

Sample Descriptions

Storage Units: Metric

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| 200.00 to 205.00 | 100% | SANDSTONE (5.00) off white, very light brown, translucent, slightly salt and pepper, very fine to lower medium grained, as above. |
| 205.00 to 210.00 | 100% | SANDSTONE (5.00) off white, very light brown, slightly salt and pepper, very fine to fine grained, silty in part, moderately well sorted, subangular, poorly consolidated, slightly clayey, quartz, trace carbonaceous, rare plant rms, trace dark lithic grains, rare light & dark chert grains, rare kaolin, rare disseminated pyrite, slightly argillaceous in part, poor to fair (8 to 12%) intergranular porosity. |
| 210.00 to 215.00 | 100% | SANDSTONE (5.00) off white, translucent, slightly salt and pepper, very fine to lower fine grained, silty in part, moderately well sorted, subangular, poorly consolidated, slightly clayey, quartz, trace to occasional carbonaceous, trace to occasional dark lithic grains, rare light & dark chert grains, trace kaolin, rare disseminated pyrite, rare fish scales, trace Siltstone & Shale stringers, fair to good (8 to 12%) intergranular porosity. |
| 215.00 to 220.00 | 100% | SANDSTONE (5.00) off white, translucent, slightly salt and pepper, very fine to lower fine grained, silty in part, as above. |
| 220.00 to 225.00 | 100% | SANDSTONE (5.00) off white, translucent, slightly salt and pepper, very fine to lower fine grained, silty in part, as above. |
| 225.00 to 230.00 | 100% | SANDSTONE (5.00) off white, translucent, very light brown, slightly salt and pepper, very fine to lower fine grained, silty in part, moderately well sorted, subangular, poorly consolidated, slightly clayey, quartz, trace to occasional carbonaceous, trace to occasional dark lithic grains, rare light & dark chert grains, trace kaolin, rare disseminated pyrite, rare fish scales, slightly argillaceous, trace Siltstone & Shale stringers, fair to good (8 to 12%) intergranular porosity. |
| 230.00 to 235.00 | 70% | SHALE (5.00) medium gray, light brown, subblocky, earthy, silty & sandy, trace carbonaceous, trace kaolin, grading to argillaceous Siltstone in part, slightly bentonitic, soft. |
| | 30% | SANDSTONE off white, very light brown, very slightly salt and pepper, silt to lower fine grained, moderately well sorted, subangular, poorly consolidated, clay cement, quartz, trace carbonaceous, argillaceous in part, rare dark lithic grains, rare light & dark chert grains, tight to poor (0 to 5%) intergranular porosity. |
| 235.00 to 240.00 | 70% | SHALE (5.00) medium brown gray, medium gray, subblocky, platy in part, earthy, silty & sandy in part, rare micro carbonaceous, rare disseminated pyrite, trace Siltstone & Sandstone lenses & stringers, soft to firm. |

Sample Descriptions

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| 235.00 to 240.00 | 20% | SANDSTONE off white, very light brown, very slightly salt and pepper, silt to very fine grained, moderately well sorted, subangular, poorly consolidated, clay cement, quartz, trace carbonaceous, argillaceous in part, rare dark lithic grains, rare light & dark chert grains, tight to poor (0 to 4%) intergranular porosity. |
| | 10% | SILTSTONE medium gray brown, sandy, well sorted, subangular, poorly consolidated, argillaceous, quartz, rare disseminated pyrite, rare to trace carbonaceous, tight. |
| 240.00 to 245.00 | 75% | SHALE medium brown gray, medium gray, subblocky, platy in part, as above. |
| | 15% | SANDSTONE off white, very light brown, very slightly salt and pepper, silt to very fine grained, as above. |
| | 10% | SILTSTONE medium gray brown, sandy, well sorted, subangular, as above. |
| 245.00 to 250.00 | 90% | SHALE light to medium gray brown, subblocky, platy in part, earthy, silty & sandy, rare micro carbonaceous, rare disseminated pyrite, trace Siltstone & Sandstone stringers & lenses, soft to firm. |
| | 5% | SILTSTONE medium gray brown, sandy, well sorted, subangular, as above. |
| | 5% | SANDSTONE off white, very light brown, very slightly salt and pepper, silt to very fine grained, as above. |
| 250.00 to 255.00 | 65% | SHALE medium gray, medium brown gray, subblocky, earthy, silty & sandy in part, trace micro carbonaceous, rare disseminated pyrite, rare kaolin, trace Siltstone & Sandstone stringers, soft to firm. |
| | 25% | SANDSTONE off white, light gray, light brown, slightly salt and pepper, silt to lower fine grained, moderately well sorted, subangular, poorly consolidated, argillaceous, moderately consolidated, slightly siliceous, quartz, trace carbonaceous, trace dark lithic grains, rare kaolin, rare disseminated pyrite, trace light & dark chert grains, tight to poor (0 to 5%) intergranular porosity. |
| | 10% | SILTSTONE light brown, sandy, well sorted, subangular, poorly consolidated, argillaceous, quartz, trace micro carbonaceous, tight. |

Sample Descriptions

Storage Units: Metric

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| 255.00 to 260.00 | 65% | SHALE medium gray, medium brown gray, subblocky, earthy, silty & sandy in part, trace micro carbonaceous, rare coal flakes, rare disseminated pyrite, rare kaolin, trace Siltstone & SANDSTONE stringers, grading to argillaceous Siltstone in part, soft to firm. |
| | 30% | SANDSTONE light to medium gray, off white in part, slightly salt and pepper, silt to lower fine grained, moderately well sorted, subangular, poorly consolidated, argillaceous, quartz, trace carbonaceous, trace light & dark chert grains, trace kaolin, rare coal flakes, rare disseminated pyrite, tight to poor (0 to 5%) intergranular porosity. |
| | 5% | SILTSTONE light brown, sandy, well sorted, subangular, as above. |
| 260.00 to 265.00 | 60% | SHALE medium gray, medium brown gray, subblocky, earthy, silty & sandy in part, trace micro carbonaceous, as above. |
| | 40% | SANDSTONE light to medium gray, off white in part, slightly salt and pepper, silt to lower fine grained, moderately well sorted, as above. |
| 265.00 to 270.00 | 80% | SHALE light to medium gray, light to medium brown gray, subblocky, slightly platy, earthy, silty & sandy, slightly bentonitic in part, rare micro carbonaceous, rare disseminated pyrite, light chert grains, trace light brown Mudstone, soft to firm. |
| | 20% | SANDSTONE light to medium gray, off white in part, slightly salt and pepper, silt to lower fine grained, moderately well sorted, as above. |
| 270.00 to 275.00 | 85% | SHALE light brown gray, subblocky, slightly platy, rhythmic, silty & sandy, slightly bentonitic in part, rare micro carbonaceous, rare light chert grains, trace light brown Mudstone grains, soft to firm. |
| | 15% | SANDSTONE light to medium gray, off white in part, slightly salt and pepper, silt to lower fine grained, moderately well sorted, as above. |
| 275.00 to 280.00 | 90% | SHALE light brown gray, subblocky, slightly platy, rhythmic, silty & sandy, as above. |
| | 10% | SANDSTONE light to medium gray, off white in part, slightly salt and pepper, silt to lower fine grained, moderately well sorted, subangular, poorly consolidated, argillaceous, quartz, trace carbonaceous, trace light & dark chert grains, trace kaolin, rare coal flakes, rare disseminated pyrite, tight to poor (0 to 5%) intergranular porosity. |

