

APPENDIX 1B
GEOLOGIST CUTTINGS DESCRIPTIONS

PetroFrontier

Cuttings Descriptions Report

Well Name : Baldwin-2 Pilot			Print Date 29/02/2012	
Wellsite Geologist(s) : P Elliott T Baily O Ningelgen				
Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
Pilot				
5.0 - 10.0	90	FERRUGINOUS LIMESTONE: Varicoloured, pale yellow brown, greyish orange, pale yellow brown, greyish red, dusky red, calcilutite to calcarenite, crystalline, firm to very hard in parts, blocky to angular, sucrosic in parts, limonitic in parts, occasional red argillaceous matrix, minor quartz grains, nil to occasional fair visible porosity, no fluorescence.		
	5	CALCAREOUS CLAYSTONE: Greyish orange, light brown, pale yellow orange, homogeneous, firm to blocky, variably calcareous, occasionally grades calcilutite, trace micro mica.		
	5	CALCAREOUS SILTSTONE: Greyish red, light yellowish brown, firm to hard, blocky, variably calcareous and grades to calcisiltite.		
10.0 - 20.0	85	LIMESTONE: As above, decreasing greyish red variety.		
	10	CALCAREOUS CLAYSTONE: As above with increasing light olive grey, firm to hard, blocky, moderately calcareous.		
	5	CALCAREOUS SILTSTONE: As above		
20.0 - 25.0	95	LIMESTONE: Greyish red, olive grey, dark grey, light brown, calcilutite to occasional calcarenite, crystalline, sucrosic in parts, occasional micritic texture, hard to moderately hard, angular to sub platy break, argillaceous in parts, rare carbonaceous flecks, trace micro mica, silty in parts and grades to calcareous siltstone. No visible to very poor visible porosity, no fluorescence.		
	5	CALCAREOUS SILTSTONE: Olive grey to dark grey in parts, grey brown, occasionally greyish red, hard, angular to sub blocky, trace micro mica, variably calcareous.		
25.0 - 29.0	97	LIMESTONE: Greyish brown, dark yellowish brown, greyish red, moderate orange pink, hard to very hard, blocky to angular, calcilutite to calcarenite, crystalline, occasional micritic texture, occasional sucrosic texture, minor organic fleck inclusions, minor micro micaceous and argillaceous layers, nil to very poor visible porosity.		
	3	CALCAREOUS SILTSTONE: Greyish brown, greyish red, hard to very hard, angular to blocky, variably calcareous, micro micaceous, grades to silty, claystone occasionally arenaceous and grade to silty very fine calcareous sandstone,		
29.0 - 40.0	95	LIMESTONE: Pale reddish brown, greyish red, pale brown, greyish orange pink, yellowish brown, calcisiltite to calcarenite, crystalline, hard to very hard, angular, sucrosic layers with argillaceous and anhydritic matrix and minor rounded very fine to coarse grained quartz grains, minor micro mica, minor brownish organic flecks and minor black mineral specks, no to occasional poor visible porosity.		
	5	CALCAREOUS SILTSTONE: Light olive grey, greyish red, light olive brown, light brown, firm to very hard in parts, blocky to angular, variably calcareous, grades to claystone, micro micaceous in parts.		
40.0 - 50.0	90	LIMESTONE: As above		
	10	CALCAREOUS SILTSTONE: As above		
50.0 - 60.0	90	LIMESTONE: Pale brown, greyish brown, greyish pink, calcilutite to calcarenite, crystalline, generally homogeneous, hard to very hard, angular, argillaceous in parts, trace brown and black micro-flecks, no visible porosity.		
	10	CALCAREOUS SILTSTONE: Dark to medium grey, dusky red, mottled in parts, moderately hard to very hard, angular to occasionally sub fissile, variably calcareous, micaceous in parts, trace very fine quartz grains.		
60.0 - 70.0	100	LIMESTONE: Greyish brown, light brown, light olive grey, pale yellowish brown, hard to very hard, crystalline, calcilutite to calcarenite, remnant ooids and peloids, sparry in parts, occasional sucrosic texture, dolomitic in parts, minor silty and organic stylolites, trace pyritic, nil to occasional poor visible porosity.		
70.0 - 80.0	90	LIMESTONE: As above, oolitic in parts, minor dispersed to layered yellow orange mineral (?siderite).		
	10	CALCAREOUS SILTSTONE: Dark grey to medium grey, grey brown, hard to		

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
		moderately hard in parts, angular to blocky, variably calcareous, micro micaceous, minor pyrite, minor organic material.		
80.0 - 90.0	85	LIMESTONE: Pale red, light brown, greyish orange pink, crystalline, calcilutite to calcarenite, crystalline, hard to very hard in parts, oolitic in parts, sparry, occasionally sucrosic, minor yellow orange dispersed to layered mineral (?siderite)l, no visible to poor visible porosity.		
	15	SILTSTONE: Greyish red, greyish brown, firm to moderately hard, angular to blocky, micro micaceous, slightly arenaceous, weakly calcareous in parts.		
90.0 - 100.0	88	LIMESTONE: Pale yellowish brown, light brown, pale yellowish brown, calcarenite to calcilutite, crystalline, moderately hard to very hard in parts, angular, sparry, sucrosic in parts, trace ooids, minor yellow-orange mineral inclusions, occasional stylolites, no to poor and possible fair visible porosity.		
	10	CALCAREOUS SILTSTONE: Medium to dark grey, occasionally greyish red, firm to hard, angular to blocky, calcareous in parts, micro mica, grades to argillaceous limestone.		
	2	SANDSTONE: Greyish pink, loose to moderately hard, very fine occasionally medium, rounded, moderately sorted, aeolian, sparry calcite cement, trace yellow-orange mineral, very poor visible to poor inferred porosity.		
100.0 - 110.0	97	LIMESTONE: As above		
	3	CALCAREOUS SILTSTONE: As above		
110.0 - 120.0	90	LIMESTONE: As above		
	5	SILTSTONE: As above, arenaceous in parts.		
120.0 - 130.0	97	LIMESTONE: Pale yellowish brown, light brown, pale red, grey, light olive grey, pale yellowish brown, calcarenite to calcilutite, crystalline, moderately hard to very hard in parts, angular, sparry, sucrosic in parts, trace ooids, minor yellow-orange mineral inclusions, occasional stylolites with organic matter, no to poor visible porosity.		
	3	CALCAREOUS SILTSTONE: Greyish red, light olive grey, medium to light grey, hard to firm, angular, grades to claystone, micro micaceous in parts, arenaceous in parts with very fine to occasional medium rounded quartz grains, variable calcareous. Trace black flecks.		
130.0 - 140.0	94	LIMESTONE: As above		
	5	CALCAREOUS SILTSTONE: As above		
	1	SANDSTONE: pale orange pink, very fine to fine, sub angular, moderately sorted, clear quartz, calcite cement and matrix, trace black flecks, poor to occasionally fair porosity.		
140.0 - 150.0	90	LIMESTONE: brownish grey, greyish red, medium to dark grey, pale red, calcilutite to calcarenite, crystalline, hard to very hard, sparry in part and sucrosic, yellow brown mineral inclusions (siderite?), variably argillaceous, grades to calcareous siltstone, trace lithic flecks, occasional bituminous inclusions at 160m, no to occasional poor visible porosity.		
	10	CALCAREOUS SILTSTONE: dominantly greyish red, red brown, medium grey in parts, form to hard, angular to occasionally sub fissile, grades to claystone, arenaceous in parts with very fine quartz grains, commonly calcareous, grades to limestone, minor pyrite.		
150.0 - 160.0	85	LIMESTONE: As above with some bituminous inclusions.		
	15	CALCAREOUS SILTSTONE: As above		
160.0 - 170.0	50	CALCAREOUS SILTSTONE: As above		
	50	LIMESTONE: As above, commonly reddish grey.		
170.0 - 180.0	80	LIMESTONE: brownish grey, greyish red, medium to dark grey, pale red, calcilutite to calcarenite, crystalline, hard to very hard, sparry in part and sucrosic, minor ooids and peloids, yellow brown mineral inclusions (siderite?), minor bituminous inclusions, variably argillaceous, grades to calcareous siltstone, trace lithic flecks, occasional bituminous inclusions at 160m, no to occasional poor visible porosity.		
	20	CALCAREOUS SILTSTONE: As above		
180.0 - 190.0	90	LIMESTONE: As above		
	10	CALCAREOUS SILTSTONE: As above		

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
190.0 - 200.0	100	CALCAREOUS SANDSTONE: light olive grey, friable to occasionally hard, minor loose, very fine to fine, occasional medium, rounded to sub rounded, sub spherical, moderately sorted, calcareous cement and matrix, trace lithic flecks, no to poor visible porosity.		
200.0 - 210.0	55 25 20	SANDSTONE: As above LIMESTONE: As above CALCAREOUS SILTSTONE: As above		
210.0 - 220.0	85 10 5	LIMESTONE: light olive grey to light brown, dark grey, greyish brown, calcilutite, minor calcarenite, hard to very hard, crystalline, homogeneous, angular, argillaceous in parts, silty and bituminous stylolites, occasionally oolitic, no to occasionally poor visible porosity, dull yellow mineral fluorescence. SANDSTONE: As above SILTSTONE: medium to dark grey, grey brown, hard, angular, micro micaceous, calcareous, grades to limestone, minor organic layers.		
220.0 - 230.0	93 5 2	LIMESTONE: As above CALCAREOUS SILTSTONE: as above SANDSTONE: light to medium grey, moderately hard to friable, very fine to fine grained in parts, well sorted, sub angular, sub spherical, weak to moderate calcareous cement, silica cement, calcareous matrix in parts, calcareous clasts and inclusions, common bituminous inclusions, minor silty carbonaceous layers, very poor to poor visible porosity in parts.		
230.0 - 240.0	85 10 5	LIMESTONE: greyish orange pink, light olive grey, greyish red, pale brown, pale red, calcilutite to calcarenite, crystalline, hard to very hard, sucrosic in parts, minor ooids and peloids, argillaceous in parts, grades to calcareous siltstone, occasional bituminous inclusions, no to occasional poor visible porosity. CALCAREOUS SILTSTONE: greyish red, dark to medium grey, greyish brown, firm to hard, blocky to angular, micro micaceous, variably calcareous. SANDSTONE: As above		
240.0 - 250.0	85 10 5	LIMESTONE: As above SANDSTONE: As above SILTSTONE: As above		
270.0 - 280.0	100	LIMESTONE: As above		
280.0 - 290.0	100	LIMESTONE: medium to dark grey, brown black, greyish brown, hard to very hard, angular, calcilutite to calcarenite in parts, crystalline, sparry in parts with loose fine to coarse euhedral calcite in samples, occasionally sucrosic, minor argillaceous and carbonaceous stylolites, argillaceous in parts, no to occasionally poor visible porosity.		
290.0 - 300.0	85 15	LIMESTONE: As above, dolomitic in parts. SILTSTONE: medium to dark grey, dark greyish brown, hard to firm, blocky to angular, micro micaceous, grades to claystone, variably calcareous.		
300.0 - 310.0	74 20 5 1	DOLOMITE: light olive grey, pale brown, calcarenite, crystalline, very hard to firm, sucrosic in parts, trace stylolites and silty layers, trace ? anhydrite blotches, nodular pyrite, trace cherty fragments, no to locally poor visible porosity. Dull yellow mineral fluorescence. LIMESTONE: medium light grey to light olive grey, medium grey, calcilutite, crystalline, micritic texture in parts, very hard to occasionally friable, angular to crumbly, occasionally sucrosic, argillaceous in parts, dolomitic in parts, rare ooids, no to occasional fair porosity when sucrosic. loose euhedral calcite. SILTSTONE: As above SANDSTONE: very pale brown, light olive grey, hard to friable, very fine, well sorted, sub rounded, sub spherical, minor fine grains, quartz with minor lithic flecks, variable calcareous cement and matrix, occasional bitumen inclusions, trace black mineral specks, very poor visible to occasional fair visible porosity.		
310.0 - 320.0	65	DOLOMITE: Pale brown to light pinkish grey, light olive grey, crystalline, dololutite, hard to very hard, massive to sucrosic, minor anhydrite streaks, trace pyrite, non to very poor visible porosity. dull yellow mineral fluorescence.		

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
310.0 - 320.0	30	LIMESTONE: As above		
	3	SILTSTONE: As above		
	2	SANDSTONE: As above		
320.0 - 330.0	55	LIMESTONE: As above. Common loose sparry calcite, fine to coarse grains, bitumen coated in parts.		
	30	DOLOMITE: Light grey to light olive grey, dololite, crystalline, micritic texture in parts, very hard to occasionally friable, angular to crumbly, occasionally sucrosic, rare ooids, no to occasional fair porosity when sucrosic, dull to moderate bright yellow mineral fluorescence.		
	15	SILTSTONE: medium to dark grey, dark greyish brown, hard to firm, blocky to angular, micro micaceous, grades to claystone, variably calcareous, arenaceous in parts.		
330.0 - 340.0	95	LIMESTONE: As above, dolomitic in parts.		
	5	DOLOMITE: As above		
340.0 - 350.0	100	DOLOMITE: Medium light grey to light olive grey, dololite, crystalline, micritic texture in parts, very hard to occasionally friable, angular to crumbly, occasionally sucrosic, argillaceous in parts, rare ooids, no to occasional fair porosity when sucrosic, dull to moderate bright yellow mineral fluorescence.		
350.0 - 360.0	100	DOLOMITE: yellowish grey to brown grey and light brown, hard to very hard, dolarenite, hard, angular, sucrosic, some sparry calcite in fill, stylolites and silty layers, pyritic layers, trace fluorite, no to very poor visible porosity. Yellow mineral fluorescence		
360.0 - 370.0	60	DOLOMITE: 1) white, hard to very hard, angular, occurs as sparry fracture fill and replacement of limestone, minor associated fluorite, agate, and interstitial bitumen. 2) Pale brown, hard, angular, sucrosic, limestone replacement, some calcite filled vugs, trace bitumen occurs as vug lining and interstitial, no visible to minor poor porosity, dull solid yellow mineral fluorescence. Discontinuous anhydrite streaks and thin layers.		
	40	LIMESTONE: pale yellowish brown, pale brown, yellowish grey, medium light grey, dololite to dolarenite, crystalline, moderately hard to very hard, angular, blocky, micritic in part, sucrosic in parts, minor sparry calcite, interstitial bitumen in parts, minor nodular and disseminated pyrite, argillaceous in parts, minor remnant ooids, no		
370.0 - 380.0	98	DOLOMITE: Pale brown to very pale orange, brownish grey, dolarenite, crystalline, sucrosic, hard to very hard, angular, vuggy in parts with some calcite fill and calcite filled fractures, minor organic flecks, argillaceous and carbonaceous layers and stylolites with trace disseminated pyrite, trace fluorite. Occasional remnant ooids. Trace cherty fragments. No to occasionally poor porosity, dull yellow mineral fluorescence.		
	2	SILTSTONE: Dark grey to brown black, moderate hard to hard, angular, organic matter, trace pyrite.		
380.0 - 390.0	80	DOLOMITE: As above		
	20	LIMESTONE: medium grey to greyish brown, calcilutite, crystalline, hard to very hard, angular, dolomitic, minor nodular and disseminated pyrite, argillaceous in parts. No visible porosity.		
390.0 - 400.0	82	DOLOMITE: Pale brown to brownish grey, dololite to dolarenite, crystalline, sucrosic in parts, hard to very hard, angular, minor vugs with some calcite fill, minor organic flecks, argillaceous and carbonaceous layers, trace bitumen. No to occasionally very poor porosity, dull yellow mineral fluorescence.		
	15	LIMESTONE: As above		
	3	SANDSTONE: Pale yellowish brown, moderately hard to hard, very fine grains, well sorted, sub round, sub spherical, calcareous cement in parts, black minerals, no to poor visible porosity.		
400.0 - 410.0	65	DOLOMITE: Pale yellowish brown, pale brown, light olive grey, brown grey in parts, dolarenite, hard aggregates with common loose sparry dolomite grains, sucrosic in parts, minor bitumen coated grains, no to very poor inferred porosity. Some intergranular calcite. Coarser fragments indicate a packstone and boundstone.		
	35	SANDSTONE: light to medium grey, light olive grey, moderately hard to hard, occasionally friable, very fine to rare fine, grades to siltstone, well sorted, sub rounded, sub spherical, calcareous cement, trace anhydrite matrix, black and brown mineral flecks, rare ?chlorite, minor siltstone beds with pyrite and disseminated pyrite, no to minor poor visible porosity. no fluorescence.		

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
410.0 - 420.0	70 30	DOLOMITE: As above with bitumen stained grains and dead oil stained grains. Dull yellow solid mineral fluorescence. No direct hydrocarbon fluorescence, no cut, no gas SANDSTONE: light to medium grey, light olive grey, moderately hard to hard, occasionally friable, very fine commonly grades to siltstone, well sorted, sub rounded to rounded, sub spherical, calcareous cement, black and brown mineral flecks, minor siltstone beds and disseminated pyrite, no to minor poor visible porosity.		
420.0 - 423.0	100	DOLOMITE: Light olive grey, yellowish grey, pale brown, dolosiltite, crystalline, moderately hard to hard, brittle, angular, minor stylolites, trace black mineral flecks, trace organic specks, nil to occasional very poor visual porosity, dull yellow mineral fluorescence.		
423.0 - 426.0	100	DOLOMITE: yellow grey, light brown, dark brown, dolosiltite to dololutite, crystalline, hard to very hard, occasionally finely sucrosic, brittle, angular, minor stylolites, organic matter, no fluorescence or cut, minor brown argillaceous layers, nil to occasional very poor visible porosity, dull yellow mineral fluorescence.		
426.0 - 429.0	100	DOLOMITE: pale brown to pale yellowish brown, light olive grey, dololutite to dolarenite in parts, crystalline, minor light olive grey to pale brown sucrosic layers, moderately hard to very hard, rarely friable, brittle, minor stylolites, minor boundstone fragments, disseminated pyrite, trace yellow orange secondary minerals in sucrosic fragments, nil to locally poor visible porosity, dull yellow mineral fluoresce. Minor vuggy porosity.	7	59
429.0 - 432.0	100	DOLOMITE: As above		
432.0 - 435.0	100	DOLOMITE: pale yellow brown, light olive grey, dololutite to dolarenite, crystalline, moderately hard to very hard, minor loose very fine to fine grained dolomite grains with minor very fine to fine rounded quartz grains, sucrosic in parts, trace disseminated pyrite and mineral specks, vuggy in parts with bitumen/organic staining, no fluorescence no cut, possible relic grainstone fragments, nil to locally fair porosity in vuggy sucrosic grains.		
435.0 - 438.0	100	DOLOMITE: As above	6	59
438.0 - 441.0	100	DOLOMITE: Dolomite as above with 10% brown black to grey black, dark brown grey, dolosiltite to dolarenite, crystalline, very hard to moderately hard in parts, brittle, angular, sucrosic in parts, relic grainstone to boundstone fragments, common organic and bituminous material, argillaceous in parts, no fluorescence, no cut, occasional pyrite, trace loose dolomite crystals, very poor to no visible porosity, occasional vuggy porosity, dull yellow mineral fluorescence.		
441.0 - 444.0	100	DOLOMITE: pale yellowish grey, light olive grey, light brown in parts, dolosiltite to dolarenite, crystalline, moderate hard to very hard, friable in parts, commonly sucrosic with some loose dolomite crystals, trace sparry calcite, relic ooids and grainstone, trace boundstone, some arenaceous layers with very fine to silt size quartz in residue after dissolving in acid, minor bituminous material, nil to very poor visual porosity, possible fair porosity in sucrosic fragments, dull yellow mineral fluorescence.		
444.0 - 447.0	100	DOLOMITE: As above	11	69
447.0 - 450.0	100	DOLOMITE: pale yellow brown, very pale orange, light olive grey, minor mottling, dolosiltite to dolarenite, crystalline, hard to very hard, brittle, angular, occasionally sucrosic, relic ooids, relic grainstone fragments, trace black mineral specks, rare organic matter, nil to occasional very poor visual porosity, dull yellow mineral fluorescence. Increasing calcite content grading to dolomitic limestone in parts.		
450.0 - 453.0	100	DOLOMITE: As above		
453.0 - 456.0	100	DOLOMITE: Pale yellow brown, light brownish grey, light grey, dolosiltite to dolarenite, crystalline, hard to very hard, brittle, angular, occasionally sucrosic and vuggy, relic light brown ooids, relic grainstone and boundstone fragments, occasional organic and bituminous filled vugs, occasional stylolites, no fluorescence, no cut, minor arenaceous layers with very fine to silt size quartz in residue after dissolving in acid, trace disseminated pyrite, rare calcite grains, nil to very poor visual porosity, dull yellow mineral fluorescence. Increasing calcite content and grades to dolomitic limestone.	23	69
456.0 - 459.0	99 1	DOLOMITE: As above, trace organic matter and stylolites. DOLOMITIC SILTSTONE: light grey to medium grey, hard, angular, variably calcareous, organic rich layers, trace disseminated pyrite, no fluorescence.		
459.0 - 462.0	100	DOLOMITE: Pale yellowish brown, dolosiltite, crystalline, hard to very hard, brittle, angular, homogeneous, minor ooids and grainstone fragments, occasionally sucrosic,		

