

## **APPENDIX C**

**Magellan Petroleum  
Australia Limited**

**CUTTINGS DESCRIPTION SHEET**

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**WELL:** Palm Valley #10A  
**PERMIT:** O.L. 3 NT  
**GEOLOGIST:** Bob Lowman

DEPTH (mKB)	L I T H (%)	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, ETC.
1471-1475	80 20  Tr	Cement. Sandstone: Light to medium grey, very fine to fine grained, well sorted, subrounded, strong siliceous cement, common quartz overgrowths, occasional medium grey brown siltstone lithics, rare disseminated pyrite, moderately hard to hard, nil to trace visual porosity. Siltstone: Medium to dark grey brown, argillaceous to commonly arenaceous, slightly dolomitic in part, trace micromicaceous, moderately hard to firm, subblocky to fissile	No shows
1475-1480	50  40 10  Tr	Sandstone: Light to medium grey, translucent, very fine to fine grained, well sorted, subrounded, strong siliceous cement, common quartz overgrowths, occasional to common medium grey brown siltstone lithics, rare disseminated pyrite, trace pelecypod fragments, moderately hard to hard, nil to trace visual porosity. Cement. Siltstone: Medium to dark grey, medium to dark grey brown, dominantly argillaceous to arenaceous in part, occasionally very finely micromicaceous, trace disseminated pyrite, moderately firm, subblocky to subfissile. Shale: medium to dark grey brown, grading to siltstone in part, very finely micromicaceous in part, moderately firm, subfissile to fissile.	No shows
1480-1485	70   30	Sandstone: Off white to light grey brown, mottled in part, very fine to rare fine grained, well sorted, subrounded, strong siliceous cement, common quartz overgrowths, dolomitic in part, locally common light grey argillaceous/silty matrix, common medium brown grey siltstone lithics, rare disseminated pyrite, moderately hard to hard, nil to trace visual porosity. Siltstone: Medium grey brown, dominantly arenaceous to argillaceous in part, commonly grading to a very fine grained sandstone, very finely micromicaceous in part, occasional light and dark lithics, rare disseminated pyrite, locally dolomitic, moderately firm to hard, subblocky.	No shows

1485-1490	60	Sandstone: Off white to light grey brown, mottled in part, very fine to rare fine grained, well sorted, subrounded, strong siliceous cement, common quartz overgrowths, dolomitic in part, locally common light grey argillaceous/silty matrix, common medium brown grey siltstone lithics, rare disseminated pyrite, moderately hard to hard, nil to trace visual porosity.	No shows
	40	Siltstone: Medium grey brown, dominantly arenaceous to argillaceous in part, commonly grading to a very fine grained sandstone, very finely micromicaceous in part, occasional light and dark lithics, rare disseminated pyrite, locally dolomitic, moderately firm to hard, subblocky.	
1490-1495	50	Sandstone: Off white to light grey brown, mottled in part, very fine to rare fine grained, well sorted, subrounded, strong siliceous cement, common quartz overgrowths, dolomitic in part, locally common light grey argillaceous/silty matrix, common medium brown grey siltstone lithics, rare disseminated pyrite, moderately hard to hard, nil to trace visual porosity.	No shows
	50	Siltstone: Medium grey brown, dominantly arenaceous to argillaceous in part, commonly grading to a very fine grained sandstone, very finely micromicaceous in part, occasional light and dark lithics, rare disseminated pyrite, locally dolomitic, moderately firm to hard, subblocky.	
1495-1500	70	Siltstone: Light to medium grey, light to medium grey brown, dominantly argillaceous to arenaceous in part, micromicaceous in part, trace disseminated pyrite, moderately hard, subblocky to subfissile.	No shows
	30	Sandstone: Off white to medium grey brown, very fine to fine grained, well sorted, subrounded, strong siliceous cement, dolomitic in part, locally common light grey brown argillaceous matrix, micromicaceous in part, common medium brown grey siltstone lithics, hard, nil visual porosity.	
	Tr	Shale: dark grey, grading in part to siltstone, very finely micromicaceous in part, moderately hard to hard, subfissile to fissile.	
1500-1505	80	Siltstone: Light to medium grey, light to medium grey brown, dominantly argillaceous to arenaceous in part, micromicaceous in part, trace disseminated pyrite, moderately hard, subblocky to subfissile.	No shows
	20	Sandstone: Off white to medium grey brown, very fine to fine grained, well sorted, subrounded, strong siliceous cement, dolomitic in part, locally common light grey brown argillaceous matrix, micromicaceous in part, common medium brown grey siltstone lithics, hard, nil visual porosity.	
	Tr	Shale: dark grey, grading in part to siltstone, very finely micromicaceous in part, moderately hard to hard, subfissile to fissile.	

1505-1510	80	Siltstone: Light to medium grey, light to dominantly medium grey brown, dominantly argillaceous to arenaceous in part, micromicaceous in part, trace disseminated pyrite, moderately hard, subblocky to subfissile.	No shows
	20	Sandstone: Off white to medium grey brown, very fine to fine grained, well sorted, subrounded, strong siliceous cement, dolomitic in part, locally common light grey brown argillaceous matrix, micromicaceous in part, common medium brown grey siltstone lithics, hard, nil visual porosity.	
	Tr	Shale: dark grey, grading in part to siltstone, very finely micromicaceous in part, moderately hard to hard, subfissile to fissile.	
1510-1515	70	Siltstone: Light to medium grey, light to dominantly medium grey brown, dominantly argillaceous to arenaceous in part, micromicaceous in part, trace disseminated pyrite, moderately hard, subblocky to subfissile.	No shows
	30	Sandstone: Off white to medium grey brown, very fine to fine grained, well sorted, subrounded, strong siliceous cement, dolomitic in part, locally common light grey brown argillaceous matrix, micromicaceous in part, common medium brown grey siltstone lithics, hard, nil visual porosity.	
	Tr	Shale: dark grey, grading in part to siltstone, very finely micromicaceous in part, moderately hard to hard, subfissile to fissile.	
1515-1520	100	Siltstone: dominantly light to medium grey brown, rare dark brown grey, argillaceous to commonly very finely arenaceous, dolomitic in part, commonly very finely micromicaceous, trace disseminated pyrite, trace lithic inclusions, moderately firm, subblocky.	No shows
	Tr	Sandstone: Off white to medium grey brown, very fine to fine grained, well sorted, subrounded, strong siliceous cement, dolomitic in part, locally common light grey brown argillaceous matrix, micromicaceous in part, common medium brown grey siltstone lithics, hard, nil visual porosity.	
1520-1525	100	Siltstone: dominantly light to medium grey brown, rare dark brown grey, argillaceous to commonly very finely arenaceous, dolomitic in part, commonly very finely micromicaceous, trace disseminated pyrite, trace lithic inclusions, moderately firm, subblocky.	No shows
	Tr	Sandstone: Off white to medium grey brown, very fine to fine grained, well sorted, subrounded, strong siliceous cement, dolomitic in part, locally common light grey brown argillaceous matrix, micromicaceous in part, common medium brown grey siltstone lithics, hard, nil visual porosity.	

1525-1530	70	Sandstone: Off white, pale to medium grey, translucent, very fine to fine grained, well sorted, subrounded, strong siliceous cement, common authigenic quartz overgrowths, locally weak white to pale grey argillaceous matrix, occasional brownish grey phosphatic material, occasional to trace pelecypod fragments and dark grey siltstone lithics, trace disseminated pyrite, moderately firm to hard, nil to trace visual porosity.	No shows
	30	Siltstone: Pale to medium grey brown, medium to dark grey, greenish grey in part, argillaceous to arenaceous, very finely micromicaceous in part, rare weakly dolomitic, trace pelecypod fragments, firm, dominantly subblocky to fissile in part, grading in part to shale.	
1530-1535	80	Sandstone: White to pale grey brown, translucent, occasionally pale grey green, very fine to fine grained, well sorted, subrounded, strong siliceous cement, common authigenic quartz overgrowths, locally weak white to pale grey argillaceous matrix, occasional dark siltstone lithics, rare brownish grey phosphatic material, trace disseminated pyrite, hard, nil to trace visual porosity.	No shows
	20	Siltstone: Pale to medium grey brown, medium to dark grey, greenish grey in part, argillaceous to arenaceous, very finely micromicaceous in part, rare weakly dolomitic, firm, dominantly subblocky to fissile in part, grading in part to shale.	
1535-1540	70	Sandstone: Off white to pale grey brown, pale grey green, translucent, rare to occasionally very pale pink, very fine to fine grained, well sorted, subrounded, strong siliceous cement, common authigenic quartz overgrowths, locally weak white argillaceous matrix, rare dark lithic inclusions, trace disseminated pyrite, hard, nil to trace visual porosity.	No shows
	30	Siltstone: Medium to dark grey, pale to medium grey brown in part, arenaceous to argillaceous, grading in large part to a very fine grained sandstone, very finely micromicaceous in part, hard, subblocky to fissile in part.	
1540-1545	90	Sandstone: Off white to pale grey, translucent, occasionally pale to medium green grey, trace light pink brown, very fine to fine grained, well sorted, subrounded, strong siliceous cement, common authigenic quartz overgrowths, locally weak off white argillaceous matrix, rare dark lithic inclusions, hard, nil visual porosity. nodules, nil visual porosity.	No shows
	10	Siltstone: Medium to dark grey, pale to medium grey green in part, argillaceous to siliceous, very finely micromicaceous in part, hard, subblocky to subfissile.	
1545-1550	90	Siltstone: Dominantly brown red oxidised, pale to medium grey green in part, occasionally pale to medium grey, mottled in part, argillaceous, commonly very finely micromicaceous, hard, subblocky to subfissile.	No shows
	10	Sandstone: Off white to pale grey, translucent, occasionally pale to medium green grey, trace light pink brown, very fine to fine grained, well sorted, subrounded, strong siliceous cement, common authigenic quartz overgrowths, locally weak off white argillaceous matrix, rare dark lithic inclusions, hard, nil visual porosity. nodules, nil visual porosity.	

1550-1555	50	Sandstone: Off white to pale grey, translucent, occasionally pale to medium green grey, trace light pink brown, very fine to fine grained, well sorted, subrounded, strong siliceous cement, common authigenic quartz overgrowths, locally weak off white argillaceous matrix, rare dark lithic inclusions, hard, nil visual porosity. nodules, nil visual porosity.	No shows
	50	Siltstone: Dominantly brown red oxidised, pale to medium grey green in part, occasionally pale to medium grey, mottled in part, argillaceous, commonly very finely micromicaceous, hard, subblocky to subfissile.	
1555-1560	80	Siltstone: Medium grey, pale to medium grey green, trace red brown oxidised, mottled in part, argillaceous to very finely arenaceous, commonly very finely micromicaceous, hard, subblocky to subfissile.	No shows
	20	Sandstone: White to very pale grey, pale to medium green, rare light pink brown, very fine to fine grained, well sorted, subrounded, strong siliceous cement, common authigenic quartz overgrowths, locally weak off white argillaceous matrix, rare dark lithic inclusions, hard, nil visual porosity.	
1560-1565	60	Siltstone: Medium to dark grey, pale to medium grey green, trace red brown oxidised, mottled in part, argillaceous to very finely arenaceous, commonly very finely micromicaceous, hard, subblocky to subfissile.	No shows
	40	Sandstone: White to very pale green grey, occasionally very pale pink brown, very fine to fine grained, well sorted, subrounded, strong siliceous cement, common authigenic quartz overgrowths, locally weak off white argillaceous matrix, rare dark lithic inclusions, hard, nil visual porosity.	
	Tr	Shale: Dark grey black, hard, very finely micromicaceous, fissile.	
1565-1570	80	Sandstone: White to pale grey, translucent, rare pale to medium green grey, very fine to fine grained, well sorted, subrounded, strong siliceous cement, common authigenic quartz overgrowths, minor dark lithics, hard, nil visual porosity.	No shows
	45	Siltstone: Medium to dark grey, mottled in part, argillaceous to siliceous, very finely micromicaceous in part, hard, subblocky to fissile, grading in part to shale.	
	Tr	Shale: Dark grey black, siliceous, very finely micromicaceous, hard, fissile to splintery.	
1570-1575	70	Sandstone: Dominantly white to pale grey, translucent, very fine to fine grained, well sorted, subrounded, strong siliceous cement, common authigenic quartz overgrowths, minor dark lithics, hard, nil visual porosity.	No shows
	30	Siltstone: Dominantly light to medium grey, dark grey in part, argillaceous to arenaceous in part, very finely micromicaceous, firm to hard, subblocky to subfissile.	
	Tr	Shale: Dark grey black, siliceous, very finely micromicaceous, hard, fissile to splintery.	

1575-1580	60	Siltstone: Medium to dark grey, argillaceous, occasionally very finely arenaceous, very finely micromicaceous, firm to hard, subblocky to subfissile.	No shows
	40	Sandstone: White to very pale grey, very fine to fine grained, well sorted, subrounded, strong siliceous cement, common authigenic quartz overgrowths, locally weak off white to pale grey argillaceous matrix, rare dark lithic inclusions, hard, nil visual porosity.	
	Tr	Shale: Dark grey black, siliceous, very finely micromicaceous, hard, fissile to splintery.	
1580-1585	80	Siltstone: Dominantly medium grey, light to dark grey in part, dominantly argillaceous to very finely arenaceous in part, occasionally laminated, very finely micromicaceous in part, firm, subblocky to subfissile.	No shows
	20	Sandstone: Off white to dominantly pale grey, very fine grained, well sorted, subrounded, strong siliceous cement, common authigenic quartz overgrowths, locally weak pale grey argillaceous matrix, rare dark lithic inclusions, firm to hard, nil visual porosity.	
	Tr	Shale: Dark grey black, very finely micromicaceous in part, hard, fissile, grading in part to siltstone.	
1585-1590	50	Sandstone: White to pale grey, pale grey brown, very fine to fine grained, well sorted, subrounded to rounded , strong siliceous cement, common authigenic quartz overgrowths, trace off white argillaceous matrix, occasional black pelecypod fragments, hard, nil visual porosity.	No shows
	40	Siltstone: Medium to dark grey, medium grey brown, argillaceous to occasionally very finely arenaceous, very finely micromicaceous in part, occasional disseminated pyrite, firm, subblocky to subfissile.	
	Tr	Shale: Dark grey black, very finely micromicaceous in part, hard, fissile, grading in part to siltstone.	
1590-1595	60	Sandstone: Off white to pale grey, translucent, very fine to fine grained, well sorted, subrounded to rounded , strong siliceous cement, common authigenic quartz overgrowths, occasional dark grey brown siltstone lithics, trace black pelecypod fragments, minor disseminated pyrite, hard, nil visual porosity.	No shows
	40	Siltstone: Medium to dark grey, dark grey brown, argillaceous to occasionally very finely arenaceous, very finely micromicaceous, occasional disseminated pyrite, moderately firm to hard, subblocky to subfissile.	
	Tr	Shale: Dark grey black, very finely micromicaceous, trace disseminated pyrite, hard, fissile.	
1595-1600	70	Sandstone: Off white to pale grey, translucent, very fine to fine grained, well sorted, subrounded to rounded , strong siliceous cement, common authigenic quartz overgrowths, occasional dark grey brown siltstone lithics, occasional black pelecypod fragments, minor disseminated pyrite, hard, nil visual porosity.	No shows
	30	Siltstone: Medium to dark grey, dark grey brown, argillaceous to occasionally very finely arenaceous, very finely micromicaceous, occasional disseminated pyrite, moderately firm to hard, subblocky to subfissile.	
	Tr	Shale: Dark grey black, very finely micromicaceous, trace disseminated pyrite, hard, fissile.	

