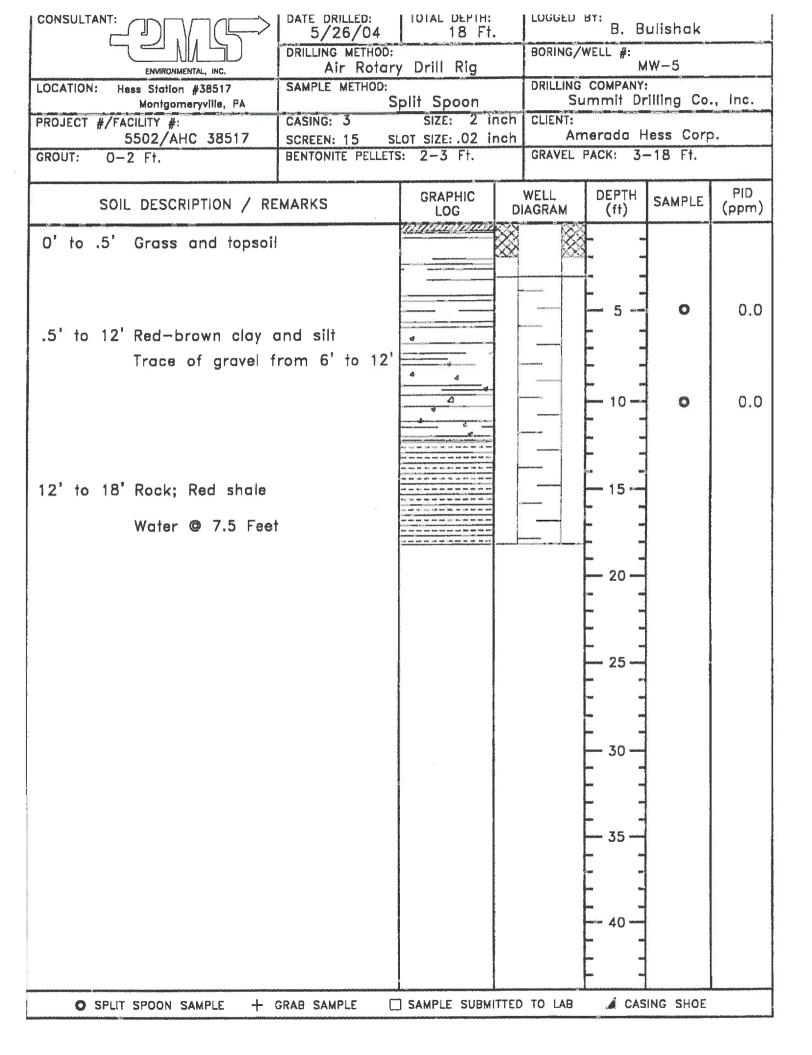
| PROJECT: Site ADDRESS: 749 | Charact | erization | | | | | | | |
|---------------------------------|------------|------------|---|--|--|--|--|--|--|
| Mo | | ville, PA | | 5 | | | | | |
| DRILLING CONT | | | GEOLOGIST: M.W | .Ketterer - GMH | | | | | |
| DRILLING METH SAMPLER: 2" Sp | | | WELL SCREEN: .0 | WELL CASING: PVC Schedule 40 flush thread WELL SCREEN: .020 slot WELL DIAMETER: 4° | | | | | |
| DEPTH (FT) | REC (%) | HNu ppm | DESCRIPTION OF LITHOLOGY | WELL CONSTRUCTION | | | | | |
| 0.0 - 0.33 | | | Asphalt | 0)Surface | | | | | |
| 0.33 - 4.0 | 5 | | Red silty soil with rock fragments | (0-5) }Bentonite ∇ seal(3-4) | | | | | |
| 4.0 - 6.0 | 30 | 1-2 | Moist, red, odorless silty sand with weathered rock fragments | 5 7 | | | | | |
| 6.0 - 8.0 | 25 | 3 | Moist, odorless, compact, weathered red shale | | | | | | |
| 8.0 - 11.0 | 30 | 1-2 | Relatively resistant red, odorless, fine grained sandstone and shale | 10 | | | | | |
| 11.0 - 15.0 | 30 | 2 | Relatively non-resistant, odorleas red shale | 15 | | | | | |
| 15.0 - 18.0 | 25 | 1 | Relatively resistant red, odorless, fine-grained sandstone and shale | 20 Number two | | | | | |
| 19.0 - 25.0 | | | Moist, odorless red shale with rock fragments | interval - quartz sand (4-40) | | | | | |
| | | | | 30 | | | | | |
| | | | | 35 | | | | | |
| 25.0 - 40.0 | | | Very moist, odorless red shale with rock fragments | | | | | | |
| | | | Sample collected from 5-8 FT. Groundwater not initially encountered. | 40 FT. | | | | | |

