole clean to bottom.
1030	1200	1.50	Make conn. Drill from 280' to 300'. No returns. Pull up 20'. Wait 15 min, Lower Kelly. Hole clean to bottom.
1200	1430	2.50	Make conn. Drill from 300' to 320', Hard dolomite, No returns, Pull up 20', Wait 15 min. Lower kelly. Hole clean to bottom.
1430	1530		Make conn. Drill from 320' to 326'. No returns, Hard dolomite.
1530	1545	0.25	Pump on bottom.
1545	1645	1.00	Pull bit into casing. Pump through pipe @ each connection to prevent swabbing.
1645	1730	0.75	Fuel equipment, Secure site, exchange reports, Discuss the running of casing and pressure grouting.

Total paid Time:	9 1/2	Non-Paid Time:	0	Accidents	0
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

Materials used: Gel - 40 bags
Ez-mud - 2 gal

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry Mallams	Fr.		
10	Tim Lohner	03-12-04	02-16-04	10

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
	Steve Griffith		Set 326'	
Tomomer & Assoc. SS-15 II	Brandon, Lonnie	355'	of 6" PVC	326'

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME		
	Withlacoochee River Transect site #2		Water level monitor /	Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0730	0800	0.50	Start equipment. Fill water tank.
			Top off mud system with drilling fluid.
0800	0930	1.50	Trip in hole, Encounter hole plug @ 255',
			Wash plug to bottom. Pump 15 min. on bottom.
0930	1015	0.75	Pull bit up 80'. Wait 30 min.
1015	1030	0.25	Lower bit to bottom. Hole is clean.
1030	1130	1.00	Pull out of hole, Pump through pipe @ each.
			connection, To prevent swabbing.
1130	1200	0.50	Set up to run 6" PVC casing.
1200	1330	1.50	Run 326' of 6" Sch. 40 PVC casing.
1330	1630	2.00	Run 294' of 2" steel tremie inside
			casing. Attach pressure grouting head.
1630	1730	1.00	Wait for cement to harden.
1730	1800	0.50	Open valve. No pressure, Pull tremie
			back to 126'. Reattach pressure
			grouting head to secure well.
			Materials used:
			Gel - 14 bags
			Cement - 60 (47#) bags

Total paid Time:	10 1/2 hrs.	Non-Paid Time:	Ø	Accidents	Ø
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
11	Jerry Mallams Tim Lohner	Mo 03-15-04	02-16-04	11

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc SS-15 II	Steve Griffith Brandon, Lonnie	355'	cementing casing	326'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME	
Withlacoochee River Transect site #2	Water level monitor /	Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0800	0830	0.50	Crew on site, Start equipment. Put ~~sight~~ sight tube on water truck.
0830	0930	1.00	Pressure up on casing @ 40 psi. Hold for 5 min. Release. Pull 2" tremie from well.
0930	1030	1.00	Run 1" steel tremie in annulus between 10" and 6" casings. Tag cement @ 272', Pull back one 21' joint.
1030	1100	0.50	Prepare to cement @ 252'
1100	1200	1.00	Mix and pump cement @ 252', Mix and pump 300 gal. cement slurry w/ 2% bentonite. Used 52 (47#) bags cement.
1200	1500	3.00	Pull 8 joints of 1" tremie from annulus. Run 2" steel tremie inside well. Tag cement @ 294' Circulate water inside casing from 290' to Land Surface. Wait on cement to harden.
1500	1600	1.00	Dump 1½ cu. ft. of small river rock. Run 1" steel tremie in annulus between 10" and 6" casings. Tag @ 268'.
1600	1700	1.00	Mix and pump 300 gal cement slurry w/ 2% bentonite. Used 60 (47#) bags cement.
1700	1900	2.00	Pull 1" tremie from annulus. Circulate water inside casing from 270' to Land surface. Fuel equipment, Secure Site, Exchange paperwork.

Total paid Time:	11 hrs.	Non-Paid Time:	0	Accidents	0
District Representative	Tim Lohner			Contractor Representative	Steve Griffith

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Materials used:
Gel - 1 bag
Cement - 112 (47#) bags.

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
12	Jerry Mallams Tim Lohner	Tu 03-16-04	02-16-04	12

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer's Assoc. 55-15H	Steve Griffith Brandon, Lonnie	355'	cementing casing	326'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME	
Withlacoochee River Transect site #2	Water Level monitor	/ Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0730	0830	1.00	Run 1" steel in annulus, Tag cement @ 165' Dump one cu. ft. of small river rock, Tag @ 162', Pull one joint of tremie, Prepare to cement.
0830	0930	1.00	Mix and pump 200 gal cement slurry w/ 2% bentonite, Used 40 (47#) bags cement, Pump @ 147'.
0930	1330	4.00	Pull 1" tremie from annulus, Clean up cement, Circulate water inside casing from 270' to Land Surface, Unload 3-30' 4 3/4" Drill collars w/ 3 1/2 IF conn, Wait on cement to harden,
1330	1400	0.50	Run 1" steel tremie in annulus, Tag cement @ 112', Pull back to 99'.
1400	1500	1.00	Mix and pump 300 gal cement slurry w/ 2% bentonite, Used 54 (47#) bags cement, Pump @ 99'.
1500	1700	2.00	Pull tremie from annulus, Circulate water inside casing from 270', Wait on cement,
1700	1730	0.50	Fuel equipment, secure site, Exchange Reports,
			materials used: Gel - 1 bag cement - 94 (47#) bags

Total paid Time:	10 hr.	Non-Paid Time:	0	Accidents	0
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
13	Jerry Mallams Tim Lohner	We 03-17-04	02-16-04	13

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc. SS-15II	Steve Griffith Brandon, Lonnie	355'	30'	356'

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
	Withlacoochee River Transect site #2		Water level monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0800	0900	1.00	Pull 270' of 2" tremie from inside 6" casing.
0900	1000	1.00	Tag cement @ 66', Pour 9 bags holeplug in
			annulus, Tag @ 40'.
1000	1030	0.50	Cut off 6" casing one foot ALS. Add 6"
			Tee to top of casing, to enable induction of
			water for reverse air if neccessary.
1030	1200	1.50	Run 5 7/8" bit in hole to 294'.
1200	1300	1.00	Drill out cement from 294' to 326'.
1300	1530	2.50	Drill 5 7/8" hole from 326' to 356', Drill on
			water, Some fluid loss. ~~Circulate~~ TDL
1530	1600	0.50	Circulate on bottom.
1600	1630	0.50	Pull bit into casing.
1630	1700	0.50	Mix and pump 100 gal. cement slurry w/2%
			bentonite. Used 22 (47#) bags cement,
			returns @ surface
1700	1730	0.50	Clean up cement.
1730	1800	0.50	Secure site, Fuel equipment, Exchange Reports.
			Materials used:
			Holeplug - 9 bags
			Cement - 22 (47#) bags

Total paid Time:	10 hrs.	Non-Paid Time:	Ø	Accidents	Ø
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry Mallams	Th		
14	Tim Lohner	03-18-04	02-16-04	14

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
	Steve Griffith			
Toomer & Assoc, 55-15#	Brandon, Lonnie			356'

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
Withlacoochee River Transect Site #2		Water level monitor	/ Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0800	1000	2.00	Crew on site. Set up for reverse air.
1000	1100	1.00	Rig down mud system. Move same to site #1.
1100	1130	0.50	Attempt to start reverse air. Air line inside Kelly is Leaking.
1130	to End	of day	Rig Repair; Replace air line inside Kelly.

Total paid Time:	3½ hrs.	Non-Paid Time:	0	Accidents	0
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
15	Jerry Mallams / Tim Lohner	Fri, 03-19-04	02-16-04	15

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer's Assoc, 55-15 II	Steve Griffith / Brandon, Lonnie			356'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect site #1	water level monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0730	0930	2.00	Rig Repair; Finish installing new 1/2" air line in Kelly.
0930	1430	5.00	Develope well from 326' to 356'. Pull bentonite colored water from well. Maded three passes through formation on reverse air. Water clean. Pull up 20'.
1430	1500	0.50	Run specific capacity test. Static = 29.90' dd = 36.25' GPM = 38* Specific Capacity = 6 gpm/pft
1500	1530	0.50	Fuel equipment, Secure site, exchange reports.