1600-1605	70	Sandstone: Off white to pale grey, translucent, very fine to fine grained, well sorted, subrounded to rounded, strong siliceous cement, common authigenic quartz overgrowths, occasional dark grey brown siltstone lithics, occasional black pelecypod fragments, minor disseminated pyrite, hard, nil visual porosity.	No shows
	30	Siltstone: Medium to dark grey, dark grey brown, argillaceous to occasionally very finely arenaceous, very finely micromicaceous, occasional disseminated pyrite, moderately firm to hard, subblocky to subfissile.	
	Tr	Shale: Dark grey black, very finely micromicaceous, trace disseminated pyrite, hard, fissile, grading in part to siltstone.	
1605-1610	60	Sandstone: Pale to medium grey, translucent, fine to very fine grained, well sorted, subrounded, strong siliceous cement, common authigenic quartz overgrowths, occasional dark grey brown siltstone lithics, minor black pelecypod fragments, pyritic in part, rare smoky quartz, hard, nil visual porosity.	No shows
	40	Siltstone: Medium to dark grey, dark grey brown, argillaceous to siliceous in part, very finely micromicaceous, common disseminated pyrite, hard, subblocky.	
	Tr	Shale: Dark grey black, very finely micromicaceous, trace disseminated pyrite, hard, fissile, commonly grading to siltstone.	
1610-1615	50	Sandstone: Pale to medium grey, translucent, very fine to fine grained, well sorted, subrounded, strong siliceous cement, common authigenic quartz overgrowths, occasional dark grey brown siltstone lithics, minor black pelecypod fragments, pyritic in part, rare smoky quartz, hard, nil visual porosity.	No shows
	40	Siltstone: Medium to dark grey, dark grey brown, argillaceous to siliceous in part, very finely micromicaceous, common disseminated pyrite, hard, subblocky. Also common light to medium brown grey, arenaceous and commonly grading to a very fine grained sandstone, very finely micromicaceous, moderately firm, subblocky.	
	Tr	Shale: Dark grey to dark grey black, very finely micromicaceous, hard, fissile to splintery, grading to siltstone in part.	
1615-1620	80	Siltstone: Light to medium brown grey, arenaceous, grading in large part to a very fine grained sandstone, very finely micromicaceous, trace disseminated pyrite, firm, subblocky to subfissile.	No shows
	20	Sandstone: Pale to medium grey, translucent, very fine grained, well sorted, subrounded, strong siliceous cement, common authigenic quartz overgrowths, occasional dark grey brown siltstone lithics, minor black pelecypod fragments, pyritic in part, rare smoky quartz, hard, nil visual porosity.	



1620-1625	70	Siltstone: Dominantly as above. Also medium to dark grey, argillaceous, siliceous in part, very finely micromicaceous, common disseminated pyrite, hard, subblocky to subfissile.	No shows
	30	Sandstone: Off white to medium grey, translucent, very fine to fine grained, well sorted, subrounded, strong siliceous cement, common authigenic quartz overgrowths, very finely micromicaceous in part, occasional dark grey siltstone lithics, rare black pelecypod fragments and smoky quartz, trace disseminated pyrite, hard, nil visual porosity.	
	Tr	Shale: Dark grey black, very finely micromicaceous, rare disseminated pyrite, hard, fissile, commonly grading to siltstone.	
1625-1630	80	Sandstone: Off white to medium grey, translucent, very fine to fine grained, well sorted, subrounded, strong siliceous cement, common authigenic quartz overgrowths, occasional disseminated pyrite and pyrite nodules, minor dark grey siltstone lithics and black pelecypod fragments, hard, nil visual porosity.	No shows
	20	Siltstone: Medium to dark grey brown, argillaceous to siliceous, very finely micromicaceous in part, common disseminated pyrite, hard, subblocky to subfissile.	
	Tr	Shale: Dark grey black, very finely micromicaceous in part, occasional disseminated pyrite, fissile, hard, occasionally sheared and slickensided.	
1630-1635	60	Siltstone: Medium to dark grey brown, argillaceous to siliceous, very finely micromicaceous in part, common disseminated pyrite, hard, subblocky to subfissile. Also light to medium brown, arenaceous and commonly grading to a very fine grained sandstone, very finely micromicaceous in part, common disseminated pyrite, firm, subblocky to subfissile.	No shows
	40	Sandstone: Off white to medium grey, translucent, very fine to fine grained, well sorted, subrounded, strong siliceous cement, common authigenic quartz overgrowths, occasional disseminated pyrite and pyrite nodules, minor dark grey siltstone lithics and black pelecypod fragments, hard, nil visual porosity.	
	Tr	Shale: Dark grey black, very finely micromicaceous in part, occasional disseminated pyrite, fissile, hard, rare sheared and slickensided.	
1635-1640	80	Sandstone: Off white to medium grey, translucent, rare pale green grey, very fine to fine grained, well sorted, subrounded, strong siliceous cement, common authigenic quartz overgrowths, minor disseminated pyrite, rare black pelecypod fragments and dark grey siltstone lithics, hard, nil visual porosity.	No shows.
	20	Siltstone: Medium to dark grey, argillaceous to siliceous in part, very finely micromicaceous in part, rare disseminated pyrite, hard, subblocky to subfissile.	
	Tr	Shale: Dark grey black, very finely micromicaceous in part, hard, fissile, commonly grading to siltstone.	

1640-1645	80  20  5	Sandstone: Dominantly off white to medium grey, translucent, occasionally pale green grey, minor very pale pink oxidised, very fine to fine grained, well sorted, subrounded to rounded, strong siliceous cement, common authigenic quartz overgrowths, rare black pelecypod fragments and dark grey siltstone lithics, rare pyrite nodules and disseminations, hard, nil visual porosity. Siltstone: Medium to dark grey, argillaceous to siliceous in part, very finely micromicaceous in part, common disseminated pyrite, hard, subblocky to subfissile. Shale: Dark grey black to black, very finely micromicaceous, common disseminated pyrite, hard, fissile.	No shows
1645-1650	80  20  Tr	Sandstone: Dominantly white to medium grey, translucent, occasionally pale green grey, minor very pale pink oxidised, very fine to fine grained, well sorted, subrounded to rounded, strong siliceous cement, common authigenic quartz overgrowths, rare black pelecypod fragments and dark grey siltstone lithics, rare pyrite nodules and disseminations, hard, nil visual porosity. Siltstone: Medium to dark grey, argillaceous to siliceous in part, very finely micromicaceous in part, common disseminated pyrite, hard, subblocky to subfissile. Shale: Dark grey black to black, very finely micromicaceous, common disseminated pyrite, hard, fissile.	No shows
1650-1655	90  10  Tr	Sandstone: Dominantly white to pale grey, medium grey, translucent, occasionally pale green grey, rare pink brown oxidised, very fine to fine grained, well sorted, subrounded to rounded, strong siliceous cement, common authigenic quartz overgrowths, occasional pyrite nodules and disseminations, rare black pelecypod fragments and dark grey lithic inclusions, hard, nil visual porosity. Siltstone: Medium to dark grey, argillaceous to siliceous in part, very finely micromicaceous in part, common disseminated pyrite, hard, subblocky to subfissile. Shale: Dark grey black to black, very finely micromicaceous, common disseminated pyrite, hard, fissile.	No shows
1655-1660	90  10	Sandstone: Dominantly white to pale grey, medium grey, translucent, occasionally pale green grey, rare pink brown oxidised, very fine to fine grained, well sorted, subrounded to rounded, strong siliceous cement, common authigenic quartz overgrowths, occasional pyrite nodules and disseminations, rare black pelecypod fragments and dark grey lithic inclusions, hard, nil visual porosity. Siltstone: medium to dark grey, argillaceous, siliceous in part, occasional fine sandstone interlamination, common disseminated pyrite, very finely micromicaceous in part, firm, subblocky to subfissile, grading in part to shale.	No shows

1660-1665	90	Sandstone: Dominantly off white to pale grey, medium grey, translucent, occasionally pale green grey, minor pale to medium pink brown oxidised, very fine to fine grained, well sorted, subrounded to rounded, strong siliceous cement, common quartz overgrowths, locally weak pink brown argillaceous matrix, occasional pyrite, trace black pelecypod fragments, firm to hard, nil to trace visual porosity.	Subtle gradual increase in background gas from 150 to 270 units.
	10	Siltstone: Dominantly medium to dark grey, argillaceous to siliceous in part, occasionally very finely micromicaceous, trace disseminated pyrite, firm, subblocky to subfissile, grading in part to shale. Also trace pink brown to brick red oxidised, argillaceous, very finely arenaceous in part and grading to a very fine grained sandstone, very finely micromicaceous, moderately firm, subblocky to subfissile.	
1665-1670	80	Sandstone: Dominantly off white to pale grey, medium grey, translucent, occasionally pale green grey, minor pale to medium pink brown oxidised, very fine to fine grained, well sorted, subrounded to rounded, strong siliceous cement, common quartz overgrowths, locally weak pink brown argillaceous matrix, occasional pyrite, trace black pelecypod fragments, firm to hard, nil to trace visual porosity.	No shows
	20	Siltstone: Dominantly medium to dark grey, argillaceous to siliceous in part, occasionally very finely micromicaceous, trace disseminated pyrite, firm, subblocky to subfissile, grading in part to shale. Also trace pink brown to brick red oxidised, argillaceous, very finely arenaceous in part and grading to a very fine grained sandstone, very finely micromicaceous, moderately firm, subblocky to subfissile.	
1670-1675	80	Sandstone: White to medium grey, translucent, common pale to medium green grey, rare pink brown oxidised, very fine to fine grained, well sorted, subrounded to rounded, strong siliceous cement, common quartz overgrowths, trace black pelecypod fragments and dark grey lithic inclusions, trace pyrite, hard, trace to nil visual porosity.	No shows
	20	Siltstone: Dominantly medium to dark grey, argillaceous to siliceous in part, occasionally very finely micromicaceous, trace disseminated pyrite, firm, subblocky to subfissile, grading in part to shale. Also trace pink brown to brick red oxidised, argillaceous, very finely arenaceous in part and grading to a very fine grained sandstone, very finely micromicaceous, moderately firm, subblocky to subfissile.	
	Tr	Shale: Dark grey black, very finely micromicaceous in part, hard, fissile to splintery, grading in part to siltstone.	

1675-1680	80	Sandstone: White to medium grey, translucent, pale to medium green grey, pink brown oxidised in part, very fine to fine grained, well sorted, subrounded to rounded, strong siliceous cement, common quartz overgrowths, trace black pelecypod fragments and dark grey lithic inclusions, trace pyrite, hard, trace to nil visual porosity.	No shows
	20	Siltstone: Medium to dark grey, dark grey black, argillaceous, siliceous in part, very finely micromicaceous in part, trace disseminated pyrite, firm, subblocky to subfissile. Also commonly pink brown to brick red oxidised, argillaceous to commonly very finely arenaceous and grading to a very fine grained sandstone, very finely micromicaceous in part, rarely pyritic, moderately firm, subblocky to subfissile.	
	Tr	Shale: dark grey black, very finely micromicaceous in part, trace pyrite, hard, fissile to splintery, grading in part to siltstone.	
1680-1685	80	Sandstone: White to medium grey, translucent, pale to medium green grey, rare pink brown oxidised, very fine to fine grained, well sorted, subrounded to rounded, strong siliceous cement, common quartz overgrowths, trace black pelecypod fragments and dark grey lithic inclusions, trace pyrite, hard, trace to nil visual porosity.	No shows
	20	Siltstone: Medium to dark grey, dark grey black, argillaceous, siliceous in part, very finely micromicaceous in part, trace disseminated pyrite, firm, subblocky to subfissile. Also rare pink brown to brick red oxidised, argillaceous to commonly very finely arenaceous and grading to a very fine grained sandstone, very finely micromicaceous in part, rarely pyritic, moderately firm, subblocky to subfissile.	
	Tr	Shale: dark grey black, very finely micromicaceous in part, trace pyrite, hard, fissile to splintery, grading in part to siltstone.	
1685-1690	80	Sandstone: White to medium grey, translucent, pale to medium green grey, rare pink brown oxidised, very fine to fine grained, well sorted, subrounded to rounded, strong siliceous cement, common quartz overgrowths, trace black pelecypod fragments and dark grey lithic inclusions, trace pyrite, hard, trace to nil visual porosity.	No shows
	20	Siltstone: Medium to dark grey, dark grey black, argillaceous, siliceous in part, very finely micromicaceous in part, trace disseminated pyrite, firm, subblocky to subfissile. Also rare pink brown to brick red oxidised, argillaceous to commonly very finely arenaceous and grading to a very fine grained sandstone, very finely micromicaceous in part, rarely pyritic, moderately firm, subblocky to subfissile.	
	Tr	Shale: dark grey black, very finely micromicaceous in part, trace pyrite, hard, fissile to splintery, grading in part to siltstone.	