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
		rare organic matter, trace silty residue after dissolving in acid, some more calcareous layers and inclusions, nil visible porosity, very dull yellow mineral fluorescence.		
462.0 - 465.0	100	DOLOMITE: As above	24	64
465.0 - 468.0	100	DOLOMITE: Pale yellowish brown, dolosiltite, crystalline, hard to very hard, brittle, angular, minor sucrosic fragments, trace organic matter, minor calcareous layers. occasional disseminated pyrite, nil to very poor porosity in parts, very dull yellow fluorescence.		
468.0 - 471.0	100	DOLOMITE: greyish brown to pale brown, pale yellowish brown, dolosiltite to dolarenite, hard to very hard, crystalline, brittle, angular, sucrosic in parts, trace organic rich stylolites, some bituminous material in vugs, no fluorescence, no cut, trace disseminated pyrite, occasional silty and argillaceous layers, occasional remnant ooids, nil to occasional very poor visual porosity, minor vuggy porosity, dull yellow mineral fluorescence.		
471.0 - 474.0	100	DOLOMITE: As above	18	71
474.0 - 477.0	100	DOLOMITE: As above		
477.0 - 480.0	100	DOLOMITE: Dark grey brown to greyish brown, light brown, yellowish grey in parts, dolosiltite to dolarenite, crystalline, hard to very hard, brittle, angular, argillaceous with silty residue after dissolving in acid, minor stylolites with organic matter and trace pyrite, minor disseminated pyrite and black mineral flecks, occasionally sucrosic, trace sparry calcite, trace ooids and relic grainstone texture, nil to occasionally vuggy porosity, very dull mineral fluorescence.		
480.0 - 483.0	100	DOLOMITE: As above.	6	46
483.0 - 486.0	98 2	DOLOMITE: As above DOLOMITIC SILTSTONE: Dark greyish brown to medium grey, hard, angular, variably dolomitic and calcareous, black mineral specks and disseminated pyrite, grades to silty dolomite.		
486.0 - 489.0	98 2	DOLOMITE: As above DOLOMITIC SILTSTONE: As above		
489.0 - 492.0	97 3	DOLOMITE: As above DOLOMITIC SILTSTONE: As above	8	56
492.0 - 495.0	97 3	DOLOMITE: dark grey brown to pale brown, pale yellowish grey, dolosiltite to dolarenite, crystalline, hard to very hard, angular, brittle, sucrosic to sparry in parts, argillaceous with silty layers, common organic and bituminous matter and stylolites, no fluorescence, no cut, disseminated and occasional nodular pyrite, minor disaggregated dolomite, trace ooids and relic grainstone texture, nil to locally poor visual porosity, no fluorescence. DOLOMITIC SILTSTONE: As above		
495.0 - 498.0	98 2	DOLOMITE: As above with disaggregated dolomite crystals. DOLOMITIC SILTSTONE: As above		
498.0 - 501.0	97 3	DOLOMITE: As above DOLOMITIC DOLOMITE: As above		
501.0 - 504.0	98 2	DOLOMITE: dusky brown, dark grey brown, yellowish brown, pale brown, dolosiltite to dolarenite in parts, crystalline, hard to very hard, brittle, angular, minor disaggregated dolomite and occasional calcite, silty and argillaceous layers, grades to dolomitic siltstone, minor organic material, disseminated and nodular pyrite in parts, occasionally sparry and sucrosic, trace stylolites, occasional relic grainstone texture, trace black mineral specks, nil to very poor porosity in parts, trace anhydrite in discontinuous layers, trace dull yellow mineral fluorescence. DOLOMITIC SILTSTONE: medium grey to dusky brown, dolomitic, hard, angular, trace white flecks (anhydrite?), trace black mineral specks.	3	36
504.0 - 507.0	100	DOLOMITE: As above with nodular pyrite		
507.0 - 510.0	100	DOLOMITE: As above	11	49
510.0 - 513.0	100	DOLOMITE: dusky yellow brown, dolarenite, crystalline, hard to moderately hard, friable in parts, commonly sucrosic with disaggregated dolomite and calcite, sparry		

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
		calcite in parts, pyrite filled vugs, minor organic matter vug fill, nodular and disseminated pyrite, argillaceous and silty layers, relic grainstone texture, trace black mineral specks, trace dull mineral fluorescence, nil to inferred poor porosity in parts.		
513.0 - 516.0	95 5	DOLOMITE: DOLOMITIC SILTSTONE: medium grey to grey brown, hard to moderately hard, angular,		
516.0 - 519.0	95 5	DOLOMITE: DOLOMITIC SILTSTONE:		
519.0 - 522.0	85 15	DOLOMITE: SILTSTONE:	12	41
522.0 - 525.0	80 20	DOLOMITE: grey brown to dusky yellow brown, olive grey, dolosiltite, crystalline, hard, angular, commonly silty and argillaceous, grades to dolomitic siltstone, occasionally sucrosic, occasionally sparry, trace ooids, very poor to nil porosity, trace dull mineral fluorescence. DOLOMITIC SILTSTONE: medium grey, brown grey, hard to friable in parts, dolomitic to occasionally calcareous, trace pyrite, black mineral flecks, trace white flecks, grades to dolomite.		
525.0 - 528.0	90 10	DOLOMITE: DOLOMITIC SILTSTONE: As above	11	27
528.0 - 531.0	100	NO LITHOLOGY:		
531.0 - 534.0	65 35	DOLOMITE: dusky brown to medium grey, pale yellowish grey in parts, dolosiltite, crystalline, hard, angular, brittle, silty and argillaceous and grades to siltstone, trace white flecks, trace disseminated pyrite, occasional stylolites and organic rich layers, minor sparry dolomite, nil visible porosity. Trace dull mineral fluorescence. DOLOMITIC SILTSTONE: medium grey to dusky brown, hard, angular, dolomitic to calcareous in parts, grades to argillaceous dolomite, trace white fleck, minor black mineral specks, trace disseminated pyrite.		
534.0 - 537.0	100	NO LITHOLOGY:		
537.0 - 540.0	70 30	DOLOMITE: As above DOLOMITIC SILTSTONE: As above	17	21
540.0 - 543.0	75 25	DOLOMITE: as above DOLOMITIC SILTSTONE: As above		
543.0 - 546.0	75 25	DOLOMITE: dusky brown, medium dark grey, dark yellowish brown, dololite to dolosiltite, crystalline, hard to very hard, brittle, angular, commonly silty and grades to siltstone, relic grainstone in parts, disseminated and nodular pyrite, trace white flecks, occasional organic rich layers, nil visible porosity, trace dull mineral fluorescence. DOLOMITIC SILTSTONE: As above		
555.0 - 558.0	50 50	DOLOMITE: dusky brown to pale brown, crystalline, largely disaggregated with minor hard crystalline, dolarenite, sucrosic with calcite intergrowths, relic grainstone, trace pyrite, possible poor to fair inferred porosity, no fluorescence LIMESTONE: pale brown to light yellowish grey, calcarenite. disaggregated to moderately hard aggregates, sucrosic, trace pyrite and black mineral specks, silty and argillaceous in parts, poor inferred to nil visible porosity, dull mineral fluorescence		
558.0 - 561.0	80 10 10	DOLOMITE: Dusky yellow brown, pale brown, dark olive grey, dolosiltite to dolarenite, crystalline, hard to very hard, commonly argillaceous and silty, silty and organic stylolites, sucrosic in parts, disseminated and nodular pyrite, grades to siltstone in parts, very poor to nil visible porosity, dull mineral fluorescence. LIMESTONE: olive grey to brown grey, calcilutite to calcisiltite, hard, angular, occasionally sucrosic, dolomitic, minor argillaceous and organic stylolites, trace pyrite, no visible porosity, dull mineral fluorescence. DOLOMITIC SILTSTONE: medium grey to dark olive grey, moderately hard, angular, dolomitic and calcareous in parts, trace black mineral specks, trace pyrite.		
561.0 - 564.0	70 20	DOLOMITE: As above LIMESTONE: As above		

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
561.0 - 564.0	10	DOLOMITIC SILTSTONE: as above		
564.0 - 567.0	50	DOLOMITE: dusky brown to dark grey, crystalline, dolosiltite, hard to very hard, occasionally sucrosic, commonly silty and argillaceous, trace disseminated pyrite, trace stylolites, grads to siltstone, rare sparry dolomite, nil visible porosity, trace dull mineral fluorescence.		
	35	DOLOMITIC SILTSTONE: medium grey to grey black, dusky brown, hard, angular, interlaminated and grades to dolomite, trace disseminated pyrite, trace organic specks		
	15	LIMESTONE: medium grey to dark grey, calcisiltite, crystalline, hard, angular, commonly silty and argillaceous, trace organic flecks, silty parting, occasionally sucrosic, nil to very poor porosity, trace dull mineral fluorescence		
567.0 - 570.0	60	LIMESTONE: medium grey to olive grey, calcarenite to calcisiltite, crystalline, largely disaggregated, sucrosic, occasional sparry, poor inferred porosity, trace mineral fluorescence.		
	35	SILTSTONE: medium grey to olive grey, friable to loose, occasionally hard, calcareous and partly dolomitic matrix in parts, matrix, rounded quartz grading to very fine sand, trace organic flecks, pale brown,		
	5	DOLOMITE: As above.		
570.0 - 573.0	50	DOLOMITE: pale brown to dusky brown, dolosiltite, crystalline, sucrosic, largely disaggregated, argillaceous in parts, trace organic matter, poor inferred porosity, trace dull mineral fluorescence.		
	30	SILTSTONE: As above		
	20	LIMESTONE: As above		
573.0 - 576.0	50	SILTSTONE: medium grey to dark grey, olive grey friable to moderately hard, loose in parts, calcareous cement, trace organic matter, trace pyrite. Occasional very fine quartz.		
	30	DOLOMITE: As above		
	20	LIMESTONE: As above		
576.0 - 579.0	50	SILTSTONE:		
	35	DOLOMITE: As above.		
	15	LIMESTONE: As above		
579.0 - 582.0	70	LIMESTONE: pale brown to yellowish grey, olive grey, calcisiltite, crystalline, friable to hard with disaggregated grains, argillaceous and dolomitic in parts, trace pyrite, trace organic flecks, occasionally sparry, relic grainstone fragments, nil to poor inferred porosity, dull mineral fluorescence.		
	15	DOLOMITE: pale brown to dusky brown, dolosiltite, crystalline, sucrosic, largely disaggregated, argillaceous in parts, trace organic matter, trace nodular pyrite poor inferred porosity, trace dull mineral fluorescence.		
	15	SILTSTONE: medium grey to dark grey, olive grey friable to moderately hard, loose in parts, calcareous cement, trace organic matter, trace pyrite.		
582.0 - 585.0	80	LIMESTONE: As above		
	10	DOLOMITE: As above		
	10	SILTSTONE: As above		
585.0 - 588.0	80	LIMESTONE: As above		
	10	DOLOMITE:		
	10	SILTSTONE: As above		
588.0 - 591.0	70	LIMESTONE: dusky brown to pale brown, olive grey, crystalline, calcisiltite, sucrosic, hard to friable, dolomitic in parts, commonly argillaceous and silty, sparry in parts trace organic matter, trace relic grainstone, nodular pyrite, dull mineral fluorescence, nil to poor porosity inferred in parts		
	30	DOLOMITE: dusky yellow brown, dark olive grey, dolosiltite, crystalline, hard to friable, brittle in parts, commonly argillaceous and silty, grading to siltstone in parts, minor stylolites, trace pyrite, nil to occasionally poor inferred porosity, trace dull mineral fluorescence.		
591.0 - 594.0	70	LIMESTONE:		

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
591.0 - 594.0	30	DOLOMITE: As above		
594.0 - 597.0	40	LIMESTONE: As above		
	30	DOLOMITE: As above		
	30	SILTSTONE: medium grey to olive grey, loose to friable, calcareous cement, organic matrix, trace pyrite, no fluorescence		
597.0 - 600.0	70	DOLOMITE: dusky yellow brown, pale brown, crystalline, dolosiltite to dolarenite, friable to hard, dominantly disaggregated, argillaceous in parts, organic matter, trace white flecks, trace relic grainstone, poor to fair? inferred porosity, no fluorescence, dull mineral in parts.		
	30	LIMESTONE:		
600.0 - 603.0	90	LIMESTONE: light grey, light olive brown, pale brown in parts, calcarenite, crystalline, moderately hard to friable, brittle, angular, common disaggregated, argillaceous in parts with trace stylolites, sucrosic, nil to poor inferred porosity, trace dull yellow mineral fluorescence. FLUORESCENCE : (Nil Direct) Dull thin residual ring yellow green residue on crush cut		
	10	DOLOMITE: As above		
603.0 - 606.0	70	DOLOMITE: dusky yellow brown, brown black, dark olive grey, dolosiltite to dololulite, crystalline, moderately hard to very hard, friable and disaggregated in parts, argillaceous, silty in parts, trace silty layers, organic matter, rare pyrite, occasional sucrosic texture, nil to very poor residual porosity in parts, trace dull mineral fluorescence. FLUORESCENCE : (Nil Direct) Dull thin residual ring yellow green residue on crush cut, no direct fluorescence		
	30	LIMESTONE: As above-		
606.0 - 609.0	50	LIMESTONE: As above		
	50	DOLOMITE: As above		
609.0 - 612.0	60	DOLOMITE: moderate brown to greyish brown to dusky yellow brown, dolosiltite to doloarentie, crystalline, moderately hard to very hard, friable in parts, brittle and angular, commonly disaggregated, grades to siltstone in parts, trace organic matter, occasional pyrite, nil to occasionally fair inferred porosity, minor dull yellow mineral fluorescence.		
	40	LIMESTONE: medium grey to very pale yellow grey, calcisiltite, crystalline, moderately hard, friable to angular, dolomitic in parts, sucrosic, very poor visual porosity in parts, dull yellow mineral fluorescence.		
612.0 - 615.0	70	DOLOMITE: dusky yellow brown dark grey brown to grey black, crystalline, hard, angular, brittle, commonly argillaceous and silty and grades to siltstone, organic fragments, disseminated and nodular pyrite, thin limestone layers, trace stylolites, no visible porosity, occasional dull mineral fluorescence.		
	30	LIMESTONE: As above		
615.0 - 618.0	60	DOLOMITE: moderate brown to greyish brown to dusky yellow brown, dolosiltite to doloarentie, crystalline, moderately hard to hard, friable in parts, brittle and angular, argillaceous in parts, trace organic matter and bituminous layers, no fluorescence, no cut, minor stylolites, relic grainstone texture, occasional pyrite, sucrosic in parts and disaggregated in parts, nil to occasionally fair inferred porosity, minor dull yellow mineral fluorescence.		
	40	LIMESTONE: light grey, pale brown in parts, calcarenite, crystalline, moderately hard to friable, brittle, angular, common disaggregated, sucrosic, nil to poor inferred porosity, trace dull yellow mineral fluorescence.		
618.0 - 621.0	70	DOLOMITE: moderate brown to greyish brown to dusky yellow brown, dolosiltite to doloarentie, crystalline, moderately hard to hard, friable in parts, brittle and angular, argillaceous in parts, trace organic matter, minor stylolites, relic grainstone texture, occasional pyrite, trace vugs, sucrosic in parts and disaggregated in parts, nil to occasionally fair inferred porosity, minor dull yellow mineral fluorescence. FLUORESCENCE : (Nil Direct) Dull thin residual ring yellow green residue on crush cut		
	30	LIMESTONE: As above		
621.0 - 624.0	65	DOLOMITE: moderate brown to pale brown to dusky yellow brown, dolosiltite to doloarentie, crystalline, moderately hard to hard, friable in parts, brittle and angular, argillaceous grades to siltstone, trace organic matter, minor stylolites, relic grainstone		

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
	35	texture, occasional pyrite, sucrosic in parts and disaggregated in parts, sparry in parts, vuggy, some anhydrite filled vugs nil to occasionally fair inferred porosity, minor dull yellow mineral fluorescence. Some anhydrite filled vugs. LIMESTONE: as above		
624.0 - 627.0	100	LIMESTONE: dusky yellow brown, dark grey brown, pale brown, mottled in parts, calcisiltite to calcarenite in parts, crystalline, hard to very hard, angular brittle in parts, occasionally sucrosic, sparry in parts, trace relic grainstone texture, occasionally dolomitic, variably argillaceous, grades to calcareous siltstone, anhydritic matrix in parts, trace pyrite nodules, trace mineral flecks, nil to very poor visible porosity.		
627.0 - 630.0	100	LIMESTONE: As above		
630.0 - 633.0	100	LIMESTONE: dusky yellow brown, brown black, occasionally moderate brown, calcilutite to calcisiltite, as above, increasing argillaceous with stylolites and occasional bituminous layers, no visible porosity.		
633.0 - 636.0	100	LIMESTONE: dusky yellow brown, dark grey brown, pale brown, calcisiltite to calcarenite in parts, crystalline, moderately hard to very hard, angular brittle in parts, occasionally sucrosic, sparry in parts, trace relic grainstone texture, occasionally dolomitic, variably argillaceous, stylolites, bituminous layers, occasionally vuggy, grades to calcareous siltstone, anhydritic matrix in parts, trace pyrite nodules and disseminated pyrite, trace mineral flecks, nil to very poor visible porosity.		
636.0 - 639.0	100	LIMESTONE: As above		
639.0 - 642.0	100	LIMESTONE: As above		
642.0 - 645.0	90 10	LIMESTONE: As above SILTSTONE: brown black to dusky yellowish brown, moderately hard to hard, angular, blocky, calcareous, trace pyrite, trace organic flecks.		
645.0 - 648.0	85 15	LIMESTONE: As above. SILTSTONE: As above		
648.0 - 651.0	80 20	LIMESTONE: As above SILTSTONE: As above		
651.0 - 654.0	75 25	LIMESTONE: As above SILTSTONE: As above		
654.0 - 657.0	75 25	LIMESTONE: dusky yellow brown, dark grey brown, calcisiltite to calcilutite, crystalline, moderately hard to very hard, angular brittle in parts, trace relic grainstone texture, occasionally dolomitic, variably argillaceous, stylolites, grades to calcareous siltstone, trace pyrite nodules and disseminated pyrite, trace mineral flecks, nil visible porosity. SILTSTONE: dusky yellow brown, brown black, moderately hard to hard, angular, blocky, variably calcareous and grades to limestone, trace pyrite, trace organic flecks.		
657.0 - 660.0	80 20	LIMESTONE: As above SILTSTONE: As above		
660.0 - 663.0	90 10	LIMESTONE: As above SILTSTONE: As above		
663.0 - 666.0	75 25	LIMESTONE: As above SILTSTONE: As above		
666.0 - 669.0	80 20	LIMESTONE: As above SILTSTONE: As above		
669.0 - 672.0	85 15	LIMESTONE: As above SILTSTONE: As above		
672.0 - 675.0	90	LIMESTONE: dusky yellow brown, dark grey brown, dusky brown, calcisiltite to calcilutite, crystalline, moderately hard to very hard, angular, minor micritic texture, brittle in parts, trace relic grainstone texture, occasionally sucrosic, occasionally		