Total paid Time:	6 hrs.	Non-Paid Time:	2 hrs.	Accidents	Ø
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry Mallams	Mo		
16	Tim Lohner	03-22-04	02-16-04	16

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
	Steve Griffith			
Toomers Assoc. SS-15 II	Brandon, Lonnie			326'

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME		
	Withlacoochee River Transect site # 2		Water level monitor	Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0730	0830	1.00	Crew on site, Trip in hole 30' to bottom,
			Reverse air on bottom for 15 min, Pull
			bit up to 60',
0830	0930	1.00	Direct air develope @ 60', Air lift and
			surge well, Coloration of water and
			fine cuttings from well.
0930	1000	0.50	Trip bit to 140',
1000	1100	1.00	Direct air develope @ 140', Coloration of
			water and fine cuttings from well,
			Air lift and surge until clean,
1100	1130	0.50	Trip to bottom of hole,
1130	1145	0.25	Reverse air develope, Hole clean,
1145	1245	1.00	Trip out of hole,
1245	1330	0.75	Prepare to Mob,
Total	6 hr,		

Total paid Time:	5 1/4 hr	Non-Paid Time:	0	Accidents	0
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE Tu	DATE MOVED ON-SITE	NO. DAYS ON-SITE
01	Carol Kraft, Tim Lohner	12/30/03	12/30/03	01

RIG NO./NAME CONTRACTOR	CREW James Hinst	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Universal	Rhett, J. C.	well = 12'	well = 12'	well = 12'

ROMP SITE NAME/ NUMBER	Withlacoochee River #2 (LWR2)	WELL TYPE/NAME	Surficial / water level

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
1100	1130	0.50	Travel from LWR1 to LWR2.
			set up on surficial hole.
1130	1230	1.00	Install 6" surficial well (PVC)
			Total depth of well = 12'
			Riser Interval = 3' ALS to 4' BLS
			Screen Interval (0.010 slot) = 4' BLS to 12' BLS
			16 (50#) bags 20/30 sand = 3' BLS to 12' BLS
			¼ bucket hole plug = 2.5' BLS to 3' BLS
			3 (47#) bags cement = LS to 2.5' BLS
1230	1300	0.50	Lunch
1300	1330	0.50	Install well cover and pad
			Develope Well: Flush w/ 54 gal. water
			Dry well.

Total paid Time:	∅	Non-Paid Time:	∅	Accidents	∅
District Represntative	Tim Lohner			Contractor Representative	

33.00-100 (09/99)

APPENDIX C

1 1/2 - #5 Bit - 7 tools

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

698629.01 Permit

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
1	Jerry Mallens	4-1-04	4-1-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toumer	Terry + Jamie Helper	80'		

ROMP SITE NAME/ NUMBER	Withlacoochee LWR3	WELL TYPE/NAME	Shallow Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
10:00	12:00		SET-UP Cable Rig on site
12:00			Change rope socket to larger tools
			Unloaded 10" STL Casing
3:30			10" Casing Blanking
			Drove 17' 10" STL BLS
4:40			End of Day
			USED 1 1/2 bag crumbles

Total paid Time:	0	Non-Paid Time:	0	Accidents	0
District Represntative	[signature]			Contractor Representative	[signature]

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
2	(the Main) Jerry Mallers	4/2/04	4/1/04	

RIG NO./NAME CONTRACTOR	CREW Terry ?	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
		80'		

ROMP SITE NAME/ NUMBER	CWR3	WELL TYPE/NAME	Shallow Upper FL.

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
8:15	10.22		Crew on Site
			Drive 10' 2' ft
			Cleaned hole to 30' b/s
			Clutches + Belts slipping -
			Going to shop to get replacements

Total paid Time:		Non-Paid Time:		Accidents	
District Represntative				Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
3	Terry Lloyd Johnson	Mon 4-5-04	4-1-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS -	DEPTH
Tramco	Terry Lonnie & Lonnie jr.	80		40'BLS

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee R-3	upper shallow Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
	8:45		crew on site
8:45	9:30	3/4	pulled all cable off & respooled cable
9:30	11:30	2	drilling out hole & boiling hole
11:30	12	1/2	rig motor trouble
12	1		set 2nd joint 10" steel 0 21' 2 21' 2" = 42' 2"
1	2	1	drive steel to 40' BLS
2	5:45	3 3/4	bail out casing set 3rd joint on and 1 weld 21' 1". Drive to 60'BLS 63'2"
			55' to 57 very very soft
			57 to 60 med hard

Total paid Time:	0	Non-Paid Time:	0	Accidents	0
District Represntative	Lloyd Johnson jr.			Contractor Representative	Terry Lackins

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
4				
TUESDAY		4/6/04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
TOOMER	TERRY &			91'

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
W-3	LWR3	~~DEEP~~ SHALLOW/UPPER	FLORIDAN

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	1430		DRILLED 10" BOREHOLE W/ CABLE TOOL 60'-91'. BAILED WELL, SECURED SITE.

Total paid Time:		Non-Paid Time:		Accidents	
District Represntative				Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
5	Jerry Mallems	4-7-04		
		4-7-04	4-1-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer	TERRY	355'	60' csg BLS	60'

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
	LWR3 DEEP FL		shallow flow Deep Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
8:00			Crew Arrive on site - Set up Rig
			Level + Drive 21.1" STL 10" CSG
			Kevin logged 1st well - Some fill in Bottom 3 1/2' approx
2:00	2:08		Start driving 2nd PC 10" STL CSG
2:25	3:40		Setting up next pc STL csg
3:40	3:55		Start driving 3rd PC 10" STL CSG 60 bls
~~4:00~~			much harder driving
4:00			Crew leaving site

Total paid Time:		Non-Paid Time:		Accidents	
District Represntative	Kevin Stone			Contractor Representative	Terry Perkins

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
6	Jerry Mallens	4-8-04	4-1-04	

RIG NO./NAME CONTRACTOR	CREW Terry	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer		355'		

ROMP SITE NAME/ NUMBER	Withlacoochee Forest	WELL TYPE/NAME	LWR3 Deep UF Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
			Bailed out well to ~~70~~ 70' bls - drilled to ~~77~~ 70 bls
12:00	12:50		setting up to weld 4th pc 10" STC Sg. 81 bls
12:50	1:00		Start Driving Csg - Csg stopped at 73'
			Work Stopped Due to Bad Weather
1:30	2:30		Driller cutting off 10" STC at 3' AGS to drill out well - Drilled to Approx 75'

Total paid Time:		Non-Paid Time:		Accidents	0
District Represntative	Kevin J. Stover			Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
FRIDAY 7		4/9/04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
TOOMER	TERRY & TOM			84'

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
	IW-3 LWR3		Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	1000		DROVE 10" steel 74'-84'.
1000	1400		DRILL 10" BORE HOLE 84'-105'.
1400	1600		Welded & Drove 10" TO 102 1/2

Total paid Time:		Non-Paid Time		Accidents	
District Represntative	Lisa Rolle			Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
8				
SATURDAY		4/10/04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
TOOMER	Terry & Tom			105'

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
W-3	LWR-3		Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	1500		DRILLING OUT 10" CASING TO 145'.

Total paid Time:		Non-Paid Time:		Accidents	
District Represntative				Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
9	Jerry Mallens	4-12-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer	Terry-?			

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
Withlacoochee #3			Upper Dasp Fl.

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
			Rained out

Total paid Time:		Non-Paid Time:		Accidents	
District Represntative				Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE Sunday	DATE MOVED ON-SITE	NO. DAYS ON-SITE
10	Jerry Mallems	4-11-04	4-1-04	

RIG NO./NAME CONTRACTOR	CREW Terry - Brandon	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Tuner		355'		

ROMP SITE NAME/ NUMBER	Withlacoochee LWR3	WELL TYPE/NAME	Deep Upper FL-

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
7AM - 12 NOON	No District Rep on site		
	Driller drilled 20' - 150-170' + collected cuttings		

Total paid Time:		Non-Paid Time:		Accidents	
District Represntative	N/A			Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
11	Jerry Mallers	Mon 4-12-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toumer	Jerry			

ROMP SITE NAME/ NUMBER	Withlacoochee Forest CW23	WELL TYPE/NAME	

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
			Rain out DAY

Total paid Time:		Non-Paid Time:		Accidents	
District Represntative				Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
12	Jenny Mallens	4-13-04	4-1-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer	Jenny/Brandon	355'		

ROMP SITE NAME/ NUMBER	WITL LWR3	WELL TYPE/NAME	Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
			CREW on site
			Start drilling
1200			Collected sample @ not - Bailer too
			late to collect sample -
			Drilled More hole - Still could. + collect
			cuttings for 170'-180' interval
12:15			Shut down Rig - Driller headed to shop
			to make heavier Bailer.
			STILL need to collect 170-180' interval
			on next bailing
4:00			Returned w/ Bailer - Bailer worn out
			would not collect cuttings
4:25			End of day

Total paid Time:		Non-Paid Time:		Accidents	
District Represntative				Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
13	Jerry M. Lloyd J.	Wed 4-14-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer + Assoc.	Terry Lonnie Jr.	355'	0	166' BLS

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee LWR3	Deep upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
9	9:30		2 man crew, gas up rig & grease rig.
9:30	12:30		poured 2 SX Bentinite chips down well. Then went in w/ bit start mixing. Bailed out, no cuttings no mud, just slight color of tan to the water. Went in 3 times nothing. Bit comes out clean as new no sign of limestone or Bentinite chips. Measured Bit assemble twice to be sure of depth. 166' BLS, 168' Top of 10" steel. Went back in well w/ Bit, drilled 40 min. Noticed some thing wrong. Pulled up jars busted in half, left bit & assemble in well.