1690-1695	90	Sandstone: White to pale grey, translucent, dominantly very fine to fine grained, occasionally medium grained, moderately well sorted, subrounded, strong siliceous cement, common quartz overgrowths, trace fine pelecypod fragments, firm, nil to trace visual porosity.	No shows
	10	Siltstone: Medium to dark grey, dark grey black, argillaceous, siliceous in part, very finely micromicaceous in part, occasional disseminated pyrite, firm, subblocky to subfissile, grading in part to shale.	
1695-1700	90	Sandstone: White to pale grey, translucent, rare pale green grey, dominantly very fine to fine grained, occasionally medium grained, moderately well sorted, subrounded, strong siliceous cement, common quartz overgrowths, rarely pyritic, trace fine pelecypod fragments, firm, nil to trace visual porosity.	No shows
	10	Siltstone: Medium to dark grey, dark grey black, argillaceous, siliceous in part, very finely micromicaceous in part, occasional disseminated pyrite, firm, subblocky to subfissile, grading in part to shale.	
1700-1705	100	Sandstone: Off white to pale grey, translucent, rare pale green grey and pale pink, dominantly very fine to fine grained, rare medium grained, moderately well sorted, subrounded, strong siliceous cement, common quartz overgrowths, trace fine black pelecypod fragments, rare pyrite, firm to hard, nil to trace visual porosity.	No shows
	Tr	Siltstone: Medium to dark grey, dark grey black, argillaceous, siliceous in part, very finely micromicaceous in part, occasional disseminated pyrite, firm, subblocky to subfissile, grading in part to shale.	
1705-1710	100	Sandstone: White to pale grey, occasionally pale to medium green grey, rare pink brown oxidised, dominantly very fine to fine grained, occasional medium to rare coarse grained, bimodal grain size distribution, subrounded to rounded, strong siliceous cement, common quartz overgrowths, trace fine black pelecypod fragments and dark grey siltstone lithics, hard, nil to trace visual porosity.	No shows
	Tr	Siltstone: Dark grey black, argillaceous, siliceous, very finely micromicaceous in part, rare disseminated pyrite, firm to hard, subblocky to subfissile.	
1710-1715	100	Sandstone: White to pale grey, common pale to medium green grey, occasionally pink brown oxidised, dominantly very fine to fine grained, common medium to occasionally coarse quartz grains, bimodal grain size distribution, subrounded to rounded, strong siliceous cement, common quartz overgrowths, trace fine black pelecypod fragments and dark grey siltstone lithics, hard, nil to trace visual porosity.	No shows
	Tr	Siltstone: Dark grey black, argillaceous, siliceous, very finely micromicaceous in part, rare disseminated pyrite, firm to hard, subblocky to subfissile.	

1715-1720	100	Sandstone: White to pale grey, common pale to medium green grey, occasionally pink brown oxidised, dominantly very fine to fine grained, common medium to occasionally coarse quartz grains, bimodal grain size distribution, subrounded to rounded, strong siliceous cement, common quartz overgrowths, trace fine black pelecypod fragments and dark grey siltstone lithics, hard, nil to trace visual porosity.	No shows
	Tr	Siltstone: Dark grey black, argillaceous, siliceous, very finely micromicaceous in part, rare disseminated pyrite, firm to hard, subblocky to subfissile. Also light to medium grey, medium brown grey, siliceous, abundant micromica, firm, subblocky to subfissile.	
1720-1725	90	Sandstone: Dominantly off white to medium grey, translucent, pale to medium green grey, common pink brown oxidised, mottled in part, dominantly fine to very fine grained, common medium to coarse grained, bimodal grain size distribution, moderately well sorted, subrounded to rounded, strong siliceous cement, common quartz overgrowths, rare fine black pelecypod fragments, trace nodular pyrite, hard, nil to trace visual porosity porosity.	No shows
	10	Siltstone: Dark grey black, argillaceous, siliceous, very finely micromicaceous in part, rare disseminated pyrite, firm to hard, subblocky to subfissile. Also light to medium grey, medium brown grey, siliceous, abundant micromica, firm, subblocky to subfissile.	
1725-1730	100	Sandstone: Off white to medium grey, pale to medium grey brown, translucent, pale to medium green grey, pink red oxidised, dominantly fine to very fine grained, common medium to coarse grained, bimodal grain size distribution, moderately well sorted, subrounded to rounded, strong siliceous cement, common quartz overgrowths, rare fine black pelecypod fragments, trace nodular pyrite, hard, nil to trace visual porosity porosity.	No shows
	Tr	Siltstone: Dark grey black, argillaceous, siliceous, very finely micromicaceous in part, rare disseminated pyrite, firm to hard, subblocky to subfissile. Also light to medium grey, medium brown grey, siliceous, abundant micromica, firm, subblocky to subfissile.	
	10		
1730-1735	70	Sandstone: Off white to medium grey, pale to medium grey brown, translucent, pale to medium green grey, pink red oxidised, dominantly fine to very fine grained, common medium to coarse grained, bimodal grain size distribution, moderately well sorted, subrounded to rounded, strong siliceous cement, common quartz overgrowths, rare fine black pelecypod fragments, trace nodular pyrite, hard, nil to trace visual porosity porosity.	No shows
	30	Siltstone: Medium to dark grey, medium grey brown, dominantly argillaceous, siliceous and arenaceous in part, commonly very finely micromicaceous, firm, subblocky to subfissile, grading in part to shale.	

1735-1740	90	Sandstone: White to medium grey, pale brown, pale to medium green grey, very pale pink brown oxidised, fine to very fine grained, rare medium grained, well sorted, subrounded, strong siliceous cement, common quartz overgrowths, rare fine black pelecypod fragments, hard, nil visual porosity.	No shows
	10	Siltstone: Medium to dark grey, medium grey brown, dominantly argillaceous, siliceous and arenaceous in part, commonly very finely micromicaceous, firm, subblocky to subfissile, grading in part to shale.	
1740-1745	100	Sandstone: White to medium grey, pale brown, pale to medium green grey, very pale pink brown oxidised, mottled in part, fine to very fine grained, well sorted, subrounded to rounded, strong siliceous cement, common quartz overgrowths, trace very fine black pelecypod fragments, hard, nil visual porosity.	No shows
	Tr	Siltstone: Medium to dark grey, medium grey brown, dominantly argillaceous, siliceous and arenaceous in part, commonly very finely micromicaceous, firm, subblocky to subfissile, grading in part to shale.	
1745-1750	90	Sandstone: White to medium grey brown, pale brown, pale to medium green grey, pale pink brown oxidised in part, dominantly fine to very fine grained, commonly medium to rare quartz grains, bimodal grain size distribution, moderately sorted, subrounded to rounded, strong siliceous cement, common quartz overgrowths, occasional very fine black pelecypod fragments, hard, nil to trace visual porosity.	No shows
	10	Siltstone: Medium grey to medium grey brown, grey black in part, arenaceous to siliceous, commonly grading to a very fine grained sandstone, very finely micromicaceous, hard, subblocky to subfissile.	
1750-1755	80	Sandstone: White to medium grey, pale to medium grey brown, pale to medium green grey, pale pink brown oxidised in part, dominantly very fine to fine grained, occasionally medium to very coarse grained, bimodal grain size distribution, moderately sorted, subrounded to rounded, strong siliceous cement, common quartz overgrowths and occasional pale grey green siltstone lithics, rare fine black pelecypod fragments, hard, nil visual porosity.	No shows
	20	Siltstone: Medium to dark grey brown, arenaceous to siliceous, commonly grading to a very fine to fine grained sandstone, commonly very finely micromicaceous, common disseminated pyrite, hard, subblocky to rarely subfissile.	

1755-1760	70	Sandstone: White to medium grey, pale to medium grey brown, pale to medium green grey, pale pink brown oxidised in part, dominantly very fine to fine grained, occasionally medium to very coarse grained, bimodal grain size distribution, moderately sorted, subrounded to rounded, strong siliceous cement, common quartz overgrowths, occasional pale grey green siltstone lithics, rare fine black pelecypod fragments, hard, nil visual porosity.	No shows
	20	Siltstone: Medium to dark grey brown, arenaceous to siliceous, commonly grading to a very fine to fine grained sandstone, commonly very finely micromicaceous, common disseminated pyrite, hard, subblocky to rarely subfissile.	
1765-1770	70	Sandstone: White to pale grey, translucent, fine to medium grained, moderately well sorted, rounded to subrounded, moderately strong siliceous cement, common quartz overgrowths, generally clean with occasional black pelecypod fragments, pyritic in part (rare nodular), firm, trace to nil visual porosity.	No shows
	30	Siltstone: Pale to dominantly medium brown grey, argillaceous to arenaceous, siliceous, commonly very finely micromicaceous, commonly pyritic, firm to hard, dominantly subblocky to subfissile.	
1770-1775	70	Sandstone: White to pale grey, translucent, fine to medium grained, moderately well sorted, rounded to subrounded, moderately strong siliceous cement, common quartz overgrowths, generally clean with occasional black pelecypod fragments, pyritic in part (rare nodular), firm, trace to nil visual porosity.	No shows
	30	Siltstone: Pale to dominantly medium brown grey, argillaceous to arenaceous, siliceous, commonly very finely micromicaceous, commonly pyritic, firm to hard, dominantly subblocky to subfissile.	
1775-1780	90	Sandstone: Off white to pale grey, translucent, rare pale pink quartzitic, fine to dominantly medium grained, moderately well sorted, subrounded to rounded, moderate to strong siliceous cement, common quartz overgrowths, generally clean with occasional black pelecypod fragments and dark grey siltstone lithics, occasionally pyritic, hard, trace visual porosity.	No shows
	10	Siltstone: Medium to very dark grey, occasionally medium brown grey, argillaceous, siliceous to arenaceous in part, very finely micromicaceous, occasionally pyritic (rare nodular), hard, subblocky to fissile, grading in part to shale.	
1780-1785	90	Sandstone: Off white to pale brown grey, translucent, dominantly fine to medium grained, commonly coarse grained, moderately sorted, subrounded to rounded, moderate siliceous cement, occasional to common quartz overgrowths, generally as clean sand, rare to locally abundant fine nodular pyrite, occasional fine black pelecypod fragments, hard, trace visual porosity.	No shows
	10	Siltstone: medium to dark grey, medium brown grey, argillaceous to arenaceous, grading in part to a very fine to fine grained siliceous sandstone, very finely micromicaceous, occasional to abundant pyritisation (finely nodular in part), hard, subblocky to subfissile.	



1785-1790	70  30	Sandstone: White to pale grey, pale grey brown, translucent, fine to medium grained, rare coarse grained, moderately well sorted, subrounded to rounded, strong siliceous cement, common quartz overgrowths, dominantly clean, occasional dark grey siltstone lithics and fine black pelecypod fragments, common fine nodular pyrite (massive in part), hard, nil to trace visual porosity. Siltstone: Medium to dark grey, dark grey brown, grey black in part, argillaceous to siliceous, very finely micromicaceous, common nodular and disseminated pyrite, hard, subblocky to fissile, grading in part to shale.	No shows
1790-1795	60  40  Tr	Sandstone: White to pale grey, pale to occasionally medium grey brown, translucent, dominantly fine to occasionally medium grained, moderately well sorted, subrounded to rounded, strong siliceous cement, common quartz overgrowths, occasional dark grey lithic inclusions and fine black pelecypod fragments, common fine pyrite nodules and disseminations, hard, nil to trace visual porosity. Siltstone: Medium to dark grey, dark grey brown, grey black in part, argillaceous to siliceous, very finely micromicaceous, common nodular and disseminated pyrite, hard, subblocky to fissile, grading in part to shale. Shale: Dark grey black, argillaceous, siliceous to arenaceous, very finely micromicaceous, commonly pyritic, hard, fissile.	No shows
1795-1800	60  40  Tr	Sandstone: Off white to medium grey, medium brown grey, dominantly fine to rarely medium grained, moderately well to well sorted, subrounded, strong siliceous cement, common quartz overgrowths, locally weak dolomitic cement, common to locally abundant fine pyrite nodules and disseminations, occasional dark grey lithic inclusions and fine black pelecypod fragments, hard, nil visual porosity. Siltstone: Medium to dark grey, dark grey brown, grey black in part, argillaceous to siliceous, abundant fine pyrite nodules and disseminations, hard, subblocky to subfissile, grading in part to shale. Shale: Dark grey black, argillaceous, siliceous to arenaceous, very finely micromicaceous, commonly pyritic, hard, fissile.	No shows
1800-1805	60  30  10	Siltstone: Medium to dark grey, dark grey brown, grey black in part, argillaceous to siliceous, abundant fine pyrite nodules and disseminations, hard, subblocky to subfissile, grading in part to shale. Sandstone: Pale to medium brown grey, fine grained, well sorted, subrounded, strong siliceous cement, common quartz overgrowths, weak to locally moderately dolomitic cement, common fine pyrite nodules and disseminations, very finely micromicaceous in part, locally common lithic inclusions, hard, nil visual porosity. Shale: Medium to dark grey, dark grey brown, argillaceous to siliceous, commonly pyritic, very finely micromicaceous in part, hard, fissile to splintery, silty and grading in part to siltstone.	No shows

1805-1810	80	Siltstone: Medium to very dark grey, medium to dark grey brown, argillaceous, siliceous and dolomitic in part, common disseminated pyrite, locally abundant fine pyrite nodules, very finely micromicaceous in part, hard, subblocky to subfissile, grading in part to shale.	No shows
	20	Sandstone: Off white to pale grey, pale to medium grey brown, very fine to fine grained, well sorted, subrounded, strong siliceous cement, dolomitic cement in part and grading to a sandy dolomite, common fine pyrite nodules and disseminations, occasional dark grey siltstone lithics, hard, nil visual porosity.	
1810-1815	70	Siltstone: Medium to very dark grey, medium to dark grey brown, argillaceous, siliceous and dolomitic in part, common disseminated pyrite, locally abundant fine pyrite nodules, very finely micromicaceous in part, hard, subblocky to subfissile, grading in part to shale.	No shows
	20	Sandstone: Off white to pale grey, pale to medium grey brown, very fine to fine grained, well sorted, subrounded, strong siliceous cement, dolomitic cement in part and grading to a sandy dolomite, common fine pyrite nodules and disseminations, occasional dark grey siltstone lithics, hard, nil visual porosity.	
	10	Dolomitic Limestone: Medium to dark grey, dark brown grey, sandy and grading to a dolomitic sandstone, hard, brittle, blocky, subconchoidal fracture in part.	
1815-1820	50	Siltstone: Medium to very dark grey, medium to dark grey brown, argillaceous, siliceous and dolomitic in part, common disseminated pyrite, locally abundant fine pyrite nodules, very finely micromicaceous in part, hard, subblocky to subfissile, grading in part to shale.	No shows
	30	Sandstone: Off white to pale grey, pale to medium grey brown, very fine to fine grained, well sorted, subrounded, strong siliceous cement, dolomitic cement in part and grading to a sandy dolomite, common fine pyrite nodules and disseminations, occasional dark grey siltstone lithics, hard, nil visual porosity.	
	20	Dolomitic Limestone: Medium to dark grey, dark brown grey, sandy and grading to a dolomitic sandstone, hard, brittle, blocky, subconchoidal fracture in part.	
1820-1825	50	Siltstone: Medium to very dark grey, medium to dark grey brown, argillaceous, siliceous and dolomitic in part, common disseminated pyrite, locally abundant fine pyrite nodules, very finely micromicaceous in part, hard, subblocky to subfissile, grading in part to shale.	No shows
	30	Dolomitic Limestone: Medium to dark grey, dark brown grey, sandy and grading to a dolomitic sandstone, hard, brittle, blocky, subconchoidal fracture in part.	
	20	Sandstone: Off white to pale grey, pale to medium grey brown, very fine to fine grained, well sorted, subrounded, strong siliceous cement, dolomitic cement in part and grading to a sandy dolomite, common fine pyrite nodules and disseminations, occasional dark grey siltstone lithics, hard, nil visual porosity.	