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
	10	disaggregated, argillaceous in parts, stylolites, trace disseminated pyrite, trace mineral flecks, nil visible to occasional very poor visible porosity. SILTSTONE: Dark grey brown, dusky brown, hard to moderately hard, angular to blocky, variably calcareous, trace pyrite.		
675.0 - 678.0	90 10	LIMESTONE: As above SILTSTONE: As above		
678.0 - 681.0	90 10	LIMESTONE: As above SILTSTONE: As above		
681.0 - 684.0	70 30	LIMESTONE: As above SILTSTONE: As above		
684.0 - 687.0	85 15	LIMESTONE: dusky yellow brown, dark grey brown, moderate brown, calcisiltite to calcilutite, crystalline, moderately hard to very hard, angular, minor micritic texture, sucrosic in parts with anhydrite vug fill, brittle in parts, commonly disaggregated, argillaceous in parts, organic stylolites, trace disseminated pyrite, trace mineral flecks, nil visible to occasional very poor visible porosity. Dull mineral fluorescence SILTSTONE: as above		
687.0 - 690.0	95 5	LIMESTONE: As above SILTSTONE: As above		
690.0 - 693.0	95 5	LIMESTONE: As above SILTSTONE: As above		
693.0 - 696.0	90 10	LIMESTONE: dusky brown to brown black, dusky yellow brown, calcisiltite, hard to very hard, angular, brittle, sucrosic in parts with some sparry calcite, trace anhydrite vug fill, trace black specks, argillaceous and silty, minor stylolites, trace disseminated pyrite, nil to occasionally very poor visual porosity. SILTSTONE: dusky brown, hard to moderately hard, variably calcareous, angular, blocky to subfissile in parts, trace white flecks, trace disseminated pyrite, slight arenaceous in parts.		
696.0 - 699.0	85 15	LIMESTONE: As above SILTSTONE: As above		
699.0 - 702.0	80 20	LIMESTONE: As above SILTSTONE: As above		
702.0 - 705.0	80 25	LIMESTONE: SILTSTONE:		
705.0 - 708.0	60 40	LIMESTONE: dusky brown to dark grey brown, calcisiltite to calcilutite, crystalline, moderately hard to very hard in parts, brittle, angular, occasionally sucrosic, argillaceous in parts, fossiliferous, remnant grainstone, SILTSTONE:		
708.0 - 711.0	50 50	LIMESTONE: SILTSTONE:		
711.0 - 717.0	50 50	SILTSTONE: LIMESTONE:		
717.0 - 723.0	50 50	LIMESTONE: dusky yellowish brown, calcilutite to calcisiltite, moderately hard to hard, angular brittle, commonly argillaceous and silty, grading to siltstone, trace disseminated pyrite, occasional organic material, no visible porosity. SILTSTONE: Grey black to brown black, dusky brown, moderately hard to hard, angular blocky to sub fissile, variably calcareous, trace micro mica, trace disseminated pyrite		
723.0 - 729.0	60 40	LIMESTONE: As above SILTSTONE: as above		

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
729.0 - 735.0	70	LIMESTONE: very pale brown, yellowish brown dusky yellow brown, brown black, calcisiltite to calcilutite, crystalline, moderately hard to hard, angular to occasionally, friable, sucrosic in parts, variably argillaceous, minor pyrite, minor stylolites, trace organic flecks, nil to very poor visible porosity, dull yellow mineral fluorescence in parts.		
	30	SILTSTONE: Greysih brown to dusky yellow brown, hard to moderately hard, angular, blocky, variably calcareous, trace disseminated pyrite, grading to limestone.		
735.0 - 741.0	70	LIMESTONE: As above		
	30	SILTSTONE: As above		
741.0 - 747.0	60	LIMESTONE: very pale brown, yellowish brown dusky yellow brown, brown black, calcisiltite to calcilutite, crystalline, moderately hard to hard, angular to occasionally, friable, sucrosic in parts, variably argillaceous, minor pyrite, minor stylolites, trace organic flecks, nil to very poor visible porosity, due yellow mineral fluorescence in parts.		
	40	SILTSTONE: Greysih brown to dusky yellow brown, hard to moderately hard, angular, blocky, variably calcareous, trace disseminated pyrite, grading to limestone.		
747.0 - 753.0	75	LIMESTONE:		
	25	SILTSTONE: As above		
753.0 - 759.0	70	LIMESTONE: Dusky brown to grey brown, calcilutite to calcisiltite, crystalline, moderately hard to hard, very hard in parts, brittle, sucrosic in parts, disaggregated in parts, trace fossil fragments, trace disseminated pyrite, argillaceous in parts an grade to siltstone, trace sparry calcite, no visible porosity.		
	30	SILTSTONE: Greysih brown to dusky yellow brown, hard to moderately hard, angular, blocky, variably calcareous, trace disseminated pyrite, trace mica,		
759.0 - 765.0	75	LIMESTONE: As above		
	25	SILTSTONE: As above		
765.0 - 771.0	65	LIMESTONE: As above		
	35	SILTSTONE: As above		
771.0 - 777.0	50	SILTSTONE: As above		
	50	LIMESTONE:		
777.0 - 783.0	70	LIMESTONE: Dusky brown to grey brown, calcilutite to calcisiltite, crystalline, moderately hard to hard, very hard in parts, brittle, sucrosic in parts, commonly disaggregated, trace fossil fragments, relic grainstone texture, trace disseminated pyrite, argillaceous in parts and grades to siltstone, trace sparry calcite, no visible porosity to occasionally poor.		
	50	SILTSTONE: Greysih brown to dusky yellow brown, hard to moderately hard, angular, blocky, variably calcareous, trace disseminated pyrite, trace mica,		
783.0 - 789.0	50	SILTSTONE: dark grey to brown black, moderately hard to very hard, brittle, angular, calcareous and grades to limestone, disseminated pyrite, trace micro mica.		
	50	LIMESTONE: dusky brown to dark grey brown, calcisiltite to calcilutite, crystalline, moderately hard to hard, brittle, angular, commonly silty and argillaceous grading to siltstone, disseminated pyrite in silty layers, fossil fragments, occasionally sucrosic, nil		
789.0 - 795.0	70	LIMESTONE:		
	30	SILTSTONE:		
795.0 - 801.0	90	LIMESTONE: dusky yellow brown, moderate brown, calcilutite to calcisiltite, moderately hard to friable, commonly disaggregated, sucrosic in parts, trace quartz grains, trace anhydrite, argillaceous in parts, relic grainstone texture, trace organic matter, nil to poor visual porosity, trace dull mineral fluorescence.		
	10	SILTSTONE:		
801.0 - 807.0	90	LIMESTONE:		
	10	SILTSTONE:		
807.0 - 810.0	75	LIMESTONE: dusky yellow brown to brown black to dark greyish brown, calcilutite to calcisiltite, crystalline, moderately hard to hard, very hard in parts, boundstone to grainstone with fossil fragments and stromatolite fragments, occasionally sucrosic		

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
	25	trace vugs, commonly argillaceous and silty grading to siltstone, nil to occasionally poor visual porosity, SILTSTONE: Dark grey to brown black, hard to very hard in parts, blocky to angular, calcareous and grades to limestone, trace fossil fragments, trace micro mica, occasional pyrite.		
810.0 - 816.0	75	LIMESTONE: dusky yellow brown to brown black to dark greyish brown, calcilutite to calcisiltite, crystalline, moderately hard to hard, very hard in parts, boundstone to grainstone with fossil fragments and stromatolite fragments, commonly argillaceous and silty grading to siltstone, 5% pale yellowish grey sucrosic with trace vugs, nil to occasionally poor visual porosity,		
	25	SILTSTONE: Dark grey to brown black, hard to very hard in parts, blocky to angular, calcareous and grades to limestone, trace fossil fragments, trace micro mica, occasional pyrite.		
816.0 - 819.0	80	LIMESTONE: As above		
	20	SILTSTONE: As above		
819.0 - 822.0	80	LIMESTONE:		
	20	SILTSTONE: as above		
822.0 - 825.0	70	LIMESTONE: dark grey to dusky yellowish grey, medium grey, dark greyish brown, calcilutite to calcisiltite, hard to very hard, commonly argillaceous and silty, grades to siltstone, trace fossil fragments, trace flecks of organic matter, occasional relic grainstone, no visible porosity, with 10 % pale yellowish grey to light grey sucrosic limestone, friable to hard, poor visible porosity in parts, trace dull yellow mineral fluorescence.		
	30	SILTSTONE: As above		
825.0 - 828.0	80	LIMESTONE: Dominantly olive grey to light grey, dusky brown, calcilutite to calcarenite, crystalline, moderately hard to hard, blocky, sucrosic in parts, dolomitic in parts, trace bitumen staining in vugs, nil to very poor porosity in parts, dull yellow mineral fluorescence.		
	20	SILTSTONE: As above		
828.0 - 831.0	70	LIMESTONE:		
	30	SILTSTONE:		
831.0 - 834.0	70	SILTSTONE: dusky brown to greyish black, hard, blocky, angular to sub fissile in parts, variable calcareous and grade to limestone, trace disseminated pyrite, trace white flecks.		
	30	LIMESTONE: dusky brown to dark brown, calcilutite to calcisiltite, crystalline, hard to very hard, angular, brittle, commonly argillaceous and grades to siltstone, trace black and white flecks, trace fossil fragments, nil visible porosity.		
834.0 - 837.0	80	SILTSTONE: As above.		
	20	LIMESTONE: As above.		
837.0 - 840.0	65	SILTSTONE:		
	35	LIMESTONE:		
840.0 - 843.0	70	SILTSTONE: as above		
	30	LIMESTONE: dark brown to dusky yellow brown, calcilutite to calcisiltite, crystalline, hard to very hard, angular to blocky, commonly argillaceous and grades to siltstone, trace pyrite, trace black organic matter, nil visible porosity.		
846.0 - 849.0	70	LIMESTONE: medium grey to medium dark grey, dusky yellow brown, mottled, calcilutite to calcisiltite, crystalline, moderately hard, blocky, argillaceous, occasionally sucrosic with sparry calcite, no visible porosity. Finely interbedded with Siltstone.		
	30	SILTSTONE: dark brown grey to dark grey to dusky brown, hard to very hard in parts, blocky, angular, variably calcareous, trace pyrite, grades to limestone. Finely interbedded with Limestone.		
849.0 - 852.0	60	SILTSTONE: As above		
	40	LIMESTONE: As above		
852.0 - 855.0	60	SILTSTONE: As above		

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
852.0 - 855.0	40	LIMESTONE: Minor light grey sucrosic fragments with some sparry calcite		
855.0 - 858.0	50	LIMESTONE: medium grey to medium dark grey, dusky yellow brown, pale brown, mottled in parts, calcilutite to calcisiltite, crystalline, moderately hard to hard, blocky, angular in parts, argillaceous, occasionally sucrosic with sparry calcite, relic fossils fragments, trace dark mineral specks, no visible porosity to minor very poor porosity, no fluorescence..		
	50	SILTSTONE: dark brown grey to dark grey to dusky brown, hard to very hard in parts, blocky, angular, variably calcareous, trace disseminated pyrite, trace micro mica, grades to limestone.		
858.0 - 861.0	60	LIMESTONE: As above		
	40	SILTSTONE: As above		
861.0 - 864.0	50	SILTSTONE: As above		
	50	LIMESTONE:		
864.0 - 867.0	60	SILTSTONE: As above		
	40	LIMESTONE: As above		
867.0 - 870.0	60	LIMESTONE: medium dark grey, dusky yellow brown, pale brown, commonly mottled, calcilutite to calcisiltite, crystalline, moderately hard to hard, blocky, angular in parts, argillaceous, occasionally sucrosic with sparry calcite, trace organic matter. no visible porosity.		
	40	SILTSTONE: as above		
870.0 - 873.0	65	LIMESTONE: As above.		
	35	SILTSTONE: olive black, medium dark grey, brown black, moderately hard to hard, blocky to sub fissile, calcareous, trace disseminated pyrite, trace black specks.		
873.0 - 876.0	60	LIMESTONE: dusky yellowish brown to pale brown to light yellowish grey, calcisiltite to calcarenite, crystalline, moderately hard to friable, sucrosic to micritic texture in parts, variably argillaceous, trace mineral specks, nil to occasional very poor visual porosity, dull mineral fluorescence		
	40	SILTSTONE:		
876.0 - 879.0	60	SILTSTONE: greyish black, dark olive grey, dusky brown, mottled, moderately hard to hard, blocky to angular, brittle, variably calcareous, trace very fine quartz. trace micro mica, trace platy fossil fragments, bituminous odour at shakers when caught		
	40	LIMESTONE:		
879.0 - 882.0	50	LIMESTONE: yellowish grey, pale brown in parts, dusky yellowish brown, calcisiltite to calcarenite, crystalline, micritic texture to sucrosic, ooidal in parts with dark grey ooids, moderately hard to very friable, occasionally dolomitic, trace silty rounded quartz residue on dissolving in acid, argillaceous in parts, possible light brown oil staining, nil to occasional poor visual porosity with some vug porosity.		
	50	SILTSTONE:		
882.0 - 885.0	50	SILTSTONE:		
	50	LIMESTONE: As above, with some very friable aggregates with silty residue on dissolving		
885.0 - 888.0	65	SILTSTONE: greyish black to brown black, dusky brown, hard to moderately hard, blocky to sub fissile, variable calcareous, trace micro mica, calcareous micro-fracture fracture fill.		
	35	LIMESTONE: very light grey, yellowish grey, pale brown, calcisiltite to calcarenite. moderately hard to friable, micritic texture to sucrosic, slightly dolomitic, oolitic in parts, trace black mineral specks, occasionally fluorite crystal vug fill, nil to occasionally poor visible porosity, trace vug porosity, trace mineral fluorescence.		
888.0 - 891.0	60	SILTSTONE:		
	40	LIMESTONE:		
891.0 - 894.0	85	SILTSTONE: brown black, grey black, olive black, hard to very hard, brittle in parts, blocky to angular, generally non calcareous, disseminated and occasionally nodular pyrite, trace micro mica, bituminous odour at shakers, black bituminous smearing when handling unwashed cuttings.		

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
891.0 - 894.0	15	LIMESTONE:		
894.0 - 897.0	5	LIMESTONE:		
	5	SILTSTONE:		
897.0 - 900.0	97	SILTSTONE:		
	3	LIMESTONE:		
900.0 - 903.0	85	SILTSTONE: brown black, grey black, olive black, hard to very hard, brittle in parts, blocky to angular, generally non calcareous, disseminated and occasionally nodular pyrite, trace micro mica, calcite filled micro fractures, bituminous odour at shakers, black bituminous smearing when handling unwashed cuttings.		
	15	LIMESTONE: yellowish grey, pale brown, light grey, calcilutite to calcarenite, crystalline, moderately hard to friable, sucrosic in parts, trace relic ooids, trace fossil fragments, nil to very poor visible porosity in parts, dull mineral fluorescence.		
903.0 - 906.0	85	SILTSTONE: As above		
	15	LIMESTONE:		
906.0 - 909.0	70	SILTSTONE: brown black, grey black, olive black, hard to very hard, brittle in parts, blocky to angular, generally non calcareous, disseminated pyrite, micro mica, trace calcite filled micro fractures.		
	30	LIMESTONE: Pale yellowish brown, very light grey, white, calcilutite to calcarenite, firm to hard in parts, friable to angular, commonly sucrosic, calcite spar and sheared calcite plates, vuggy in parts with minor bitumen fill and minor anhydrite, trace relic grainstone texture, argillaceous in parts, nil to poor visible porosity with common vug porosity, dull yellow mineral fluorescence.		
909.0 - 912.0	80	SILTSTONE: As above		
	20	LIMESTONE:		
912.0 - 915.0	55	LIMESTONE: As above with common dusky yellow brown, argillaceous and grades to calcareous siltstone.		
	45	SILTSTONE:		
915.0 - 918.0	85	LIMESTONE: Pale yellowish brown, very light grey, white, dusky yellow brown calcilutite to calcarenite, firm to hard in parts, friable to angular, sucrosic in parts, trace relic grainstone texture and ooids, trace disseminated pyrite, argillaceous in parts, grades to siltstone, nil to very poor visible porosity, dull yellow mineral fluorescence.		
	15	SILTSTONE:		
918.0 - 921.0	85	LIMESTONE:		
	15	SILTSTONE:		
921.0 - 924.0	95	LIMESTONE:		
	5	SILTSTONE:		
924.0 - 927.0	97	LIMESTONE: white, very pale grey, yellowish brown, calcsiltite, calcarenite, crystalline, friable to very hard in parts, angular, sucrosic in parts, relic grainstone texture, disseminated pyrite with common discrete euhedral form, argillaceous in parts, partially dolomitized, trace black, firm brittle bitumen layers, nil to occasionally poor visual porosity.		
	3	SILTSTONE:		
927.0 - 930.0	95	LIMESTONE: As above		
	5	SILTSTONE: As above		
930.0 - 933.0	100	LIMESTONE: white, light yellowish grey, medium to light grey, calcilutite to calcarenite, very hard to firm, angular to friable, sucrosic in parts, trace relic grainstone texture, common disseminated and nodular pyrite with euhedral pyrite, rare prismatic quartz cluster, dolomitic in parts, argillaceous in parts, nil to occasional vug porosity.		
933.0 - 936.0	100	LIMESTONE:		
936.0 - 939.0	99	LIMESTONE:		

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
936.0 - 939.0	1	SILTSTONE: brown black, dusky yellow brown, hard to firm, blocky to angular, variably calcareous and grades to limestone, trace organic matter, trace micro		
939.0 - 942.0	99 1	LIMESTONE: SILTSTONE: as above		
942.0 - 945.0	98 2	LIMESTONE: SILTSTONE: as above		
945.0 - 950.0	99 1	LIMESTONE: yellowish grey, medium grey, medium dark grey, white in parts, crystalline, calcilutite to calcarenite, very hard to friable in parts, commonly argillaceous with some argillaceous layering, dolomitic in parts and grades to local dolomite, disseminated and nodular pyrite, minor stylolites, trace relic oolites, nil to occasional poor visual porosity. SILTSTONE:		

PetroFrontier

Cuttings Descriptions Report

Well Name : Baldwin-2 Horizontal				Print Date 29/02/2012	
Wellsite Geologist(s) : P Elliott T Baily O Ningelgen					
Interval (m)		%	Lithology / Show Descriptions	Ca (%)	Mg (%)
Horizontal					
534.5 - 537.0	90	DOLOMITE: dusky brown to dark yellow brown, medium dark grey, dolosiltite to dooarenite, crystalline, moderately hard to very hard, sucrosic in parts, some sparry dolomite and calcite, grades to and interbedded with limestone layers, argillaceous in parts, minor pyrite, nil to occasionaly vuggy porosity, no fluorescence.		34	6
	10	SILTSTONE: medium grey, dusky brown, hard, angular, dolomite, trace organic fragments, trace pyrite.			
537.0 - 540.0	85	DOLOMITE: As above			
	15	SILTSTONE: As above			
540.0 - 543.0	80	DOLOMITE: As above			
	15	SILTSTONE:			
	5	LIMESTONE: pale yellowish brown, microcrystalline to crystalline, calcilutite to calcarenite, firm to hard in parts, blocky, micritic texture in parts, grades to dolomite, argillaceous in parts, no visible porosity.			
543.0 - 546.0	75	DOLOMITE: As above		50	3
	15	SILTSTONE: As above			
	10	LIMESTONE: As above			
546.0 - 549.0	65	DOLOMITE: As above			
	15	LIMESTONE: As above			
	15	SILTSTONE: As above			
	5	SANDSTONE: light grey to light brown grey, very fine and silty, rounded, well sorted, calcareous cement and matrix, trace black flecks, no visible porosity.			
549.0 - 552.0	65	DOLOMITE: dusky brown to dark yellow brown, medium dark grey to medium grey, dolosiltite to doloarenite, crystalline, moderately hard to very hard, sucrosic in parts, some sparry dolomite and calcite, grades to and interbedded with limestone layers, argillaceous in parts, minor pyrite, nil visible, no fluorescence.		29	5
	20	LIMESTONE: pale yellowish brown, microcrystalline to crystalline, calcilutite to calcarenite, firm to hard in parts, blocky, micritic texture in parts, grades to dolomite, argillaceous and silty in parts with silty residue after dissolving in acid, no visible porosity.			
	15	SILTSTONE: medium grey to light grey, dusky brown, hard to moderately hard, friable to angular, grades to very fine sandstone in parts, calcareous to dolomitic, black organic fragments, trace pyrite.			
552.0 - 555.0	55	DOLOMITE: As above			
	35	SILTSTONE: As above			
	10	LIMESTONE: As above			
555.0 - 558.0	65	DOLOMITE: dark yellowish brown to greyish brown to medium dark grey, cryptocrystalline to crystalline, dololutite to dolarenite in parts, minor sucrosic, argillaceous and silty layers and minor stylolites, trace pyrites, grades to limestone in parts, no visible porosity.		73	2
	25	SILTSTONE: As above			
	10	LIMESTONE: yellowish grey to pale yellowish brown, microcrystalline to crystalline, calcilutite to calcarenite, firm to hard in parts, blocky, micritic texture in parts, grades to dolomite, argillaceous and silty in parts, no visible porosity.			
558.0 - 561.0	75	DOLOMITE: As above, common organic and silty partings and stylolites.			
	15	SILTSTONE: As above			
	10	LIMESTONE:			