| ADDRESS: 74 M CLIENT: M DRILLING CONT | te Charac 9 Bethieh ontgomer erit Oil of TRACTOR | terization em Pike yville, PA PA, Inc. : B.L. My | Report BORING/WELL #: JOB#: 3650 18936 DATE: 9/21/ GEOLOGIST: M.W. ers Bros., Inc. | | | | | |
|---------------------------------------|--|--|--|--|--|--|--|--|
| DRILLING METH SAMPLER: 2" Sp | | | WELL CASING: PV WELL SCREEN: .02 WELL DIAMETER: | | | | | |
| DEPTH (FT) | % REC | HNu- ppm | DESCRIPTION OF UTHOLOGY | WELL CONSTRUCTION | | | | |
| 0.0 - 0.33 | | | Asphalt | ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ | | | | |
| 0.33 - 5.5 | 10 | 1 | Fill/weathered rock fragments | (0-3) 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | |
| 5.5 - 8.5 | 10 | 1-2 | Relatively incompatent, odorless red shale | screened interval (3-23) 15 (2-23) | | | | |
| 8.5 - 23.0 | | | Relatively competent red, odorless, fine-grained sandstone and shale | 20 23 FT. | | | | |
| | | | Sample not collected due to insufficient recovery. Groundwater initially encountered at approx. 5.5 FT. Gauged depth = 22.47 FT. | | | | | |

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| | | | INDIVIOUS WELL LOG: SEPTE | MDEN 21, 1999 | | | | |
|---|---|-------------------------------------|--|--|--|--|--|--|
| ADDRESS: 74 | ite Characteris Bethler Iontgome Ierit Oil of TRACTOR | nem Pike ryvlile, PA PA, Inc. | JOB#: 368 1 18936 DATE: 9/2 GEOLOGIST: M.V | · · · · · · · · · · · · · · · · · | | | | |
| DRILLING METI SAMPLER: 2" S | | | WELL SCREEN: . | WELL CASING: PVC Schedule 40 flush thread WELL SCREEN: .020 slot WELL DIAMETER: 4" | | | | |
| DEPTH (FT) | % REC | HNu- ppm | DESCRIPTION OF LITHOLOGY | WELL CONSTRUCTION | | | | |
| 0.0 ~ 0.33 0.33 - 5.5 5.5 - 7.5 7.5 - 23.0 | 30 | 6 | Asphalt Fill/ weathered red rock fragments Saturated, fine-grained red siltstone with slight odor Relatively competent, odorless, red, fine-grained sandstone and shale | V Selface Se | | | | |
| | | | Sample collected from 5.5 - 7.5 FT. Groundwater initially encountered at approx. 4.0 FT. Gauged depth = 21.98 FT. | .e. | | | | |

| | GHR E | SORIN | G/MONITORING WELL | LOG: SEPTE | MBER 21, 1995 | | | |
|---------------------------------|---|-----------------------------------|---|--|--|--|--|--|
| ADDRESS: 749 | e Charac Bethlehi ontgomer erit Oil of RACTOR | em Pike yville, PA PA, Inc. | 18936 | BORING/WELL #: MW-4 JOB#; 36508 DATE: 9/21/95 GEOLOGIST: M.W.Ketterer - GHR | | | | |
| DRILLING METH SAMPLER: 2" Sp | | | | WELL CASING: PVC Schedule 40 flush thread WELL SCREEN: .020 slot WELL DIAMETER: 4" | | | | |
| DEPTH (FT) | % REC | HNu- ppm | DESCRIPTION OF LITHOLOGY | Y WELL CONSTRUCTION | | | | |
| 0.0 - 0.33 | | | Asphalt | | 0 }surface | | | |
| 4.0:- 45.0 | | | Fill/ red weathered rock Red, odorless, fine-grai | .ned sandstone | Co-5 Sentonite Seal (3-4) Seal (3-4 | | | |
| | | | No sample collected due insuffic Groundwater not initiall Gauged depth = 39.14 FT. | ient recovery. y encountered. | £ | | | |