1825-1830	80	Siltstone: Medium to dark grey, medium to dark grey brown, argillaceous to arenaceous, dolomitic in part, common disseminated pyrite, very finely micromicaceous in part, hard, subblocky to fissile, grading in part to shale.	No shows
	10	Sandstone: Off white to medium grey brown, very fine grained, well sorted, subrounded, strong dolomitic/siliceous cement, locally common pale grey brown argillaceous matrix, grading in large part to a sandy dolomite, occasionally to locally common pyrite disseminations and fine nodular pyrite, occasional dark grey siltstone lithics, hard, nil visual porosity.	
	10	Dolomitic Limestone: Dolomitic Limestone: Medium to dark grey, dark brown grey, sandy and grading to a dolomitic sandstone, hard, brittle, blocky, subconchoidal fracture in part.	
1830-1835	60	Siltstone: Medium to dark grey, medium to dark grey brown, argillaceous to arenaceous, dolomitic in part, common disseminated pyrite, very finely micromicaceous in part, hard, subblocky to fissile, grading in part to shale.	No shows
	30	Dolomitic Limestone: Dolomitic Limestone: Medium to dark grey, dark brown grey, sandy and grading to a dolomitic sandstone, hard, brittle, blocky, subconchoidal fracture in part.	
	10	Sandstone: Off white to medium grey brown, very fine grained, well sorted, subrounded, strong dolomitic/siliceous cement, locally common pale grey brown argillaceous matrix, grading in large part to a sandy dolomite, occasionally to locally common pyrite disseminations and fine nodular pyrite, occasional dark grey siltstone lithics, hard, nil visual porosity.	
1835-1840	70	Siltstone: Medium to dark grey, medium to dark grey brown, argillaceous to arenaceous, dolomitic in part, common disseminated pyrite, very finely micromicaceous in part, hard, subblocky to fissile, grading in part to shale.	No shows
	20	Dolomitic Limestone: Dolomitic Limestone: Medium to dark grey, dark brown grey, sandy and grading to a dolomitic sandstone, hard, brittle, blocky, subconchoidal fracture in part.	
	10	Sandstone: Off white to medium grey brown, very fine grained, well sorted, subrounded, strong dolomitic/siliceous cement, locally common pale grey brown argillaceous matrix, grading in large part to a sandy dolomite, occasionally to locally common pyrite disseminations and fine nodular pyrite, occasional dark grey siltstone lithics, hard, nil visual porosity.	

1840-1845	80	Siltstone: Medium to dark grey, medium to dark grey brown, argillaceous to arenaceous, dolomitic in part, common disseminated pyrite, very finely micromicaceous in part, hard, subblocky to fissile, grading in part to shale.	No shows
	20	Dolomitic Limestone: Dolomitic Limestone: Medium to dark grey, dark brown grey, sandy and grading to a dolomitic sandstone, hard, brittle, blocky, subconchoidal fracture in part.	
	Tr	Sandstone: Off white to medium grey brown, very fine grained, well sorted, subrounded, strong dolomitic/siliceous cement, locally common pale grey brown argillaceous matrix, grading in large part to a sandy dolomite, occasionally to locally common pyrite disseminations and fine nodular pyrite, occasional dark grey siltstone lithics, hard, nil visual porosity.	
1845-1850	80	Siltstone: Dominantly medium to dark brown grey, medium to dark grey, argillaceous to arenaceous, dolomitic in part, abundant disseminated pyrite, commonly very finely micromicaceous, hard, blocky to fissile, grading in part to shale.	No shows
	20	Dolomitic Limestone: Pale to medium brown grey, sandy and grading to a dolomitic sandstone, occasional disseminated pyrite, hard, subblocky.	
1850-1855	90	Siltstone: Dominantly medium to dark brown grey, medium to dark grey, argillaceous to arenaceous, dolomitic in part, abundant disseminated pyrite, commonly very finely micromicaceous, hard, blocky to fissile, grading in part to shale.	No shows
	10	Dolomitic Limestone: Pale to medium grey brown, sandy in part, occasionally grading to a dolomitic sandstone, occasional disseminated pyrite, hard, blocky, white sparitic in part.	
1855-1860	70	Siltstone: Dominantly medium to dark brown grey, medium to dark grey, argillaceous to arenaceous, dolomitic in part, abundant disseminated pyrite, commonly very finely micromicaceous, hard, blocky to fissile, grading in part to shale.	No shows
	20	Shale: Dark grey, very finely micromicaceous, common disseminated pyrite, dolomitic in part, hard, fissile to splintery.	
	10	Dolomitic Limestone: Pale to medium grey brown, sandy in part, occasionally grading to a dolomitic sandstone, occasional disseminated pyrite, hard, blocky, white sparitic in part.	
1860-1865	70	Siltstone: Dominantly medium to dark brown grey, medium to dark grey, argillaceous to arenaceous, dolomitic in part, abundant disseminated pyrite, commonly very finely micromicaceous, hard, blocky to fissile, grading in part to shale.	No shows
	20	Shale: Dark grey, very finely micromicaceous, common disseminated pyrite, dolomitic in part, hard, fissile to splintery.	
	Tr	Dolomitic Limestone: Pale to medium grey brown, sandy in part, occasionally grading to a dolomitic sandstone, occasional disseminated pyrite, hard, blocky, white sparitic in part.	

1865-1870	80	Siltstone: Dominantly medium to dark brown grey, medium to dark grey, argillaceous to arenaceous, dolomitic in part, abundant disseminated pyrite, commonly very finely micromicaceous, hard, blocky to fissile, grading in part to shale.	No shows
	10	Shale: Dark grey, very finely micromicaceous, common disseminated pyrite, dolomitic in part, hard, fissile to splintery.	
	10	Dolomitic Limestone: Pale to medium grey brown, sandy in part, occasionally grading to a dolomitic sandstone, occasional disseminated pyrite, hard, blocky, white sparitic in part.	
1870-1875	50	Siltstone: Medium to dark grey, medium to dark brown grey, argillaceous to arenaceous, dolomitic in part, abundant disseminated pyrite, commonly very finely micromicaceous, hard, blocky to fissile, grading in part to shale.	No shows
	30	Limestone: Pale to medium grey brown, medium to dark grey, sandy, dolomitic in part and grading to a dolomitic/calcareous sandstone, occasional disseminated pyrite, sparitic in part, hard, blocky.	
	20	Shale: Dark grey, very finely micromicaceous, common disseminated pyrite, dolomitic in part, hard, fissile to splintery.	
1875-1880	60	Siltstone: Medium to dark grey, medium to dark brown grey, argillaceous to arenaceous, dolomitic to calcareous in part, abundant disseminated pyrite, commonly very finely micromicaceous, hard, blocky to fissile, grading in part to shale.	No shows
	20	Shale: Dark grey brown to dark grey, very finely micromicaceous, common disseminated pyrite, calcareous to dolomitic in part, hard, fissile.	
	20	Limestone: Pale to medium grey brown, medium to dark grey, sandy, dolomitic in part and grading to a dolomitic/calcareous sandstone, occasional disseminated pyrite, sparitic in part, hard, blocky.	
1880-1885	50	Siltstone: Medium to dark brown grey, medium to dark grey, dominantly arenaceous to argillaceous in part, dolomitic to calcareous in part, commonly very finely micromicaceous, occasional to abundant disseminated pyrite, hard, blocky to fissile, grading in part to shale.	Formation gas peaks at: 1880.5 m (440/21 units) and 1881.5 (500/146 units)
	30	Limestone: Pale to medium grey brown, medium to dark grey, commonly sandy, occasional dolomitic, grading in part to a very fine grained dolomitic/calcareous sandstone, rare disseminated pyrite, sparitic in part, hard, blocky.	
	Tr	Shale: Dark grey brown to dark grey, very finely micromicaceous, common disseminated pyrite, calcareous to dolomitic in part, hard, fissile.	

1885-1890	60	Siltstone: Medium to dark brown grey, medium to dark grey, dominantly arenaceous to argillaceous in part, dolomitic to calcareous in part, commonly very finely micromicaceous, occasional to abundant disseminated pyrite, hard, blocky to fissile, grading in part to shale.	No shows
	30	Limestone: Pale to medium grey brown, medium to dark grey, commonly sandy, occasional dolomitic, grading in part to a very fine grained dolomitic/calcareous sandstone, rare disseminated pyrite, sparitic in part, hard, blocky.	
	10	Shale: Dark grey brown to dark grey, very finely micromicaceous, common disseminated pyrite, calcareous to dolomitic in part, hard, fissile.	
1890-1895	50	Siltstone: Medium to dark grey, medium to dark grey brown, dominantly argillaceous to arenaceous in part, dolomitic to slightly calcareous in part very finely micromicaceous in part, occasionally pyritic, hard, blocky to fissile, grading in part to shale.	No shows
	30	Shale: Dark grey brown to dark grey, very finely micromicaceous, common disseminated pyrite, calcareous to dolomitic in part, hard, fissile.	
	20	Limestone: Pale to medium grey brown, medium to dark grey, commonly sandy, occasional dolomitic, occasionally grading to a very fine grained dolomitic/calcareous sandstone, rare disseminated pyrite, sparitic in part, hard, blocky.	
1895-1900	50	Siltstone: Medium to dark grey, medium to dark grey brown, dominantly argillaceous to arenaceous in part, dolomitic to slightly calcareous in part very finely micromicaceous in part, occasionally pyritic, hard, blocky to fissile, grading in part to shale.	No shows
	30	Shale: Dark grey brown to dark grey, very finely micromicaceous, common disseminated pyrite, calcareous to dolomitic in part, hard, fissile.	
	20	Limestone: Pale to medium grey brown, medium to dark grey, commonly sandy, occasional dolomitic, occasionally grading to a very fine grained dolomitic/calcareous sandstone, rare disseminated pyrite, sparitic in part, hard, blocky.	
1900-1905	60	Siltstone: Medium to dark grey, medium to dark grey brown, dominantly argillaceous to arenaceous in part, dolomitic to slightly calcareous in part very finely micromicaceous in part, occasionally pyritic, hard, blocky to fissile, grading in part to shale.	No shows
	20	Shale: Dark grey brown to dark grey, very finely micromicaceous, common disseminated pyrite, calcareous to dolomitic in part, hard, fissile.	
	20	Limestone: Pale to medium grey brown, medium to dark grey, commonly sandy, occasional dolomitic, occasionally grading to a very fine grained dolomitic/calcareous sandstone, rare disseminated pyrite, sparitic in part, hard, blocky.	

1905-1910	50	Siltstone: Medium to dark grey, medium to dark brown grey, argillaceous to arenaceous in part, dolomitic to commonly calcareous, very finely micromicaceous, pyritic in part, hard, blocky to fissile, grading in part to shale.	No shows
	30	Shale: Medium to dark grey, medium to dark brown grey, very finely micromicaceous, common disseminated pyrite, calcareous to dolomitic in part, hard, fissile.	
	20	Limestone: Pale to medium brown grey, medium to dark grey, commonly sandy, dolomitic in part, grading in part to a calcareous/dolomitic sandstone, occasional disseminated pyrite, sparitic in part, hard, blocky.	
1910-1915	50	Siltstone: Medium to dark grey, medium to dark brown grey, argillaceous to arenaceous in part, dolomitic to commonly calcareous, very finely micromicaceous, pyritic in part, hard, blocky to fissile, grading in part to shale.	No shows
	30	Shale: Medium to dark grey, medium to dark brown grey, very finely micromicaceous, common disseminated pyrite, calcareous to dolomitic in part, hard, fissile.	
	20	Limestone: Pale to medium brown grey, medium to dark grey, commonly sandy, dolomitic in part, grading in part to a calcareous/dolomitic sandstone, occasional disseminated pyrite, sparitic in part, hard, blocky.	
1915-1920	40	Siltstone: Medium to dark grey, medium to dark brown grey, argillaceous to arenaceous in part, dolomitic to commonly calcareous, very finely micromicaceous, pyritic in part, hard, blocky to fissile, grading in part to shale.	No shows
	40	Shale: Medium to dark grey, medium to dark brown grey, very finely micromicaceous, common disseminated pyrite, calcareous to dolomitic in part, hard, fissile.	
	20	Limestone: Pale to medium brown grey, medium to dark grey, commonly sandy, dolomitic in part, grading in part to a calcareous/dolomitic sandstone, occasional disseminated pyrite, sparitic in part, hard, blocky.	
1920-1925	40	Siltstone: Medium to dark grey, medium to dark brown grey, argillaceous to arenaceous in part, dolomitic to commonly calcareous, very finely micromicaceous, pyritic in part, hard, blocky to fissile, grading in part to shale.	No shows
	40	Shale: Medium to dark grey, medium to dark brown grey, very finely micromicaceous, common disseminated pyrite, calcareous to dolomitic in part, hard, fissile.	
	20	Limestone: Pale to medium brown grey, medium to dark grey, commonly sandy, dolomitic in part, grading in part to a calcareous/dolomitic sandstone, occasional disseminated pyrite, sparitic in part, hard, blocky.	
1925-1930	40	Siltstone: Medium to dark grey, medium to dark brown grey, argillaceous to arenaceous in part, dolomitic to commonly calcareous, very finely micromicaceous, pyritic in part, hard, blocky to fissile, grading in part to shale.	No shows
	40	Shale: Medium to dark grey, medium to dark brown grey, very finely micromicaceous, common disseminated pyrite, calcareous to dolomitic in part, hard, fissile.	
	20	Limestone: Pale to medium brown grey, medium to dark grey, commonly sandy, dolomitic in part, grading in part to a calcareous/dolomitic sandstone, occasional disseminated pyrite, sparitic in part, hard, blocky.	