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
561.0 - 564.0	60	DOLOMITE: As above	39	8
	30	LIMESTONE: As Above		
	15	SILTSTONE: As Above		
564.0 - 567.0	50	DOLOMITE: medium dark grey to dark grey, light olive grey to olive grey, cryptocrystalline to crystalline, dololite to doloarenite in parts, sucrosic, argillaceous and silty layers and minor stylolites, trace pyrites, grades to limestone in parts, no visible porosity.		
	25	LIMESTONE: dark yellow brown to yellowish grey, microcrystalline to predominantly crystalline, firm to hard, blocky, grades to dolomite, no visible porosity		
	25	SILTSTONE: medium grey to light grey, dusky brown, hard to moderately hard, friable to angular, grades to very fine sandstone in parts, calcareous to dolomitic, black organic fragments, trace pyrite.		
567.0 - 570.0	60	DOLOMITE: as above	37	6
	20	LIMESTONE: as above		
	20	SILTSTONE: As above		
570.0 - 573.0	45	DOLOMITE: As Above		
	30	SILTSTONE: As Above		
	25	LIMESTONE: As Above		
573.0 - 576.0	50	DOLOMITE: light olive grey to dark grey to olive black, crystalline, dololite to doloarenite in parts, common sucrosic, argillaceous and silty layers and minor stylolites, trace pyrites, grades to limestone in parts, very poor to no visible porosity.	47	5
	30	SILTSTONE: medium grey to light grey, dusky brown, hard to moderately hard, friable to angular, grades to very fine sandstone in parts, calcareous to dolomitic, black organic fragments, trace pyrite, trace micro Micaceous.		
	20	LIMESTONE: pale yellowish brown to greenish black, crystalline, calcilutite to calcarenite, firm to hard in parts, blocky, grades to dolomite, argillaceous and silty in parts, no visible porosity		
576.0 - 579.0	35	DOLOMITE: As Above, with occasional siltstone micro bedding		
	35	SILTSTONE: As Above		
	30	LIMESTONE: As above		
579.0 - 582.0	55	LIMESTONE: As Above	26	3
	25	SILTSTONE: As Above		
	20	DOLOMITE: As Above		
582.0 - 585.0	60	SILTSTONE: medium grey to black, occasional medium light grey, hard to moderately hard, friable to angular, grades to very fine sandstone in parts, calcareous to dolomitic, black organic fragments, disseminated and nodular pyrite, trace micro Micaceous.		
	25	DOLOMITE: medium to medium dark grey to olive black, occasional grading to medium to light grey, crystalline, dololite to doloarenite in parts, common sucrosic, argillaceous and silty layers and minor stylolites, trace pyrites, grades to limestone in parts, very poor to no visible porosity.		
	15	LIMESTONE: yellowish grey to light olive grey, dusky brown, microcrystalline to crystalline, calcilutite to common calcarenite, soft to firm, occasional moderately hard, blocky, sucrosic to micritic texture in parts, grades to dolomite, argillaceous and silty in parts, no visible porosity.		
585.0 - 588.0	55	LIMESTONE:	31	4
	25	SILTSTONE: As Above		
	20	DOLOMITE: As Above		
588.0 - 591.0	55	LIMESTONE: As Above		
	25	SILTSTONE: As above		
	20	DOLOMITE: As Above		
591.0 - 594.0	70	LIMESTONE: As Above	38	3

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
591.0 - 594.0	15	DOLOMITE: As Above	38	3
	15	SILTSTONE: As Above		
594.0 - 597.0	50	LIMESTONE: dusky brown, olive grey, crystalline, calcisiltite, sucrosic, hard to friable, dolomitic in parts, commonly argillaceous and silty, sparry in parts trace organic matter, nodular pyrite, nil to poor porosity inferred in parts		
	35	SILTSTONE: medium grey to black, occasional medium light grey, firm to moderately hard, hard in parts, angular to occasionally friable, arenaceous in parts, calcareous to dolomitic, black organic fragments, disseminated and nodular pyrite, trace micro Micaceous.		
	15	DOLOMITE: medium dark grey to dark grey, brownish grey to olive black, occasional cryptocrystalline to crystalline, dololite to doloarenite in parts, common sucrosic, rare argillaceous and occasional silty layers and minor stylolites, trace pyrites, grades to limestone in parts, very poor to no visible porosity.		
597.0 - 600.0	60	LIMESTONE: As Above	27	4
	35	SILTSTONE: medium grey to black, occasional medium light grey, firm to moderately hard, hard in parts, angular to occasionally friable, arenaceous in parts, calcareous to dolomitic, black organic fragments, disseminated and nodular pyrite, trace micro Micaceous.		
	5	DOLOMITE: As Above		
600.0 - 603.0	75	SILTSTONE: medium grey to black, occasional medium light grey, firm to moderately hard, hard in parts, angular to occasionally friable, arenaceous in parts, calcareous to dolomitic, grading to and occasional finely laminated with Limestone, black organic fragments, disseminated and nodular pyrite, trace micro Micaceous.		
	25	LIMESTONE: dusky brown, olive grey, crystalline, calcisiltite, sucrosic, hard to friable, dolomitic in parts, commonly argillaceous and silty, sparry in parts trace organic matter, nodular pyrite, nil to poor porosity inferred in parts		
603.0 - 606.0	80	SILTSTONE: As Above	22	5
	20	LIMESTONE: As Above		
606.0 - 609.0	90	SILTSTONE: medium grey to dark grey to black, occasional medium light grey, firm to moderately hard, hard in parts, angular to occasionally friable, occasional arenaceous in parts, calcareous to dolomitic, grading to and occasional finely laminated with Limestone, black organic fragments, disseminated and nodular pyrite, trace micro Micaceous.		
	10	LIMESTONE: dusky brown, olive grey, crystalline, calcisiltite, sucrosic, hard to friable, dolomitic in parts, commonly argillaceous and silty, sparry in parts trace organic matter, nodular pyrite, nil to poor porosity inferred in parts		
609.0 - 612.0	60	LIMESTONE: dusky brown, olive grey, crystalline, calcisiltite, sucrosic, hard to friable, dolomitic in parts grading to occasional Dolomite stringers, commonly argillaceous and silty, sparry in parts trace organic matter, nodular pyrite, nil to poor porosity inferred in parts	44	14
	40	SILTSTONE: As Above		
612.0 - 615.0	55	LIMESTONE: As Above		
	45	SILTSTONE: As Above		
615.0 - 618.0	60	SILTSTONE: medium grey to dark grey to black, occasional medium light grey, firm to moderately hard, hard in parts, angular to occasionally friable, occasional arenaceous in parts, very calcareous grading to dolomitic, occasional finely laminated with Limestone, black organic fragments, disseminated and nodular pyrite, trace micro Micaceous.	46	7
	40	LIMESTONE: dusky yellow brown, dark grey brown, pale brown, mottled in parts, calcisiltite to calcarenite in parts, crystalline, firm to moderately hard in parts, angular brittle in parts, occasionally sucrosic, sparry in parts, trace relic grainstone texture, rare oolitic, occasionally dolomitic, variably argillaceous, grades to calcareous siltstone, trace pyrite nodules, trace mineral flecks, nil to very poor visible porosity.		
618.0 - 621.0	75	LIMESTONE: dusky yellow brown, dark grey brown, pale brown, common mottled in parts, calcisiltite to calcarenite in parts, crypto crystalline to crystalline, firm to moderately hard in parts, angular brittle in parts, occasionally sucrosic, sparry in parts, trace relic grainstone texture, oolitic, occasionally dolomitic, variably argillaceous, grades to calcareous siltstone, trace pyrite nodules, trace mineral flecks, nil to very poor	63	4

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
	25	visible porosity. SILTSTONE: medium grey to dark grey, hard to moderately hard, angular to occasionally friable, occasional arenaceous in parts, very calcareous grading to dolomitic, occasional finely laminated with Limestone, black organic fragments, disseminated and nodular pyrite, trace micro Micaceous.		
621.0 - 624.0	90	LIMESTONE: dusky yellow brown, yellowish grey to pale brown, mottled in parts, calcisiltite to calcarenite in parts, crypto crystalline to crystalline, firm to moderately hard in parts, angular and brittle in parts, sucrosic to occasionally sparry, trace relic grainstone texture, oolitic in parts, strolites and organic rich silty partings, occasionally dolomitic, trace pyrite nodules, trace mineral flecks, nil to very poor visible porosity.		
	10	SILTSTONE: medium grey to greyish black, dusky brown, hard to moderately hard, angular, occasional arenaceous, variably calcareous, occasional finely laminated with Limestone, black organic fragments, disseminated and nodular, trace micro Micaceous.		
624.0 - 627.0	85	LIMESTONE: As above	95	4
	15	SILTSTONE: As above		
627.0 - 630.0	85	LIMESTONE: dusky yellow brown, yellowish grey to pale brown, mottled, calcisiltite to calcarenite in parts, crystalline, firm to moderately hard in parts, angular and brittle in parts, sucrosic to occasionally sparry, trace silica fracture and vug fill, occasional pale green minerals, minor bitumen stained vugs, relic grainstone texture, oolitic in parts, stylolites and organic rich silty partings, occasionally dolomitic, trace pyrite nodules, trace mineral flecks, nil to very poor visible porosity.		
	15	SILTSTONE: As above		
630.0 - 633.0	80	LIMESTONE: As above	94	3
	20	SILTSTONE: As above		
633.0 - 636.0	80	LIMESTONE: Dusky yellowish brown to pale brown, yellowish grey, speckled in parts, calcilutite to calcisiltite, crystalline to cryptocrystalline, moderately hard to very hard, blocky to angular, variable calcareous and grades to siltstone, disseminated organic matter and organic flecks, trace pyrite, occasionally sucrosic, no visible porosity.		
	20	SILTSTONE: greyish black to brown black, medium grey, hard to firm, blocky to angular, commonly calcareous, organic specks and partings, trace micro mica.		
636.0 - 639.0	75	LIMESTONE: As above	91	2
	25	SILTSTONE: As above		
639.0 - 642.0	90	LIMESTONE: medium light grey to light olive grey, pale brown, calcisiltite, crystalline, micritic texture in parts, occasionally sucrosic, firm to hard in parts, friable to angular, speckled with black mineral and organic flecks, trace disseminated pyrite, nil to occasional very poor visible porosity.		
	10	SILTSTONE: As above		
642.0 - 645.0	70	LIMESTONE: dusky yellowish brown, yellowish grey to pale brown, calcilutite to calcarenite in parts, crystalline to cryptocrystalline, firm to very hard, friable to angular, argillaceous in parts and grades to siltstone, black mineral specks and occasional pyrite, sucrosic in parts, no fluorescence.	80	83
	30	SILTSTONE: As above		
645.0 - 648.0	85	LIMESTONE: As above		
	15	SILTSTONE: As above		
648.0 - 651.0	65	LIMESTONE:	74	3
	35	SILTSTONE:		
651.0 - 654.0	80	LIMESTONE: As above		
	20	SILTSTONE: As above		
654.0 - 657.0	75	LIMESTONE:	62	3
	25	SILTSTONE: dusky yellow brown to brown black, greyish black, commonly hard, angular, calcareous, firm to moderately hard in parts and blocky, disseminated pyrite, micro mica, grades to argillaceous limestone.		

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
657.0 - 660.0	80 20	LIMESTONE: SILTSTONE: As above		
660.0 - 663.0	85 15	LIMESTONE: greyish brown, dusky yellow brown, pale brown to yellowish grey, crystalline to cryptocrystalline, calcilutite to calcisiltite, very hard to firm, angular to friable, occasional micritic texture, sucrosic in parts, commonly argillaceous, minor silty laminations, black organic inclusions, no visible porosity. SILTSTONE: As above.	78	5
663.0 - 666.0	85 15	LIMESTONE: SILTSTONE:		
666.0 - 669.0	90 10	LIMESTONE: SILTSTONE: dusky yellow brown to brown black, commonly hard, angular, variously calcareous, firm to moderately hard in parts and blocky, disseminated pyrite, micro mica, grades to argillaceous limestone, some very hard brownish black cherty fragments and layers.	89	1
669.0 - 672.0	75 25	LIMESTONE: pale brown to dusky yellowish brown, crystalline, calcisiltite, hard to moderately hard, firm in parts, angular to friable in parts, micritic texture in parts, variably argillaceous and grades to siltstone, thin silty layers and minor stylolites, disseminated pyrite, trace black mineral specks, rare accicular yellow mineral, no visible porosity. SILTSTONE: As above		
672.0 - 675.0	80 20	LIMESTONE: As above SILTSTONE: As above	68	4
675.0 - 678.0	85 15	LIMESTONE: SILTSTONE: dusky yellow brown to brownish black, commonly hard, angular, variously calcareous, firm to moderately hard in parts and blocky, disseminated pyrite, micro mica, grades to argillaceous limestone, some very hard brownish black cherty fragments and layers, some thin anhydrite layers and inclusions.		
678.0 - 681.0	85 15	LIMESTONE: SILTSTONE: As Above	70	4
681.0 - 684.0	90 10	LIMESTONE: As above SILTSTONE: As above		
684.0 - 687.0	90 10	LIMESTONE: SILTSTONE:	73	4
687.0 - 690.0	95 5	LIMESTONE: dark yellowish brown to pale brown, calcisiltite to calcarenite, crystalline, very hard to firm, angular to friable, commonly sucrosic, occasionally micritic texture, trace pyrite, argillaceous in parts, occasional anhydrite matrix, no to occasionally poor visible porosity, no fluorescence. SILTSTONE: As above		
690.0 - 693.0	55 45	SILTSTONE: medium grey to brownish black, commonly hard, angular, variously calcareous, very firm to moderately hard in parts and blocky, disseminated pyrite, micro mica, grades to argillaceous limestone, some very hard brownish black cherty fragments and layers, some thin anhydrite layers and inclusions. LIMESTONE: As Above	49	4
693.0 - 696.0	70 30	LIMESTONE: dark yellowish brown to pale brown to brownish black, calcisiltite to calcarenite, crystalline to crypto crystalline in parts, very hard to firm, angular to friable, commonly sucrosic, occasionally micritic texture, trace pyrite, argillaceous in parts, occasional anhydrite matrix, no to occasionally poor visible porosity, no fluorescence. SILTSTONE: As Above		
696.0 - 699.0	80 20	LIMESTONE: As Above SILTSTONE: medium grey to brownish black, commonly hard, angular, variously calcareous, very firm to moderately hard in parts and blocky, disseminated pyrite,	83	4

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
		micro mica, grades to argillaceous limestone, some very hard brownish black cherty fragments and layers, some thin anhydrite layers and inclusions.		
699.0 - 702.0	75	LIMESTONE: light olive grey to pale brown to brownish black, calcisiltite to calcarenite, crystalline to crypto crystalline in parts, hard to firm very hard in parts, angular to friable, commonly sucrosic, occasionally micritic texture, trace pyrite, common argillaceous, occasional anhydrite matrix, no to occasionally poor visible porosity, no fluorescence.		
	25	SILTSTONE: As Above		
702.0 - 705.0	80	LIMESTONE: As Above, occasional organic fragments and stylolites, grading to calcareous siltstone.	58	5
	20	SILTSTONE: As Above		
705.0 - 708.0	65	LIMESTONE: As Above		
	35	SILTSTONE: medium grey to brownish black, firm to hard, very hard in parts, angular to blocky, variously calcareous, disseminated pyrite, micro mica, grades to argillaceous limestone, some very hard brownish black cherty fragments and layers, some thin anhydrite layers and inclusions.		
708.0 - 711.0	75	LIMESTONE: predominantly light olive grey to brownish black, occasional pale brown, calcisiltite to calcarenite, crystalline to crypto crystalline in parts, hard, occasional firm, angular to friable, commonly sucrosic, occasionally micritic texture, trace pyrite, common argillaceous, occasional grading to siltstone, occasional anhydrite matrix, no to occasionally poor visible porosity, no fluorescence.	82	2
	25	SILTSTONE: As Above		
711.0 - 714.0	50	SILTSTONE: As Above		
	50	LIMESTONE: As Above		
714.0 - 717.0	60	SILTSTONE: medium to dark grey to brownish grey, firm to hard, angular to blocky, calcareous, micro mica, organic specks, disseminated pyrite, occasional grading to limestone	47	4
	40	LIMESTONE: dusky yellowish brown to brownish black, occasional pale brown, calcisiltit, crystalline, firm to moderately hard, angular to friable brittle in parts, commonly sucrosic, occasionally micritic texture, trace pyrite, occasional grading to siltstone, occasional anhydrite matrix, no to visible porosity, no fluorescence.		
717.0 - 720.0	50	LIMESTONE: As Above		
	50	SILTSTONE: As Above		
720.0 - 723.0	60	LIMESTONE: light olive grey to olive black, calcisiltite to clacarenite in part, crystalline to occasional cryptocrystalline, firm to moderately hard, very hard in parts, angular to friable, commonly sucrosic, occasionally micritic texture, trace pyrite, argillaceous, occasional anhydrite matrix, no to visible porosity, no fluorescence.	48	2
	40	SILTSTONE: medium grey to brownish black, firm to hard, very hard in parts, angular to blocky, calcareous, disseminated pyrite, micro mica, grades to argillaceous limestone, organic specks, some thin anhydrite layers and inclusions.		
723.0 - 726.0	60	LIMESTONE: As Above		
	40	SILTSTONE: As Above		
726.0 - 729.0	50	SILTSTONE: medium grey to brownish black, firm to hard, very hard in parts, angular to blocky, calcareous, disseminated pyrite, micro mica, grades to argillaceous limestone, organic specks, some thin anhydrite layers and inclusions.	51	7
	50	LIMESTONE: olive grey to dusky yellowish brown, calcisiltite, crystalline to occasional cryptocrystalline, firm to moderately hard, very hard in parts, angular, commonly sucrosic, occasionally micritic texture, trace pyrite, occasional anhydrite matrix, no to visible porosity, no fluorescence.		
729.0 - 732.0	50	LIMESTONE: As Above		
	50	SILTSTONE: As Above		
732.0 - 735.0	60	LIMESTONE: As Above	42	4
	40	SILTSTONE: As Above		
735.0 - 738.0	60	LIMESTONE: olive grey to dusky yellowish brown, calcisiltite, crystalline to occasional cryptocrystalline, firm to moderately hard, very hard in parts, angular, commonly sucrosic, occasionally micritic texture, trace pyrite, occasional anhydrite		

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
	40	matrix, no to visible porosity, no fluorescence. SILTSTONE: medium grey to brownish black, firm to hard, friable in parts, angular to blocky, variously calcareous, disseminated pyrite, micro mica, grades to argillaceous limestone, organic specks, some very hard brownish black cherty fragments and layers, some thin anhydrite layers and inclusions.		
738.0 - 741.0	65 35	SILTSTONE: As Above LIMESTONE: As Above	55	7
741.0 - 744.0	65 35	LIMESTONE: As Above SILTSTONE: As Above		
744.0 - 747.0	70 30	LIMESTONE: dusky yellowish brown to olive black, calcisiltite to occasional calcarenite, crystalline to occasional cryptocrystalline, firm to moderately hard, very hard in parts, angular, sucrosic, occasionally micritic texture, trace pyrite, occasional anhydrite matrix, no to visible porosity, no fluorescence. SILTSTONE: medium grey to brownish black, firm to hard, friable in parts, angular, calcareous, disseminated pyrite, micro mica, grades to argillaceous limestone, organic specks	62	70
747.0 - 750.0	50 50	SILTSTONE: medium grey to grey black, hard to very hard, angular to occasional blocky, variously calcareous, organic specks, disseminated and occasional nodular pyrite, some very fine anhydrite layers and inclusions. LIMESTONE: As Above		
750.0 - 753.0	80 20	LIMESTONE: As Above SILTSTONE: As Above	72	5
753.0 - 756.0	75 25	LIMESTONE: dusky yellowish brown to olive black, calcisiltite to occasional calcarenite, grading to calcareous siltstone in parts, crystalline to occasional cryptocrystalline, hard to very hard to occasional firm, angular, occasionally micritic texture, trace pyrite, occasional anhydrite matrix, no visible porosity, no fluorescence. SILTSTONE: As Above		
756.0 - 759.0	65 35	LIMESTONE: As Above SILTSTONE: As Above	87	3
759.0 - 762.0	50 50	SILTSTONE: As Above LIMESTONE: As Above		
762.0 - 765.0	55 45	SILTSTONE: medium dark grey to dusky yellow brown, brown black, very hard to moderately hard, angular to blocky, variably calcareous and grades to limestone, finely interlaminated with limestone in parts, trace fossil fragments, micro micaceous in parts, organic rich layers and specks, trace disseminated pyrite. LIMESTONE: greyish brown to dusky yellow brown, calcisiltite grading to calcilutite, crystalline, hard to friable, angular to crumbly, relic grainstone, fossiliferous in parts, argillaceous and grades to siltstone, occasionally dolomitic, no to occasional very poor porosity.	46	5
765.0 - 768.0	60 40	LIMESTONE: As above SILTSTONE: As above		
768.0 - 771.0	65 35	LIMESTONE: As above SILTSTONE: As above	45	4
771.0 - 774.0	75 25	LIMESTONE: greyish brown, brown black, pale brown, calcisiltite to calcilutite, crystalline, very hard to moderately hard, angular to blocky, sucrosic and dolomitic in parts, relic grainstone and boundstone, trace fossil fragments, micritic texture in parts, nil visible porosity. SILTSTONE: As above.		
774.0 - 777.0	65 35	LIMESTONE: As above SILTSTONE: As above	74	4
777.0 - 780.0	75	LIMESTONE: grey brown to olive grey to medium grey, calcisiltstie, crystalline, firm to hard in parts, crumbly to angular, micritic texture in parts, relic grainstone texture in parts, fossil fragments, minor anhydrite matrix, very poor visible porosity in parts.		