Total paid Time:	0	Non-Paid Time:	0	Accidents	0
District Represntative	Lloyd H Johnson Jr.			Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
14	Terry M Lloyd J.	Thurs 4-15-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc	Terry Brandon, Bart	355'	0	166' BLS

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
Withlacoochee Transect R3			Deep upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
	8 Am		LHJ on site
10	1		Terry & Brandon, Glen & Bill Toomer ran camera in well. Saw busted tool at 148' Blow Top of 10" steel. Discussed well & fishing tools. Crew headed to there compound to start building Tools

Total paid Time:	0	Non-Paid Time:	0	Accidents	0
District Represntative	Lloyd H Johnson			Contractor Representative	[signature]

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
15	Jerry M Lloyd Johnson	Fri 4-16-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Thomas & Sons	Glen Thomas & Bart	355'	0	166' BLS

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee Transect R3	Cable Tool

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
		7 AM	call from Glen Jerry not in today. Will be little late, still working on tools.
9:30	11		3 men Glen, Thomas & Bart, T.I.H w/ 10 ft over & MJR & DR's. Tag steel several times, can't seem to get it to kick into run overshot over steel.
11	12:45		wait on Bill Toomer to show up w/ a camera again.
12:45	2:30		T.I.H w/ camera.
2:30	3:00		T.O.H w/ camera & modify overshot
3	5:15		T.I.H w/ overshot & DR's
5:15	5:30		T.O.H w/ all DR's & overshot nothing. no luck

Total paid Time:	0	Non-Paid Time:	0	Accidents	
District Represntative	Lloyd H Johnson			Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
LT16	Terry M. Lloyd. Johnson Tim LOHNER	Tues 4-20-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Layne-Atlantic	Terry Thomas	355'	14'	180'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
W. Tohopekaliga R 3	Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
9	11:30		2 men on site Glen came by site. Rig up tools to start drilling. 170' BLS
11:30	4		con't drilling + bailing well. 180'

Total paid Time:	0	Non-Paid Time:	0	Accidents	0
District Represntative	LHJ			Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
16 17	Jerry Mallams Tim Lohner	We 04-21-04	03-22-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomey & Assoc. Cable tool	Terry Tom	355'	10'	190'

ROMP SITE NAME/ NUMBER	Withlacoochee River Transect site # 3	WELL TYPE/NAME	Water level / Deep Upper Floridan monitor

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS Cable tool
0800	1030	2.50	Drill 6" hole from 180' to 190'
1030	1400	3.50	Rig repair: Cable on drilling winch backlashed. Work to untangle and rewind.
1400	1430	0.50	Lunch
1430	1600	1.50	Run bit back in hole, Tag fill @ 172', Clean out fill from 172' to 187'.

Total paid Time:	Ø	Non-Paid Time:	Ø	Accidents	Ø
District Represntative	Tim Lohner			Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
18	Jerry Mallems	Mon 5-10-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer	Terry - Mike	355'		

ROMP SITE NAME/ NUMBER	Withlacoochee LWR3	WELL TYPE/NAME	Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
		-	left site to get Gas for welder
9am?			
			Drilled to 195' w/ 5" B.I.T
			Pulled out of hole + installed 10" B.I.T
			Collected Sample 190-200 w/ 5" B.I.T
			Finished @ 190' w/ 16" B.I.T
	4:10		End of Day

Total paid Time:		Non-Paid Time:	0	Accidents	
District Represntative				Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
19	Terry Mallams	Tu 05-11-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer's Assoc. Cable Tool	Terry, Tom	355'		

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect Site #X3 FDL	Water level monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS — Cable tool
			Ream 6" hole to 10" hole to 193',
			Drill bit stuck
			Use bumper to try and move bit,
			bumper cut drill line into,
			Went to shop and got 8" overshot,
			Caught drill stem,
			Bit still lodged in hole.
			Plan to rebuild bumper @ shop
			and return tomorrow.

Total paid Time:	—	Non-Paid Time:	—	Accidents	0
District Represntative	Tim Shaw			Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
20	Jerry Mallams	5-12-04	4-1-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Boomer	Terry-Tom	355'		

ROMP SITE NAME/ NUMBER	Withlacoochee LWR3	WELL TYPE/NAME	Deep Upper Fl.

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
10:24			Crew on site
			setting up to load PVC to pump soap
			to loosen Rock around tools ?
			worked fishing tool + drilling tools up
			& down to loosen
12:45			tools out of hole - fishing successfull
			Will Re-set Rig STRAIGHT OVER WELL
			Re-do Rope SOCKET and video log well
1:45		crew	left to look for socket material
4:15			Crew returned + prepare new rope
			socket, level rig + get ready
			to drill tomorrow

Total paid Time:		Non-Paid Time:		Accidents	
District Represntative				Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
21	JL Mallams	5/13/04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Ass.	Terry plus 1 (Thomas)	355		

ROMP SITE NAME/ NUMBER	Withlacoochee TR-LWR3	WELL TYPE/NAME	Deep UFA

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
	0830		Arrived on-site rig centered. Terry plus 1 on-site
0830	0845	0.25 hr	Bailed out well twice. Mostly water w/ a few large rocks, minor fines/cuttings. Lowered tools down hole. Marked cable every 5'. (Tools ~23', lowered to a TD of 145???).
0845			2 sessions @ 145' bls to try to round the square portion of hole. Drilled deeper (where previously stuck?). Removed a ~7' piece of ½" flat steel from bailer - prob. like that from the yard...
	09:30	0.75 hr	Finished re-conditioning the hole
09:30			Drilled to 200' bls (+~5'; 1045 end); Drilled to 205' bls (Samples 200-210 (1145 end); Drilled to ~ 207' bls stopped to get plugs, oil,
	12:00	2.5 hr	lunch (1200) - Did not bail...;
1315	1330	0.25 hr	Back on-site, changing plugs.
1330			Drilled for a while. Engine still not running
	1400	0.5 hr	properly. Having difficulty while lifting tools.
1400	1500	1.0 hr	worked on rig
1500			Drilled to 210' bls (1600); Drilled to 213 (1630 - Sampled
	16:30	1.5 hr	210-220); Left site @ 16:30.
16:30	???	unk hr	Plan to Drill to 215 and quit for the day.

Total paid Time:	N/A	Non-Paid Time:	N/A	Accidents	none
District Represntative	Jerry L. Mallams 5/13/04			Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
22	Jerry Mallams	5-14-04	4-1-04	

RIG NO./NAME CONTRACTOR	CREW Jerry - Fritz	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Foumer				

ROMP SITE NAME/ NUMBER	Withlacoochee LWR3	WELL TYPE/NAME	Deep Upper FL

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
			Cable rig motor not running
			Replacing distributor -
			no drilling today

Total paid Time:		Non-Paid Time:		Accidents	
District Represntative				Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Mallams	Mon 5-17-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
cable tool Tourney	Terry - Fritz	355'	40'	255'

ROMP SITE NAME/ NUMBER	Withlacoochee LWR3	WELL TYPE/NAME	Deep Upper FA

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
8:30			Crew on site
			Baled out hole @ 215'
			Drilling on hard rock
10:45			Collected cutting @ 225'
			continued to bail out hole
11:15			Pulling out bit to add more buttons on Bottom
			Adjusted Clutches for bailer tool
1:10			Drill bit back in hole w/new buttons
			welded on -
1:45			Baled out well @ 227'
2:20	Drilled to 235		Collected sample interval -230-240
2:30	3:30	1	Drilled 240-250 collect sample
3:30	4:30	1	Drilled 250'-255' + bail out also had rig trouble

Total paid Time:		Non-Paid Time:		Accidents	
District Represntative	Kevin Storey & Lloyd Johnson			Contractor Representative	Terry Perkins

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Terry M Lloyd Johnson	Tue 5-18-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Cable Tool Toomer	Terry Fritz	355'	30'	285'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee LWR 3	Deep upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
	8:30		Crew on site, work on rig
9	11:15		start drilling Tag bottom at 250'
			clean out to 255' BLS,
			drill 255' to 265'
NPT 11:15	11:45		working on rig
11:45	2:30		drill 265' to 275' BLS
2:30	3:30		drill 275 to 285' BLS

Total paid Time:	0	Non-Paid Time:	0	Accidents	
District Represntative	Lloyd H Johnson Jr.			Contractor Representative	Terry Perkins