Sample Descriptions

Storage Units: Metric

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| 280.00 to 285.00 | 80% | SHALE light brown gray, subblocky, slightly platy, rtthy, silty & sandy, trace disseminated pyrite blebs, trace light brown Mudstone grains, as above. |
| | 20% | SILTSTONE light brown, sandy, well sorted, subangular, poorly consolidated, argillaceous, quartz, rare micro carbonaceous, rare kaolin, trace light & dark chert grains, rare fish scales, grading to argillaceous Siltstone in part, soft to firm. |
| 285.00 to 290.00 | 85% | SHALE light brown gray, subblocky, slightly platy, rtthy, silty & sandy, slightly bentonitic in part, rare micro carbonaceous, rare light chert grains, trace light brown Mudstone grains, soft to firm. |
| | 15% | SILTSTONE light brown, sandy, well sorted, subangular, poorly consolidated, argillaceous, as above. |
| 290.00 to 295.00 | 80% | SHALE light brown gray, subblocky, slightly platy, rtthy, as above. |
| | 20% | SILTSTONE light brown, sandy, well sorted, subangular, poorly consolidated, argillaceous, as above. |
| 295.00 to 300.00 | 85% | SHALE light brown gray, subblocky, slightly platy, rtthy, as above. |
| | 15% | SILTSTONE light brown, sandy, well sorted, subangular, poorly consolidated, argillaceous, quartz, rare micro carbonaceous, rare kaolin, trace light & dark chert grains, rare fish scales, grading to argillaceous Siltstone in part, soft to firm. |
| 300.00 to 305.00 | 90% | SHALE light to medium gray, subblocky, earthy, silty & sandy, trace carbonaceous to rare coal flakes, rare fish scales, rare light brown Mudstone grains, slightly bentonitic, soft to firm. |
| | 10% | SILTSTONE light brown, sandy, well sorted, subangular, poorly consolidated, argillaceous, as above. |
| 305.00 to 310.00 | 90% | SHALE light to medium gray, subblocky, earthy, silty & sandy, as above. |
| | 10% | SILTSTONE light brown, sandy, well sorted, subangular, poorly consolidated, argillaceous, as above. |
| 310.00 to 315.00 | 95% | SHALE light to medium gray, subblocky, earthy, silty & sandy, trace carbonaceous to rare coal flakes, rare fish scales, rare light brown Mudstone grains, slightly bentonitic, soft to firm. |

Sample Descriptions

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| 310.00 to 315.00 | 5% | SILTSTONE light brown, sandy, well sorted, subangular, poorly consolidated, argillaceous, quartz, rare micro carbonaceous, rare kaolin, trace light & dark chert grains, rare fish scales, grading to argillaceous Siltstone in part, soft to firm. |
| 315.00 to 320.00 | 95% | SHALE (5.00) light to medium gray, subblocky, earthy, as above. |
| | 5% | SILTSTONE light brown, sandy, well sorted, subangular, poorly consolidated, argillaceous, as above. |
| 320.00 to 325.00 | 100% | SHALE (5.00) medium to dark gray, medium gray brown, subblocky, earthy, silty & sandy, trace cab, rare light brown Mudstone grains, rare pyritic blebs, trace to occasional Sandstone stringers, soft to firm. |
| 325.00 to 330.00 | 100% | SHALE (5.00) light to medium gray brown, subblocky, earthy, silty & sandy, trace cab, rare light brown Mudstone grains, rare pyritic blebs, trace to occasional Sandstone stringers, soft to firm. |
| 330.00 to 335.00 | 70% | SANDSTONE (5.00) off white, light gray, light brown, slightly salt and pepper, silt to lower fine grained, moderately well sorted, subangular to subrounded, poorly consolidated, clay cement, quartz, trace to occasional carbonaceous to trace coal flakes, trace plant rms, trace light brown Mudstone grains, trace kaolin, rare disseminated pyrite, argillaceous in part, poor to fair (4 to 8%) intergranular porosity. |
| | 20% | SHALE medium gray brown, light to medium brown, subblocky, earthy, trace carbonaceous, rare kaolin, trace light chert grains, grading to argillaceous Siltstone in part, soft. |
| | 10% | SILTSTONE light to medium brown, sandy, well sorted, subangular, poorly consolidated, slightly bentonitic, quartz, trace carbonaceous, trace kaolin, rare disseminated pyrite, tight. |
| 335.00 to 340.00 | 60% | SANDSTONE (5.00) off white, light gray, light brown, slightly salt and pepper, silt to lower fine grained, moderately well sorted, subangular to subrounded, poorly consolidated, clay cement, quartz, occasional carbonaceous to trace coal flakes, trace plant rms, trace light brown Mudstone grains, trace kaolin, rare disseminated pyrite, argillaceous in part, poor to fair (4 to 8%) intergranular porosity. |
| | 35% | SHALE medium gray brown, light to medium brown, subblocky, as above. |