| CONSULTANT: | 5/26/04 | 55 Ft. | | ויייייייייייייייייייייייייייייייייייייי | в. В | ulishak | |
|--|----------------------|--|-------|---|--|------------------|---------------------|
| | DRILLING METHOD: | | | BORING/WELL #: MW-6 | | | |
| ENVIRONMENTAL, INC. | Air Rotary Drill Rig | | | (Installed in same boring as MW-7) DRILLING COMPANY: | | | |
| LOCATION: Hess Station #38517 Montgomeryville, PA | SAMPLE METHOD: | plit Spoon | | | | : rilling Co | Inc. |
| PROJECT #/FACILITY #: | CASING: 35 | SIZE: 2 in | nch | CLIENT: | W | | _ IIIIIIIIIIIIIIIII |
| 5502/AHC 38517 | | OT SIZE: .02 in | | | nerada H | less Corp | o. |
| GROUT: 0-1 Ft., 19-32 Ft. | BENTONITE PELLETS | 5: 1-2 Ft., Ft., 32-33 | Ft. | GRAVEL F | PACK: 2- | -18 Ft. 33-55 | Ft. |
| SOIL DESCRIPTION / R | EMARKS | GRAPHIC LOC | DIA | VELL AGRAM | DEPTH (ff) | SAMPLE | PID (ppm) |
| O' to .5' Grass and topso | l | | | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | gens. 60m | | |
| .5" to 6' Red—brown clay with a trace of | | | | 41 | | | 0.0 |
| 6' to 11' Light brown clay with a trace of | and silt | | | | 10 ~ | 0 | 0.0 |
| Willia Hadd of | gravor | The second secon | | | | 0 | 0.0 |
| | | The state of the s | | | 20 | 0 | 0.0 |
| | | The control of the co | | | 1000 0000 1000 0000 1000 0000 | | 0.0 |
| 11' to 55' Rock; Red shale | | The state of the s | | | 30 - | | 0.0 |
| Water @ 11.5 Fe | et | | | *************************************** | | 0 | 0.0 |
| | | 1.0 mm 100 mm 10 | | | 40 — | 0 | 0.0 |
| | | The state of the s | | | onder with | 0 | 0.0 |
| | | A STATE OF THE PROPERTY OF T | | | 50 - | | 0.0 |
| | | | | , , , , , , , , , , , , , , , , , , , | ····· · · · · · · · · · · · · · · · · | | |
| | | | | | 60 | | |
| | | | | | ······································ | | |
| | | | | | 70 — | | |
| | | | | | _ 80 _ | | |
| | | | | | W 400 | | |
| O SPLIT SPOON SAMPLE + | GRAB SAMPLE | SAMPLE SUBMI | ITTED | TO LAB | ∡ CAS | ING SHOE | |

| CUNSULIANI: | 5/26/04 | 13 Ft. | LUGGED | вт: | ulishak | |
|---|------------------------------------|---|---------------------------|--|---------------------|---|
| ENVIRONMENTAL, INC. | DRILLING METHOD: | y Drill Rig | | WELL #: N | W-7 ne boring as | s MW-6) |
| LOCATION: Hess Station #38517 | SAMPLE METHOD: | plit Spoon | DRILLING | COMPANY | : | |
| Montgomeryville, PA PROJECT #/FACILITY #: | CASING: 3 | CLIENT: | Summit Drilling Co., Inc. | | | |
| 5502/AHC 38517 GROUT: 0-1 Ft. | SCREEN: 10 SI BENTONITE PELLETS | OT SIZE: .02 inch | _ 1 | erada F PACK: 2 | less Corp |). |
| 0-1 FI. | BENTONITE FELLET | 3. - | J OKATEE I | HOIN. Z | -13 H. | |
| SOIL DESCRIPTION / RE | MARKS | Commence of the second | WELL DIAGRAM | DEPTH (ft) | SAMPLE | PID (ppm) |
| O' to .5' Grass and topsoil | | | | - | | |
| .5' to 6' Red—brown clay of with a trace of g | | 4 | | 5 | 0 | 0.0 |
| 6' to 11' Light brown clay with a trace of g | | | | one m | | nangana/((((()))) - a a a a a a a a a a a a a a a a a |
| 11' to 13' Rock; Red shale | | | 0 | 10 | 0 | 0.0 |
| Water © 11.5 Fee | | | | 15 | | |
| | | | | 25 cannot con 25 | | |
| | | | | 35 | | |
| SPLIT SPOON SAMPLE + C | GRAB SAMPLE [| SAMPLE SUBMITTE | D TO LAB | ∡ CAS | ING SHOE | |