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry M Lloyd Johnson	Wed 5-19-04		

Cable Tool

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer	Terry Fritz	355'	0	285'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee LWR 3	Dep upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
	8:45		Crew on site 2 men load trailer
8:45	9:15		
9:15	11		Crew was working on rig again.
	11		Left site (crew went into Town get parts
	2		get call from Terry. Not on site this afternoon

Total paid Time:	0	Non-Paid Time:	0	Accidents	0
District Represntative	Lloyd H Johnson			Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Terry M Lloyd Johnson	Thurs 5-20-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
cable tool Toomes	Terry Fritz	355'	8'	293'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee LWR3	Deep upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
	8:15		Crew on site 2 men working on rig
8:15	9		
9 AM	11		tag bottom at 275' BLS caved in about 10 ft. Cleaned out to 285' BLS. Hole having trouble. Terry says rocks falling in hole. worked to 285' again Terry says he needs to set more steel. problem at 173' B/ top of casing.
11	2		Poured 350 gal of water down casing to run camera. ran 350 gal as running camera down well. hole very crooked, several ledges.
2	5:15		Back in hole start drilling again, drill 285' to 293' BLS

Total paid Time:	0	Non-Paid Time:	0	Accidents	0
District Represntative	Lloyd H Johnson			Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry M Lloyd Johnson	Fri 5-21-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer	Terry Fritz	355'	14'	307' BLS

cable tool

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee LWR 3	Deep upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
	8:15		Crew on site
8:15	8:45		fuel up rig + grease
8:45	3:45		tag bottom at 293' no fall in
			drilled 293' to 307' BLS.

Total paid Time:	0	Non-Paid Time:	0	Accidents	0
District Represntative	Lloyd H Johnson Jr.			Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE Mon	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry	5/24/04	4-1-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer	Terry - Fritz	355'		

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
9:10			crew on site
			Greased rig - jumped battery
9:20			@ 308' Starting to drill
10:30			@ 310' Bailed out well
10:50			unwrapped cable from around spool (Bailer cable)
11:12			Started bailing out well again
12:10			Collected sample 315' BT of csg
			Drilled out hole - hard dolomite
3:00			at 320' - 325' Collected Sample @ 325'
4:40			crew left site

Total paid Time:		Non-Paid Time:		Accidents	
District Represntative				Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Mallams	5-25-04	4-1-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer	Terry	355'		

ROMP SITE NAME/ NUMBER	With LWR3	WELL TYPE/NAME	Deep Upper Fl

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
9:30			Crew on site
			Drilling to 335'
10:40			Bailed hole + collected Sample
			Started drilling to 340'
12:30			Bailed out mud to 340'
			drilled to 345
			Bailed well to 345
	4:10		drilled to 350'
			2 stands of cable a drill stem
		4:15	Broken - will cut off tomorrow
			and Re-do Socket -

Total paid Time:		Non-Paid Time:		Accidents	
District Represntative				Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE Wed	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Mallams	5-26-04	4-1-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer	Terry - Fritz	355'		

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	Deep Upper 4

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
			Crew pulled off drill cable to
			bad sector - cut cable + re-built
			rope socket - ran + got fuel for
			rig
12:40			Starting back in well with bit
			Adjusting cable to use portion of spool
			Start back drilling. @347'
			Bailing out hole
			Drill + Bail
	4:20		Hit some sand @ 353' will have to TD hole
			+ caliper for formation packers tomorrow
	4:50		leave site

Total paid Time:		Non-Paid Time:		Accidents	
District Represntative				Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	MAllamo	5-27-04	4-1-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer	Terry - Fritz - Lonnie	355'		

ROMP SITE NAME/ NUMBER	With LWR3	WELL TYPE/NAME	Deep UF, Shallow UF.

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
10:30			Start logging Deep UF well
10:45			crew on site + preparing packers + strainers
12:50	3:55		Starting in well with PVC - will set packers at 320' + 318' csg to 322
	Aft		Clean Site

Total paid Time:		Non-Paid Time:		Accidents	
District Represntative				Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	MAllams	Fri 5/28/04	4-1-04	

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer	Terry-Fritz-Chris			

ROMP SITE NAME/ NUMBER	WITH LWRS	WELL TYPE/NAME	Shallow Deep UF FI

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
9:45			Crew on site
			Resetting Rig over shallow FI to set 6" PVC
12:			placed 8x14 (split) on bottom of CSG 62'
12:00			going in hole w/ CSG 6" PVC in
			Poured 4 bags hole plug in Deep H
			" 2 bags " " " Shallow H
			Deep H came up 6' in annulus
			Shallow H came up 4' in annulus
1:45			Crew preparing site for weekend + removing
			cable tool mount & items not needed
			on site.

Total paid Time:		Non-Paid Time:		Accidents	
District Represntative				Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry Mallams Tim Lohner	Tu 6-1-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc.	Glenn Caldwell Lonnie SR., Chris			353'

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
Withlacoochee River Transect site #3			Deep & Shallow Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
1030	1130	1,00	Crew on site, Tag hole plug in Deep Upper Floridan @ 312' and 58' in Shallow Upper Floridan, Both tags were in the annulus between the 10" and 6" casings, Run submersible pump in Shallow Upper Floridan for water supply, Prepare to cement,
1130	1230	1,00	Mix and pump 35 gal. cement slurry in Shallow Upper Floridan using 3 (94#) bags cement w/ 2% bentonite, And 60 gal. cement slurry in Deep Upper Floridan using 5 (94#) bags cement w/ 2% bentonite, Pull tremie from ~~well~~ annulus,
1230	1330	1,00	Clean up cement, Unload cement bags from support truck, Pull pump from Shallow Upper Floridan, Cover wells,
			Cement Used – 8 bags

Total paid Time:	—	Non-Paid Time:	—	Accidents	Ø
District Representative	Tim Lohner			Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry Mallams Tim Lohner	We 6-2-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc	Steve Griffith Anthony			

ROMP SITE NAME/ NUMBER	Withlacoochee River Transect site # 3	WELL TYPE/NAME	Shallow and Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
1100	1200	1,00	Crew on site. Tag cement @ 40' in Shallow Upper Floridan. Tag @ 312' in Deep Upper Floridan. Both tags were in annulus between 10" and 6" casings. Run submersible in Shallow Upper Floridan for water supply. Prepare to cement.
1200	1300	1,00	Mix and pump 90 gal. cement slurry in annulus between 10" and 6" casing of Shallow Upper Floridan. Returns @ surface. Used 7(94#) bags cement w/ 2% bentonite. Pull tremie.
1300	1330	0,50	Run Tag line inside 6" casing of Deep Upper Floridan to see if cement had passed packer. Tag bottom @ 350'.
1330	1500	1,50	Dump 4½ bags hole plug in annulus between 10" and 6" casings. Wait to hydrate. Tag hole plug @ 308'.
1500	1600	1,00	Mix and pump 60 gal. cement slurry in annulus between 10" and 6" casings of Deep Upper Floridan using 5(94#) bags cement w/ 2% bentonite. Pull tremie up 60'. Pump water through tremie. Clean up cement. Pull water supply pump. Cover wells, secure site.

Total paid Time:	—	Non-Paid Time:	—	Accidents	0
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

Cement used - 12 bags

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry Mallams Tim Lohner	Th 6-3-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer's Assc.	Steve Griffith Lonnie Jr.			

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
Withlacoochee River Transect site #3		Water level monitor /	Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
1000	1100	1.00	Tag cement between 10" and 6" casings in Deep Upper Floridan @ 303½',
1100	1200	1.00	Mix and pump 360 gal. cement slurry using 28 (94#) bags cement w/ 2% bentonite,
1200	1230	0.50	Pull tremie up 160', Pump water through tremie, Clean up cement, Pull submersible pump from Shallow Upper Floridan, Secure site, cover wells,
			cement used – 28 bags

Total paid Time:	—	Non-Paid Time:	——	Accidents	0
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry Mallams Tim Lohner	FR 6-4-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc.	Fritz, Lonnie JR. Joe			

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME		
	Withlacoochee River Transect site #3		Water level monitor /	Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0830	0930	1.00	Tag cement @ 250', Dump 5 buckets hole plug. Wait for hole plug to hydrate
0930	1000	0.50	Well development: Run specific capacity test. Static water level 42.8 to top of casing, Drawdown 43.5 to top of casing. GPM 25 gal.
			Shallow Upper Floridan
1000	1200	2.00	Tag top of hole plug @ 242', Prepare to cement. 2" suction hose for diaphram pump colapsed in the middle. Unable to mix cement. Crew left site to get another hose. returned @ 1200 hrs.
1200	1230	0.50	Set up to cement.
1230	1330	1.00	Mix and pump 180 gal. cement slurry using 14 (94#) bags of cement with 2% bentonite.
1330	1400	0.50	Pull tremie up 80'. Clean up cement.
1400	1430	0.50	Pull submersible pump from Shallow Upper Floridan. Cover Wells. Secure site.
			cement used - 14 bags
			well development - 1/2 hr.
			(Shallow Upper Floridan)

Total paid Time:	1/2 HR.	Non-Paid Time:	—	Accidents	Ø
District Represntative	Tim Lohner			Contractor Representative	Fritz Rubner

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE Mo	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry Mallams / Tim Lohner	6-7-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc,	Fritz, David J.B.			