1930-1935	40	Siltstone: Medium to dark grey, medium to dark brown grey, arenaceous to argillaceous, dolomitic to commonly calcareous, very finely micromicaceous, pyritic in part, hard, blocky to fissile, grading in part to shale.	No shows
	30	Shale: Medium to dark grey, medium to dark brown grey, very finely micromicaceous, common disseminated pyrite, calcareous to dolomitic in part, hard, fissile.	
	30	Limestone: Pale to medium brown, pale to dark grey, commonly sandy, dolomitic in part, grading in part to a calcareous/dolomitic sandstone, occasionally pyritic, sparitic in part, hard, blocky.	
1935-1940	40	Siltstone: Medium to dark grey, medium to dark brown grey, arenaceous to argillaceous, dolomitic to commonly calcareous, very finely micromicaceous, pyritic in part, hard, blocky to fissile, grading in part to shale.	No shows
	40	Shale: Medium to dark grey, medium to dark brown grey, very finely micromicaceous, common disseminated pyrite, calcareous to dolomitic in part, hard, fissile.	
	20	Limestone: Pale to medium brown, pale to dark grey, commonly sandy, dolomitic in part, grading in part to a calcareous/dolomitic sandstone, occasionally pyritic, sparitic in part, hard, blocky.	
1940-1945	40	Shale: Dominantly medium to dark grey, dark brown grey in part, very finely micromicaceous, occasional disseminated pyrite, calcareous to dolomitic in part, hard, subfissile to fissile, trace fossiliferous.	No shows
	40	Limestone: Medium to dark brown grey, sandy in part, dolomitic in part, grading in part to a calcareous/dolomitic sandstone, occasional disseminated pyrite, commonly sparitic, hard, blocky.	
	20	Siltstone: Medium to dark brown grey, medium to dark grey, dominantly argillaceous, arenaceous in part, calcareous to dolomitic in part.	
1945-1950	40	Limestone: Medium to dark brown grey, sandy in part, dolomitic in part, grading in part to a calcareous/dolomitic sandstone, occasional disseminated pyrite, commonly sparitic, hard, blocky.	No shows
	30	Siltstone: Medium to dark brown grey, medium to dark grey, dominantly argillaceous, arenaceous in part, calcareous to dolomitic in part.	
	30	Shale: Dominantly medium to dark grey, dark brown grey in part, very finely micromicaceous, occasional disseminated pyrite, calcareous to dolomitic in part, hard, subfissile to fissile, trace fossiliferous.	



1950-1955	30	Siltstone: Medium to dark grey, medium to dark grey brown , dominantly argillaceous, arenaceous in part, calcareous to dolomitic in part.	No shows
	30	Shale: Dominantly medium to dark grey, dark brown grey in part, very finely micromicaceous, common disseminated pyrite, calcareous to dolomitic in part, hard, subfissile to fissile, trace fossiliferous.	
	30	Limestone: Medium to dark brown grey, sandy in part, dolomitic in part, grading in part to a calcareous/dolomitic sandstone, occasional disseminated pyrite, commonly sparitic, hard, blocky.	
	10	Sandstone: Off white, pale to medium brown grey, very fine grained, well sorted, subrounded, moderate to strong calcareous cement, locally weak pale brown argillaceous matrix, common dark lithic inclusions, pale green glauconitic in part, occasionally very finely micromicaceous, pyritic in part, hard, nil visual porosity.	
1955-1960	40	Siltstone: Medium to dark grey, medium to dark grey brown , dominantly argillaceous, arenaceous in part, calcareous to dolomitic in part.	No shows
	30	Shale: Dominantly medium to dark grey, dark brown grey in part, very finely micromicaceous, common disseminated pyrite, calcareous to dolomitic in part, hard, subfissile to fissile, trace fossiliferous.	
	20	Limestone: Medium to dark brown grey, sandy in part, dolomitic in part, grading in part to a calcareous/dolomitic sandstone, occasional disseminated pyrite, commonly sparitic, hard, blocky.	
	10	Sandstone: Off white, pale to medium brown grey, very fine grained, well sorted, subrounded, moderate to strong calcareous cement, locally weak pale brown argillaceous matrix, common dark lithic inclusions, pale green glauconitic in part, occasionally very finely micromicaceous, pyritic in part, hard, nil visual porosity.	
1960-1965	40	Siltstone: Medium to dark grey brown, medium to dark grey, argillaceous to arenaceous in part, calcareous to dolomitic in part, very finely micromicaceous, occasional disseminated pyrite, hard, blocky to fissile, grading in part to shale.	No shows
	20	Shale: Medium to very dark grey, medium to dark grey brown, very finely micromicaceous, occasional disseminated pyrite, calcareous to dolomitic in part, hard, fissile.	
	20	Sandstone: Off white, pale to medium brown grey, very fine grained, well sorted, subrounded, moderate to strong calcareous cement, locally weak pale brown argillaceous matrix, common dark lithic inclusions, pale green glauconitic in part, occasionally very finely micromicaceous, pyritic in part, hard, nil visual porosity.	
	20	Limestone: Medium to dark brown grey, sandy in part, dolomitic in part, grading in part to a calcareous/dolomitic sandstone, occasional disseminated pyrite, commonly sparitic, hard, blocky.	

1965-1970	50	Siltstone: Medium to dark grey brown, medium to dark grey, dominantly arenaceous to argillaceous, grading in large part to a very fine grained sandstone, calcareous to dolomitic in part, very finely micromicaceous, occasional disseminated pyrite, hard, blocky to fissile, grading in part to shale.	No shows
	20	Sandstone: Off white, pale to medium brown grey, very fine grained, well sorted, subrounded, moderate to strong calcareous cement, locally weak pale brown argillaceous matrix, common dark lithic inclusions, pale green glauconitic in part, occasionally very finely micromicaceous, pyritic in part, hard, nil visual porosity.	
	20	Limestone: Medium to dark brown grey, sandy in part, dolomitic in part, grading in part to a calcareous/dolomitic sandstone, occasional disseminated pyrite, commonly sparitic, hard, blocky.	
	10	Shale: Medium to very dark grey, medium to dark grey brown, very finely micromicaceous, occasional disseminated pyrite, calcareous to dolomitic in part, hard, fissile.	
1970-1975	60	Siltstone: Medium to dark grey brown, medium to dark grey, dominantly arenaceous to argillaceous, grading in large part to a very fine grained sandstone, calcareous to dolomitic in part, very finely micromicaceous, occasional disseminated pyrite, hard, blocky to fissile, grading in part to shale.	No shows
	20	Shale: Medium to very dark grey, medium to dark grey brown, very finely micromicaceous, occasional disseminated pyrite, calcareous to dolomitic in part, hard, fissile.	
	10	Sandstone: Off white, pale to medium brown grey, very fine grained, well sorted, subrounded, moderate to strong calcareous cement, locally weak pale brown argillaceous matrix, common dark lithic inclusions, pale green glauconitic in part, occasionally very finely micromicaceous, pyritic in part, hard, nil visual porosity.	
	10	Limestone: Medium to dark brown grey, sandy in part, dolomitic in part, grading in part to a calcareous/dolomitic sandstone, occasional disseminated pyrite, commonly sparitic, hard, blocky.	

1975-1980	50	Siltstone: Medium to dark brown grey , medium to dark grey in part, argillaceous to very finely arenaceous, dolomitic to calcareous in part, very finely micromicaceous, occasional disseminated pyrite, hard, black to fissile, grading in part to shale.	Intersection of first gas sand horizon in P1 Sandstone gas peak of 228 units from 1979-1980 m
	20	Shale: Medium to dark grey brown, medium to dark grey, very finely micromicaceous, occasional disseminated pyrite, calcareous to dolomitic in part, hard, fissile.	
	20	Sandstone: White, pale to medium grey, translucent, very fine to occasionally medium grained, well sorted, subrounded, moderate to strong calcareous cement, locally weak pale brown argillaceous matrix, common pale green glauconite inclusions, pyritic in part, occasional dark grey lithic inclusions, hard, trace to very poor visual porosity.	
	10	Limestone: Medium to dark brown grey, sandy in part, dolomitic in part, grading in part to a calcareous/dolomitic sandstone, occasional disseminated pyrite, commonly sparitic, hard, blocky.	
1980-1985	60	Siltstone: Medium to dark brown grey , medium to dark grey in part, argillaceous to very finely arenaceous, dolomitic to calcareous in part, very finely micromicaceous, occasional disseminated pyrite, hard, blocky to fissile, grading in part to shale.	No shows
	20	Shale: Medium to dark grey brown, medium to dark grey, very finely micromicaceous, occasional disseminated pyrite, calcareous to dolomitic in part, hard, fissile.	
	20	Sandstone: White, pale to medium grey, translucent, very fine to occasionally medium grained, well sorted, subrounded, moderate to strong calcareous cement, locally weak pale brown argillaceous matrix, common pale green glauconite inclusions, pyritic in part, occasional dark grey lithic inclusions, hard, trace to very poor visual porosity.	
	Tr	Limestone: Medium to dark brown grey, sandy in part, dolomitic in part, grading in part to a calcareous/dolomitic sandstone, occasional disseminated pyrite, commonly sparitic, hard, blocky.	
1985-1990	60	Siltstone: Dominantly medium to dark grey, medium grey brown, arenaceous to argillaceous, calcareous in part, very finely micromicaceous, occasional disseminated pyrite, hard, blocky to fissile, grading in part to shale.	Sandstone gas peak of 468 units from 1986-1988 m
	30	Sandstone: White, pale to medium grey, translucent in part, dominantly very fine to medium grained, rare coarse grained, moderately well sorted, subrounded to rounded, moderate to strong siliceous cement, rare pale brown argillaceous matrix, rare pale green glauconite inclusions, pyritic in part, rare dark grey lithics, hard, trace to occasional poor visual porosity.	
	10	Shale: Medium to dark grey brown, medium to dark grey, very finely micromicaceous, occasional disseminated pyrite, calcareous to dolomitic in part, hard, fissile.	

1990-1995	50	Siltstone: Dominantly medium to dark grey, medium grey brown, arenaceous to argillaceous, calcareous in part, very finely micromicaceous, occasional disseminated pyrite, hard, blocky to fissile, grading in part to shale.	No shows
	40	Sandstone: White to pale grey, translucent, dominantly fine to medium grained, rare coarse grained, moderately sorted, subrounded to rounded, moderate to strong siliceous cement, occasional quartz overgrowths, generally clean sand with minor dark grey siltstone lithics, hard, trace to poor visual porosity.	
	10	Shale: Medium to dark grey brown, medium to dark grey, very finely micromicaceous, occasional disseminated pyrite, calcareous to dolomitic in part, hard, fissile.	
1995-2000	60	Siltstone: Dominantly medium to dark grey, medium grey brown, arenaceous to argillaceous, calcareous in part, very finely micromicaceous, occasional disseminated pyrite, hard, blocky to fissile, grading in part to shale.	No shows
	30	Sandstone: White to pale grey, translucent, dominantly fine to medium grained, rare coarse grained, moderately sorted, subrounded to rounded, moderate to strong siliceous cement, occasional quartz overgrowths, generally clean sand with minor dark grey siltstone lithics, hard, trace to poor visual porosity.	
	10	Shale: Medium to dark grey brown, medium to dark grey, very finely micromicaceous, occasional disseminated pyrite, calcareous to dolomitic in part, hard, fissile.	
2000-2005	50	Siltstone: Dominantly medium to dark grey, medium grey brown, arenaceous to argillaceous, calcareous in part, very finely micromicaceous, occasional disseminated pyrite, hard, blocky to fissile, grading in part to shale.	No shows
	40	Sandstone: White to pale grey, pale to medium grey brown, very fine to medium grained, moderately well sorted, subrounded to rounded, moderate to strong siliceous cement, occasional quartz overgrowths, locally weak pale grey brown argillaceous matrix, pyritic in part, generally clean sand with minor medium grey siltstone lithics, hard, trace to poor visual porosity.	
	10	Shale: Medium to dark grey, occasionally very finely micromicaceous, trace pyritic, hard, subfissile to fissile.	
2005-2010	50	Sandstone: White to pale grey, pale to medium grey brown, very fine to medium grained, moderately well sorted, subrounded to rounded, moderate to strong siliceous cement, occasional quartz overgrowths, locally weak pale grey brown argillaceous matrix, pyritic in part, generally clean sand with minor medium grey siltstone lithics, hard, trace to poor visual porosity.	No shows
	40	Siltstone: Dominantly medium to dark grey, medium grey brown, arenaceous to argillaceous, calcareous in part, very finely micromicaceous, occasional disseminated pyrite, hard, blocky to fissile, grading in part to shale.	
	10	Shale: Medium to dark grey, occasionally very finely micromicaceous, trace pyritic, hard, subfissile to fissile.	

2010-2015	50	Sandstone: White to pale grey, pale to medium grey brown, very fine to medium grained, moderately well sorted, subrounded to rounded, moderate to strong siliceous cement, occasional quartz overgrowths, locally weak pale grey brown argillaceous matrix, pyritic in part, generally clean sand with minor medium grey siltstone lithics, hard, trace to poor visual porosity.	No shows
	40	Siltstone: Dominantly medium to dark grey, medium grey brown, arenaceous to argillaceous, calcareous in part, very finely micromicaceous, occasional disseminated pyrite, hard, blocky to fissile, grading in part to shale.	
	10	Shale: Medium to dark grey, occasionally very finely micromicaceous, trace pyritic, hard, subfissile to fissile.	
2015-2020	60	Sandstone: White to pale grey, pale to medium grey brown, translucent in part, dominantly fine to occasionally medium grained, moderately well sorted, subrounded to rounded, strong siliceous cement, occasional to common quartz overgrowths, generally clean, locally very finely micromicaceous, occasional dark siltstone lithics, hard, trace to very poor visual porosity.	No shows
	30	Siltstone: Pale to dark brown grey, medium to dark grey in part, arenaceous to argillaceous in part, occasionally calcareous, commonly to abundantly very finely micromicaceous, occasional disseminated pyrite, hard, subblocky to subfissile.	
	10	Shale: Medium to dark grey, very finely micromicaceous, rare disseminated pyrite, firm, subfissile to fissile, grading in part to siltstone.	
2020-2025	50	Sandstone: White to pale grey, pale to medium grey brown, translucent in part, dominantly fine to occasionally medium grained, moderately well sorted, subrounded to rounded, strong siliceous cement, occasional to common quartz overgrowths, generally clean, locally very finely micromicaceous, occasional dark siltstone lithics, hard, trace to very poor visual porosity.	No shows
	40	Siltstone: Pale to dark brown grey, medium to dark grey in part, arenaceous to argillaceous in part, occasionally calcareous, commonly to abundantly very finely micromicaceous, occasional disseminated pyrite, hard, subblocky to subfissile.	
	10	Shale: Medium to dark grey, very finely micromicaceous, rare disseminated pyrite, firm, subfissile to fissile, grading in part to siltstone.	
2025-2030	60	Siltstone: Pale to dark brown grey, medium to dark grey in part, arenaceous to argillaceous in part, occasionally calcareous, commonly to abundantly very finely micromicaceous, occasional disseminated pyrite, hard, subblocky to subfissile.	No shows
	30	Sandstone: White to pale grey, pale to medium grey brown, translucent in part, dominantly fine to occasionally medium grained, moderately well sorted, subrounded to rounded, strong siliceous cement, occasional to common quartz overgrowths, generally clean, locally very finely micromicaceous, occasional dark siltstone lithics, hard, trace to very poor visual porosity.	
	10	Shale: Medium to dark grey, very finely micromicaceous, rare disseminated pyrite, firm, subfissile to fissile, grading in part to siltstone.	