Sample Descriptions

Storage Units: Metric

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| 335.00 to 340.00 | 5% | SILTSTONE light to medium brown, sandy, well sorted, subangular, poorly consolidated, as above. |
| 340.00 to 345.00 | 60% | SHALE light gray brown, light brown subblocky, earthy, silty & sandy in part, trace carbonaceous to rare coal flakes, rare disseminated pyrite, rare kaolin, soft. |
| | 35% | SANDSTONE off white, light gray, light brown, slightly salt and pepper, silt to lower fine grained, moderately well sorted, as above. |
| | 5% | SILTSTONE light to medium brown, sandy, well sorted, subangular, poorly consolidated, as above. |
| 345.00 to 350.00 | 80% | SHALE light gray brown, light brown subblocky, earthy, silty & sandy in part, trace carbonaceous to trace coal flakes, rare disseminated pyrite, rare kaolin, trace Sandstone stringers, soft. |
| | 15% | SANDSTONE off white, light gray, light brown, slightly salt and pepper, silt to lower fine grained, moderately well sorted, as above. |
| | 5% | SILTSTONE light to medium brown, sandy, well sorted, subangular, poorly consolidated, as above. |
| 350.00 to 360.00 | 80% | SHALE light gray brown, light brown subblocky, earthy, as above. |
| | 10% | SILTSTONE light to medium brown, sandy, well sorted, subangular, poorly consolidated, slightly bentonitic, quartz, trace carbonaceous, trace kaolin, rare disseminated pyrite, tight. |
| | 10% | SANDSTONE off white, light gray, light brown, slightly salt and pepper, silt to lower fine grained, moderately well sorted, subangular to subrounded, poorly consolidated, clay cement, quartz, occasional carbonaceous to trace coal flakes, trace plant rms, trace light brown Mudstone grains, trace kaolin, rare disseminated pyrite, argillaceous in part, poor to fair (4 to 8%) intergranular porosity. |
| 360.00 to 365.00 | 100% | SHALE light to medium brown, light to medium gray brown, subblocky, earthy, silty & sandy, rare micro carbonaceous to rare coal flakes, trace light chert grains, trace Mudstone grains, rare pyritic filled microfractures, rare pyritic blebs, trace to occasional light brown Sandstone stringers, soft. |

Sample Descriptions

Storage Units: Metric

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|----------------------------|------|--|
| 365.00 to 370.00 (5.00) | 100% | SHALE light to medium brown, light to medium gray brown, subblocky, earthy, silty & sandy, rare micro carbonaceous to rare coal flakes, trace light chert grains, trace Mudstone grains, rare pyritic filled microfractures, rare pyritic blebs, trace to trace light brown Sandstone stringers, soft. |
| 370.00 to 375.00 (5.00) | 100% | SHALE light to medium brown, light to medium gray brown, subblocky, earthy, silty & sandy, as above. |
| 375.00 to 380.00 (5.00) | 100% | SHALE light to medium brown, light to medium gray brown, subblocky, earthy, as above. |
| 380.00 to 385.00 (5.00) | 100% | SHALE light to medium brown, light to medium gray brown, subblocky, earthy, silty & sandy, as above. |
| 385.00 to 390.00 (5.00) | 100% | SHALE light to medium brown, light to medium gray brown, subblocky, earthy, silty & sandy, rare micro carbonaceous to rare coal flakes, trace light chert grains, trace Mudstone grains, rare pyritic filled microfractures, rare pyritic blebs, trace to trace light brown Sandstone stringers, soft. |
| 390.00 to 395.00 (5.00) | 90% | SHALE medium gray, medium gray brown, subblocky, earthy, silty & sandy, rare micro carbonaceous, trace Mudstone grains, slightly bentonitic, very rare disseminated pyrite, trace Siltstone & Sandstone stringers, soft. |
| | 10% | SANDSTONE light gray, off white, slightly salt and pepper, silt to very fine grained, well sorted, subangular, poorly consolidated, atg, quartz, occasional carbonaceous, trace to occasional dark lithic grains, rare kaolin, very rare glauconite, tight to poor (0 to 5%) intergranular porosity. |
| 395.00 to 400.00 (5.00) | 95% | SHALE medium gray, medium gray brown, subblocky, earthy, silty & sandy, as above. |
| | 5% | SANDSTONE light gray, off white, slightly salt and pepper, silt to very fine grained, well sorted, as above. |
| 400.00 to 405.00 (5.00) | 100% | SHALE light to medium brown, light to medium gray brown, earthy, subblocky, earthy, very silty & sandy, rare micro carbonaceous, trace light chert grains, grading to argillaceous Siltstone & Sandstone, soft. |
| 405.00 to 410.00 (5.00) | 100% | SHALE light to medium brown, light to medium gray brown, earthy, as above. |
| 410.00 to 415.00 (5.00) | 90% | SHALE light to medium brown, light to medium gray brown, earthy, as above. |

Sample Descriptions

Storage Units: Metric

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| 410.00 to 415.00 (5.00) | 10% | SANDSTONE light brown, light gray, off white, slightly salt and pepper, silt to very fine grained, well sorted, subangular, poorly consolidated, atg, quartz, occasional carbonaceous, trace to occasional dark lithic grains, rare kaolin, very rare glauconite, tight to poor (0 to 5%) intergranular porosity. |
| 415.00 to 420.00 (5.00) | 100% | SHALE light to medium brown, subblocky, earthy, very silty & sandy, rare micro carbonaceous, trace disseminated pyrite blebs, occasional Siltstone & Sandstone stringers, soft. |
| 420.00 to 425.00 (5.00) | 100% | SHALE light to medium brown, subblocky, earthy, as above. |
| 425.00 to 430.00 (5.00) | 100% | SHALE light to medium brown, subblocky, earthy, very silty & sandy, as above. |
| 430.00 to 435.00 (5.00) | 100% | SHALE light to medium brown, light to medium gray brown, subblocky, earthy, very silty & sandy, rare to trace micro carbonaceous, rare disseminated pyrite blebs, rare to trace disseminated pyrite, trace kaolin, rare light chert grains, trace Mudstone grains, trace light gray Siltstone & Sandstone stringers, soft. |
| 435.00 to 440.00 (5.00) | 100% | SHALE light to medium brown, light to medium gray brown, becoming more grey in color, subblocky, earthy, very silty & sandy, rare to trace micro carbonaceous, rare disseminated pyrite blebs, rare to trace disseminated pyrite, trace kaolin, rare light chert grains, trace Mudstone, trace light gray Siltstone & Sandstone stringers, soft. |
| 440.00 to 445.00 (5.00) | 100% | SHALE medium brown gray, medium gray, rare dark gray, laminated in part, subblocky, earthy, silty & sandy, trace to occasional micro carbonaceous, trace to occasional disseminated pyrite, rare kaolin, rare light chert grains, trace light gray Sandstone stringers, soft. |
| 445.00 to 450.00 (5.00) | 100% | SHALE medium brown gray, medium gray, trace dark gray, laminated in part, subblocky, earthy, silty & sandy, trace to occasional micro carbonaceous, trace to occasional disseminated pyrite, rare kaolin, rare light chert grains, trace light gray Sandstone stringers, soft. |
| 450.00 to 455.00 (5.00) | 100% | SHALE medium brown gray, medium gray, rare dark gray, laminated in part, subblocky, earthy, silty & sandy, trace micro carbonaceous, trace disseminated pyrite, rare kaolin, rare light chert grains, rare light gray Sandstone stringers, soft. |
| 455.00 to 460.00 (5.00) | 100% | SHALE medium brown gray, medium gray, rare dark gray, laminated in part, subblocky, as above. |