ROMP SITE NAME/ NUMBER	Withlacoochee River Transect site #3	WELL TYPE/NAME	Water level monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0915	1000	0.75	Crew on site with 3 cyds of #89 Limestone Tag cement @ 216', Lower submersible pump in Shallow Upper Floridan for water supply, Prepare to cement.
1000	1100	1.00	Mix and pump 180 gal, cement slurry using 14 (94#) bags of cement with 2% bentonite,
1100	1430	3.50	Wait for cement to harden.
1430	1600	1.50	Tag cement @ 173', Pour 3 cyds of #89 Limestone and 11 buckets of hole plug in annulus between 10" and 6" casings. Tag @ 164', Will return tomorrow with 2 cyds of rock,
			Cement used - 14 (94#) bags
			#89 Limestone - 3 cyds

Total paid Time:	—	Non-Paid Time:	—	Accidents	0
District Represntative	Tim Lohner			Contractor Representative	Fritz Rubner

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry Mallams Tim Lohner	Tu 6-8-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer's Assoc	Fritz, David J. B.			

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
Withlacoochee River Transect site #3			Water level monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0830	1030	2.00	Crew on site with 2 cyds of #89 Limestone, Tag top of rock @ 164'. Pour 2 cyds of #89 Limestone and 7 buckets on hole plug in annulus between 10" and 6" casings. Tag @ 153'.
1030	1230	2.00	Left site for more rock and hole plug. Return with one cyd of #89 Limestone and 12 bags of hole plug.
1230	1330	1.00	Pour one cyds of #89 Limestone in annulus, Tag @ 152', Add 8 bags of hole plug, Tag @ 148'.
1330	1430	1.00	Mix and pump 180gal. cement slurry using 7 (94#) bags cement with 2% bentonite.
1430	1545	0.75	Pull tremie up 70', Clean up cement, Pull submersible pump from well, cover wells, Secure site.
			Cement used- 14 bags #89 Limestone - 3 cyds.

Total paid Time:	—	Non-Paid Time:	—	Accidents	
District Represntative	Tim Lohner			Contractor Representative	Fritz Rubner

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry Mallams	We		
	Tim Lohner	6-9-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer's Assoc.	Fritz, J, B, David			

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect site #3	Water level monitor / Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0800	1030	2.50	Tag cement @ 152', Lost 4', Pour 8 bags of hole plug in annulus between 10" and 6" casings. Tag @ 146', Replace fuse in Welder (generator for water supply pump). Lower pump in Shallow Upper Floridan. Fuel air compressor.
1030	1200	1.50	Mix and pump 180 gal cement slurry using 14 (94#) bags cement with 2% bentonite. Pull tremie up 70'. Clean up cement.
1200	1500	3.00	Wait on cement to harden.
1500	1600	1.00	Tag cement @ 139', Pour 12 bags of hole plug in annulus. Tag @ 126', Prepare to cement.
1600	1715	1.25	Mix and pump 180 gal. cement slurry using 14 (94#) bags cement with 2% bentonite.
1715	1800	0.75	Pull tremie from annulus. Clean up cement. Pull water supply pump. Cover wells. Secure site.
			cement used - 28 bags

Total paid Time:	—	Non-Paid Time:	—	Accidents	Ø
District Represntative	Tim Lohner			Contractor Representative	Fritz Rubner

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Mallams	6-10-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Towner	Fritz, J.B.			

ROMP SITE NAME/ NUMBER	Withkoochee LWR3	WELL TYPE/NAME	Deep Up Fl

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
8:10			Crew on site
			Set pump in sh. up Fl well for Wtr Supply
			Mixed 1 bag mud + pumped in
			Deep Fl at 105' - well tagged at
			App 105-107' bls before pumping mud
9:00	9:30		mixed 7 bag cmt (94#) w/ mud
			+ pumped in at 105' -
			when attempting to pump cleaning water from
			shallow well - it started pumping cement
			color - stopped
			Attempting to run 1" PVC in well to
			develop any cmt out - Thin wall Pipe
			Kinked - Coupling come loose - Bad pipe
10:45			will attempt again to lower PVC in well
11:00			Start developing well w/ compressor - Failed
			would it develop -
			Ran sub
12:45	1315	0.50	Filled Annulus of Deep Fl well w/ water + held
			cmt up in csg (10" STL)
1315	1415	1.00	Start mixing cmt 180 gal cement slurry
			using 14 (94#) bags cement w/ 2% bentonite
1415	1530	1.25	Clean up cement, Pull pump from well,
			Clean up site,

Total paid Time:	—	Non-Paid Time:	—	Accidents	Ø
District Represntative	[signature]			Contractor Representative	Fritz Rulner

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cement used - 21 bags,

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry Mallams Tim Lohner	FR 6-11-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer's Assoc.	Fritz Lonnie Jr.			

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME	
Withlacoochee River Transect site #1		

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	1200	5.00	Clean up site, Level site w/ backhoe
			Dig around wells w/ backhoe, Take
			backhoe & trash to site #1.

Total paid Time:		Non-Paid Time:		Accidents	0
District Represntative	Tim Lohner			Contractor Representative	

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Terry M. Lloyd J.	Tues 6-22-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer + Assoc.	Glen Tom + Chris			

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee # 3	

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
NPT 10	11:30	1½	set rig up
11:30	2:30	3	Tag bottom w/ 2 in steel pipe at 330' BLS, work down to 332' BLS w/ R/A
2:30	3:30	1	T.O.H w/ 2" steel from deep well.
NPT 3:30	4	½	
		6	hrs Total
		-2	hrs Non paid Time
		4 hrs pd Time	

Total paid Time:	4 hrs	Non-Paid Time:	2 hrs	Accidents	
District Represntative	Lloyd H Johnson Jr.			Contractor Representative	Glen

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry M. Lloyd Johnson	Wed 6-23-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomes & Dorr	Tom Chris			

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee #3	upper dep Floridan.

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
			upper Dep
NPT 9:00	9:15	1/4	can't set rig up.
9:15	10	3/4	T.I.H w/ 2in steel. Tag at 72'BLS. PVC sealer cap fell in well.
			T.O.H w/ 2 in steel.
NPT 10	10:30	1/2	run cable tool in well & worked it. 73' to 87'BLS pull it out.
10:30	12:15	1 3/4	T.I.H w/ 2in steel to 87'BLS. Try R/A plug off. try several times plug off. Tag hole 68'BLS hole filled in.
12:15	1:30	1 1/4	R/A hole then T.O.H
NPT 1:30	4	2 1/2	using cable tool then bailing out hole w/ 2 1/2" bailer. Tag 82'BLS
		1	
		1 hrs total	
		3 1/4	Non Paid time
		3 3/4	Paid time
		☆	Tag Dep lower well PVC line 335'BLS steel wt counter 333'BLS

Total paid Time:	3 3/4	Non-Paid Time:	3 1/4	Accidents	
District Represntative	Lloyd N Johnson			Contractor Representative	

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry M. Lloyd J.	Thurs 6-24-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Tomlinson	Glen Chris			

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee #3	upper dep Fl.

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
	9 AM		Dep lower Fl, water level 37.3' BLS
NPT ID	10:15	1/4	fuel up rig
Bailing 10:15	11:15	1	run in w/ bailer tag bottom at 80' BLS about 2' from yesterday tag. change from 2½" bailer to 5 in bailer, start bailing hole.
			Lower dep Fla well level -38.6' Top of PVC 10:22 AM
			4 Bailers level -43.4' Top PVC
			-40.0' " " 10:37 AM
			-39.0' " " 10:47
			-38.6 " " 11:05
R/A 11:15	1:15	2	T.I.H w/ 2" steel start R/A. Keep plugging off. Tag bottom at 74'/75' BLS. Glen decicded to shut down. Back tomorrow w/ 3" steel w/ 1 in PVC, T.O.H w/ all 2" steel.
		1/4	Non paid time
		1	# Bailing
		2	# R/A
		3 1/4	Total hrs.

Total paid Time:	3	Non-Paid Time:	1/4	Accidents	0
District Represntative	Lloyd H Johnson			Contractor Representative	

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry M. Lloyd Johnson	Fri 6-25-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer+Assoc	Glen Tom			

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee	upper dup Fl.