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
777.0 - 780.0	25	SILTSTONE: As above.		
780.0 - 783.0	65	LIMESTONE: As above	82	3
	35	SILTSTONE: As above		
783.0 - 786.0	75	LIMESTONE: grey brown to olive grey to brown black, calcisiltite, crystalline, firm to hard in parts, crumbly to angular, micritic texture, relic grainstone and boundstone texture in parts, common fossil fragments, frequently argillaceous and grades to siltstone, very poor to nil visible porosity in parts.		
	25	SILTSTONE: brown black to dark grey brown, dark grey. hard to firm, blocky to occasionally sub fissile, calcareous, trace micro mica, grades to limestone, minor fossile fragments.		
786.0 - 789.0	75	LIMESTONE: As above	74	6
	25	SILTSTONE: As above		
789.0 - 792.0	65	LIMESTONE: As above		
	35	SILTSTONE: As above		
792.0 - 795.0	65	LIMESTONE:	56	5
	35	SILTSTONE:		
795.0 - 798.0	65	LIMESTONE: As above		
	35	SILTSTONE:		
798.0 - 801.0	55	LIMESTONE: olive grey to olive black to brownish black, calcisiltite, crystalline, crypto crystalline in parts, firm to hard in parts, crumbly to angular, micritic texture, relic grainstone and boundstone texture in parts, common fossil fragments, frequently argillaceous and grades to siltstone, very poor to nil visible porosity	60	4
	45	SILTSTONE: brown black to dark grey brown, dark grey. hard to firm, blocky to occasionally sub fissile, calcareous, trace micro mica, grades to limestone		
801.0 - 804.0	55	SILTSTONE: As Above		
	45	LIMESTONE: As Above		
804.0 - 807.0	55	SILTSTONE: As Above	73	6
	45	LIMESTONE: As Above: occasional stylolites, trace dolomitic		
807.0 - 810.0	65	SILTSTONE: As Above		
	35	LIMESTONE: As Above		
810.0 - 813.0	50	LIMESTONE: olive grey to olive black to brownish black, calcisiltite, crystalline, crypto crystalline in parts, firm to hard in parts, crumbly to angular, micritic texture, relic grainstone and boundstone texture in parts, common fossil fragments, trace chert, frequently argillaceous and grades to siltstone, very poor to nil visible porosity, no fluorescence	81	5
	50	SILTSTONE: brown black to dark grey brown, dark grey. hard to firm, blocky to occasionally sub fissile, calcareous, micro mica, disseminated pyrite, calcite inclusions, rare fossil fragments, grades to limestone		
813.0 - 816.0	70	LIMESTONE: As Above		
	30	SILTSTONE: As Above		
816.0 - 819.0	75	LIMESTONE: As above	76	6
	25	SILTSTONE: As above		
819.0 - 822.0	80	LIMESTONE: As above		
	20	SILTSTONE: As above		
822.0 - 825.0	65	SILTSTONE: medium dark grey, brown black, greysih brown, moderately hard to hard, blocky to angular, variably calcareous, micro micaceous, interlaminated with and grades to limestone.	71	4
	35	LIMESTONE: As above		

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
825.0 - 828.0	75	LIMESTONE: pale yellowish brown to grey brown, dark yellow brown, medium grey, calcisiltite to calcarenite, crystalline, occasionally cryptocrystalline, very hard to firm, angular to crumbly in parts, micritic texture in parts, occasionally sucrosic, relic grainstone texture, occasional stylolites, occasional fossil fragments, argillaceous and grades to siltstone, nil to very poor porosity.		
	25	SILTSTONE: As above		
828.0 - 831.0	75	LIMESTONE: As above	88	8
	25	SILTSTONE: As above.		
831.0 - 834.0	65	LIMESTONE: As above		
	35	SILTSTONE: As above		
834.0 - 837.0	85	LIMESTONE: As above	85	6
	15	SILTSTONE: As above		
837.0 - 840.0	80	LIMESTONE: As above, dolomitic in parts		
	20	SILTSTONE: medium dark grey, brown black, greysih brown, moderately hard to hard, blocky to angular, variably calcareous, micro micaceous, occasional organic rich layers, interlaminated with and grades to limestone, dolomitic in parts.		
840.0 - 843.0	90	LIMESTONE: pale yellowish brown, greyish brown, medium grey, dusky yellowish brown, mottled in parts, crysatline, calcisiltite to calcarenite, hard to firm, angular to crumbly, micritic to sucrosic texture, relic grainstone, occasionally dolomitic, minor organic matter and bituminous stains, trace fossil fragments, argillaceous in parts and grades to siltstone, very poor to nil visible porosity.	95	3
	10	SILTSTONE: As above		
843.0 - 846.0	85	LIMESTONE: As above		
	15	SILTSTONE: As above		
846.0 - 849.0	85	LIMESTONE: As above, commonly argillaceous and common fossil fragments.	74	13
	15	SILTSTONE: As above		
849.0 - 852.0	80	LIMESTONE: Commonly argillaceous		
	20	SILTSTONE:		
852.0 - 855.0	80	LIMESTONE: dark brown to brown black, greyish brown, pale brown, mottled in parts, calcilutite to calcarenite in parts, crystalline, moderately hard to very hard, angular to crumbly, occasionally sucrosic, minor sparry calcite, dolomitic in parts, relic grainstone and oolite fragments, commonly argillaceous and grades to siltstone, fossil fragments, no visible porosity.	89	3
	20	SILTSTONE: As above		
855.0 - 858.0	85	LIMESTONE: As above		
	15	SILTSTONE:		
858.0 - 861.0	85	LIMESTONE: As above	71	4
	15	SILTSTONE: As aboev		
861.0 - 864.0	65	LIMESTONE: As above.		
	35	SILTSTONE: As above		
864.0 - 867.0	70	LIMESTONE: brown black to dusky yellow brown, pale brown in parts, calcilutite to calcarenite, crystalline, very hard to firm, angular to blocky, micritic teaxture in parts, dolomitic in parts, commonly argillaceous and grades to siltstone, black organic matter, occasional grainstone and boundstone relic textures, trace fossil fragments, no visible porosity.	87	2
	30	SILTSTONE: brownish black to medium dark grey, grey black, hard to moderately hard, blocky to angular, variably calcareous, trace micro mica, trace very fine quartz, occasional nodular pyrite.		
867.0 - 870.0	65	LIMESTONE: As above		
	35	SILTSTONE: As above		

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
870.0 - 873.0	70 30	LIMESTONE: As above SILTSTONE: As above	83	3
873.0 - 876.0	60 40	SILTSTONE: As above LIMESTONE: As above		
876.0 - 879.0	65 35	LIMESTONE: As above SILTSTONE: As above	67	5
879.0 - 882.0	65 35	SILTSTONE: As above LIMESTONE: greyish brown to brown black, dusky yellowish brown, calcilutite to calcarenite, crystalline to cryptocrystalline, hard to firm, angular to crumbly, micritic in parts, commonly argillaceous and grades to siltstone, trace organic rich layers, trace pyrite, no visible porosity.		
882.0 - 885.0	65 35	SILTSTONE: brownish black to medium dark grey, grey black, hard to moderately hard, blocky to angular, commonly calcareous and grading to limestone, trace micro mica, occasional nodular pyrite, organic matter. LIMESTONE: As above	62	5
885.0 - 888.0	70 30	SILTSTONE: medium dark grey to grayish black, hard to moderately hard, very hard in parts, blocky to angular, commonly calcareous and grading to limestone, micro mica, occasional nodular pyrite LIMESTONE: brownish grey to olive black, occasional medium light grey, calcilutite to calcarenite, crystalline to cryptocrystalline, hard to firm, angular to crumbly, micritic in parts, commonly argillaceous and grades to siltstone, trace organic rich layers, trace fossil fragments, trace pyrite, no visible porosity.		
888.0 - 891.0	75 25	SILTSTONE: As Above LIMESTONE: As Above	98	1
891.0 - 894.0	80 20	SILTSTONE: As Above LIMESTONE: As Above: occasional grainstone and boundstone relic textures		
894.0 - 897.0	80 20	SILTSTONE: As Above LIMESTONE: As Above	62	5
897.0 - 900.0	60 40	SILTSTONE: medium dark grey to grayish black, hard to moderately hard, very hard in parts, blocky to angular, commonly calcareous and grading to limestone, micro mica, nodular and disseminated pyrite, LIMESTONE: medium grey to brownish grey to olive black, calcilutite to calcarenite, crystalline to cryptocrystalline, hard to firm, angular to crumbly, micritic in parts, commonly argillaceous and grades to siltstone, dolomitic in parts, trace fossil fragments, disseminated pyrite, no visible porosity.		
900.0 - 903.0	70 30	SILTSTONE: as above LIMESTONE: as above	71	4
903.0 - 906.0	70 30	SILTSTONE: as above LIMESTONE: as above		
906.0 - 909.0	90 10	SILTSTONE: medium grey to predominantly greyish black, hard to very hard, angular to blocky, rare fissile, argillaceous grading to Limestone in parts, variably calcareous, trace nodular pyrite LIMESTONE: olive grey to dark greyish black, calcilutite to calcarenite, crystalline, firm to moderately hard, angular to crumbly, micritic in parts, commonly argillaceous and grades to siltstone, dolomitic in parts, trace fossil fragments, no visible porosity.	71	4
909.0 - 912.0	85 15	SILTSTONE: as above LIMESTONE: as above		
912.0 - 915.0	95 5	SILTSTONE: as above LIMESTONE: dusky yellowish brown to olive black, calcilutite to calcarenite, crystalline to cryptocrystalline, firm to moderately hard, angular to crumbly, micritic in parts, commonly argillaceous and grades to siltstone, fossil fragments, no visible	67	3

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
		porosity.		
915.0 - 918.0	90 10	SILTSTONE: as above LIMESTONE: as above		
918.0 - 921.0	85 15	SILTSTONE: as above LIMESTONE: as above	64	4
921.0 - 924.0	80 20	SILTSTONE: brownish black to greyish black, hard to very hard, angular to blocky, rare fissile, argillaceous grading to Limestone in parts, variably calcareous, trace nodular pyrite, occasional black organic specks LIMESTONE: as above		
924.0 - 927.0	80 20	SILTSTONE: as above LIMESTONE: dusky yellowish brown to olive black, calcilutite to calcarenite, crystalline to cryptocrystalline, firm to moderately hard, angular, trace remnant grainstone, micritic in parts, commonly argillaceous and grades to siltstone, fossil fragments, no visible porosity.	65	4
927.0 - 930.0	80 20	SILTSTONE: as above LIMESTONE: as above, occasional organic/silty laminations		
930.0 - 933.0	75 25	SILTSTONE: as above LIMESTONE: as above	66	4
933.0 - 936.0	90 10	SILTSTONE: brownish black to greyish black, hard to very hard, angular to blocky, rare fissile, argillaceous grading to Limestone in parts, variably calcareous, trace nodular pyrite LIMESTONE: brownish grey to olive black, calcilutite to calcarenite, crystalline to cryptocrystalline, firm to moderately hard, angular, micritic in parts, commonly argillaceous and grades to siltstone, no visible porosity.		
936.0 - 939.0	75 25	SILTSTONE: As above LIMESTONE:	56	6
939.0 - 942.0	70 30	SILTSTONE: LIMESTONE: medium grey to brownish grey, mottled in parts, calcisiltite, crystalline, firm to moderately hard, angular to crumbly, micritic texture, commonly argillaceous and grades to siltstone, trace anhydritic matrix, interlaminated with siltstone, no visible porosity.		
942.0 - 945.0	85 15	SILTSTONE: medium dark grey to brown black, moderately hard to hard, angular to occasionally sub platy, variably calcareous, interlaminated with and grades to limestone, minor micro-micaeous rich layers, trace disseminated pyrite. LIMESTONE: As above.	61	4
945.0 - 948.0	80 20	SILTSTONE: As above LIMESTONE: As above, occasionally sucrosic and dolomitic.		
948.0 - 951.0	80 20	SILTSTONE: LIMESTONE: As above	65	5
951.0 - 954.0	85 15	SILTSTONE: As above LIMESTONE: As above.		
954.0 - 957.0	75 25	SILTSTONE: greysih black to brownish black, moderately hard to very hard in parts, angular to blocky, calcareous in parts and grades to limestone, micromiceous in parts, trace disseminated and nodular pyrite. LIMESTONE: grey brown, dusky yellow brown, brownish black, calcsiltite to calcilutite, crystalline, hard to firm, angular to crumbly, micritic tesxture in parts, commonly argillaceous and grades to siltstone, interlaminated with siltstone, rare stylolites, no visible porosity.	64	3
957.0 - 960.0	75	SILTSTONE: As above		

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
957.0 - 960.0	25	LIMESTONE:		
960.0 - 963.0	85	SILTSTONE:	61	5
	25	LIMESTONE:		
963.0 - 966.0	80	SILTSTONE: As above		
	20	LIMESTONE: As above		
966.0 - 969.0	85	SILTSTONE:	77	3
	15	LIMESTONE: As above		
969.0 - 972.0	85	SILTSTONE:		
	15	LIMESTONE: As above		
972.0 - 975.0	90	SILTSTONE:	56	6
	10	LIMESTONE: As above		
975.0 - 978.0	75	SILTSTONE: greyish black to brown black, medium grey, hard to very hard, angular, blocky, calcareous, grades to limestone, minor micromica, dolomitic in parts, trace disseminated pyrite.		
	25	LIMESTONE: grey brown to medium grey to dark grey, mottled, calcisiltite, crystalline, moderately hard, blocky, micritic texture in parts, commonly silty and argillaceous and grades to siltstone, finely interbedded with siltstone, dolomitic in parts with some sucrosic aggregates, no visible porosity.		
978.0 - 981.0	60	SILTSTONE: As above.	70	6
	40	LIMESTONE: As above, occasional oolitic fragments.		
981.0 - 984.0	65	SILTSTONE: as above		
	35	LIMESTONE: as above, trace nodular pyrite		
984.0 - 987.0	65	LIMESTONE: as above	70	6
	35	SILTSTONE: as above, brittle in parts, trace fissile		
987.0 - 990.0	60	LIMESTONE: as above		
	40	SILTSTONE: as above		
990.0 - 993.0	60	LIMESTONE: grey brown to medium grey to dark grey, mottled, calcisiltite, crystalline, firm to occasional moderately hard, friable in parts, blocky, occasional micritic texture, commonly silty and argillaceous and grades to siltstone, finely interbedded with siltstone, dolomitic in parts with some sucrosic aggregates, no visible porosity.	69	4
	40	SILTSTONE: medium grey to black, hard to very hard, angular to blocky, rare fissile, variably calcareous, common grading to and finely interbedded with limestone, trace nodular and disseminated pyrite, rare calcite micro veins.		
993.0 - 996.0	70	SILTSTONE: brownish black to greyish black, moderately hard to very hard in parts, blocky to angular, occasional fissile, occasional calcite micro veins, disseminated pyrite, occasional fine interlamination with limestone.		
	30	LIMESTONE: as above		
996.0 - 999.0	70	SILTSTONE: as above	64	4
	30	LIMESTONE: as above		
999.0 - 1002.0	75	SILTSTONE: as above		
	25	LIMESTONE: mottled light to medium grey with dark grey to greyish black, calcisiltite calcarenite, crystalline in parts, firm to occasional moderately hard, friable in parts, blocky, occasional micritic texture, commonly silty and argillaceous and grades to siltstone, finely interbedded with siltstone, dolomitic in parts with some sucrosic aggregates, no visible porosity.		
1002.0 - 1005.0	85	SILTSTONE: brownish black to greyish black, black in parts, moderately hard to very hard in parts, blocky to angular, occasional fissile, minor calcite micro veins, disseminated pyrite, occasional micro micaceous occasional fine interlamination with limestone.	64	5

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
1002.0 - 1005.0	15	LIMESTONE: as above	64	5
1005.0 - 1008.0	95	SILTSTONE: as above, mildly calcareous		
	5	LIMESTONE: as above		
1008.0 - 1011.0	95	SILTSTONE: as above	65	6
	5	LIMESTONE: mottled light to medium grey with dark grey to greyish black, calcisiltite to calcarenite, crystalline in parts, firm to occasional moderately hard, friable in parts, blocky, occasional micritic texture, commonly silty and argillaceous and grades to siltstone, finely interbedded with siltstone, domolomitic in parts with some sucrosic aggregates, no visible porosity.		
1011.0 - 1014.0	85	SILTSTONE: as above		
	15	LIMESTONE: as above		
1014.0 - 1017.0	95	SILTSTONE: brownish to greyish black, hard to very hard, angular to blocky, variably calcareous, common nodular and disseminated pyrite, minor calcite micro veins, some calcite crystal re-growth, common interlaminated with limestone.	65	7
	5	LIMESTONE: mottled light to medium grey with dark grey to greyish black, calcisiltite to calcarenite, crystalline in parts, firm to occasional moderately hard, friable in parts, blocky, occasional micritic texture, very commonly silty and argillaceous and grades to siltstone, finely interbedded with siltstone, some sucrosic aggregates, no visible porosity.		
1017.0 - 1020.0	97	SILTSTONE: as above		
	3	LIMESTONE: as above		
1020.0 - 1023.0	90	SILTSTONE: as above	61	6
	10	LIMESTONE: as above		
1023.0 - 1026.0	85	SILTSTONE: brownish grey to greyish black, hard to very hard, angular to blocky, variably calcareous, common nodular and disseminated pyrite, minor calcite micro veins, some calcite crystal re-growth		
	15	LIMESTONE: mottled light to medium grey with dark grey to greyish black, calcisiltite, occasional crystalline in parts, firm to occasional moderately hard, common friable, blocky, occasional micritic texture, very commonly silty and argillaceous and grades to siltstone, finely interbedded with siltstone, some sucrosic aggregates, no visible porosity.		
1026.0 - 1029.0	95	SILTSTONE: as above	51	6
	5	LIMESTONE: as above		
1029.0 - 1032.0	97	SILTSTONE: as above		
	3	LIMESTONE: as above		
1032.0 - 1035.0	80	SILTSTONE: medium dark grey to brownish black, hard to very hard, angular to blocky mildly calcareous, minor calcite re-growth, common nodular and disseminated pyrite, trace minor calcite micro veins	45	6
	20	LIMESTONE: mottled light to medium grey with dark grey to greyish black, calcisiltite, occasional crystalline, firm to occasional moderately hard, common friable, blocky, occasional micritic texture, very commonly silty and argillaceous and grades to siltstone, finely interbedded with siltstone, some sucrosic aggregates, occasional black orange specks, no visible porosity.		
1035.0 - 1038.0	80	SILTSTONE: as above		
	20	LIMESTONE: as above		
1038.0 - 1041.0	85	SILTSTONE: as above	51	5
	15	LIMESTONE: as above		
1041.0 - 1044.0	95	SILTSTONE: as above		
	5	LIMESTONE: medium grey to medium dark grey, greyish brown in parts, calcarenite to calcisiltite, crystalline, moderately hard to firm, oolitic in parts, minor sucrosic texture, trace purple mineral (fluorite?), argillaceous and grading to siltstone, nil visible to occasional pin point porosity, no fluorescence.		