2030-2035	60  30  10	<p>Siltstone: Pale to dark brown grey, medium to dark grey in part, arenaceous to argillaceous in part, occasionally calcareous, commonly to abundantly very finely micromicaceous, occasional disseminated pyrite, hard, subblocky to subfissile.</p> <p>Sandstone: White to pale grey, pale to medium grey brown, translucent in part, dominantly fine to occasionally medium grained, moderately well sorted, subrounded to rounded, strong siliceous cement, occasional to common quartz overgrowths, generally clean, locally very finely micromicaceous, occasional dark siltstone lithics, hard, trace to very poor visual porosity.</p> <p>Shale: Medium to dark grey, very finely micromicaceous, rare disseminated pyrite, firm, subfissile to fissile, grading in part to siltstone.</p>	No shows
2035-2040	60  30  10	<p>Sandstone: White to pale grey, pale grey brown, dominantly fine to very fine grained, occasionally medium grained, well sorted, subrounded to rounded, strong siliceous cement, common quartz overgrowths, occasional dark siltstone lithics, locally very finely micromicaceous, hard, trace to very poor visual porosity.</p> <p>Siltstone: Medium to dark brown grey, argillaceous to arenaceous, grading in large part to a very fine grained sandstone, occasionally calcareous, weakly dolomitic in part, abundantly very finely micromicaceous, pyritic in part, hard, subblocky to subfissile.</p> <p>Shale: Medium to dark grey, medium grey brown, very finely micromicaceous, rare disseminated pyrite, firm, subfissile to fissile, grading in part to siltstone.</p>	No shows
2040-2045	50  40  10	<p>Sandstone: White to pale grey, pale grey brown, dominantly fine to very fine grained, occasionally medium grained, well sorted, subrounded to rounded, strong siliceous cement, common quartz overgrowths, occasional dark siltstone lithics, locally very finely micromicaceous, hard, trace to very poor visual porosity.</p> <p>Siltstone: Medium to dark brown grey, argillaceous to arenaceous, grading in large part to a very fine grained sandstone, occasionally calcareous, weakly dolomitic in part, abundantly very finely micromicaceous, pyritic in part, hard, subblocky to subfissile.</p> <p>Shale: Medium to dark grey, medium grey brown, very finely micromicaceous, rare disseminated pyrite, firm, subfissile to fissile, grading in part to siltstone.</p>	No shows
2045-2050	70  20  10	<p>Sandstone: White to pale grey, pale grey brown, dominantly fine to very fine grained, occasionally medium grained, well sorted, subrounded to rounded, strong siliceous cement, common quartz overgrowths, generally clean, occasional dark siltstone lithics, locally very finely micromicaceous, hard, trace to poor visual porosity.</p> <p>Siltstone: Medium to dark brown grey, argillaceous to arenaceous, grading in large part to a very fine grained sandstone, occasionally calcareous, weakly dolomitic in part, abundantly very finely micromicaceous, pyritic in part, hard, subblocky to subfissile.</p> <p>Shale: Medium to dark grey, medium grey brown, very finely micromicaceous, rare disseminated pyrite, firm, subfissile to fissile, grading in part to siltstone.</p>	No shows

2050-2055	60	Sandstone: White to pale grey, pale grey brown, dominantly fine to very fine grained, occasionally medium grained, well sorted, subrounded to rounded, strong siliceous cement, common quartz overgrowths, occasional dark siltstone lithics, locally very finely micromicaceous, hard, trace to very poor visual porosity.	No shows
	30	Siltstone: Medium to dark brown grey, argillaceous to arenaceous, grading in large part to a very fine grained sandstone, occasionally calcareous, weakly dolomitic in part, abundantly very finely micromicaceous, pyritic in part, hard, subblocky to subfissile.	
	10	Shale: Medium to dark grey, medium grey brown, very finely micromicaceous, rare disseminated pyrite, firm, subfissile to fissile, grading in part to siltstone.	
2055-2060	50	Siltstone: Medium to dark grey brown, medium to dark grey, grey black in part, argillaceous to arenaceous, calcareous in part, very finely micromicaceous, common disseminated pyrite, firm to hard, subblocky to subfissile.	No shows
	40	Sandstone: White to pale grey, translucent, rare pale grey brown, dominantly fine to occasionally medium grained, moderately well sorted, subrounded to rounded, moderate to strong siliceous cement, common quartz overgrowths, minor dark siltstone lithics, hard, trace to very poor visual porosity.	
	10	Shale: Medium to dark grey, very finely micromicaceous in part, moderately to strongly calcareous in part, occasional disseminated pyrite, hard, subblocky to fissile.	
2060-2065	60	Sandstone: White to pale grey, translucent, rare pale grey brown, dominantly fine to occasionally medium grained, moderately well sorted, subrounded to rounded, moderate to strong siliceous cement, common quartz overgrowths, minor dark siltstone lithics, hard, trace to very poor visual porosity.	No shows
	30	Siltstone: Medium to dark grey brown, medium to dark grey, grey black in part, argillaceous to arenaceous, calcareous in part, very finely micromicaceous, common disseminated pyrite, firm to hard, subblocky to subfissile.	
	10	Shale: Medium to dark grey, very finely micromicaceous in part, moderately to strongly calcareous in part, occasional disseminated pyrite, hard, subblocky to fissile.	
2065-2070	50	Sandstone: White to pale grey, translucent, rare pale grey brown, dominantly fine to occasionally medium grained, moderately well sorted, subrounded to rounded, moderate to strong siliceous cement, common quartz overgrowths, minor dark siltstone lithics, hard, trace to very poor visual porosity.	No shows
	40	Siltstone: Medium to dark grey brown, medium to dark grey, grey black in part, argillaceous to arenaceous, calcareous in part, very finely micromicaceous, common disseminated pyrite, firm to hard, subblocky to subfissile.	
	10	Shale: Medium to dark grey, very finely micromicaceous in part, moderately to strongly calcareous in part, occasional disseminated pyrite, hard, subblocky to fissile.	

2070-2075	60	Sandstone: White to pale grey, translucent, rare pale grey brown, dominantly fine to rare medium grained, moderately well sorted, subrounded to rounded, moderate to strong siliceous cement, common quartz overgrowths, minor dark siltstone lithics, hard, trace to very poor visual porosity.	No shows
	20	Siltstone: Medium to dark grey brown, medium to dark grey, grey black in part, argillaceous to arenaceous, calcareous in part, very finely micromicaceous, common disseminated pyrite, firm to hard, subblocky to subfissile.	
	20	Shale: Medium to dark grey, very finely micromicaceous in part, moderately to strongly calcareous in part, occasional disseminated pyrite, hard, subblocky to fissile.	
2075-2080	60	Siltstone: Medium to dark grey brown, medium to dark grey, grey black in part, argillaceous to arenaceous, calcareous in part, very finely micromicaceous, common disseminated pyrite, firm to hard, subblocky to subfissile.	No shows
	30	Sandstone: White to medium grey brown, fine grained, trace medium grained, well sorted, subrounded to rounded, strong siliceous cement, common quartz overgrowths, occasional dark lithic inclusions, hard, nil to very poor visual porosity.	
	10	Shale: Medium to dark grey, very finely micromicaceous in part, moderately to strongly calcareous in part, occasional disseminated pyrite, hard, subblocky to fissile.	
2080-2085	60	Sandstone: White to pale grey, occasionally pale grey green, translucent, fine to very fine grained, well sorted, subrounded to rounded, moderate to locally strong siliceous cement, occasional quartz overgrowths, generally clean, rare pale to medium grey brown siltstone lithics, hard, trace to very poor visual porosity.	No shows
	30	Siltstone: Medium to dark grey brown, medium to dark grey, grey black in part, argillaceous to arenaceous, calcareous in part, very finely micromicaceous, common disseminated pyrite, firm to hard, subblocky to subfissile.	
	10	Shale: Medium to dark grey, very finely micromicaceous in part, moderately to strongly calcareous in part, occasional disseminated pyrite, hard, subblocky to fissile.	
2085-2090	50	Sandstone: White to pale grey, occasionally pale grey green, translucent, fine to very fine grained, well sorted, subrounded to rounded, strong siliceous cement, common quartz overgrowths, generally clean, rare pale to medium grey brown siltstone lithics, hard, trace to very poor visual porosity.	No shows
	30	Siltstone: Medium to dark grey brown, medium to dark grey, grey black in part, argillaceous to arenaceous, calcareous in part, very finely micromicaceous, common disseminated pyrite, firm to hard, subblocky to subfissile.	
	10	Shale: Medium to dark grey, very finely micromicaceous in part, moderately to strongly calcareous in part, occasional disseminated pyrite, hard, subblocky to fissile.	



2090-2095	60	Sandstone: White to pale grey, occasionally pale grey green, translucent, fine to very fine grained, well sorted, subrounded to rounded, strong siliceous cement, common quartz overgrowths, generally clean, rare pale to medium grey brown siltstone lithics, hard, trace to very poor visual porosity.	No shows
	20	Siltstone: Medium to dark grey brown, medium to dark grey, grey black in part, argillaceous to arenaceous, calcareous in part, very finely micromicaceous, common disseminated pyrite, firm to hard, subblocky to subfissile.	
	10	Shale: Medium to dark grey, very finely micromicaceous in part, moderately to strongly calcareous in part, occasional disseminated pyrite, hard, subblocky to fissile.	
2095-2100	50	Sandstone: White to pale grey, occasionally pale grey green, translucent, fine to very fine grained, well sorted, subrounded to rounded, strong siliceous cement, common quartz overgrowths, generally clean, rare pale to medium grey brown siltstone lithics, hard, trace to very poor visual porosity.	No shows
	30	Siltstone: Medium to dark grey brown, medium to dark grey, grey black in part, argillaceous to arenaceous, calcareous in part, very finely micromicaceous, common disseminated pyrite, firm to hard, subblocky to subfissile.	
	20	Shale: Medium to dark grey, very finely micromicaceous in part, moderately to strongly calcareous in part, occasional disseminated pyrite, hard, subblocky to fissile.	
2100-2105	70	Sandstone: White to pale grey, translucent, dominantly fine grained, rare medium grained, moderately well sorted, subrounded to rounded, moderate to strong siliceous cement, occasional quartz overgrowths, generally as clean sand, minor pyrite, hard, trace to poor visual porosity.	No shows
	20	Siltstone: Medium to dark brown grey, medium to dark grey, argillaceous to arenaceous, moderate to strong sol cement, very finely micromicaceous, occasional disseminated pyrite, firm, blocky to subfissile.	
	10	Shale: Medium to dark grey, very finely micromicaceous in part, minor disseminated pyrite, hard, subfissile to fissile.	
2105-2110	50	Sandstone: White to pale grey, translucent, dominantly fine grained, rare medium and coarse grained, moderately sorted, subrounded to rounded, moderate to strong siliceous cement, occasional quartz overgrowths, generally as clean sand, minor pyrite, hard, trace to poor visual porosity.	No shows
	30	Siltstone: Medium to dark brown grey, medium to dark grey, argillaceous to arenaceous, moderate to strong sol cement, very finely micromicaceous, occasional disseminated pyrite, firm, blocky to subfissile.	
	10	Shale: Medium to dark grey, very finely micromicaceous in part, minor disseminated pyrite, hard, subfissile to fissile.	

2110-2115	90	Sandstone: White to pale grey, translucent, fine to medium grained, moderately well sorted, subrounded to rounded, moderate to strong siliceous cement, occasional quartz overgrowths, generally as clean sand, minor pyrite, hard, trace to poor visual porosity.	No shows
	10	Siltstone: Medium to dark grey, argillaceous, moderately to strongly calcareous, very finely micromicaceous, pyritic in part, hard, blocky to subfissile, commonly grading to shale.	
2115-2120	70	Sandstone: White to pale grey, translucent, fine to medium grained, moderately well sorted, subrounded to rounded, moderate to strong siliceous cement, occasional quartz overgrowths, generally as clean sand, minor pyrite, hard, trace to poor visual porosity.	No shows
	20	Siltstone: Medium to dark grey, argillaceous, moderately to strongly calcareous, very finely micromicaceous, pyritic in part, hard, blocky to subfissile, commonly grading to shale.	
	10	Shale: Medium to dark grey, very finely micromicaceous in part, minor disseminated pyrite, hard, subfissile to fissile.	
2120-2125	50	Sandstone: White to pale grey, translucent, occasionally pale pink brown oxidised, minor pale green, dominantly fine to medium grained, occasionally coarse grained, moderately sorted, subrounded, strong siliceous cement, common quartz overgrowths, minor pyritic, hard, trace visual porosity.	Top of oxidation/reduction zone No shows
	30	Shale: Medium to very dark grey, grey black in part, very finely micromicaceous, occasionally pyritic, hard, subblocky to subfissile, commonly grading to shale.	
	20	Siltstone: Medium to dark grey brown, argillaceous, moderately calcareous in part, very finely micromicaceous, occasionally pyritic, hard, subblocky to subfissile, commonly grading to shale.	
2125-2130	60	Sandstone: White to pale grey, translucent, occasionally pale pink brown oxidised, minor pale green, dominantly fine to medium grained, occasionally coarse grained, moderately sorted, subrounded, strong siliceous cement, common quartz overgrowths, minor pyritic, hard, trace visual porosity.	No shows
	20	Siltstone: Medium to dark grey brown, argillaceous, moderately calcareous in part, very finely micromicaceous, occasionally pyritic, hard, subblocky to subfissile, commonly grading to shale.	
	20	Shale: Medium to very dark grey, grey black in part, very finely micromicaceous, occasionally pyritic, hard, subblocky to subfissile, commonly grading to shale.	