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
	8		Crew on site
Bailing # 8	9	1	Run in well w/ tool to 74' BLS
R/A # 9	12:30	3½	T.I.H w/ 3in steel + 1in PVC air line 85'/86' BLS
		4½	total hrs
		1 hr	Bailing #
		3½	R/A #

Total paid Time:	4½	Non-Paid Time:	0	Accidents	
District Represntative	Lloyd H Johnson Jr.			Contractor Representative	

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry Mallams Tim Lohner	Mo DA YR 6-28-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc.	Tom, Raymond			

ROMP SITE NAME/ NUMBER	Withlacoochee River Transect site#3	WELL TYPE/NAME	Shallow Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS Cable Tool
0930	1115	1.75	Change Drill stem, bit and Bailer, Now using 5" drill bit and 4" Bailer,
1115	1330	2.25	Start Cleaning out hole with bit and bailer, Clean hole to 88'.
1330	1400	0.50	Lunch
1400	1615	2.25	Lay down drill stem, bit and bailer, Run 84' of 3" steel pipe and 80' of 3/4" airline, Develope well from 75' to 84', Add 21' joint of pipe and 7' of air line, Develope well from 84' to 88' (bottom of hole), Pull 3" pipe and air line from hole,
1615	1630	0.25	Secure site.
			clean out - 2.25 hrs.
			well development - 2.25 hrs.

Total paid Time:		Non-Paid Time:	2 hrs.	Accidents	0
District Represntative	Tim Lohner			Contractor Representative	

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry Mallams Tim Lohker	Tu 6-29-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc.	Tom, Chris Raymond			

ROMP SITE NAME/ NUMBER	Withlacoochee River Transect site #3	WELL TYPE/NAME	

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0830	1200	3.50	Lower mast on cable tool Rig, Move Rig from hole, Fill annulus on Deep Upper Floridan with cement (1½ bags) from 8' BLS to 2' BLS, Level site, Fill annulus on Shallow Upper Floridan with cement (½ bag) from 2' BLS to Land Surface, Install well cover and 3'x3'x4" concrete pad, Finish loading supplies and equipment,
			Begin Demob @ 1200 hrs,
			cement used - 2 bags

Total paid Time:	———	Non-Paid Time:	———	Accidents	Ø
District Represntative	Tim Lohker			Contractor Representative	[signature]

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry Mallams Tim Lohmer	Tu 7-13-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc	Steve Griffith Lonnie, Brandon			393'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect site #3	Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0900	0945	0.75	Crew on site with Rotary drilling Rig.
			Set up on Deep Upper Floridan.
0945	1030	0.75	Dig mud pit, Mix 2 bags of Quick-gel.
			Make up 5 7/8" bit on drill pipe.
1030	1200	1.50	Run bit in hole to 330' (Top of cement)
1200	1500	3.00	Drill 5 7/8" hole from 330' to 393'.
1500	1545	0.75	Pull bit back into casing @ 310'.
1545	1600	0.25	Secure site.

Total paid Time:	—	Non-Paid Time:	—	Accidents	
District Represntative	Tim Lohmer			Contractor Representative	Steve Griffith

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry Mallams Tim Lohner	We 7-14-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc.	Steve Griffith Lonnie, Chris			393'

ROMP SITE NAME/ NUMBER	Withlacoochee River Transect site #3	WELL TYPE/NAME	Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS Rig - SS135
0930	1030	1.00	Trip bit to bottom of hole,
1030	1230	2.00	Well Development: Direct air develope with bit @ 260',
1230	1340		Pull out of hole.
1340	1445		Run caliper Log, Logging tool stopped @ 388'.
1445	1715	2.50	Well Development: Run 2" steel pipe in hole to 388', Run 220' of ½ PVC air line inside 2" pipe (1¼ hr.). Tag fill @ 388', Begin reverse air development, Pipe plugged numerous times, Will unplug Pipe tomorrow,
1715	1730	0.25	Secure site,
			Rig on site not set up for reverse air.
			Well Development - 4½ hrs.

Total paid Time:	↑	Non-Paid Time:	—	Accidents	0
District Representative	Tim Lohner			Contractor Representative	Steve Griffith

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry Mallams Tim Lohner	Th 7-15-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc.	Steve Griffith Lonnie, Roger			393'

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
	With a Coochee River Transect site # 3		Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0900	1030	1.50	Work to unplug 2" air lift system,
1030	1600	5.50	Well Development: Reverse air lift through 2" steel pipe with 220' of ½" PVC air line, From 375' to 390', Air line plugged numerous times when bottom of steel pipe was @ 387' and below, Eventually able to lower pipe to 390', but pipe would always plug with cutting, With air turned off could lower pipe to 389'.
	1715		
1600	~~1515~~	1.25	Pipe plugged, Unable to remove obstruction, Work to unplug pipe.
DSH 1715	~~1515~~ 1730		
	~~1530~~	0.25	Secure site.
			Well development – 5½ hrs.

Total paid Time:		Non-Paid Time:	—	Accidents	Ø
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry Mallams Tim Lohner	FR 7-16-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc.	Steve Griffith Lonnie, Roger			393'

ROMP SITE NAME/ NUMBER	Withlacoochee River Transect site#3	WELL TYPE/NAME	Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0830	0930	1,00	Pull 2" steel pipe from hole
0930	1100	1,50	Make up 3 formation packers on 3' section of 4" PVC pipe, Measure 3" PVC casing and 2" steel pipe,
1100	1300	2,00	Run 98' of 3" PVC pipe on top of 3' section of 4" PVC pipe with packer, Run 264' of 2" steel pipe on top of 3" Liner,
1300	1600	3,00	Casing stopped moving down hole @ 351', Work casing to 352', Unable to move packers to 365'. Crew called Bill Toomer, They decided to keep trying to move casing down hole,
1600	1630	0,50	Run 1" PVC tremie inside 2" steel pipe and 3" casing, 1" stopped @ 357', Pull 1" PVC from inside pipe.
1630	1645	0,25	Secure site,

Total paid Time:	—	Non-Paid Time:	—	Accidents	
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry Mallams Tim Lohner	Sa 7-17-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc,	Steve Griffith Roger, Brandon			393'

ROMP SITE NAME/ NUMBER	Withlacoochee River Transect site #3	WELL TYPE/NAME	Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0900	1030	1,50	Pull 2" steel pipe and 3" Liner from well. Recover everything but on formation packer,
1030	1100	0,50	Pick up one 20' x 5½" stabilizer, make up 5⅞" bit on bottom of stabilizer,
1100	1200	1,00	Trip in hole, Tag bottom of hole @ 387½', Possibly packer shoved to bottom of hole,
1200	1230	0,50	Pull up one joint of pipe, Secure site,

Total paid Time:	—	Non-Paid Time:	—	Accidents	
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry Mallams Tim Lohnee	Tu 7-20-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer & Assoc,	Steve Griffith Lonnie, Brandon			393

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
	Withlacoochee River Trausect site #3		Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
1100	1200	1.00	Crew arrived with SS-15II drilling Rig. Pull drill pipe from well.
1200	1500	3.00	Move SS-135 drilling Rig from site, Bring in SS-15II (reverse air capable) Drilling Rig. Set up Rig on well.
1500	1600	1.00	Run drill pipe in hole to 300'. Stop for the day because slips did not fit some of the drill pipe.
1600	1615	0.25	Secure site.

Total paid Time:	—	Non-Paid Time:	—	Accidents	
District Represntative	Tim Lohnee			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry McAdams Tim Lohner	We 7-21-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer's Assoc	Steve Griffith Lonnie, Brandon			394'

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
	Withlacoochee River Transect site #3		Deep Upper Floridan

MILITARY TIME LOG FROM	MILITARY TIME LOG TO	ELAPSED TIME	DETAILS OF OPERATIONS Drill Rig - SS 15 II
1000	1030	0.50	Trouble starting rig. Rig started.
1030	1100	0.50	Trim slips to fit drill pipe.
1100	1130	0.50	Trip in hole with 5 7/8" bit from 300' to 330'.
1130	1400	2.50	Ream hole from 330' to 394'.
1400	1430	0.50	Bill Toomer on site. He had crew direct air lift from 382' to 394' to clean the hole.
1430	1530	1.00	Pull off one 20' joint of drill pipe. Set up for reverse air.
1530	1715	1.75	Clean hole from 360' to 394' by reverse air method.
1715	1730	0.25	Secure site.