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
1044.0 - 1047.0	97 3	SILTSTONE: as above SANDSTONE: medium grey to brown black, very fine, hard to moderately hard, angular to blocky, sub rounded to sub angular, well sorted, calcareous cement, silty, micro micaceous, trace disseminated pyrite, grading to SILTSTONE, no visible porosity, no fluorescence.	48	7
1047.0 - 1050.0	100	SILTSTONE: as above		
1050.0 - 1053.0	100	SILTSTONE: grey black to brown black, firm to hard, blocky to angular, common disseminated pyrite, occasional calcareous inclusions, fine limestone laminae in parts, trace very fine quartz grains.	33	5
1053.0 - 1056.0	95 5	SILTSTONE: LIMESTONE: as above		
1056.0 - 1059.0	100 0	SILTSTONE: As above LIMESTONE: AS above	34	5
1059.0 - 1062.0	95 5	SILTSTONE: As above LIMESTONE: greyish brown to medium dark grey, dark grey in parts, calcisiltite to calcarenite, crystalline, firm to hard in parts, oolitic in parts with crystalline matrix, silty in parts and grades to calcareous siltstone, finely bedded with siltstone, no visible porosity, no fluorescence.		
1062.0 - 1065.0	90 5 5	SILTSTONE: Dark grey as above SILTSTONE: Trace only: greyish brown to dark grey, firm, friable to blocky, calcareous cement and grades to argillaceous limestone, trace pyrite. LIMESTONE: As above	34	4
1065.0 - 1068.0	98 2	SILTSTONE: brown black to dark brown, moderately hard to hard, blocky to angular, calcareous in parts, quartzose in parts, common disseminated and occasionally nodular pyrite, occasional white flecks. Grades to calcareous and silty limestone. LIMESTONE: As above		
1068.0 - 1071.0	98 2	SILTSTONE: greyish black to brownish black, moderately hard to hard, blocky to angular, minor sub platy, calcareous in parts, disseminated pyrite, trace very fine quartz grains, minor calcite inclusions. LIMESTONE:	36	5
1071.0 - 1074.0	98 2	SILTSTONE: as above LIMESTONE:		
1074.0 - 1077.0	100	SILTSTONE:	38	6
1077.0 - 1080.0	85 5	SILTSTONE: grey black to brown black, moderately hard to hard, blocky to angular, disseminated and nodular pyrite, trace very fine quartz, minor calcite inclusions. LIMESTONE: pale brown to brownish grey, brown black, calcisiltite to calcarenite, crystalline, friable to moderately hard, sucrosic in parts, relic oolites, possible brown oil staining, trace oily blebs on the mud, poor visible porosity in parts, no direct fluorescence, no cut.		
1080.0 - 1083.0	97 3	SILTSTONE: As above LIMESTONE: As above	36	4
1083.0 - 1086.0	97 3	SILTSTONE: AS above LIMESTONE: As above		
1086.0 - 1089.0	95 5	SILTSTONE: As above LIMESTONE: brownish grey to medium dark grey, dark brown, mottled in parts, calcisiltite to calcarenite, friable to moderately hard, crumbly to blocky, oolitic in parts, argillaceous inclusions and partings, no visible porosity.	38	4
1089.0 - 1092.0	98 2	SILTSTONE: As above LIMESTONE: As above		

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
1092.0 - 1095.0	95 5	SILTSTONE: as above LIMESTONE: as above	35	5
1095.0 - 1098.0	97 3	SILTSTONE: as above LIMESTONE: as above		
1098.0 - 1101.0	95 5	SILTSTONE: brown black to grey black, grey brown, hard to firm, blocky to occasional sub fissile, angular in part, grading to CLAYSTONE, micro micaceous in part, calcareous in part with calcareous inclusions and layers, minor calcite veining, disseminated pyrite LIMESTONE: as above	43	4
1101.0 - 1104.0	97 3	SILTSTONE: as above LIMESTONE: as above		
1104.0 - 1107.0	90 10	SILTSTONE: as above LIMESTONE: as above	40	5
1107.0 - 1110.0	95 5	SILTSTONE: as above LIMESTONE: grey black to brown black to medium grey, mottled, crystalline, calcisiltite to calcarenite in part, friable to moderately hard, crumbly to angular, oolitic fragments, silty and occasional quartzose layers, sucrosic texture in part, trace fossil fragments, silty CLAYSTONE, occasional dolomitic, nil to occasional very poor visible porosity, no direct fluorescence.		
1110.0 - 1113.0	95 5	SILTSTONE: as above LIMESTONE: as above	35	5
1113.0 - 1116.0	95 5	SILTSTONE: brown black to grey black, grey brown, hard to firm, blocky to occasional sub fissile, soft and amorphous and partially dispersive in part, common grading to organic rich CLAYSTONE, micro micaceous in part, minor calcareous inclusions and layers, minor calcite veining, disseminated pyrite, occasional very carbonaceous with coaly texture LIMESTONE: as above		
1116.0 - 1119.0	94 3 3	SILTSTONE: as above SANDSTONE: medium grey to brown black, very fine, hard to moderately hard, angular to blocky, sub rounded to sub angular, well sorted, calcareous cement, silty, micro micaceous, trace disseminated pyrite, grading to SILTSTONE, no visible porosity, very dull yellow fluorescence. LIMESTONE: mottled light to medium grey with grey brown to grey black, crystalline, calcisiltite to calcarenite in part, friable to moderately hard, crumbly to angular, oolitic fragments, silty and occasional quartzose layers, sucrosic texture in part, trace fossil fragments, occasional dolomitic, nil to occasional very poor visible porosity, no direct fluorescence.	28	5
1119.0 - 1122.0	95 5	SILTSTONE: as above LIMESTONE: as above		
1122.0 - 1125.0	98 2	SILTSTONE: as above LIMESTONE: as above	24	6
1125.0 - 1128.0	98 2	SILTSTONE: brown black to grey black, grey brown, hard to firm, blocky to occasional sub fissile, soft and amorphous and partially dispersive in part, common grading to organic rich CLAYSTONE, micro micaceous in part, minor calcareous inclusions and layers, minor calcite veining, disseminated pyrite, occasional very carbonaceous with coaly texture LIMESTONE: as above		
1128.0 - 1131.0	98 2	SILTSTONE: as above LIMESTONE: mottled light to medium grey with grey brown to grey black, crystalline, calcisiltite to calcarenite in part, friable to moderately hard, crumbly to angular, oolitic fragments, silty in part, sucrosic (quartzose?) texture in part, trace fossil fragments, occasional dolomitic, nil visible porosity, no direct fluorescence.	21	6

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
1131.0 - 1134.0	98 2	SILTSTONE: as above LIMESTONE: as above		
1134.0 - 1137.0	100	SILTSTONE: brown black to grey black, grey brown, hard to firm, blocky to occasional sub fissile, occasional soft and amorphous and partially dispersive, common grading to organic rich CLAYSTONE, micro micaceous in part, minor calcareous inclusions and layers, minor calcite veining, disseminated pyrite, occasional very carbonaceous with coaly texture	25	5
1137.0 - 1140.0	100	SILTSTONE: as above		
1140.0 - 1143.0	99 1	SILTSTONE: As Above LIMESTONE: mottled light to medium grey with grey brown to grey black, crystalline, calcisiltite to calcarenite in part, friable to moderately hard, crumbly to angular, oolitic fragments, silty in part, sucrosic (quartzose?) texture in part, trace fossil fragments, occasional dolomitic, nil visible porosity, no direct fluorescence.	22	6
1143.0 - 1146.0	99 1	SILTSTONE: grey black to olive black, firm to moderately hard, blocky to sub fissile, soft to amorphous in part to occasional dispersive, grading to organic rich CLAYSTONE, occasional very carbonaceous with coaly texture, common disseminated pyrite, occasional micro micaceous, occasional calcareous inclusions and layers, trace calcite micro veins LIMESTONE: as above		
1146.0 - 1149.0	100	SILTSTONE: as above	23	7
1149.0 - 1152.0	100	SILTSTONE: as above		
1152.0 - 1155.0	100	SILTSTONE: as above	22	6
1155.0 - 1158.0	100	SILTSTONE: grey black to olive black, firm to moderately hard, blocky to sub fissile, soft to amorphous in part to occasional dispersive, grading to organic rich CLAYSTONE, occasional very carbonaceous with coaly texture, common disseminated pyrite, occasional micro micaceous, occasional calcareous inclusions and layers, trace calcite micro veins		
1158.0 - 1161.0	100	SILTSTONE: as above	20	10
1161.0 - 1164.0	100	SILTSTONE: grey black to olive black, firm to moderately hard, blocky to sub fissile, soft to amorphous in part to occasional dispersive, grading to organic rich CLAYSTONE, occasional very carbonaceous with coaly texture, common disseminated pyrite, occasional micro micaceous, occasional calcareous inclusions and layers, trace calcite veins, trace quartzose veins		
1164.0 - 1167.0	100	SILTSTONE: as above	22	11
1167.0 - 1170.0	100	SILTSTONE: as above		
1170.0 - 1173.0	100	SILTSTONE: as above	25	43
1173.0 - 1179.0	95 5	SILTSTONE: grey black to olive black, firm to moderately hard, blocky to sub fissile, soft to amorphous in part to occasional dispersive, grading to organic rich CLAYSTONE, arenaceous in part, common disseminated pyrite, occasional micro micaceous, occasional calcareous inclusions and layers, trace calcite veins DOLOMITE: very light grey to brownish grey, dolosiltite, crystalline, firm to hard in parts, angular to crumbly, calcareous inclusions and micro laminations, grading to LIMESTONE in part, commonly argillaceous, disseminated pyrite, no visible porosity, dull yellow mineral fluorescence, no direct hydrocarbon fluorescence.	23	40
1179.0 - 1182.0	100	SILTSTONE:		
1182.0 - 1185.0	75 25	SILTSTONE: as above DOLOMITE: as above	22	52
1185.0 - 1188.0	75 25	SILTSTONE: as above DOLOMITE: as above		
1188.0 - 1191.0	75 25	SILTSTONE: as above DOLOMITE: as above	25	49

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
1191.0 - 1194.0	60 40	SILTSTONE: DOLOMITE: very light grey to brownish grey to pale brown, doloarenite to dolosiltite, crystalline, firm to hard in parts, angular to crumbly, sucrosic in parts, calcareous inclusions and micro laminations, grading to LIMESTONE in part, common light brown to locally black staining (oil and bituminous?), vugs filled with bituminous material and secondary minerals (orange/yellow and grey), some large rhombs of clear translucent mineral (little reaction in acid), disseminated pyrite, trace loose quartz grains, no visible porosity to localised poor porosity and inferred vug porosity, dull yellow mineral fluorescence, no direct hydrocarbon fluorescence.		
1194.0 - 1197.0	70 30	DOLOMITE: As Above SILTSTONE: As Above	24	63
1197.0 - 1200.0	80 20	DOLOMITE: As Above SILTSTONE: As Above		
1200.0 - 1203.0	65 35	DOLOMITE: very light grey to brownish grey to pale brown, doloarenite to dolosiltite, crystalline, firm to hard in parts, angular to crumbly, sucrosic in parts, calcareous inclusions and micro laminations, grading to LIMESTONE in part, common light brown to locally black staining (oil and bituminous?), vugs filled with bituminous material and secondary minerals (orange/yellow and grey), some large rhombs of clear translucent mineral (little reaction in acid), disseminated pyrite, trace loose quartz grains, no visible porosity to localised poor porosity and inferred vug porosity, dull yellow mineral fluorescence, no direct hydrocarbon fluorescence. SILTSTONE: grey black to olive black, firm to moderately hard, blocky to sub fissile, soft to amorphous in part to occasional dispersive, carbonaceous grading to CLAYSTONE in part, common disseminated pyrite, occasional micro micaceous, occasional calcareous inclusions and layers, calcite veins	24	52
1203.0 - 1206.0	70 30	DOLOMITE: as above SILTSTONE: as above		
1206.0 - 1209.0	85 15	DOLOMITE: as above SILTSTONE: as above	20	54
1209.0 - 1212.0	80 20	DOLOMITE: as above SILTSTONE: as above		
1212.0 - 1215.0	90 10	DOLOMITE: very light grey to brownish grey to pale brown, doloarenite to dolosiltite, crystalline, firm to hard in parts, angular to crumbly, sucrosic in parts, calcareous inclusions and micro laminations, grading to LIMESTONE in part, common light brown to locally black staining (oil and bituminous?), occasional vugs filled with bituminous material and secondary minerals (orange/yellow and grey), some large rhombs of clear translucent mineral (little reaction in acid), occasional stylolites, minor silty and argillaceous partings, disseminated pyrite, trace loose quartz grains, no visible porosity to localised fair porosity and inferred vug porosity, dull yellow mineral fluorescence, no direct hydrocarbon fluorescence. SILTSTONE: grey black to olive black, firm to moderately hard, blocky to sub fissile, soft to amorphous in part to occasional dispersive, carbonaceous grading to CLAYSTONE in part, common disseminated pyrite, occasional micro micaceous, occasional calcareous inclusions and layers, calcite veins	20	54
1215.0 - 1218.0	90 10	DOLOMITE: as above SILTSTONE: as above		
1218.0 - 1221.0	97 3	DOLOMITE: as above SILTSTONE: as above	20	61
1221.0 - 1224.0	97 3	DOLOMITE: as above, nil to very poor visible porosity, very poor to poor inferred secondary porosity and vug porosity. SILTSTONE: as above		
1224.0 - 1227.0	97 3	DOLOMITE: as above SILTSTONE: as above	20	59
1227.0 - 1230.0	97	DOLOMITE: very light grey to brownish grey to pale brown, doloarenite to dolosiltite, crystalline, firm to hard in parts, angular to crumbly, sucrosic in parts, calcareous		

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
	3	inclusions and micro laminations, grading to LIMESTONE in part, common light brown to locally black staining (oil and bituminous?), occasional vugs filled with bituminous material, some large rhombs of clear translucent mineral (little reaction in acid), disseminated pyrite, trace loose quartz grains, nil to very poor visible porosity, very poor to poor inferred secondary porosity and vug porosity, dull yellow mineral fluorescence, no direct hydrocarbon fluorescence, no cut SILTSTONE: grey black to olive black, firm to moderately hard, blocky to sub fissile, carbonaceous grading to CLAYSTONE in part, common disseminated pyrite, occasional micro micaceous, occasional calcareous inclusions and layers, calcite veins		
1230.0 - 1233.0	95 5	DOLOMITE: as above SILTSTONE: as above	26	55
1233.0 - 1236.0	100	DOLOMITE: as above, very silty in parts,		
1236.0 - 1239.0	100	DOLOMITE: very light grey to dark brownish grey to pale brown, doloarenite to dolosiltite, crystalline, firm to hard in parts, angular to crumbly, sucrosic in parts, occasionally grading to LIMESTONE in part, occasional vugs filled with bituminous material, some large rhombs of clear translucent mineral (little reaction in acid), disseminated pyrite, trace stylolites, nil to occasionally poor visible porosity, poor to fair inferred secondary porosity and vug porosity, dull yellow mineral fluorescence, no direct hydrocarbon fluorescence, no cut	33	56
1239.0 - 1242.0	100	DOLOMITE: as above		
1242.0 - 1245.0	97 3	DOLOMITE: very light grey to dark brownish grey to pale brown, doloarenite to dolosiltite, crystalline, firm to hard in parts, angular to crumbly, sucrosic in parts, occasionally grading to LIMESTONE in part, occasional vugs filled with bituminous material, some large rhombs of clear translucent mineral (little reaction in acid), disseminated pyrite, trace stylolites, nil to occasionally poor visible porosity, poor to fair inferred secondary porosity and vug porosity, dull yellow mineral fluorescence, no direct hydrocarbon fluorescence, no cut SILTSTONE: grey black to olive black, firm to moderately hard, blocky to sub fissile, carbonaceous grading to CLAYSTONE in part, common disseminated pyrite, occasional micro micaceous, occasional calcareous inclusions and layers, calcite veins	24	62
1245.0 - 1248.0	100 0	DOLOMITE: as above SILTSTONE: as above		
1248.0 - 1251.0	99 1	DOLOMITE: as above SILTSTONE: as above	26	73
1251.0 - 1254.0	99 1	DOLOMITE: as above SILTSTONE: as above		
1254.0 - 1257.0	100	DOLOMITE: as above	21	73
1257.0 - 1260.0	100	DOLOMITE: as above		
1260.0 - 1263.0	100	DOLOMITE: as above	20	63
1263.0 - 1266.0	100	DOLOMITE: very light grey to predominantly dark brownish grey, rarely pale brown, doloarenite to dolosiltite, crystalline, firm to hard in parts, rarely very hard, angular to sub-angular, sucrosic in parts, calcareous occasionally grading to LIMESTONE, occasional vugs filled with bituminous material, rare rhombic gypsum (selenite)), occasional disseminated pyrite, trace stylolites, nil to occasionally poor visible porosity, poor to fair inferred secondary porosity and vug porosity, dull orange yellow mineral fluorescence, no direct hydrocarbon fluorescence, no cut		
1266.0 - 1269.0	100	DOLOMITE: as above	28	71
1269.0 - 1272.0	100	DOLOMITE: as above	27	62
1272.0 - 1275.0	100	DOLOMITE: as above		
1275.0 - 1278.0	100	DOLOMITE: as above	24	71
1278.0 - 1281.0	100	DOLOMITE: as above		

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
1281.0 - 1284.0	100	DOLOMITE: very light grey to predominantly dark brownish grey, rarely pale brown, doloarenite to dolosiltite, crystalline, firm to hard in parts, rarely very hard, angular to sub-angular, sucrosic in parts, calcareous occasionally grading to LIMESTONE, occasional vugs filled with bituminous material, trace rhombic gypsum (selenite), occasional disseminated pyrite, trace stylolites, nil to trace very poor visible porosity, poor inferred secondary porosity and vug porosity, very dull yellow mineral fluorescence, no direct hydrocarbon fluorescence, no cut	26	64
1284.0 - 1287.0	100	DOLOMITE: as above		
1287.0 - 1290.0	100	DOLOMITE: as above	27	64
1290.0 - 1293.0	100	DOLOMITE: pale brownish grey to light grey to medium grey, occasional brownish black, DOLOARENITE to DOLOSILTITE, hard to very hard in parts, occasional friable, angular to sub angular, rare sub fissile, common sucrosic, mildly calcareous, grading to LIMESTONE, common chert, disseminated pyrite, trace stylolites, occasional rhombic gypsum, trace quartz silt, no to very poor visible porosity, poor inferred porosity, dull yellow mineral fluorescence, no cut		
1293.0 - 1296.0	100	DOLOMITE: as above	28	61
1296.0 - 1299.0	100	DOLOMITE: as above		
1299.0 - 1302.0	100	DOLOMITE: as above	27	67
1302.0 - 1305.0	100	DOLOMITE: pale brownish grey to light grey to medium grey, occasional brownish black, DOLOARENITE to DOLOSILTITE, hard to very hard in parts, occasional friable, angular to sub angular, rare sub fissile, common sucrosic, mildly calcareous, grading to LIMESTONE, common chert, disseminated pyrite, trace stylolites, occasional rhombic gypsum, trace quartz silt, no to very poor visible porosity, poor inferred porosity, dull yellow mineral fluorescence, no cut		
1305.0 - 1308.0	100	DOLOMITE: as above	29	60
1308.0 - 1311.0	100	DOLOMITE: as above		
1311.0 - 1314.0	100	DOLOMITE: as above	30	61
1314.0 - 1317.0	100	DOLOMITE: as above		
1317.0 - 1320.0	100	DOLOMITE: as above	27	60
1320.0 - 1323.0	100	DOLOMITE: pale brownish grey to light grey to medium grey, occasional brownish black, DOLOARENITE to DOLOSILTITE, hard to very hard in parts, occasional friable, angular to sub angular, rare sub fissile, common sucrosic, mildly calcareous, grading to LIMESTONE, occasional grading to MUDSTONE, common chert, disseminated pyrite, trace stylolites, occasional rhombic gypsum, trace quartz silt, no to very poor visible porosity, poor inferred porosity, dull yellow mineral fluorescence, no cut		
1323.0 - 1326.0	100	DOLOMITE: as above	24	65
1326.0 - 1329.0	100	DOLOMITE: as above		
1329.0 - 1332.0	100	DOLOMITE: as above	24	68
1332.0 - 1335.0	100	DOLOMITE: pale brownish grey to medium grey, common brownish black, DOLOARENITE to DOLOSILTITE, hard to very hard in parts, occasional friable, angular to sub angular, rare sub fissile, common sucrosic, mildly calcareous, grading to LIMESTONE, occasional grading to MUDSTONE, common chert, disseminated pyrite, trace stylolites, occasional bituminous material in vugs and fractures, occasional rhombic gypsum, trace quartz silt, no to very poor visible porosity, poor inferred porosity, dull yellow mineral fluorescence, no cut		
1335.0 - 1338.0	100	DOLOMITE: as above	25	64
1338.0 - 1341.0	100	DOLOMITE: as above		
1341.0 - 1344.0	100	DOLOMITE: as above	25	60
1344.0 - 1347.0	100	DOLOMITE: as above		
1347.0 - 1350.0	100	DOLOMITE: pale brownish grey to medium grey, common brownish black, DOLOARENITE to DOLOSILTITE, hard to very hard in parts, occasional friable,	25	66