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| 460.00 to 465.00 (5.00) | 100% | SHALE medium gray, medium brown, trace dark gray, subblocky, earthy, silty & sandy, rare micro carbonaceous, rare to trace disseminated pyrite, trace pyritic streaks, trace light gray & light brown Sandstone stringers, trace light chert grains, soft. |
| 465.00 to 470.00 (5.00) | 95% | SHALE medium gray, medium brown, trace dark gray, subblocky, earthy, silty & sandy, rare micro carbonaceous, rare to trace disseminated pyrite, trace pyritic streaks, trace light gray & light brown Sandstone stringers, trace light chert grains, soft. |
| | 5% | SANDSTONE to CHERT CONGLOMERATE light gray, light chert grains, fine to coarse grained, subangular to subrounded, moderately sorted, unconsolidated, quartz, occasional light chert grains, trace disseminated pyrite, trace carbonaceous, trace dark lithic, possible grading to Chert Conglomerate, assumed 5 to 10% porosity. |
| 470.00 to 475.00 (5.00) | 65% | SHALE medium gray, medium brown gray, sbblk, earthy, silty & sandy, trace micro carbonaceous, trace disseminated pyrite, soft. |
| | 30% | MUDSTONE light to brown, subblocky, slightly silty & sandy, trace to occasional micro carbonaceous, rare disseminated pyrite, very rare kaolin, soft. |
| | 5% | SANDSTONE to CHERT CONGLOMERATE light gray, light chert grains, fine to coarse grained, subangular to subrounded, moderately sorted, unconsolidated, quartz, occasional light chert grains with Sandstone matrix; medium brown very fine to fine grained, well sorted, subangular to subrounded, well sorted, moderately consolidated, slightly siliceous, quartz, trace disseminated pyrite, trace carbonaceous, trace dark lithic, argillaceous, assumed poor to fair (5 to 10%) porosity. |
| 475.00 to 480.00 (5.00) | 98% | SHALE mgy, medium brown gray, subblocky, earthy, silty & sandy, trace micro carbonaceous, trace disseminated pyrite, soft. |
| | 2% | SANDSTONE to CHERT CONGLOMERATE light gray, light chert grains, fine to coarse grained, subangular to subrounded, moderately sorted, as above. |
| 480.00 to 485.00 (5.00) | 100% | SHALE medium gray, medium brown gray, sbblk, earthy, silty & sandy, trace micro carbonaceous, trace disseminated pyrite, trace loose chert grains, soft. |
| 485.00 to 490.00 (5.00) | 100% | SHALE medium gray, medium brown gray, sbblk, earthy, silty & sandy, trace micro carbonaceous, trace disseminated pyrite, soft. |
| 490.00 to 495.00 (5.00) | 100% | SHALE medium gray, medium brown gray, sbblk, earthy, silty & sandy, trace micro carbonaceous, trace disseminated pyrite, soft. |

Sample Descriptions

Storage Units: Metric

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| 495.00 to 500.00 (5.00) | 100% | SHALE medium gray, medium gray brown, subblocky, earthy, silty& sandy, rare micro carbonaceous, rare disseminated pyrite, trace light chert grains, trace argillaceous Sandstone stringers, soft. |
| 500.00 to 505.00 (5.00) | 100% | SHALE medium gray, medium gray brown, subblocky, earthy, silty& sandy, rare micro carbonaceous, rare disseminated pyrite, trace argillaceous Sandstone stringers, soft. |
| 505.00 to 510.00 (5.00) | 95% | SHALE medium gray, medium gray brown, subblocky, earthy, silty& sandy, rare micro carbonaceous, rare disseminated pyrite, trace argillaceous Sandstone stringers, soft. |
| | 5% | SANDSTONE to CHERT CONGLOMERATE light gray, light chert grains, fine to coarse grained, subangular to subrounded, moderately sorted, unconsolidated, quartz, occasional light chert grains with Sandstone matrix; medium brown very fine to fine grained, well sorted, subangular to subrounded, well sorted, moderately consolidated, slightly siliceous, quartz, trace disseminated pyrite, trace carbonaceous, trace dark lithic, argillaceous, assumed poor to fair (5 to 10%) porosity. |

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| 595.00 to 600.00 (5.00) | 85% | SHALE medium gray, subblocky, earthy, silty & sandy, rare micro carbonaceous, rare disseminated pyrite, trace to occasional light gray to light brown Sandstone stringers, soft to firm. |
| | 15% | SANDSTONE light gray, light brown, silt to very fine grained, well sorted, subangular, poorly consolidated, quartz, occasional micro carbonaceous, trace disseminated pyrite, occasional light chert grains, trace dark lithic, argillaceous in part, tight to poor (0 to 5%) intergranular porosity. |
| 600.00 to 605.00 (5.00) | 90% | SHALE medium gray, subblocky, earthy, silty & sandy, as above. |
| | 10% | SANDSTONE light gray, light brown, silt to very fine grained, well sorted, as above. |
| 605.00 to 610.00 (5.00) | 100% | SHALE medium gray, medium brown gray, subblocky, earthy, slightly silty & sandy, rare to trace micro carbonaceous, trace disseminated pyrite, soft to firm. |
| 610.00 to 615.00 (5.00) | 100% | SHALE medium gray, medium brown gray, subblocky, earthy, as above. |
| 615.00 to 620.00 (5.00) | 100% | SHALE medium gray, medium brown gray, subblocky, earthy, slightly silty & sandy, rare micro carbonaceous, rare disseminated pyrite, rare light chert grains, soft to firm. |
| 620.00 to 625.00 (5.00) | 100% | SHALE medium gray, medium brown gray, subblocky, earthy, as above. |
| 625.00 to 630.00 (5.00) | 100% | SHALE medium gray, medium brown gray, subblocky, earthy, as above. |
| 630.00 to 635.00 (5.00) | 90% | SHALE medium gray, medium brown gray, subblocky to occasional subfissile, earthy, silty & sandy, rare to trace micro carbonaceous, rare to trace disseminated pyrite, trace to occasional Sandstone & Siltstone stringers, soft to firm. |
| | 10% | SANDSTONE light gray, light brown, silt to very fine grained, well sorted, subangular, poorly consolidated, quartz, occasional micro carbonaceous, trace disseminated pyrite, occasional light chert grains, trace dark lithic, argillaceous in part, tight to poor (0 to 5%) intergranular porosity, cavings from wiper tripoli. |
| 635.00 to 639.00 (4.00) | 100% | SHALE medium gray, medium brown gray, subblocky to occasional subfissile, earthy, as above. |