2130-2135	50	Sandstone: White to pale grey, translucent, commonly pale pink to brown red oxidised, pale green in part, dominantly very fine to medium grained, trace coarse grained, moderately sorted, subrounded to rounded, moderate siliceous/trace dolomitic cement, rare quartz overgrowths, locally common brown red patchy ferruginous matrix, rare dark grey siltstone lithics, trace pyrite, hard, trace visual porosity.	No shows
	30	Siltstone: Dominantly medium to dark grey brown, dark grey to grey black, brown red in part, minor pale green, argillaceous to arenaceous, moderately to strongly calcareous in part and grading to a silty limestone, commonly very finely micromicaceous, hard, blocky to subfissile, grading in part to shale.	
	20	Shale: Medium to very dark brown grey, very finely micromicaceous, calcareous in part, hard, subfissile to fissile.	
2135-2140	80	Sandstone: White to pale grey, translucent, commonly pale pink to brown red oxidised, pale green in part, dominantly very fine to medium grained, trace coarse grained, moderately sorted, subrounded to rounded, moderate siliceous/trace dolomitic cement, rare quartz overgrowths, locally common brown red patchy ferruginous matrix, rare dark grey siltstone lithics, trace pyrite, hard, trace visual porosity.	No shows
	10	Siltstone: Dominantly medium to dark grey brown, dark grey to grey black, brown red in part, minor pale green, argillaceous to arenaceous, moderately to strongly calcareous in part and grading to a silty limestone, commonly very finely micromicaceous, hard, blocky to subfissile, grading in part to shale.	
	10	Shale: Medium to very dark brown grey, very finely micromicaceous, calcareous in part, hard, subfissile to fissile.	
2140-2145	70	Sandstone: Very pale pink to red brown oxidised, pale green, rare off white to pale grey, dominantly very fine to medium grained, rare coarse grained, moderately well sorted, subrounded to rounded, moderate to strong siliceous cement, trace dolomitic cement, common patchy brown red ferruginous matrix, trace pyritic, hard, trace visual porosity.	No shows
	20	Siltstone: Dark brown grey to red brown, argillaceous to arenaceous, commonly very finely micromicaceous, calcareous in part and grading to a silty limestone, hard, subblocky to subfissile, grading in part to shale.	
	10	Shale: Medium to very dark brown grey, grey black in part, very finely micromicaceous, calcareous in part, hard, subfissile to fissile.	

2145-2150	70	Sandstone: Very pale pink to red brown oxidised, pale green, rare off white to pale grey, dominantly very fine to medium grained, rare coarse grained, moderately well sorted, subrounded to rounded, moderate to strong siliceous cement, trace dolomitic cement, common patchy brown red ferruginous matrix, trace pyritic, hard, trace visual porosity.	No shows
	20	Siltstone: Dark brown grey to red brown, argillaceous to arenaceous, commonly very finely micromicaceous, calcareous in part and grading to a silty limestone, hard, subblocky to subfissile, grading in part to shale.	
	10	Shale: Medium to very dark brown grey, grey black in part, very finely micromicaceous, calcareous in part, hard, subfissile to fissile.	
2150-2155	70	Sandstone: Pale pink to reddish brown oxidised, pale green, off white to pale grey, very fine to medium grained, trace coarse frosted grains, moderately sorted, subrounded to rounded, strong siliceous to occasional weak to moderate dolomitic cement, occasional quartz overgrowths, locally common patchy brown red ferruginous matrix, trace pyrite, hard, trace visual porosity.	No shows
	20	Shale: Medium to very dark brown grey, grey black in part, very finely micromicaceous, calcareous in part, hard, subfissile to fissile.	
	10	Siltstone: Dark brown grey to red brown, argillaceous to arenaceous, commonly very finely micromicaceous, calcareous in part and grading to a silty limestone, hard, subblocky to subfissile, grading in part to shale.	
2155-2160	70	Sandstone: Pale pink to reddish brown oxidised, pale green, off white to pale grey, very fine to medium grained, trace coarse frosted grains, moderately sorted, subrounded to rounded, strong siliceous to occasional weak to moderate dolomitic cement, occasional quartz overgrowths, locally common patchy brown red ferruginous matrix, trace pyrite, hard, trace visual porosity.	No shows
	20	Shale: Medium to very dark brown grey, grey black in part, very finely micromicaceous, calcareous in part, hard, subfissile to fissile.	
	10	Siltstone: Dark brown grey to red brown, argillaceous to arenaceous, commonly very finely micromicaceous, calcareous in part and grading to a silty limestone, hard, subblocky to subfissile, grading in part to shale.	
2160-2165	60	Sandstone: Pale pink to reddish brown oxidised, pale green, off white to pale grey, very fine to medium grained, trace coarse frosted grains, moderately sorted, subrounded to rounded, strong siliceous to occasional weak to moderate dolomitic cement, occasional quartz overgrowths, locally common patchy brown red ferruginous matrix, trace pyrite, hard, trace visual porosity.	No shows
	20	Siltstone: Dark brown grey to red brown, argillaceous to arenaceous, commonly very finely micromicaceous, calcareous in part and grading to a silty limestone, hard, subblocky to subfissile, grading in part to shale.	
	20	Shale: Medium to very dark brown grey, grey black in part, very finely micromicaceous, calcareous in part, hard, subfissile to fissile.	

2165-2170	70  20  10	<p>Sandstone: Pale pink to reddish brown oxidised, pale green, off white to pale grey, very fine to medium grained, trace coarse frosted grains, moderately sorted, subrounded to rounded, strong siliceous to occasional weak to moderate dolomitic cement, occasional quartz overgrowths, locally common patchy brown red ferruginous matrix, trace pyrite, hard, trace visual porosity.</p> <p>Siltstone: Dark brown grey to red brown, argillaceous to arenaceous, commonly very finely micromicaceous, calcareous in part and grading to a silty limestone, hard, subblocky to subfissile, grading in part to shale.</p> <p>Shale: Medium to very dark brown grey, grey black in part, very finely micromicaceous, calcareous in part, hard, subfissile to fissile.</p>	No shows
2170-2175	60  20  20	<p>Sandstone: Pale pink to reddish brown oxidised, pale green, off white to pale grey, very fine to medium grained, trace coarse frosted grains, moderately sorted, subrounded to rounded, strong siliceous to occasional weak to moderate dolomitic cement, occasional quartz overgrowths, locally common patchy brown red ferruginous matrix, trace pyrite, hard, trace visual porosity.</p> <p>Siltstone: Dark brown grey to red brown, argillaceous to arenaceous, commonly very finely micromicaceous, calcareous in part and grading to a silty limestone, hard, subblocky to subfissile, grading in part to shale.</p> <p>Shale: Medium to very dark brown grey, grey black in part, very finely micromicaceous, calcareous in part, hard, subfissile to fissile.</p>	No shows
2175-2180	60  20  20	<p>Sandstone: Pale pink to reddish brown oxidised, pale green, off white to pale grey, very fine to medium grained, trace coarse frosted grains, moderately sorted, subrounded to rounded, strong siliceous to occasional weak to moderate dolomitic cement, occasional quartz overgrowths, locally common patchy brown red ferruginous matrix, trace pyrite, hard, trace visual porosity.</p> <p>Siltstone: Dark brown grey to red brown, argillaceous to arenaceous, commonly very finely micromicaceous, calcareous in part and grading to a silty limestone, hard, subblocky to subfissile, grading in part to shale.</p> <p>Shale: Medium to very dark brown grey, grey black in part, very finely micromicaceous, calcareous in part, hard, subfissile to fissile.</p>	No shows
2180-2185	80  10  10	<p>Sandstone: Clear to translucent, pale pink brown oxidised, rare pale green grey, dominantly fine to medium grained, occasionally coarse grained, moderately sorted, subrounded to rounded, moderate siliceous/dolomitic cement, occasional quartz overgrowths, locally moderate brown red ferruginous matrix, firm to hard, trace visual porosity.</p> <p>Siltstone: Medium to dark grey brown, argillaceous to arenaceous in part, very finely micromicaceous, dolomitic in part, hard, subblocky to subfissile, grading in part to shale.</p> <p>Shale: Medium to very dark grey, very finely micromicaceous in part, hard, subfissile to fissile.</p>	No shows

2185-2190	90	Sandstone: Clear to translucent, pale pink brown oxidised, rare pale green grey, dominantly fine to medium grained, occasionally coarse grained, moderately sorted, subrounded to rounded, moderate siliceous/dolomitic cement, occasional quartz overgrowths, locally moderate brown red ferruginous matrix, trace pyritic, firm to hard, trace visual porosity.	No shows
	10	Siltstone: Medium to dark grey brown, argillaceous to arenaceous in part, very finely micromicaceous, dolomitic in part, hard, subblocky to subfissile, grading in part to shale.	
	Tr	Shale: Medium to very dark grey, very finely micromicaceous in part, hard, subfissile to fissile.	
2190-2195	90	Sandstone: Clear to translucent, pale pink brown oxidised, rare pale green grey, dominantly fine to medium grained, occasionally coarse grained, moderately sorted, subrounded to rounded, moderate siliceous/dolomitic cement, occasional quartz overgrowths, locally moderate brown red ferruginous matrix, trace pyritic, firm to hard, trace visual porosity.	No shows
	10	Siltstone: Medium to dark grey brown, argillaceous to arenaceous in part, very finely micromicaceous, dolomitic in part, hard, subblocky to subfissile, grading in part to shale.	
	Tr	Shale: Medium to very dark grey, very finely micromicaceous in part, hard, subfissile to fissile.	
2195-2200	90	Sandstone: Clear to translucent, pale pink brown oxidised, rare pale green grey, dominantly fine to medium grained, occasionally coarse grained, moderately sorted, subrounded to rounded, moderate siliceous/dolomitic cement, occasional quartz overgrowths, locally moderate brown red ferruginous matrix, trace pyritic, firm to hard, trace visual porosity.	No shows
	10	Siltstone: Medium to dark grey brown, argillaceous to arenaceous in part, very finely micromicaceous, dolomitic in part, hard, subblocky to subfissile, grading in part to shale.	
	Tr	Shale: Medium to very dark grey, very finely micromicaceous in part, hard, subfissile to fissile.	
2200-2205	60	Sandstone: Clear to translucent, pale grey, very rare pale pink oxidised, dominantly fine to medium grained, occasional coarse frosted grains, moderately sorted, subrounded to rounded, strong siliceous cement, occasional quartz overgrowths, generally as clean sand, pyritic in part, hard, trace visual porosity.	No shows
	20	Siltstone: Medium to dark brown grey, medium to dark grey, argillaceous to arenaceous, calcareous in part and grading to a silty limestone, very finely micromicaceous, occasionally pyritic, hard, subblocky to subfissile, grading in part to shale.	
	20	Shale: Medium to dark grey, occasionally very dark grey, silty, very finely micromicaceous, occasional disseminated pyrite, hard, subfissile.	

2205-2210	70	Sandstone: Clear to translucent, pale grey, very rare pale pink oxidised, dominantly fine to medium grained, occasional coarse frosted grains, moderately sorted, subrounded to rounded, strong siliceous cement, occasional quartz overgrowths, generally as clean sand, pyritic in part, hard, trace visual porosity.	No shows
	20	Siltstone: Medium to dark brown grey, medium to dark grey, argillaceous to arenaceous, calcareous in part and grading to a silty limestone, very finely micromicaceous, occasionally pyritic, hard, subblocky to subfissile, grading in part to shale.	
	10	Shale: Medium to dark grey, occasionally very dark grey, silty, very finely micromicaceous, occasional disseminated pyrite, hard, subfissile.	
2210-2215	70	Sandstone: Clear to translucent, pale grey, very rare pale pink oxidised, dominantly fine to medium grained, occasional coarse frosted grains, moderately sorted, subrounded to rounded, strong siliceous cement, occasional quartz overgrowths, generally as clean sand, pyritic in part, hard, trace visual porosity.	No shows
	20	Siltstone: Medium to dark brown grey, medium to dark grey, argillaceous to arenaceous, calcareous in part and grading to a silty limestone, very finely micromicaceous, occasionally pyritic, hard, subblocky to subfissile, grading in part to shale.	
	10	Shale: Medium to dark grey, occasionally very dark grey, silty, very finely micromicaceous, occasional disseminated pyrite, hard, subfissile.	
2215-2220	90	Sandstone: Clear to translucent, pale grey, dominantly fine to medium grained, occasional coarse frosted grains, moderately sorted, subrounded to rounded, moderate siliceous cement, occasional quartz overgrowths, generally as clean sand, occasionally pyritic, moderately hard to hard, trace to very poor visual porosity.	No shows
	10	Siltstone: Medium to very dark grey, arenaceous to argillaceous, calcareous in part, very finely micromicaceous, occasional disseminated pyrite, firm, blocky to subfissile.	
2220-2225	90	Sandstone: Clear to translucent, white to very pale grey brown, dominantly fine to medium grained, commonly coarse grained, moderately sorted, subrounded to rounded, strong siliceous/calcareous cement, common quartz overgrowths, occasional frosted and pitted grain surfaces, generally as clean sand, pyritic in part, hard, trace to very poor visual porosity.	No shows
	10	Siltstone: Medium to very dark grey, arenaceous to argillaceous, calcareous in part, very finely micromicaceous, occasional disseminated pyrite, firm, blocky to subfissile.	

2225-2230	90	Sandstone: Clear to translucent, white to very pale grey brown, dominantly fine to medium grained, commonly coarse grained, moderately sorted, subrounded to rounded, strong siliceous/calcareous cement, common quartz overgrowths, occasional frosted and pitted grain surfaces, generally as clean sand, pyritic in part, hard, trace to very poor visual porosity.	No shows
	10	Siltstone: Medium to very dark grey, arenaceous to argillaceous, calcareous in part, very finely micromicaceous, occasional disseminated pyrite, firm, blocky to subfissile.	
2230-2235	90	Sandstone: Clear to translucent, pale grey, dominantly fine to medium grained, occasionally coarse grained, moderately to moderately well sorted, subrounded to rounded, strong siliceous to moderate calcareous cement, occasional quartz overgrowths, occasional frosted and pitted grain surfaces, generally as clean sand, occasionally pyritic (rare euhedral), trace to very poor visual porosity.	No shows
	10	Siltstone: Medium to very dark grey, medium to dark grey brown, argillaceous to arenaceous, locally calcareous, very finely micromicaceous, occasional disseminated pyrite, moderately firm, blocky to fissile, grading in part to shale.	
2235-2240	80	Sandstone: White to pale grey, translucent, dominantly fine to medium grained, commonly coarse grained, moderately sorted, subrounded to rounded, moderate to strong siliceous cement, common quartz overgrowths, trace pale grey silty matrix, occasional frosted and pitted grain surfaces, occasionally pyritic, minor dark grey siltstone lithics, rare pale green glauconite grains, hard, trace visual porosity.	No shows
	10	Siltstone: Medium to dark grey, medium to dark grey brown, argillaceous to arenaceous, very finely micromicaceous, occasional disseminated pyrite, hard, subblocky.	
	10	Shale: Medium to very dark grey black, very finely micromicaceous, occasional disseminated pyrite, hard, subfissile to fissile.	
2240-2245	60	Sandstone: White to pale grey, translucent, dominantly fine to medium grained, commonly coarse grained, moderately sorted, subrounded to rounded, moderate to strong siliceous cement, common quartz overgrowths, trace pale grey silty matrix, occasional frosted and pitted grain surfaces, occasionally pyritic, minor dark grey siltstone lithics, rare to occasional pale to medium green glauconite grains, hard, trace visual porosity.	No shows
	30	Siltstone: Medium to dark grey, medium to dark grey brown, argillaceous to arenaceous, very finely micromicaceous, occasional disseminated pyrite, hard, subblocky.	
	10	Shale: Medium to very dark grey black, very finely micromicaceous, occasional disseminated pyrite, hard, subfissile to fissile.	