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
		angular to sub angular, rarely sub fissile, commonly sucrosic, slightly calcareous, grading to LIMESTONE, common chert, disseminated pyrite, trace stylolites, occasional bituminous material in vugs and fractures, occasional rhombic gypsum (loose and as crystal regrowth), trace quartz silt, no to very poor visible porosity, poor inferred porosity, occasional dull yellow mineral fluorescence, no cut		
1350.0 - 1353.0	100	DOLOMITE: pale brownish grey to medium grey, common brownish black, DOLOARENITE to DOLOSILTITE, hard to very hard in parts, occasional friable, angular to sub angular, rarely sub fissile, commonly sucrosic, slightly calcareous, grading to LIMESTONE, common chert, disseminated pyrite, trace stylolites, occasional bituminous material in vugs and fractures, occasional rhombic gypsum (loose and as crystal regrowth), trace quartz silt, no to very poor visible porosity, poor inferred porosity, occasional dull yellow mineral fluorescence, no cut		
1353.0 - 1356.0	100	DOLOMITE: as above	23	65
1356.0 - 1359.0	100	DOLOMITE: pale brownish grey to medium grey, common brownish black, DOLOARENITE to DOLOSILTITE, hard to very hard in parts, occasional friable, angular to sub angular, rarely sub fissile, commonly sucrosic, slightly calcareous, slightly to moderately argillaceous, occasional to abundant chert, trace to common disseminated pyrite, trace stylolites, occasional to common bituminous material in vugs and fractures, occasional rhombic gypsum (loose and as crystal regrowth), occasional calcite and gypsum veins, no to very poor visible porosity, poor inferred porosity, occasional dull yellow mineral fluorescence, no cut.		
1359.0 - 1362.0	100	DOLOMITE: as above	21	65
1362.0 - 1365.0	100	DOLOMITE: as above		
1365.0 - 1368.0	100	DOLOMITE: as above	14	75
1368.0 - 1371.0	100	DOLOMITE: as above		
1371.0 - 1374.0	100	DOLOMITE: as above	10	80
1374.0 - 1377.0	99	DOLOMITE: brownish grey to medium grey, common brownish black, DOLOARENITE to DOLOSILTITE, occ crystalline, firm to hard in parts, friable in part, angular to sub angular, rarely sub fissile, commonly sucrosic, slightly calcareous, grading to LIMESTONE, slightly to moderately argillaceous, occasional chert, trace to common disseminated pyrite, trace stylolites, occasional rhombic gypsum (loose and as crystal regrowth), occasional calcite veins, no to very poor visible porosity, poor inferred porosity, no fluorescence		
	1	SILTSTONE: dark grey to greyish black, occasional olive black, grey black to olive black, firm to moderately hard, angular to blocky, common disseminated pyrite, occasional micro micaceous, occasional calcareous inclusions and layers, calcite micro veins		
1377.0 - 1380.0	99	DOLOMITE: as above	14	76
	1	SILTSTONE: as above		
1380.0 - 1383.0	100	DOLOMITE: as above		
1383.0 - 1386.0	100	DOLOMITE: as above	14	75
1386.0 - 1389.0	100	DOLOMITE: as above		
1389.0 - 1392.0	100	DOLOMITE: as above	14	76
1392.0 - 1395.0	100	DOLOMITE: pale to dark greyish brown, common brownish black, DOLOARENITE to DOLOSILTITE, hard to very hard in parts, occasional friable, angular to sub angular, rarely sub fissile, commonly sucrosic, slightly calcareous, slightly to moderately argillaceous, occasional to abundant chert, trace to common disseminated pyrite, trace stylolites, occasional rhombic gypsum (loose and as crystal regrowth), occasional calcite and gypsum veins, no to very poor visible porosity, poor inferred porosity, occasional dull yellow mineral fluorescence, no cut.		
1395.0 - 1398.0	100	DOLOMITE: as above	11	84
1398.0 - 1401.0	100	DOLOMITE: as above		
1401.0 - 1404.0	100	DOLOMITE: as above	12	81

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
1404.0 - 1407.0	100	DOLOMITE: as above		
1407.0 - 1410.0	100	DOLOMITE: pale to dark greyish brown, common brownish black, DOLOARENITE to DOLOSILTITE, hard to very hard in parts, occasional friable, angular to sub angular, rarely sub fissile, commonly sucrosic, slightly calcareous, slightly to moderately argillaceous, occasional to abundant chert, trace to common disseminated pyrite, trace stylolites, occasional rhombic gypsum (loose and as crystal regrowth), occasional calcite and gypsum veins, no to very poor visible porosity, poor inferred porosity, occasional dull yellow mineral fluorescence, no cut.	11	82
1410.0 - 1413.0	100	DOLOMITE: as above		
1413.0 - 1416.0	100	DOLOMITE: as above	15	79
1416.0 - 1419.0	100	DOLOMITE: as above		
1419.0 - 1422.0	100	DOLOMITE: as above	18	80
1422.0 - 1425.0	100	DOLOMITE: pale to dark greyish brown, common brownish black, DOLOARENITE to DOLOSILTITE, hard to very hard in parts, occasional friable, angular to sub angular, commonly sucrosic, slightly calcareous, slightly to moderately argillaceous in part, common chert, trace to common disseminated pyrite, trace stylolites, occasional rhombic gypsum (loose and as crystal regrowth), occasional calcite and gypsum veins, no to very poor visible porosity, poor inferred porosity, occasional dull yellow mineral fluorescence, no cut.		
1425.0 - 1428.0	100	DOLOMITE: as above	16	82
1428.0 - 1431.0	100	DOLOMITE: as above		
1431.0 - 1434.0	100	DOLOMITE: as above	14	84
1434.0 - 1437.0	100	DOLOMITE: as above		
1437.0 - 1440.0	100	DOLOMITE: very pale to dark greyish brown, occasional brownish black, DOLOARENITE to DOLOSILTITE, hard to very hard in parts, occasional friable, angular to sub angular, commonly sucrosic, slightly calcareous, slightly to moderately argillaceous in part, common chert, trace to common disseminated pyrite, trace stylolites, occasional rhombic gypsum (loose and as crystal regrowth), occasional calcite, dolomite and gypsum veins, no to very poor visible porosity, poor inferred porosity, occasional dull yellow mineral fluorescence, no cut.	14	84
1440.0 - 1443.0	100	DOLOMITE: as above		
1443.0 - 1446.0	100	DOLOMITE: as above	26	70
1446.0 - 1449.0	100	DOLOMITE: very pale to occasionally dark greyish brown, occasional brownish black, DOLOARENITE to DOLOSILTITE, very fine to fine, well sorted, angular to sub angular, commonly sucrosic, slightly calcareous, slightly to moderately argillaceous in part, common chert, trace to common disseminated pyrite, trace stylolites, occasional rhombic gypsum (loose and as crystal regrowth), occasional calcite, dolomite and gypsum veins, hard to very hard in parts, occasionally friable, no to very poor visible porosity, poor inferred porosity, occasional dull yellow mineral fluorescence, no cut.		
1449.0 - 1452.0	100	DOLOMITE: as above	38	61
1452.0 - 1455.0	100	DOLOMITE: as above		
1455.0 - 1458.0	100	DOLOMITE: very pale to medium, occasionally dark greyish brown, rarely brownish black, DOLOARENITE to DOLOSILTITE, very fine to fine, well sorted, angular to sub angular, commonly sucrosic, slightly calcareous, slightly to moderately argillaceous in part, common chert, trace to common disseminated pyrite, trace stylolites, occasional rhombic gypsum (loose and as crystal regrowth), occasional calcite, dolomite and gypsum veins, hard to very hard in parts, occasionally friable, no to very poor visible porosity, poor inferred porosity, occasional dull yellow mineral fluorescence, no cut.	29	69
1458.0 - 1461.0	100	DOLOMITE: as above		
1461.0 - 1464.0	100	DOLOMITE: as above	25	73
1464.0 - 1467.0	100	DOLOMITE: as above		
1467.0 - 1470.0	100	DOLOMITE: as above	28	71

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
1470.0 - 1473.0	100	DOLOMITE: medium to dark greyish brown, occasional pale brown, rarely brownish black, DOLOARENITE to DOLOSILTITE, very fine to fine, angular to sub angular, trace sub fissile, commonly sucrosic, slightly calcareous, slightly to moderately argillaceous in part, common chert, trace to common disseminated pyrite, trace stylolites, occasional rhombic gypsum (loose and as crystal regrowth), occasional calcite, dolomite and gypsum veins, hard to very hard in parts, occasionally friable, no to very poor visible porosity, poor inferred porosity, occasional dull yellow mineral fluorescence, no cut.		
1473.0 - 1476.0	100	DOLOMITE: as above	26	68
1476.0 - 1479.0	100	DOLOMITE: as above		
1479.0 - 1482.0	100	DOLOMITE: as above	25	72
1482.0 - 1485.0	100	DOLOMITE: as above		
1485.0 - 1488.0	100	DOLOMITE: pale brown to dark grey brown, common medium grey brown, rarely brownish black, DOLOARENITE to DOLOSILTITE, very fine to fine, angular to sub angular, trace sub fissile, commonly sucrosic, slightly calcareous, slightly to moderately argillaceous in part, common chert, trace to common disseminated pyrite, trace stylolites, occasional rhombic gypsum (loose and as crystal regrowth), occasional calcite, dolomite and gypsum veins, hard to very hard in parts, occasionally friable, no to very poor visible porosity, poor inferred porosity, occasional dull yellow mineral fluorescence, no cut.	32	67
1488.0 - 1491.0	100	DOLOMITE: as above		
1491.0 - 1494.0	100	DOLOMITE: as above	30	66
1494.0 - 1497.0	100	DOLOMITE: as above		
1497.0 - 1500.0	100	DOLOMITE: as above	29	70
1500.0 - 1503.0	100	DOLOMITE: dark grey brown to predominantly medium grey brown, rarely brownish black, DOLOARENITE to DOLOSILTITE, very fine to fine, angular to sub angular, trace sub fissile, commonly sucrosic, slightly calcareous, slightly to moderately argillaceous in part, common chert, trace to common disseminated pyrite, trace stylolites, trace to occasional rhombic gypsum (loose and as crystal regrowth), trace calcite, dolomite and gypsum veins, hard to very hard in parts, occasionally friable, no to very poor visible porosity, poor inferred porosity, trace dull yellow mineral fluorescence, no cut.		
1503.0 - 1506.0	100	DOLOMITE: as above	25	72
1506.0 - 1509.0	100	DOLOMITE: as above		
1509.0 - 1512.0	100	DOLOMITE: pale brown to dark grey brown, common medium grey brown, rarely brownish black, DOLOARENITE to DOLOSILTITE, very fine to fine, moderately hard to very hard in parts, occasionally friable, angular to sub angular, trace sub fissile, commonly sucrosic, moderately calcareous, slightly to moderately argillaceous in part, trace chert, trace to common disseminated pyrite, trace stylolites, occasional rhombic gypsum (loose and as crystal regrowth), trace calcite, dolomite and gypsum veins, no to very poor visible porosity, poor inferred porosity, occasional dull yellow mineral fluorescence, no cut.	19	78
1512.0 - 1515.0	100	DOLOMITE: as above		
1515.0 - 1518.0	100	DOLOMITE: very light grey to pale brown to occasional dark brownish grey, doloarenite to dolosiltite, firm to mod hard, hard in parts, angular to crumbly, common sucrosic, calcareous, trace chert, occasionally grading to LIMESTONE in part, trace vugs filled with bituminous material, occasional rhombic gypsum (loose and as crystal regrowth), common disseminated pyrite, trace stylolites, nil to occasionally very poor visible porosity, poor inferred secondary porosity and vug porosity, trace dull yellow mineral fluorescence, no cut	24	73
1518.0 - 1521.0	100	DOLOMITE: as above		
1521.0 - 1524.0	100	DOLOMITE: very light grey to pale brown to occasional dark brownish grey, doloarenite to dolosiltite, firm to mod hard, hard in parts, angular to crumbly, common sucrosic, calcareous, trace chert, occasionally grading to LIMESTONE in part, trace vugs filled with bituminous material, occasional rhombic gypsum (loose and as crystal regrowth), common disseminated pyrite, trace stylolites, nil to occasionally very poor visible porosity, poor inferred secondary porosity and vug porosity, trace dull yellow	25	73

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
		mineral fluorescence, no cut		
1524.0 - 1527.0	100	DOLOMITE: as above		
1527.0 - 1530.0	100	DOLOMITE: as above	26	72
1530.0 - 1533.0	100	DOLOMITE: as above		
1533.0 - 1536.0	100	DOLOMITE: pale brown to dark grey brown, common medium grey brown, rare brownish black, DOLOARENITE to DOLOSILTITE, firm to moderately hard in parts, occasionally friable, angular to sub angular, trace sub fissile, commonly sucrosic, moderately calcareous, slightly to moderately argillaceous, trace to common disseminated pyrite, trace stylolites, occasional rhombic gypsum (loose and as crystal regrowth), trace calcite, dolomite and gypsum veins, no to very poor visible porosity, poor inferred porosity, occasional dull yellow mineral fluorescence, no cut.	27	72
1536.0 - 1539.0	100	DOLOMITE: as above		
1539.0 - 1542.0	100	DOLOMITE: as above	29	71
1542.0 - 1545.0	100	DOLOMITE: as above		
1545.0 - 1548.0	100	DOLOMITE: pale brown to dark grey brown, common medium grey brown, rare brownish black, DOLOARENITE to DOLOSILTITE, firm to moderately hard in parts, occasionally friable, angular to sub angular, trace sub fissile, commonly sucrosic, moderately calcareous, slightly to moderately argillaceous, common chert, trace to common disseminated pyrite, trace stylolites, occasional rhombic gypsum (loose and as crystal regrowth), trace calcite, dolomite and gypsum veins, no to very poor visible porosity, poor inferred porosity, occasional dull yellow mineral fluorescence, no cut.	24	74
1548.0 - 1551.0	100	DOLOMITE: as above		
1551.0 - 1554.0	100	DOLOMITE: as above	22	78
1554.0 - 1557.0	100	DOLOMITE: as above		
1557.0 - 1560.0	100	DOLOMITE: pale brown to dark grey brown, common medium grey brown to brownish black, DOLOARENITE to DOLOSILTITE, firm to moderately hard in parts, trace hard to very hard, occasionally friable, angular to sub angular, trace sub fissile, commonly sucrosic, moderately calcareous, slightly to moderately argillaceous, common chert, disseminated pyrite, trace stylolites, occasional rhombic gypsum (loose and as crystal regrowth), trace calcite, dolomite and gypsum veins, no to very poor visible porosity, poor inferred porosity, occasional dull yellow mineral fluorescence, no cut.	17	82
1560.0 - 1563.0	100	DOLOMITE: as above		
1563.0 - 1566.0	100	DOLOMITE: as above	19	80
1566.0 - 1569.0	100	DOLOMITE: pale brown to dark grey brown, common medium grey brown, rare brownish black, DOLOARENITE to DOLOSILTITE, firm to moderately hard in parts, occasionally friable, angular to sub angular, trace sub fissile, commonly sucrosic, moderately calcareous, slightly to moderately argillaceous, common chert, trace to common disseminated pyrite, trace stylolites, occasional rhombic gypsum (loose and as crystal regrowth), trace calcite, dolomite and gypsum veins, no to very poor visible porosity, poor inferred porosity, occasional dull yellow mineral fluorescence, no cut.		
1569.0 - 1572.0	100	DOLOMITE: as above	21	77
1572.0 - 1575.0	100	DOLOMITE: as above		
1575.0 - 1578.0	100	DOLOMITE: as above	19	78
1578.0 - 1581.0	100	DOLOMITE: as above		
1581.0 - 1584.0	100	DOLOMITE: as above	20	76
1584.0 - 1587.0	100	DOLOMITE: as above		
1587.0 - 1590.0	100	DOLOMITE: as above	22	77
1590.0 - 1593.0	95	DOLOMITE: pale brown to dark grey brown, common medium grey brown, rare brownish black, DOLOARENITE to DOLOSILTITE, firm to moderately hard in parts, occasionally friable, angular to sub angular, trace sub fissile, commonly sucrosic,		

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
	5	moderately calcareous, slightly to moderately argillaceous in part, trace to common chert, trace to common disseminated pyrite, trace stylolites, trace rhombic gypsum (loose and as crystal regrowth), trace calcite, dolomite and gypsum veins, no to very poor visible porosity, poor inferred porosity, occasional dull yellow mineral fluorescence, no cut. SILTSTONE: light to middle brownish grey, rarely dark brownish grey, argillaceous, slightly dolomitic, moderately hard, sub fissile, no shows, no cut.		
1593.0 - 1596.0	100 0	DOLOMITE: as above SILTSTONE: as above	20	79
1596.0 - 1599.0	100 0	DOLOMITE: as above SILTSTONE: as above		
1599.0 - 1602.0	98 2	DOLOMITE: very pale brown to occasionally dark grey brown, common medium grey brown, rare brownish black, DOLOARENITE to DOLOSILTITE, firm to moderately hard in parts, occasionally friable, angular to sub angular, trace sub fissile, commonly sucrosic, moderately calcareous, slightly to moderately argillaceous in part, trace to common chert, trace to common disseminated pyrite, trace stylolites, trace rhombic gypsum (loose and as crystal regrowth), trace calcite, dolomite and gypsum veins, no to very poor visible porosity, poor inferred porosity, occasional dull yellow mineral fluorescence, no cut. SILTSTONE: medium to dark greyish brown, occly brownish black, argillaceous, slightly dolomitic, slightly to very carbonaceous, occasionally abundant micro-pyrite, very firm to moderately hard, sub fissile, no shows, no cut.		