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| 639.00 to 640.00 | 99% | SHALE (1.00) medium gray, medium brown gray, subfissile to subblocky, slightly silty & sandy, rare micro carbonaceous, trace disseminated pyrite & pyritic streaks, bentonitic, trace light to medium brown Sandstone stringers, soft. |
| | 1% | CEMENT off white. |
| 640.00 to 645.00 | 100% | SHALE (5.00) medium gray, medium brown gray, subfissile to subblocky, slightly silty & sandy, as above. |
| 645.00 to 650.00 | 100% | SHALE (5.00) medium gray, medium brown gray, subblocky, subfissile in part, slightly silty & sandy, rare micro carbonaceous, rare disseminated pyrite, bentonitic in part, soft. |
| 650.00 to 655.00 | 100% | SHALE (5.00) medium gray, medium brown gray, subblocky, subfissile in part, as above. |
| 655.00 to 660.00 | 100% | SHALE (5.00) medium gray, medium brown gray, subfissile to subblocky, slightly silty & sandy, rare micro carbonaceous, rare disseminated pyrite, bentonitic, soft. |
| 660.00 to 665.00 | 100% | SHALE (5.00) medium gray, medium brown gray, subfissile to subblocky, slightly silty & sandy, rare micro carbonaceous, rare disseminated pyrite, bentonitic, trace light to medium gray Sandstone stringers, soft. |
| 665.00 to 670.00 | 100% | SHALE (5.00) medium gray, medium brown gray, subfissile to subblocky, slightly silty & sandy, as above. |

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| 1,310.00 to 1,315.00 | 65% | SILTSTONE (5.00) light brown, light gray brown, sandy, well sorted, subangular, poorly consolidated, clay matrix, quartz, rare micro carbonaceous, rare mica flakes, argillaceous, tight. |
| | 25% | SANDSTONE light gray, silt to very fine grained, well sorted, subangular, as above. |
| | 10% | SHALE light brown, light gray brown, subblocky, earthy, as above. |
| 1,315.00 to 1,320.00 | 60% | SANDSTONE (5.00) very light gray, very light brown, silt to very fine grained, subangular to subrounded, poorly consolidated, clay matrix, quartz, rare micro carbonaceous, trace kaolin, rare light chert grains, trace dark lithic, argillaceous, tight. |
| | 20% | SHALE light brown, light gray brown, subblocky, earthy, as above. |
| | 20% | SILTSTONE light brown, light gray brown, sandy, well sorted, subangular, as above. |
| 1,320.00 to 1,325.00 | 80% | SANDSTONE (5.00) very light gray, very light brown, light green gray in part, silt to very fine grained, subangular to subrounded, poorly consolidated, clay matrix, quartz, rare micro carbonaceous, trace kaolin, rare light chert grains, trace dark lithic, argillaceous, tight. |
| | 10% | SHALE light brown, light gray brown, subblocky, earthy, silty & sandy, rare micro carbonaceous, rare kaolin grading to argillaceous Siltstone in part, soft. |
| | 10% | SILTSTONE light brown, light gray brown, sandy, well sorted, subangular, as above. |
| 1,325.00 to 1,330.00 | 90% | SANDSTONE (5.00) very light gray, very light brown, light green gray in part, silt to very fine grained, as above. |
| | 10% | SHALE light brown, light gray brown, subblocky, earthy, as above. |
| 1,330.00 to 1,335.00 | 90% | SANDSTONE (5.00) light gray, occasional medium gray, silt to very fine grained, well sorted, subangular, poorly consolidated, clay matrix, quartz, trace micro carbonaceous, rare light chert grains, trace kaolin, rare dark lithic grains, grading to sandy Siltstone, tight. |
| | 10% | SHALE medium gray, light to medium gray brown, subfissile to subblocky, earthy, silty & sandy, rare to trace micro carbonaceous, rare disseminated pyrite, grading to argillaceous Siltstone, soft. |

Sample Descriptions

Storage Units: Metric

| | | |
|----------------------|--------|--|
| 1,335.00 to 1,340.00 | 60% | SANDSTONE light gray, occasional medium gray, silt to very fine grained, well sorted, as above. |
| | (5.00) | |
| | 30% | SILTSTONE light gray, sandy, well sorted, subangular, poorly consolidated, clay matrix, quartz, rare to trace micro carbonaceous, trace kaolin, rare light chert grains, argillaceous, grading to silty Sandstone, tight. |
| | 10% | SHALE medium gray, light to medium gray brown, subfissile to subblocky, as above. |
| 1,340.00 to 1,345.00 | 60% | SANDSTONE light gray, occasional medium gray, silt to very fine grained, well sorted, as above. |
| | (5.00) | |
| | 20% | SHALE medium gray, light to medium gray brown, subfissile to subblocky, as above. |
| | 20% | SILTSTONE light gray, sandy, well sorted, subangular, poorly consolidated, clay matrix, as above. |
| 1,345.00 to 1,350.00 | 50% | SHALE light brown, light gray brown, subblocky, occasional subfissile, earthy, rare micro carbonaceous, rare mica flakes, rare disseminated pyrite, grade to argillaceous Siltstone lenses, soft to firm. |
| | (5.00) | |
| | 40% | SANDSTONE light gray, occasional medium gray, silt to very fine grained, well sorted, as above. |
| | 10% | SILTSTONE light gray, sandy, well sorted, subangular, poorly consolidated, as above. |
| 1,350.00 to 1,355.00 | 65% | SHALE light brown, light gray brown, subfissile to subblocky, earthy, silty & sandy, trace micro carbonaceous to trace coal flakes, bentonitic in part, grading to argillaceous Siltstone in part, soft to firm. |
| | (5.00) | |
| | 35% | SANDSTONE light gray, occasional medium gray, slightly salt and pepper, silt to very fine grained, well sorted, subangular, poorly consolidated, clay cement, quartz, trace micro carbonaceous to trace coal flakes, argillaceous, trace kaolin, rare light chert grains, rare disseminated pyrite, grading to sandy Siltstone, tight. |
| 1,355.00 to 1,360.00 | 80% | SHALE light brown, light gray brown, subfissile to subblocky, earthy, as above. |
| | (5.00) | |
| | 20% | SANDSTONE light gray, occasional medium gray, slightly salt and pepper, silt to very fine grained, well sorted, as above. |