2245-2250	40	<p>Sandstone: Off white to pale grey, dominantly fine to medium grained, occasionally coarse grained, moderately sorted, subrounded to rounded, strong siliceous cement, common quartz overgrowths, occasional pale grey silty matrix, occasional frosted and pitted grain surfaces, occasionally to commonly pyritic, rare to occasional pale to medium green glauconite grains, occasional dark grey siltstone lithics, hard, trace visual porosity.</p>	No shows
	40	<p>Siltstone: Medium to very dark grey, medium to dark brown grey, argillaceous to arenaceous, very finely micromicaceous, occasional disseminated pyrite, hard, subblocky to subfissile, grading in part to shale.</p>	
	20	<p>Shale: Medium to dark grey, very finely micromicaceous, occasional disseminated pyrite, hard, subfissile to fissile.</p>	
2250-2255	50	<p>Siltstone: Medium to very dark grey, medium to dark brown grey, argillaceous to arenaceous, very finely micromicaceous, occasional disseminated pyrite, hard, subblocky to subfissile, grading in part to shale.</p>	No shows
	30	<p>Sandstone: Off white to pale grey, dominantly fine grained, occasionally medium to coarse grained, moderately sorted, subrounded to rounded, strong siliceous cement, common quartz overgrowths, occasional pale grey silty matrix, occasional frosted and pitted grain surfaces, occasionally to commonly pyritic, rare to occasional pale to medium green glauconite grains, occasional dark grey siltstone lithics, hard, trace visual porosity.</p>	
	20	<p>Shale: Medium to dark grey, very finely micromicaceous, occasional disseminated pyrite, hard, subfissile to fissile.</p>	
2255-2260	50	<p>Sandstone: Pale to medium grey brown, translucent in part, dominantly fine to rarely medium grained, moderately well sorted, subrounded to rounded, strong siliceous cement, occasional quartz overgrowths, minor dolomitic cement in part, occasional pale grey brown silty matrix, minor frosted and pitted grain surfaces, pyritic in part, occasional pale green glauconite grains, occasional dark grey siltstone lithics, hard, trace visual porosity.</p>	No shows
	40	<p>Siltstone: Medium to dark grey brown, occasionally grey black, argillaceous to sandy, commonly grading to a very fine grained sandstone, very finely micromicaceous, common disseminated pyrite, hard, subblocky to subfissile.</p>	
	10	<p>Shale: Shale: Medium to dark grey, very finely micromicaceous, occasional disseminated pyrite, hard, subfissile to fissile.</p>	

2260-2265	50	Siltstone: Medium to dark grey brown, occasionally grey black, argillaceous to sandy, commonly grading to a very fine grained sandstone, very finely micromicaceous, common disseminated pyrite, hard, subblocky to subfissile.	No shows
	40	Sandstone: Pale to medium grey brown, translucent in part, dominantly fine to rarely medium grained, moderately well sorted, subrounded to rounded, strong siliceous cement, occasional quartz overgrowths, minor dolomitic cement in part, occasional pale grey brown silty matrix, minor frosted and pitted grain surfaces, pyritic in part, occasional pale green glauconite grains, occasional dark grey siltstone lithics, hard, trace visual porosity.	
	10	Shale: Shale: Medium to dark grey, very finely micromicaceous, occasional disseminated pyrite, hard, subfissile to fissile.	
2265-2270	50	Siltstone: Medium to dark grey brown, occasionally grey black, argillaceous to sandy, commonly grading to a very fine grained sandstone, very finely micromicaceous, common disseminated pyrite, hard, subblocky to subfissile.	No shows
	30	Sandstone: Pale to medium grey brown, translucent in part, dominantly fine to rarely medium grained, moderately well sorted, subrounded to rounded, strong siliceous cement, occasional quartz overgrowths, minor dolomitic cement in part, occasional pale grey brown silty matrix, minor frosted and pitted grain surfaces, pyritic in part, occasional pale green glauconite grains, occasional dark grey siltstone lithics, hard, trace visual porosity.	
	20	Shale: Shale: Medium to dark grey, very finely micromicaceous, occasional disseminated pyrite, hard, subfissile to fissile.	
2270-2275	50	Siltstone: Medium to dark grey brown, occasionally grey black, argillaceous to sandy, commonly grading to a very fine grained sandstone, very finely micromicaceous, common disseminated pyrite, hard, subblocky to subfissile.	No shows
	40	Sandstone: Pale to medium grey brown, translucent in part, dominantly fine to rarely medium grained, moderately well sorted, subrounded to rounded, strong siliceous cement, occasional quartz overgrowths, minor dolomitic cement in part, occasional pale grey brown silty matrix, minor frosted and pitted grain surfaces, pyritic in part, occasional pale green glauconite grains, occasional dark grey siltstone lithics, hard, trace visual porosity.	
	10	Shale: Shale: Medium to dark grey, very finely micromicaceous, occasional disseminated pyrite, hard, subfissile to fissile.	

2275-2280	50	Siltstone: Medium to dark grey brown, occasionally grey black, argillaceous to sandy, commonly grading to a very fine grained sandstone, very finely micromicaceous, common disseminated pyrite, hard, subblocky to subfissile.	No shows
	40	Sandstone: Pale to medium grey brown, translucent in part, dominantly fine to rarely medium grained, moderately well sorted, subrounded to rounded, strong siliceous cement, occasional quartz overgrowths, minor dolomitic cement in part, occasional pale grey brown silty matrix, minor frosted and pitted grain surfaces, pyritic in part, occasional pale green glauconite grains, occasional dark grey siltstone lithics, hard, trace visual porosity.	
	10	Shale: Shale: Medium to dark grey, very finely micromicaceous, occasional disseminated pyrite, hard, subfissile to fissile.	
2280-2285	50	Siltstone: Pale to medium brown grey, pale to medium grey, argillaceous to rarely arenaceous, commonly very finely micromicaceous, common disseminated pyrite, firm to hard, subblocky to subfissile.	No shows
	40	Sandstone: Off white to pale grey, pale green grey in part, very fine to fine grained, well sorted, subrounded to rounded, strong siliceous/weak dolomitic cement, common quartz overgrowths, occasional pale grey argillaceous matrix, occasional to common pale to medium green glauconitic grains, occasional dark grey siltstone lithics, pyritic in part, hard, trace visual porosity.	
	10	Shale: Medium to dark grey, medium to dark brown grey, very finely micromicaceous, common disseminated pyrite, hard, subfissile to fissile.	
2285-2290	60	Sandstone: Off white to pale grey, pale green grey in part, very fine to fine grained, well sorted, subrounded to rounded, strong siliceous/weak dolomitic cement, common quartz overgrowths, occasional pale grey argillaceous matrix, occasional to common pale to medium green glauconitic grains, occasional dark grey siltstone lithics, pyritic in part, hard, trace visual porosity.	No shows
	30	Siltstone: Pale to medium brown grey, pale to medium grey, argillaceous to rarely arenaceous, commonly very finely micromicaceous, common disseminated pyrite, firm to hard, subblocky to subfissile.	
	10	Shale: Medium to dark grey, medium to dark brown grey, very finely micromicaceous, common disseminated pyrite, hard, subfissile to fissile.	
2290-2295	70	Sandstone: Off white to pale grey, pale green grey in part, very fine to fine grained, well sorted, subrounded to rounded, strong siliceous/weak dolomitic cement, common quartz overgrowths, occasional pale grey argillaceous matrix, occasional to common pale to medium green glauconitic grains, occasional dark grey siltstone lithics, pyritic in part, hard, trace visual porosity.	No shows
	30	Siltstone: Pale to medium brown grey, pale to medium grey, argillaceous to rarely arenaceous, commonly very finely micromicaceous, common disseminated pyrite, firm to hard, subblocky to subfissile.	
	10	Shale: Medium to dark grey, medium to dark brown grey, very finely micromicaceous, common disseminated pyrite, hard, subfissile to fissile.	

2295-2300	70   30   10	<p>Sandstone: Off white to pale grey, pale green grey in part, very fine to fine grained, well sorted, subrounded to rounded, strong siliceous/weak dolomitic cement, common quartz overgrowths, occasional pale grey argillaceous matrix, occasional to common pale to medium green glauconitic grains, occasional dark grey siltstone lithics, pyritic in part, hard, trace visual porosity.</p> <p>Siltstone: Pale to medium brown grey, pale to medium grey, argillaceous to rarely arenaceous, commonly very finely micromicaceous, common disseminated pyrite, firm to hard, subblocky to subfissile.</p> <p>Shale: Medium to dark grey, medium to dark brown grey, very finely micromicaceous, common disseminated pyrite, hard, subfissile to fissile.</p>	No shows
2300-2305	80      20	<p>Sandstone: Off white, pale to medium grey, pale green grey in part, translucent, fine to very fine grained, well sorted, subrounded to rounded, strong siliceous to rare dolomitic cement, common quartz overgrowths, locally weak pale grey brown argillaceous matrix, abundant medium to dark green glauconite grains, rare nodular pyrite, occasional dark grey siltstone lithics, hard, trace visual porosity.</p> <p>Siltstone: Medium to dark brown grey, argillaceous, very finely micromicaceous, occasional disseminated pyrite, hard, subblocky to subfissile, grading in part to shale.</p>	No shows
2305-2310	90      10	<p>Sandstone: Off white to pale grey brown, translucent, very fine to fine grained, well sorted, subrounded to rounded, strong siliceous/trace dolomitic cement, occasional quartz overgrowths, rare pale grey brown argillaceous matrix, abundant medium to dark green glauconite grains, pyritic in part, occasional dark grey siltstone lithics, hard, trace visual porosity.</p> <p>Siltstone: Pale to medium brown grey, argillaceous, very finely micromicaceous, common to abundant disseminated pyrite, hard, subblocky to subfissile.</p>	No shows
2310-2315	60      40	<p>Sandstone: 20% glauconitic as above, 80% clear to translucent, pale yellow brown, fine to coarse grained, poorly sorted, rounded to subrounded, moderate siliceous to trace dolomitic cement, common frosted and pitted grains with quartz overgrowths, rarely pyritic, trace glauconitic, hard, nil to trace visual porosity.</p> <p>Siltstone: Pale to dark grey, dark grey brown, argillaceous, very finely micromicaceous, common to abundant disseminated pyrite, hard, subblocky to subfissile, commonly grading to shale.</p>	No shows
2315-2320	50      50	<p>Sandstone: Clear to translucent, white to pale yellow grey, dominantly fine to medium grained, rare coarse grained, moderately sorted, subrounded to rounded, moderate siliceous to trace dolomitic cement, common quartz overgrowths, frosted and pitted grain surfaces in part, rarely pyritic, trace glauconitic as above, hard, nil to trace visual porosity.</p> <p>Siltstone: Medium to very dark grey, medium to dark brown grey, argillaceous, very finely arenaceous in part, very finely micromicaceous, common disseminated pyrite, hard, subblocky to subfissile, grading in large part to shale.</p>	No shows

2320-2325	80	Sandstone: Clear to translucent, white to pale yellow grey, dominantly fine to medium grained, rare coarse grained, moderately sorted, subrounded to rounded, moderate siliceous to trace dolomitic cement, common quartz overgrowths, frosted and pitted grain surfaces in part, rarely pyritic, trace glauconitic as above, hard, nil to trace visual porosity.	No shows
	20	Siltstone: Medium to very dark grey, medium to dark brown grey, argillaceous, very finely arenaceous in part, very finely micromicaceous, common disseminated pyrite, hard, subblocky to subfissile, grading in large part to shale.	
2325-2330	80	Sandstone: White to pale yellow grey, clear to translucent, dominantly fine to medium grained, rare coarse grained, moderately sorted, rounded to subrounded, dominantly siliceous to rare dolomitic cement, common quartz overgrowths, occasional frosted and pitted grains, minor pyrite, rare dark siltstone lithics, hard, nil to trace visual porosity.	No shows
	20	Siltstone: Medium to dark grey, medium to dark brown grey, argillaceous, slightly sandy in part, very finely micromicaceous, common disseminated pyrite, hard, subblocky to subfissile, grading in part to shale.	
2330-2335	80	Sandstone: Dominantly pale to yellow grey, white, clear to translucent, fine to medium grained, moderately well sorted, subrounded to rounded, strong siliceous cement, weak dolomitic cement in part, common quartz overgrowths, common frosted and pitted grains, occasional dark grey siltstone lithics, trace pyrite, trace glauconitic as above, hard, nil to trace visual porosity.	No shows
	20	Siltstone: Pale to very dark grey, argillaceous, slightly sandy in part, very finely micromicaceous, occasionally pyritic, hard, subblocky to subfissile, grading in large part to shale.	
2335-2340	90	Sandstone: Dominantly pale to yellow grey, white, clear to translucent, fine to medium grained, moderately well sorted, subrounded to rounded, strong siliceous cement, weak dolomitic cement in part, common quartz overgrowths, common frosted and pitted grains, occasional dark grey siltstone lithics, trace pyrite, trace glauconitic as above, hard, nil to trace visual porosity.	No shows
	10	Siltstone: Pale to very dark grey, argillaceous, slightly sandy in part, very finely micromicaceous, occasionally pyritic, hard, subblocky to subfissile, grading in large part to shale.	
2340-2343	80	Sandstone: Dominantly pale to yellow grey, white, clear to translucent, fine to medium grained, moderately well sorted, subrounded to rounded, strong siliceous cement, weak dolomitic cement in part, common quartz overgrowths, common frosted and pitted grains, occasional dark grey siltstone lithics, trace pyrite, trace glauconitic as above, hard, nil to trace visual porosity.	No shows
	20	Siltstone: Pale to very dark grey, argillaceous, slightly sandy in part, very finely micromicaceous, occasionally pyritic, hard, subblocky to subfissile, grading in large part to shale.	
		TD 2343 m reached @ 20:00 hrs, February 3, 1995	