Total paid Time:	—	Non-Paid Time:	—	Accidents	0
District Representative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry Mallams Tim Lohner	~~Tue~~ Th 7-22-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer's Assoc.	Steve Griffith Lonnie, Brandon			394'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Withlacoochee River Transect site #3	Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS Drill Rig - SS15II
0800	1000	2.00	Pull bit up 60'. Trip back to bottom @ 394'. Hole is clean. Pull out of hole.
1000	1100	1.00	Run ~~caliper~~ caliper Log. Depth of hole 394'.
1100	1300	2.00	Make up 3 formation packers on 4' piece of 4" casing (PVC). Run packers and 98' of 3" PVC casing in hole. Run 261' of 2" steel pipe on top of Liner. Bottom of 3" casing @ 363'. 3 formation packers from 360' to 362'.
1300	1400	1.00	Attempt to run 1" PVC tremie past back-off @ 261'. Would not go.
1400	1545	1.75	Crew left site to get 1/2" PVC to use as tag line.
1545	1600	0.25	Crew returned. Glue together 1/2" PVC. Will use for tag line.
1600	1900	3.00	Tag top packer @ 361'. Add one bucket 3/8" coated bentonite pellets. Tag @ 357'. Add 3 buckets. Tag @ 354'. Add ~~10 of 34~~ buckets. Tag @ 350'. Add 2 buckets. Tag @ 344'.
1900	1915	0.25	Secure site.

Total paid Time:	—	Non-Paid Time:	—	Accidents	
District Represntative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry Mallams Tim Lohner	Fr, 7-23-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomer's Assoc,	Steve Griffith Lonnie, Brandon			394'

ROMP SITE NAME/ NUMBER	Withlacoochee River Transect site #3	WELL TYPE/NAME	Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS Drill Rig - SS 15 II
0830	0915	0.75	Tag hole plug @ 344'. Do Calculations, Prepare to cement,
0915	1000	0.75	Mix and pump 45 gal. cement slurry using 8 (47#) bags cement w/ 2% bentonite,
1000	1300	3.00	Wait on cement to Harden,
1300	1330	0.50	Tag cement @ 331',
1330	1645	3.25	Add 21 Buckets of 3/8" coated bentonite pellets, Tag top of pellets @ 275',
1645	1715	0.50	Cement using one (47#) bag of cement, Placed cement by pouring through tremie placed @ 265'.
1715	1730	0.25	Secure site,

Total paid Time:	—	Non-Paid Time:	—	Accidents	—
District Representative	Tim Lohner			Contractor Representative	Steve Griffith

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
	Jerry Mallams Tim Lohner	Mo 7-26-04		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Toomey & Assoc.	Steve Griffith Glenn, Roger, Lonnie			394'

ROMP SITE NAME/ NUMBER	Withlacoochee River Transect Site #3	WELL TYPE/NAME	Deep Upper Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0900	0945	0.75	Tag top of cement @ 267', Back off from Liner, Lay down 2 joints of 2" steel pipe,
0945	1030	0.75	Well Development; Direct air through 2" pipe @ 225', Bentonite hole plug came out three different times while developing well. Stopped while water clean;
1030	1130	1.00	Pull 2" steel pipe from well.
1130	1145	0.25	Lower mast. Pull Rig from well.
1145	1230	0.75	Specific Capacity Test! Lower submersible pump in well to 60', Pump well for 30 min; Static water level – 39.42' TOC drawdown " – 53.33' TOC Gallons Per Minute – 32 Small amount of dolomite fines in discharge water.
1230	1530	3.00	Clean up site. Load materials, Install well cover and pad, Demob Rig and pipe,
			well development – 3/4 hrs, pump test – 3/4 hrs;

Total paid Time:		Non-Paid Time:	—	Accidents	Ø
District Representative	Tim Lohner			Contractor Representative	Steve Griffith

33.00-100 (09/99)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	NO. DAYS ON-SITE
1	Jerry Mallams	5/19/05	5/19/05	1

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
Diversified	Kevin, Justin, Mark, John	25'	OK	25'

ROMP SITE NAME/ NUMBER	LWR3	WELL TYPE/NAME	Surficial

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
9AM	9:20	—	~~Meet Diversified crew~~ @ I-75 + Dirt Rd leading into with. Forest
9:20	10:00		use DIST. tilt winch + contractor supplied mats to get Rig on well site
10:00	10:25		setting up to split spoon to Rock
10.25	11:30		Split spoon to 37.5' bls - mix cement + abandon split spoon hole. 5 bg cmt
1:30	12:20		Preparing for hollowstem augering of surficial well Hollowstem down to 25' bls - max depth - augers hit Rock + could not advance.
12:20	2:45		Contractor realized they had wrong pipe thread on flush csg - had to call shop to deliver correct csg, more cmt, casing protector + hole plug.
2.45	4:15		set 10'-.010. PVC 6" screen + 15' blank sand packed screen interval up to 13' bls placed 1 bg hole plug for sand pack cap - mixed 5 bg cement + finished well to LS. set 8" DIA well head protector + 2x2x4" concrete slab - Poured Approx. 150 gal wtr into well for development - All OK.
4:15	4:35		Used DIST winch + Truck mats to get Rig off site.

Total paid Time:	4	Non-Paid Time:	4	Accidents	4
District Represntative	Kevin Stu			Contractor Representative	

33.00-100 (09/99)

APPENDIX D

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON SITE	
		2-14-03		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	Earl GEORGE TRAVIS			

ROMP SITE NAME/ NUMBER	Withlacoochee #4	WELL TYPE/NAME	Surficial

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700			dump gel in back lot get water truck fueled and full of water get two new batteries from Jame
			For 909 mob to Sarasota
			set rig mob to Withlacoochee site #1
			Set up Rig Auger 10" Set 6' of screen
			7' of blank total 13' of 6" PVC
			move rig over start Augering.
			Auger 20' Secure Site and well
	800		Mob to Tampa office

Total paid Times:	13	Non-Paid Times:	—	Accidents:	—
District Representative:	Earl Young			Contractor Representative:	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON SITE	
		2-15-03		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	Earl TRAVIS			50

ROMP SITE NAME/ NUMBER	WITHLACOOCHEE #4	WELL TYPE/NAME	UPPER FLORIDAN

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700			load more 6" Fuel 1015 mob to Site, TRAVIS CALL And Said Someone Stole Our Cement & Gel
			moved A/C
			Range from Forestry Div. Came up And made Report he called Ag Lan Enforcement he made Report Also
			Had to go See where we can get water located At fire Station
			mob to Bville to get more Gel
			mob back to Site
			Started to drill with 9 5/8 bit drilled to 50' Set 6" PVC @ 50' pressure grouted PVC Secure Site took Pipe wrenchs with me took Blue Trailor to Ranger house for the Night
			mob to TAMPA office
	8:30		out

Total paid Time:	13.5	Non-Paid Time:	—	Accidents:	—
District Representative:	Earl Travis			Contractor Representative:	

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ONSITE	
		2-17-03		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	Earl George Travis			

ROMP SITE NAME/ NUMBER	Withlacoochee 4 #	WELL TYPE/NAME	Lower Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700			Talk with Eric About withlacoochee Site theft mob to Davenport site get bitts Trimmig And drill pipe the mob to Barnes to get DIC Supplies 16" & 6" mob to withlacoochee site unload Supplies mob back to Tampa with WCG trailor
	1600		out 600

Total paid Time:	11	Non-Paid Time:	—	Accidents:	—
District Representative:	Earl Young			Contractor Representative:	

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON SITE	
		2-18-03		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	Earl George TRAVIS	300'		

ROMP SITE NAME/ NUMBER	WITHLACOOCHEE 4	WELL TYPE/NAME	Lower Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700			mob to Site go to Range house get
			Rig. And other Eqt had to Reset
			up Everything. Fence Co Set up
			Fence around Site Rig up Set up
			mix mud Secure Site mob
	5		to TAMPA office out 5pm

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
	Jim Clayton	2-19-02		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	Earl, George, TRAVIS	300'	21"/14½" Bit Set PVC Casing	40'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
Groom Withlacoochee/Site 4	Deep ~~Lower~~ Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	800	1	Mob to withlacoochee Site 1#
			Start drilling with 21" hole opener
			to 20'.
	1200	4	Set 16" PVC to 20' / Trimmie Grout 3 bags
1200	1230		Lunch
1230			MOVE Supplies off Blue Trailor
			Top off cement 50 gals.
			Trip 14½ bit in, mix mud
			wait, then start drilling. Drilled
			to 40' mix mud get Lost Circulation
	18:30		Secure site and well
1830	19:30		Mob to Tampa office, out

Total paid Time:	12	Non-Paid Time:	—	Accidents:	—
District Representative:	Earl Young			Contractor Representative:	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON SITE	
	Jim Clayton	2-20-03		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	Earl George TRAVIS	300'	Set 60' of 10"	60'

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
Croom/withlacoochee	Site 4#	Deep ~~Lower~~ Floridan	