Sample Descriptions

Storage Units: Metric

| | | |
|---------------------------|------------------------|--|
| 1,360.00 to 1,365.00 95% | SHALE (5.00) | very light to light brown, light to medium gray, subfissile to subblocky, occasional silty & sandy in part, rare kaolin, bentonitic in part, grading to argillaceous Siltstone in part, soft to firm. |
| 5% | SANDSTONE | light gray, occasional medium gray, slightly salt and pepper, silt to very fine grained, as above. |
| 1,365.00 to 1,370.00 100% | SHALE (5.00) | very light to light brown, light to medium gray, subfissile to subblocky, occasional silty & sandy in part, rare to trace micro carbonaceous, rare kaolin, bentonitic in part, grading to argillaceous Siltstone in part, increasing from above, soft to firm. |
| 1,370.00 to 1,375.00 100% | SHALE (5.00) | light to medium gray, light brown, light gray brown, subfissile to subblocky, earthy, occasional silty & sandy, rare to trace micro carbonaceous, rare kaolin, rare light chert grains, grading to argillaceous Siltstone stringers, soft to firm. |
| 1,375.00 to 1,380.00 100% | SHALE (5.00) | light to medium brown gray, light gray brown, subfissile to subblocky, earthy, silty & sandy, rare to trace micro carbonaceous, rare mica flakes, bentonitic in part, grading to argillaceous Siltstone stringers, soft to firm. |
| 1,380.00 to 1,385.00 100% | SHALE (5.00) | light to medium brown gray, light gray brown, subfissile to subblocky, earthy, as above. |
| 1,385.00 to 1,390.00 100% | SHALE (5.00) | light to medium brown gray, light gray brown, subfissile to subblocky, earthy, silty & sandy, rare to trace micro carbonaceous, rare mica flakes, bentonitic in part, trace Siltstone & Sandstone stringers, soft to firm. |
| 1,390.00 to 1,395.00 100% | SHALE (5.00) | light to medium brown gray, light gray brown, subfissile to subblocky, earthy, silty & sandy, rare to trace micro carbonaceous, rare mica flakes, bentonitic in part, soft to firm. |
| 1,395.00 to 1,400.00 100% | SHALE (5.00) | light to medium brown gray, light gray brown, subfissile to subblocky, earthy, silty & sandy, rare to trace micro carbonaceous, rare mica flakes, bentonitic in part, trace argillaceous Siltstone lenses, soft to firm. |
| 1,400.00 to 1,405.00 100% | SHALE (5.00) | medium gray, subfissile to subblocky, earthy, trace silty & sandy, trace micro carbonaceous to trace coal flakes, rare disseminated pyrite, bentonitic in part, trace Siltstone & Sandstone lenses, soft to firm. |

Sample Descriptions

Storage Units: Metric

| | | |
|---------------------------|------------------------|--|
| 1,405.00 to 1,410.00 100% | SHALE (5.00) | light to medium gray, light brown gray, subfissile to subblocky, earthy, trace silty & sandy, trace micro carbonaceous to trace coal flakes, rare disseminated pyrite, bentonitic in part, trace to occasional Siltstone & Sandstone lenses, soft to firm. |
| 1,410.00 to 1,415.00 100% | SHALE (5.00) | light to occasional medium gray, light gray brown, subfissile to subblocky, earthy, trace to occasional silty & sandy, trace micro carbonaceous to trace coal flakes, very rare disseminated pyrite, rare kaolin, slightly bentonitic, trace Siltstone & Sandstone lenses & stringers, soft to firm. |
| 1,415.00 to 1,420.00 100% | SHALE (5.00) | light to occasional medium gray, light gray brown, subfissile to subblocky, earthy, as above. |
| 1,420.00 to 1,425.00 100% | SHALE (5.00) | light to occasional medium gray, light gray brown, subfissile to subblocky, earthy, as above. |
| 1,425.00 to 1,430.00 100% | SHALE (5.00) | light gray, light gray brown, subfissile to subblocky, earthy, occasional silty & sandy, rare micro carbonaceous to rare coal flakes, trace mica flakes, rare to trace Siltstone & Sandstone lens & stringers, soft to firm. |
| 1,430.00 to 1,435.00 100% | SHALE (5.00) | light gray, light gray brown, subfissile to subblocky, earthy, as above. |
| 1,435.00 to 1,440.00 100% | SHALE (5.00) | light gray, light gray brown, subfissile to subblocky, as above. |
| 1,440.00 to 1,445.00 100% | SHALE (5.00) | light gray, light gray brown, subfissile to subblocky, earthy, occasional silty & sandy, rare micro carbonaceous to rare coal flakes, trace mica flakes, rare to trace Siltstone & Sandstone lens & stringers, soft to firm. |
| 1,445.00 to 1,450.00 100% | SHALE (5.00) | light gray, light gray brown, subfissile to subblocky, earthy, as above. |
| 1,450.00 to 1,455.00 100% | SHALE (5.00) | light gray, light brown gray, subfissile to subblocky, earthy, trace to occasional silty & sandy, rare to trace micro carbonaceous to trace coal flakes, very rare disseminated pyrite, r light chert grains, rare kaolin, trace Siltstone & Sandstone lenses & stringers, soft to firm. |
| 1,455.00 to 1,460.00 100% | SHALE (5.00) | light to medium gray, trace light brown, subfissile to subblocky, earthy, trace silty & sandy, rare to trace micro carbonaceous to rare coal flakes, rare disseminated pyrite, rare to trace Siltstone & Sandstone lenses & stringers, soft to firm. |

Sample Descriptions

Storage Units: Metric

| | | |
|---------------------------|----------------------------|---|
| 1,460.00 to 1,465.00 100% | SHALE (5.00) | light to medium gray, trace light brown, subfissile to subblocky, earthy, as above. |
| 1,465.00 to 1,470.00 100% | SHALE (5.00) | light to medium gray, trace light brown, subfissile to subblocky, earthy, trace silty & sandy, rare to trace micro carbonaceous to rare coal flakes, decreasing from above, rare disseminated pyrite, rare to trace Siltstone & Sandstone lenses & stringers, soft to firm. |
| 1,470.00 to 1,475.00 100% | SHALE (5.00) | light to medium gray, trace light brown, subfissile to subblocky, earthy, trace silty & sandy, rare micro carbonaceous to rare coal flakes, rare disseminated pyrite, rare to trace Siltstone & Sandstone lenses & stringers, soft to firm. |
| 1,475.00 to 1,480.00 100% | SHALE (5.00) | medium gray, medium brown gray, rare light brown, subfissile to subblocky, earthy, slightly silty & sandy, rare micro carbonaceous, very rare disseminated pyrite, rare mica flakes, rare Siltstone & Sandstone lenses & stringers, soft -frm. |
| 1,480.00 to 1,485.00 100% | NO SAMPLE (5.00) | sample not caught. |
| 1,485.00 to 1,490.00 100% | SHALE (5.00) | medium gray, medium brown gray, rare light brown, subfissile to subblocky, earthy, as above. |
| 1,490.00 to 1,495.00 100% | SHALE (5.00) | medium gray, medium brown gray, rare light brown, subfissile to subblocky, as above. |
| 1,495.00 to 1,500.00 100% | SHALE (5.00) | light to medium gray, light medium to brown gray, very rare light brown, subfissile to subblocky, earthy, slightly silty & sandy, rare micro carbonaceous, rare disseminated pyrite, rare Slts lenses, soft to firm. |
| 1,500.00 to 1,505.00 100% | SHALE (5.00) | light to medium gray, light medium to brown gray, very rare light brown, subfissile to subblocky, as above. |
| 1,505.00 to 1,510.00 100% | SHALE (5.00) | light to medium gray, light medium to brown gray, very rare light brown, subfissile to subblocky, as above. |
| 1,510.00 to 1,515.00 100% | SHALE (5.00) | light to medium gray, light medium to brown gray, very rare light brown, subfissile to subblocky, earthy, slightly silty & sandy, rare micro carbonaceous, rare disseminated pyrite, rare Slts lenses, soft to firm. |

Sample Descriptions

Storage Units: Metric

| | | |
|---------------------------|------------------------|--|
| 1,515.00 to 1,520.00 100% | SHALE (5.00) | light to medium gray, light medium to brown gray, very rare light brown, subfissile to subblocky, as above. |
| 1,520.00 to 1,525.00 100% | SHALE (5.00) | light to medium gray, light medium to brown gray, very rare light brown, subfissile to subblocky, as above. |
| 1,525.00 to 1,530.00 100% | SHALE (5.00) | light gray, light to medium brown gray, very rare light brown, subfissile to subblocky, earthy, slightly silty & sandy, rare micro carbonaceous, rare disseminated pyrite, very rare mica flakes, trace light gray Siltstone & Sandstone lenses, soft to firm. |
| 1,530.00 to 1,535.00 100% | SHALE (5.00) | light gray, light to medium brown gray, very rare light brown, subfissile to subblocky, as above. |
| 1,535.00 to 1,540.00 100% | SHALE (5.00) | light gray, light to medium brown gray, very rare light brown, subfissile to subblocky, as above. |
| 1,540.00 to 1,545.00 100% | SHALE (5.00) | light gray, light to medium brown gray, very rare light brown, subfissile to subblocky, earthy, slightly silty & sandy, rare micro carbonaceous, rare disseminated pyrite, very rare mica flakes, rare light gray Siltstone & Sandstone lenses, soft to firm. |
| 1,545.00 to 1,550.00 100% | SHALE (5.00) | light gray, light to medium brown gray, very rare light brown, subfissile to subblocky, as above. |
| 1,550.00 to 1,555.00 100% | SHALE (5.00) | light to medium gray, light brown gray, very rare light brown, subfissile to subblocky, earthy, trace silty & sandy, rare micro carbonaceous, rare coal flakes, rare to trace light gray Siltstone & Sandstone lenses, more carbonaceous than Shale, soft to firm. |
| 1,555.00 to 1,560.00 100% | SHALE (5.00) | light to medium gray, light brown gray, very rare light brown, subfissile to subblocky, earthy, as above. |
| 1,560.00 to 1,565.00 100% | SHALE (5.00) | light to medium gray, light brown gray, very rare light brown, subfissile to subblocky, earthy, as above. |
| 1,565.00 to 1,570.00 100% | SHALE (5.00) | light to medium gray, light brown gray, very rare light brown, subfissile to subblocky, earthy, trace silty & sandy, rare micro carbonaceous, rare coal flakes, rare to trace light gray Siltstone & Sandstone lenses, more carbonaceous than Shale, soft to firm. |

Sample Descriptions

Storage Units: Metric

| | | |
|----------------------|------|--|
| 1,570.00 to 1,575.00 | 100% | SHALE (5.00) light to medium gray, light brown gray, very rare light brown, subfissile to subblocky, earthy, as above. |
| 1,575.00 to 1,580.00 | 100% | SHALE (5.00) light to medium gray, very rare light brown, subfissile to subblocky, earthy, trace to occasional silty & sandy, rare micro carbonaceous, very rare disseminated pyrite, very rare mica flakes, rare to trace Siltstone & Sandstone lenses & stringers, soft to firm. |
| 1,580.00 to 1,585.00 | 100% | SHALE (5.00) light to medium gray, very rare light brown, subfissile to subblocky, as above. |
| 1,585.00 to 1,590.00 | 100% | SHALE (5.00) light to medium gray, trace light brown, subfissile to subblocky, earthy, trace to occasional silty & sandy, rare micro carbonaceous, rare coal flakes, very rare disseminated pyrite, rare Siltstone lenses, soft to firm. |
| 1,590.00 to 1,595.00 | 100% | SHALE (5.00) light to medium gray, trace light brown, subfissile to subblocky, earthy, as above. |
| 1,595.00 to 1,600.00 | 100% | SHALE (5.00) light to medium gray, trace light brown, subfissile to subblocky, earthy, as above. |
| 1,600.00 to 1,605.00 | 100% | SHALE (5.00) light to medium gray, trace light brown, subfissile to subblocky, earthy, as above. |

Sample Descriptions

Storage Units: Metric

| | | |
|---------------------------|---|--|
| 1,570.00 to 1,575.00 100% | SHALE | |
| (5.00) | light to medium gray, light brown gray, very rare light brown, subfissile to subblocky, earthy, as above. | |
| 1,575.00 to 1,580.00 100% | SHALE | |
| (5.00) | light to medium gray, very rare light brown, subfissile to subblocky, earthy, trace to occasional silty & sandy, rare micro carbonaceous, very rare disseminated pyrite, very rare mica flakes, rare to trace Siltstone & Sandstone lenses & stringers, soft to firm. | |
| 1,580.00 to 1,585.00 100% | SHALE | |
| (5.00) | light to medium gray, very rare light brown, subfissile to subblocky, as above. | |
| 1,585.00 to 1,590.00 100% | SHALE | |
| (5.00) | light to medium gray, trace light brown, subfissile to subblocky, earthy, trace to occasional silty & sandy, rare micro carbonaceous, rare coal flakes, very rare disseminated pyrite, rare Siltstone lenses, soft to firm. | |
| 1,590.00 to 1,595.00 100% | SHALE | |
| (5.00) | light to medium gray, trace light brown, subfissile to subblocky, earthy, as above. | |
| 1,595.00 to 1,600.00 100% | SHALE | |
| (5.00) | light to medium gray, trace light brown, subfissile to subblocky, earthy, as above. | |
| 1,600.00 to 1,605.00 100% | SHALE | |
| (5.00) | light to medium gray, trace light brown, subfissile to subblocky, earthy, as above. | |
| 1,605.00 to 1,610.00 100% | SHALE | |
| (5.00) | light to medium gray, trace light brown, subfissile to subblocky, earthy, trace silty & sandy, rare micro carbonaceous, rare coal flakes, very rare disseminated pyrite, rare Siltstone lenses, soft to firm. | |
| 1,610.00 to 1,615.00 100% | SHALE | |
| (5.00) | light to medium gray, trace light brown, subfissile to subblocky, as above. | |
| 1,615.00 to 1,620.00 100% | SHALE | |
| (5.00) | light to medium gray, trace light brown, subfissile to subblocky, earthy, as above. | |
| 1,620.00 to 1,625.00 100% | SHALE | |
| (5.00) | light to medium gray, trace light brown, subfissile to subblocky, earthy, trace silty & sandy, rare micro carbonaceous, rare coal flakes, very rare disseminated pyrite, rare Siltstone lenses, soft to firm. | |
| 1,625.00 to 1,630.00 100% | SHALE | |
| (5.00) | light to medium gray, trace light brown, subfissile to subblocky, earthy, as above. | |