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0730	.5	Get 2" holes, fuel 1015
730	0830	1	Mob to Croom/withlacoochee Site 1#
930			mix gel Start drilling from 40'
			drilled to 60' Pump thick mud
			down upper Floridan Well
			Pump thick gel in to hole trip out
			biff trip in 10" PVC ~~Pressure~~ Grout
			10" with 300gal of Cement
			~~Secure~~ Site.
			Mob to Saddlewood Site Check it
			out See if it was Complete Well cover
			Croom Looks Good
	1730		Mob to TAMPA Office/out

Total paid Time:	10-5	Non-Paid Time:	—	Accidents:	—
District Representative:	Earl Travis			Contractor Representative:	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON SITE	
	Tim Clayton	2-21-03		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	Earl George Travis	300'	70'	130'

ROMP SITE NAME/ NUMBER	Croom / with Lacoochee site 4	WELL TYPE/NAME	Deep Lower Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Mob to Site TAG Cement @ 72'
800			down Mix Cement Top Well of to
			Surface.
			Cutt of header Trip in 9 7/8 bitt
			mix mud drilled to 130'
	1830		Secure Site and hole
1830	1930	1	Mob to Tampa office out

Total paid Time:	12.5	Non-Paid Time:	—	Accidents	—
District Representative	Earl Young			Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
	Jim Clayton	2-22-03		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	Earl George Travis	300'	70'	200'

ROMP SITE NAME/ NUMBER	Croom/withlacoochee site 4#	WELL TYPE/NAME	~~Lower~~ Deep Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Mob to Croom/withlacoochee site 1#
0800			Mix mud Start back drilling from 130'
			had to prepare wilden pump.
			George went to Davenport @ 700 Am
			to get parts Repair pump drill to
			200'
	1800	10	Secure site and hole
1800	1900	1	Mob to Tampa office out

Total paid Time:	12	Non-Paid Time:	—	Accidents	—
District Represntative	Earl Young			Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG/CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON SITE	
	Jim Clayton	2-23-03		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CMT	Earl George Travis	300'	30'	230

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
Broom	Withlacoochee 4	Deep	Lower Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700	0800	1	Mob to Site
0800			mix mud Start drilling from 200'
			drilled to 230' wilden on Goose
	1300	5	brake
1300	1400	1	Mob to TAmpA office to see if
			Big Red is there it wasnt clock out

Total paid Time:	7	Non-Paid Time:	—	Accidents:	—
District Representative:	Earl Young			Contractor Representative:	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
	Jim Clayton	2-24-03		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	Earl George Travis	300'	Trip hole	230'

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
CRoom/withLacoochee 4			Deep ~~Outer~~ Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700			Fuel 125 mob to Romp 43 got
			Big Red mob to CRoom/withLacoochee
			1st Site Couldnt get Big Red on site
			getting stuck Stored Big Red @ Rangers
			house TRIP out of hole
	1700		Secure site And hole
1800	1800		mob to Tampa office out

Total paid Time:	11	Non-Paid Time:	—	Accidents:	—
District Representative:	Earl Travis			Contractor Representative:	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
	Jim Crayton	2-25-03		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	Earl George TRAVIS	300	33'	263'

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	
W. THLACOOCHEE #4		Deep ~~Lower~~ Floridan	

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700			Fuel 1015, Meet with Barton OPS Crew, Give them MAP to Site so they CAN bring dozer to move Big Red on Site
			mob to W. THLACOOCHEE Site 1st
			Get Big Red on Site Dump it up
			M.A Mud. drill with 5 7/8 drill bit to 263'
			Secure Site mob to TAMPA office
	1700		Out

Total paid Time:	10	Non-Paid Time:	—	Accidents:	—
District Representative:	Earl Young			Contractor Representative:	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
	Jim Clayton	2-26-03		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	Earl George Tim	300'	33'	296'

ROMP SITE NAME/ NUMBER	Croom/Withlacoochee Site 4	WELL TYPE/NAME	~~Lower~~ Deep Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700			Fuel 1015 mob to Site
			Repair Big Red, Still not Pumping
			Right Start drilling from 263'
			drilled to 296' Took 10' Samples
			Jim Calls hole @ 296'
			Clean hole trip out Add Cuttings
			to back fill hole. ~~Trip~~
			Trip in 9 7/8 bitt Start Reming hole
			to 250' got to 240'
			Secure Hole And Site mob to Tampa
	1930		office Out

Total paid Time:	12	Non-Paid Time:	—	Accidents:	—
District Representative:	Earl Young			Contractor Representative:	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
	Jim Clayton	2-27-03		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	Earl George Bernie	300	Set 6" PVC	250'

ROMP SITE NAME/ NUMBER	WITH LACOOCHEE site 4 #	WELL TYPE/NAME	~~Lower~~ Deep Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700			Fill out paperwork theft Report
			Phone bill mob to Site
			Start drilling from 230 with 9 7/8
			bitt. drill to 250 Clean hole
			trip out Set 6" PVC to 250'
			Pressure Grout 300 gal Cement
			Secure Site mob to Tampa office
	1700		out

Total paid Time:	10	Non-Paid Time:	—	Accidents:	—
District Representative:	Earl Young			Contractor Representative:	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
	Jim Crayton	2-25-03		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CMT	Earl George TRAVIS	300	33'	263'

ROMP SITE NAME/ NUMBER		WELL TYPE/NAME	Deep Floridan
	Withlacoochee #4		

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700			Fuel 1015, Meet with Bartow OPS Crew, Give them MAP to Site so they CAN bring dozer to move Big Red on Site
			MOB to Withlacoochee Site #4
			Get Big Red on Site Dump it up M/A Mud. drill with 5 7/8 drill bit to 263'
			Secure Site MOB to TAmpa Office
	1700		Out

Total paid Time:	10	Non-Paid Time:	—	Accidents	—
District Representative:	Earl Young			Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
	Jim Clayton	2-26-03		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	Earl George Tim	300'	33'	296'

ROMP SITE NAME/ NUMBER	Croom/Withlacoochee Site 4	WELL TYPE/NAME	~~Lower~~ Deep Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700			Fuel 1015 mob to Site
			Repair Big Red, Still not Pumping
			Right Start drilling from 263'
			drilled to 296' took 10' Samples
			Jim Calls hole @ 296'
			Clean hole trip out Add Cuttings
			to back fill hole. ~~Trip~~
			Trip in 9 7/8 bitt Start Reming hole
			to 250' got to 240'
			Secure hole And Site mob to Tampa
	1930		office Out

Total paid Time:	12	Non-Paid Time:	—	Accidents:	—
District Represntative	Earl Young			Contractor Representative	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG/CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON SITE	
	Jim Clayton	2-27-03		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	Earl Goose Bernie	300	Set 6" PVC	250'

ROMP SITE NAME/ NUMBER	WELL TYPE/NAME
with LACOOCHEE SITE 4A	Deep ~~Cover~~ Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700			Fill out paperwork theft Report
			Phone bill mob to site
			Start drilling from 230 with 9 7/8 bit. drill to 250 Clean hole
			trip out Set 6" PVC to 250'
			Pressure Grout 500gal Cement
			Secure Site mob to Tampa office
	1700		out

Total paid Time:	10	Non-Paid Time:	—	Accidents:	—
District Representative:	Earl Young			Contractor Representative:	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
	Jim Clayton	2-28-03		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
CME	Earl George Travis Bennie	300	46' Dev	296'

ROMP SITE NAME/ NUMBER	Withlacoochee site 4	WELL TYPE/NAME	Deep ~~Lower~~ Floridan

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0700			Mob to Site
			Topp off Cement Trip in 5 7/8 bit
			drill to 296' Air develop well
			Start mob Eqt. to Tampa office
			Air Compressor / Goose, Bigred
			Rig Blue Trailer, Pull well cover
			on wells and make padds
			mob to Tampa office
	21:30		Out

Total paid Time:	14.5	Non-Paid Time:	—	Accidents:	—
District Represntative:	Earl Young			Contractor Representative:	—

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SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG-CORE REPORT

REPORT NO.	SITE HYDROGEOLOGIST	DATE	DATE MOVED ON-SITE	
		5-29-03		

RIG NO./NAME CONTRACTOR	CREW	PROPOSED TOTAL DEPTH	PROGRESS	DEPTH
	Earl TRAVIS			

ROMP SITE NAME/ NUMBER	WITHLACOOCHEE #4	WELL TYPE/NAME	

MILITARY TIME LOG FROM	TO	ELAPSED TIME	DETAILS OF OPERATIONS
0630			@ BUILL, TRAVIS AND I GO
			TO WITHLACOOCHEE SITE 4
			DEVELOP UPPER FLORIDAN WELL
			WITH AIR TO CLEAN.
	1630		THEN GO TO BUILL out @
			½ Lunch

Total paid Time:	9.5	Non-Paid Time:	✓	Accidents	✓
District Representative	Earl Young			Contractor Representative	✓

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