Sample Descriptions

Storage Units: Metric

| | | |
|---------------------------|------------------------|---|
| 1,630.00 to 1,635.00 90% | SHALE (5.00) | light to medium gray, trace light brown, subfissile to subblocky, earthy, trace silty & sandy, rare micro carbonaceous, rare coal flakes, very rare disseminated pyrite, rare Siltstone lenses, soft to firm. |
| 10% | SANDSTONE | light gray, trace medium gray, light brown in part, small;light to lower fine grained, moderately well sorted, subangular, poorly consolidated, clay cement, quartz, rare micro carbonaceous, trace light chert grains, trace disseminated pyrite, rare dark lithic, tight. |
| 1,635.00 to 1,640.00 100% | SHALE (5.00) | m- dark gray brown, trace dark gray, subfissile to subblocky, earthy, slightly to occasional silty & sandy in part, rare micro carbonaceous, rare coal flakes, trace disseminated pyrite, soft to firm. |
| 1,640.00 to 1,645.00 100% | SHALE (5.00) | medium to dark gray, medium brown gray, subfissile to subblocky, earthy, silty & sandy, very rare micro carbonaceous, trace disseminated pyrite, rare light chert grains, soft. |
| 1,645.00 to 1,650.00 100% | SHALE (5.00) | medium to dark gray, medium brown gray, subfissile to subblocky, earthy, silty & sandy, very rare micro carbonaceous, trace to occasional disseminated pyrite, rare light chert grains, soft. |

Upper Canol: 1,650.00 MD, 1,649.56 TVD, -1,390.76 SSL

| | | |
|---------------------------|------------------------|---|
| 1,650.00 to 1,655.00 100% | SHALE (5.00) | medium to dark gray. subfissile to subblocky, earthy, silty & sandy, rare micro carbonaceous, trace to occasional micro dsim pyrite, rare calcareous filled microfractures, rare pyrite poss filling fractures, soft. |
| 1,655.00 to 1,660.00 100% | SHALE (5.00) | medium to dark gray, darker than above, subfissile to subblocky, earthy, silty & sandy in part, rare micro carbonaceous, trace to 0cc micro disseminated pyrite, trace to occasional disseminated pyrite, soft. |
| 1,660.00 to 1,665.00 100% | SHALE (5.00) | medium to dark gray, slightly darker than above, subfissile to subblocky, earthy, silty & sandy in part, rare micro carbonaceous, trace to occasional micro disseminated pyrite, soft. |

Middle Canol: 1,665.00 MD, 1,664.56 TVD, -1,405.76 SSL

| | | |
|---------------------------|------------------------|--|
| 1,665.00 to 1,670.00 100% | SHALE (5.00) | medium to dark gray, black in part, becoming darker than above, subfissile to subblocky, silty & sandy, trace micro carbonaceous, trace to occasional disseminated pyrite, soft to firm in part. |
|---------------------------|------------------------|--|

Sample Descriptions

Storage Units: Metric

| | | |
|---------------------------|--------------|--|
| 1,730.00 to 1,735.00 100% | SHALE | |
| (5.00) | | dark gray, black, subfissile to subblocky, earthy, slightly silty & sandy, carbonaceous, trace disseminated pyrite, rare pyrite streaks, rare light chert grains, soft to firm. |
| 1,735.00 to 1,740.00 100% | SHALE | |
| (5.00) | | dark gray, black, subfissile to subblocky, earthy, slightly silty & sandy, carbonaceous, trace to occasional disseminated pyrite, very rare pyrite streaks & rare filled voids, rare light chert grains, soft to firm. |
| 1,740.00 to 1,745.00 100% | SHALE | |
| (5.00) | | dark gray, black, subfissile to subblocky, earthy, as above. |
| 1,745.00 to 1,750.00 100% | SHALE | |
| (5.00) | | dark gray to black, subfissile to subblocky, earthy, slightly silty & sandy, carbonaceous, trace disseminated pyrite, soft. |
| 1,750.00 to 1,755.00 100% | SHALE | |
| (5.00) | | dark gray to black, subfissile to subblocky, earthy, silty & sandy, carbonaceous, occasional disseminated pyrite, trace to occasional dark chert grains, soft to firm. |
| 1,755.00 to 1,760.00 100% | SHALE | |
| (5.00) | | dark gray to black, subfissile to subblocky, earthy, trace pyritic blebs, as above. |
| 1,760.00 to 1,765.00 100% | SHALE | |
| (5.00) | | blackish, dark gray, dark brown, subfissile to subblocky, earthy, carbonaceous, common coal flakes, trace disseminated pyrite, rare pyritic blebs, slickenside, fractures, trace mica flakes, very soft to soft, no fluorescence, fairly quick milky yellow streaming & blooming cut, oil cut medium brown oil residue. |
| 1,765.00 to 1,770.00 100% | SHALE | |
| (5.00) | | blackish, dark gray, dark brown, subfissile to subblocky, as above. |
| 1,770.00 to 1,775.00 100% | SHALE | |
| (5.00) | | blackish, dark gray, dark brown, subfissile to subblocky, earthy, carbonaceous, common coal flakes, trace disseminated pyrite, rare pyritic blebs, occasional slickenside, fractures, trace mica flakes, very soft to soft, no fluorescence, fairly quick milky yellow streaming & blooming cut, medium brown oil residue. |
| 1,775.00 to 1,780.00 100% | SHALE | |
| (5.00) | | blackish, dark gray, dark brown, subfissile to subblocky, earthy, carbonaceous, common coal flakes, trace disseminated pyrite, trace pyritic streaks, occasional slickenside, fractures, trace mica flakes, rare calcareous streaks, very soft to soft, no fluorescence, fairly quick milky yellow streaming & blooming cut, medium brown oil residue. |
| 1,780.00 to 1,785.00 100% | SHALE | |
| (5.00) | | blackish, dark gray, dark brown, subfissile to subblocky, as above. |

Sample Descriptions

Storage Units: Metric

1,785.00 to 1,790.00 100% **SHALE**

(5.00)

blackish, dark gray, dark brown, subfissile to subblocky, earthy, carbonaceous, common coal flakes, trace disseminated pyrite, trace pyritic streaks, occasional slickenside, fractures, trace mica flakes, trace calcareous streaks, very soft to soft, no fluorescence, fairly quick milky yellow streaming & blooming cut, medium brown oil residue.