PetroFrontier

Cuttings Descriptions Report

Well Name : Baldwin-2 HST1			Print Date 29/02/2012	
Wellsite Geologist(s) : P Elliott T Baily O Ningelgen				
Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
HST1				
1098.0 - 1101.0	60	CEMENT:		
	40	SILTSTONE: dark brownish grey to brownish black, moderately to very argillaceous, slightly to moderately carbonaceous, rare to occasional very fine quartz grains, rare very fine pyrite, friable and dispersive to moderately hard, rarely very hard, blocky to sub-blocky, no fluorescence, no shows.		
1101.0 - 1104.0	80	SILTSTONE: as above		
	20	CEMENT:		
1104.0 - 1107.0	80	SILTSTONE: as above		
	20	CEMENT:		
1107.0 - 1110.0	80	SILTSTONE: as above		
	20	CEMENT:		
1110.0 - 1113.0	90	SILTSTONE: as above	41	7
	10	CEMENT:		
1113.0 - 1116.0	90	SILTSTONE: dark grey to brownish black to grey black, moderately to very argillaceous, slightly to moderately carbonaceous, mildly calcareous, trace grading to LIMESTONE, rare to occasional very fine quartz grains, very fine pyrite, trace calcite inclusions, friable and dispersive to moderately hard, rarely very hard, blocky to sub-blocky, no fluorescence, no shows.	28	7
	10	CEMENT:		
1116.0 - 1119.0	97	SILTSTONE: as above		
	3	LIMESTONE: very pale brown to dark yellowish brown, CALCISILTITE to CALCARENITE in part, friable to soft, moderately hard in part, crumbly to angular, trace oolitic fragments, silty and occasional quartzose layers, common sucrosic texture, occasional dolomitic, nil to occasional very poor visible porosity, no direct fluorescence.		
1119.0 - 1122.0	97	SILTSTONE: as above	21	6
	3	LIMESTONE: as above		
1122.0 - 1125.0	97	SILTSTONE: as above		
	3	LIMESTONE: as above		
1125.0 - 1128.0	97	SILTSTONE: dark grey to brownish black to grey black, argillaceous, moderately carbonaceous in part, mildly calcareous, occasional grading to and finely interlaminated with LIMESTONE, rare to occasional very fine quartz grains, disseminated pyrite, occasional carbonaceous specks, trace calcite inclusions and micro veins, friable and dispersive to moderately hard, rarely very hard, blocky to sub-blocky, no fluorescence, no shows.	20	8
	3	LIMESTONE: very pale brown to dark yellowish brown, CALCISILTITE to CALCARENITE in part, friable to soft, moderately hard in part, crumbly to angular, trace oolitic fragments, silty and occasional quartzose layers, disseminated pyrite, black organic inclusions, common sucrosic texture, occasional dolomitic, nil to occasional very poor visible porosity, no direct fluorescence.		
1128.0 - 1131.0	97	SILTSTONE: as above		
	3	LIMESTONE: as above		
1131.0 - 1134.0	99	SILTSTONE: as above	22	9
	1	LIMESTONE: as above		
1134.0 - 1137.0	97	SILTSTONE: as above		

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
1134.0 - 1137.0	3	LIMESTONE: as above		
1137.0 - 1140.0	97	SILTSTONE: dark grey to brownish black to grey black, argillaceous, moderately carbonaceous in part, mildly calcareous, occasional grading to and finely interlaminated with LIMESTONE, rare to occasional very fine quartz grains, disseminated pyrite, occasional carbonaceous specks, trace calcite inclusions and micro veins, friable and dispersive to moderately hard, rarely very hard, blocky to trace sub-fissile, no fluorescence, no shows.	20	7
	3	LIMESTONE: very pale brown to dark yellowish brown, CALCISILTITE to CALCARENITE in part, friable to soft, moderately hard in part, crumbly to angular, trace oolitic fragments, silty and occasional quartzose layers, disseminated pyrite, trace black organic inclusions, common sucrosic texture, occasional dolomitic, poor visible and inferred porosity, no fluorescence.		
1140.0 - 1143.0	100	SILTSTONE: as above		
1143.0 - 1146.0	95	SILTSTONE: as above	21	8
	5	LIMESTONE: occasional very pale brown to predominantly dark yellowish brown, mottled with medium to dark grey in part, CALCISILTITE to CALCARENITE in part, soft to firm, friable in part, crumbly to angular, trace oolitic fragments, silty and occasional quartzose layers, disseminated pyrite, trace black organic inclusions, common sucrosic texture, occasional dolomitic, poor visible and inferred porosity, no fluorescence, no cut		
1146.0 - 1149.0	97	SILTSTONE: dark grey to brownish black to grey black, argillaceous, moderately carbonaceous in part, mildly calcareous, occasional grading to and finely interlaminated with LIMESTONE, rare to occasional very fine quartz grains, disseminated pyrite, occasional carbonaceous specks, trace calcite inclusions and micro veins, friable and dispersive to moderately hard, rarely very hard, blocky to trace sub-fissile, occasional concoidal, no fluorescence, no shows.		
	3	LIMESTONE: as above		
1149.0 - 1152.0	95	SILTSTONE: as above	20	8
	5	LIMESTONE: as above		
1152.0 - 1155.0	93	SILTSTONE: as above		
	7	LIMESTONE: greyish brown to dusky brown, occasional pale brown mottled with medium to dark grey in part, CALCISILTITE to CALCARENITE in part, soft to firm, friable in part, crumbly to angular, trace oolitic fragments, silty and occasional quartzose layers, disseminated pyrite, trace black organic inclusions, common sucrosic texture, occasional dolomitic, poor visible and inferred porosity, no fluorescence, no cut		
1155.0 - 1158.0	97	SILTSTONE: as above	20	6
	3	LIMESTONE: as above		
1158.0 - 1161.0	100	SILTSTONE: as above		
1161.0 - 1164.0	100	SILTSTONE: dark grey to brownish black to grey black, argillaceous grading to arenaceous in part, moderately carbonaceous in part, mildly calcareous, occasional grading to and finely interlaminated with LIMESTONE, occasional very fine quartz grains, disseminated pyrite, trace carbonaceous specks, trace calcite inclusions and micro veins, friable and dispersive to moderately hard, rarely very hard, blocky to sub-fissile, concoidal in part, no fluorescence, no shows.	13	4
1164.0 - 1167.0	100	SILTSTONE: as above		
1167.0 - 1170.0	100	SILTSTONE: as above	9	4
1170.0 - 1173.0	100	SILTSTONE: as above		
1173.0 - 1176.0	100	SILTSTONE: dark grey to brownish black to grey black, argillaceous grading to arenaceous in part, occasional carbonaceous, moderately calcareous, occasional grading to and finely interlaminated with LIMESTONE, occasional very fine quartz grains, disseminated pyrite, calcite inclusions and micro veins, occasional gypsum micro veins, moderately hard to very hard, trace friable and dispersive, blocky to sub-fissile, concoidal in part, no fluorescence, no shows.	5	7
1176.0 - 1179.0	100	SILTSTONE: dark grey to brownish black to grey black, argillaceous, modly to very carbonaceous, moderately calcareous to dolomitic, common carbonaceous flakes in part, rare very fine quartz grains, common disseminated to fine pyrite, calcite and		

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
		dolomite inclusions and micro veins, occasional gypsum micro veins, moderately hard to very hard, trace friable and dispersive, blocky to sub-fissile, conchoidal to hackly fracture, no fluorescence, no shows.		
1179.0 - 1182.0	100	SILTSTONE: as above	4	8
1182.0 - 1185.0	100	SILTSTONE: as above		
1185.0 - 1188.0	100	SILTSTONE: as above	3	7
1188.0 - 1191.0	100	SILTSTONE: dark grey to brownish black to grey black, argillaceous,modly to very carbonaceous, moderately calcareous to dolomitic, common carbonaceous flakes in part, rare very fine quartz grains, common disseminated to fine pyrite, calcite and dolomite inclusions and micro veins, occasional gypsum micro veins, moderately hard to very hard, trace friable and dispersive, blocky to sub-fissile, conchoidal to hackly fracture, no fluorescence, no shows.		
1191.0 - 1194.0	100	SILTSTONE: as above	2	8
1194.0 - 1197.0	100	SILTSTONE: as above		
1197.0 - 1200.0	100	SILTSTONE: as above	3	8
1200.0 - 1203.0	100	SILTSTONE: as above		
1203.0 - 1206.0	100	SILTSTONE: dark grey to brownish black to grey black, argillaceous,modly to very carbonaceous, moderately calcareous to dolomitic, common carbonaceous flakes in part, rare very fine quartz grains, common disseminated to fine pyrite, calcite and dolomite inclusions and micro veins, occasional gypsum micro veins, moderately hard to very hard, trace friable and dispersive, blocky to sub-fissile, conchoidal to hackly fracture, no fluorescence, no shows.	4	8
1206.0 - 1209.0	100	SILTSTONE: as above		
1209.0 - 1212.0	100	SILTSTONE: as above	4	8
1212.0 - 1215.0	100	SILTSTONE: as above		
1215.0 - 1218.0	100	SILTSTONE: as above	5	8
1218.0 - 1221.0	100	SILTSTONE: as above		
1221.0 - 1224.0	100	SILTSTONE: dark grey to brownish black to grey black, argillaceous, moderately to very carbonaceous, moderately calcareous to dolomitic, common carbonaceous flakes in part, rare very fine quartz grains, abundant disseminated to fine pyrite, calcite and dolomite inclusions and micro veins, occasional gypsum micro veins, moderately hard to very hard, trace friable and dispersive, blocky to sub-fissile, conchoidal to hackly fracture, no fluorescence, no shows.	4	8
1224.0 - 1227.0	100	SILTSTONE: as above		
1227.0 - 1230.0	100	SILTSTONE: as above	5	8
1230.0 - 1233.0	100	SILTSTONE: as above		
1233.0 - 1236.0	100	SILTSTONE: as above	5	7
1236.0 - 1239.0	100	SILTSTONE: dark grey to brownish black to grey black, argillaceous, moderately carbonaceous in part, trace calcareous, occasional carbonaceous specks, rare very fine quartz grains, abundant disseminated to fine pyrite, calcite and dolomite inclusions and micro veins, occasional gypsum micro veins and loose grains, moderately hard to very hard, occasional friable and dispersive, blocky to sub-fissile, trace conchoidal to hackly fracture, no fluorescence, no shows.		
1239.0 - 1242.0	100	SILTSTONE: as above	5	8
1242.0 - 1245.0	100	SILTSTONE: as above		
1245.0 - 1248.0	100	SILTSTONE: as above	5	7
1248.0 - 1251.0	100	SILTSTONE: as above		
1251.0 - 1254.0	100	SILTSTONE: as above	4	7

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
1254.0 - 1257.0	100	SILTSTONE: as above		
1257.0 - 1260.0	100	SILTSTONE: dark grey to brownish black to grey black, argillaceous, moderately carbonaceous in part, trace calcareous, occasional carbonaceous specks, rare very fine quartz grains, abundant disseminated to fine pyrite, calcite and dolomite inclusions and micro veins, occasional gypsum micro veins and loose grains, moderately hard to very hard, occasional friable and dispersive, blocky to sub-fissile, trace concoidal to hackly fracture, no fluorescence, no shows.	4	8
1260.0 - 1263.0	100	SILTSTONE: as above		
1263.0 - 1266.0	100	SILTSTONE: as above	5	8
1266.0 - 1269.0	100	SILTSTONE: as above		
1269.0 - 1272.0	100	SILTSTONE: as above	6	7
1272.0 - 1275.0	100	SILTSTONE: as above		
1275.0 - 1278.0	100	SILTSTONE: dark grey to brownish black to grey black, argillaceous, moderately carbonaceous in part, occasional carbonaceous specks, rare very fine quartz grains, common to abundant disseminated to fine pyrite, calcite and dolomite inclusions and micro veins, occasional gypsum micro veins and loose grains, moderately hard to very hard, occasional friable and dispersive, blocky to sub-fissile, trace concoidal to hackly fracture, no fluorescence, no shows.	6	7
1278.0 - 1281.0	100	SILTSTONE: as above		
1281.0 - 1284.0	100	SILTSTONE: as above	6	7
1284.0 - 1287.0	100	SILTSTONE: as above		
1287.0 - 1290.0	100	SILTSTONE: as above	6	7
1290.0 - 1293.0	100	SILTSTONE: as above		
1293.0 - 1296.0	100	SILTSTONE: dark grey to brownish black to grey black, argillaceous, moderately carbonaceous in part, occasional carbonaceous specks, rare very fine quartz grains, common to abundant disseminated to fine pyrite, calcite and dolomite inclusions and micro veins, occasional gypsum micro veins and loose grains, moderately hard to very hard, occasional friable and dispersive, blocky to sub-fissile, trace concoidal to hackly fracture, no fluorescence, no shows.	6	7
1296.0 - 1299.0	100	SILTSTONE: as above		
1299.0 - 1302.0	100	SILTSTONE: as above	7	7
1302.0 - 1305.0	100	SILTSTONE: as above		
1305.0 - 1308.0	100	SILTSTONE: as above	7	7
1308.0 - 1311.0	100	SILTSTONE: dark grey to brownish black to grey black, argillaceous, moderately carbonaceous in part, occasional carbonaceous specks, rare very fine quartz grains, common to abundant disseminated to fine pyrite, calcite and dolomite inclusions and micro veins, occasional gypsum micro veins and loose grains, moderately hard to very hard, occasional friable and dispersive, blocky to sub-fissile, trace concoidal to hackly fracture, no fluorescence, no shows.		
1311.0 - 1314.0	100	SILTSTONE: as above	7	8
1314.0 - 1317.0	100	SILTSTONE: as above		
1317.0 - 1320.0	100	SILTSTONE: as above	7	8
1320.0 - 1323.0	100	SILTSTONE: as above		
1323.0 - 1326.0	100	SILTSTONE: dark grey to brownish black to grey black, argillaceous, moderately carbonaceous in part, occasional carbonaceous specks, rare very fine quartz grains, common to abundant disseminated to fine pyrite, calcite and dolomite inclusions and micro veins, occasional gypsum micro veins and loose grains, moderately hard to very hard, occasional friable and dispersive, blocky to sub-fissile, trace concoidal to hackly fracture, no fluorescence, no shows.	7	8

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
1326.0 - 1329.0	100	SILTSTONE: as above		
1329.0 - 1332.0	100	SILTSTONE: as above	6	8
1332.0 - 1335.0	100	SILTSTONE: as above		
1335.0 - 1338.0	100	SILTSTONE: dark grey to brownish black to grey black, argillaceous, moderately carbonaceous in part, occasional carbonaceous specks, rare very fine quartz grains, common to abundant disseminated to fine pyrite, calcite and dolomite inclusions and micro veins, occasional gypsum micro veins and loose grains, moderately hard to very hard, occasional friable and dispersive, blocky to sub-fissile, trace conchoidal to hackly fracture, no fluorescence, no shows.	6	8
1338.0 - 1341.0	100	SILTSTONE: as above		
1341.0 - 1344.0	100	SILTSTONE: dark grey to brownish black to grey black, argillaceous, moderately to very carbonaceous, moderately calcareous to dolomitic, common carbonaceous flakes in part, rare graphite fragments, rare very fine quartz grains, abundant disseminated to fine pyrite, calcite and dolomite inclusions and micro veins, occasional gypsum micro veins, moderately hard to very hard, trace friable and dispersive, blocky to sub-fissile, conchoidal to hackly fracture, no fluorescence, no shows.	6	7
1344.0 - 1347.0	100	SILTSTONE: as above		
1347.0 - 1350.0	100	SILTSTONE: as above	5	8
1350.0 - 1353.0	100	SILTSTONE: as above		
1353.0 - 1356.0	100	SILTSTONE: as above	6	8
1356.0 - 1359.0	100	SILTSTONE: as above		
1359.0 - 1362.0	100	SILTSTONE: as above	6	7
1362.0 - 1365.0	100	SILTSTONE: as above		
1365.0 - 1368.0	100	SILTSTONE: as above	6	8
1368.0 - 1371.0	100	SILTSTONE: as above		
1371.0 - 1374.0	100	SILTSTONE: as above	7	7
1374.0 - 1377.0	100	SILTSTONE: as above		
1377.0 - 1380.0	100	SILTSTONE: dark grey to brownish black to grey black, argillaceous, moderately to very carbonaceous, moderately calcareous to dolomitic, common carbonaceous flakes in part, rare graphite fragments, rare very fine quartz grains, abundant disseminated to fine pyrite, calcite and dolomite inclusions and micro veins, occasional gypsum micro veins, slightly to moderately micromicaceous in part, moderately hard to very hard, trace friable and dispersive, blocky to sub-fissile, conchoidal to hackly fracture, no fluorescence, no shows.	8	7
1380.0 - 1383.0	100	SILTSTONE: as above		
1383.0 - 1386.0	100	SILTSTONE: as above	7	7
1386.0 - 1389.0	100	SILTSTONE: as above		
1389.0 - 1392.0	100	SILTSTONE: as above	8	7
1392.0 - 1395.0	100	SILTSTONE: as above		
1395.0 - 1398.0	100	SILTSTONE: as above	9	5
1398.0 - 1401.0	100	SILTSTONE: as above		
1401.0 - 1404.0	100	SILTSTONE: as above	7	7

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
1404.0 - 1407.0	100	SILTSTONE: as above		
1407.0 - 1410.0	100	SILTSTONE: as above	7	9
1410.0 - 1413.0	100	SILTSTONE: as above		
1413.0 - 1416.0	100	SILTSTONE: as above	6	8
1416.0 - 1419.0	100	SILTSTONE: as above		
1419.0 - 1422.0	100	SILTSTONE: as above	7	7
1422.0 - 1425.0	100	SILTSTONE: as above		
1425.0 - 1428.0	100	SILTSTONE: as above	7	7
1428.0 - 1431.0	100	SILTSTONE: as above		
1431.0 - 1434.0	100	SILTSTONE: as above	7	7
1434.0 - 1437.0	100	SILTSTONE: as above		
1437.0 - 1440.0	100	SILTSTONE: as above	6	7
1440.0 - 1443.0	100	SILTSTONE: dark grey to brownish black to grey black, argillaceous, moderately to very carbonaceous, moderately calcareous to dolomitic, common carbonaceous flakes in part, rare graphite fragments, rare very fine quartz grains, abundant disseminated to fine pyrite, calcite and dolomite inclusions and micro veins, occasional gypsum micro veins, slightly to moderately micromicaceous in part, moderately hard to very hard, trace friable and dispersive, blocky to sub-fissile, conchoidal to hackly fracture, no fluorescence, no shows.		
1443.0 - 1446.0	100	SILTSTONE: as above	6	7
1446.0 - 1449.0	100	SILTSTONE: as above		
1449.0 - 1452.0	100	SILTSTONE: as above	6	7
1452.0 - 1455.0	100	SILTSTONE: as above		
1455.0 - 1458.0	100	SILTSTONE: dark grey to brownish black to grey black, argillaceous, moderately to very carbonaceous, moderately calcareous to dolomitic, common carbonaceous flakes in part, rare graphite fragments, rare very fine quartz grains, abundant disseminated to fine pyrite, calcite and dolomite inclusions and micro veins, occasional gypsum micro veins, slightly to moderately micromicaceous in part, moderately hard to very hard, trace friable and dispersive, blocky to sub-fissile, conchoidal to hackly fracture, no fluorescence, no shows.	5	7
1458.0 - 1461.0	100	SILTSTONE: as above		
1461.0 - 1464.0	100	SILTSTONE: as above	5	7
1464.0 - 1467.0	100	SILTSTONE: as above		
1467.0 - 1470.0	100	SILTSTONE: as above	5	7
1470.0 - 1473.0	100	SILTSTONE: dark grey to brownish black to grey black, argillaceous, moderately to very carbonaceous, moderately calcareous to dolomitic, common carbonaceous flakes in part, rare graphite fragments, rare very fine quartz grains, abundant disseminated to fine pyrite, calcite and dolomite inclusions and micro veins, occasional gypsum micro veins, slightly to moderately micromicaceous in part, moderately hard to very hard, trace friable and dispersive, blocky to sub-fissile, conchoidal to hackly fracture, no fluorescence, no shows.		
1473.0 - 1476.0	100	SILTSTONE: as above		
1476.0 - 1479.0	100	SILTSTONE: as above	5	7
1479.0 - 1482.0	100	SILTSTONE: as above		
1482.0 - 1485.0	100	SILTSTONE: as above	5	7

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
1485.0 - 1488.0	100	SILTSTONE: dark grey to brownish black to grey black, argillaceous, moderately to very carbonaceous, moderately calcareous to dolomitic, common carbonaceous flakes in part, rare graphite fragments, rare very fine quartz grains, abundant disseminated to fine pyrite, calcite and dolomite inclusions and micro veins, occasional gypsum micro veins, slightly to moderately micromicaceous in part, moderately hard to very hard, trace friable and dispersive, blocky to sub-fissile, conchoidal to hackly fracture, no fluorescence, no shows.		
1488.0 - 1491.0	100	SILTSTONE: as above	4	8
1491.0 - 1494.0	100	SILTSTONE: as above		
1494.0 - 1497.0	100	SILTSTONE: as above	6	7
1497.0 - 1500.0	100	SILTSTONE: as above		
1500.0 - 1503.0	100	SILTSTONE: as above	6	10
1503.0 - 1506.0	100	SILTSTONE: dark grey to brownish black to grey black, argillaceous, moderately to very carbonaceous, moderately calcareous to dolomitic, occasional carbonaceous flakes in part, rare graphite fragments, rare very fine quartz grains, disseminated to fine pyrite, calcite and dolomite inclusions and micro veins, occasional gypsum micro veins, slightly to moderately micromicaceous in part, moderately hard to very hard, trace friable and dispersive, blocky to sub-fissile, conchoidal to hackly fracture, no fluorescence, no shows.		
1506.0 - 1509.0	100	SILTSTONE: as above	9	13
1509.0 - 1512.0	100	SILTSTONE: as above		
1512.0 - 1515.0	100	SILTSTONE: as above	7	10
1515.0 - 1518.0	100	SILTSTONE: as above		
1518.0 - 1521.0	100	SILTSTONE: as above	8	10
1521.0 - 1524.0	100	SILTSTONE: dark grey to brownish black to grey black, argillaceous, moderately to very carbonaceous, moderately calcareous to dolomitic, occasional carbonaceous flakes in part, rare graphite fragments, rare very fine quartz grains, disseminated to fine pyrite, calcite and dolomite inclusions and micro veins, occasional gypsum micro veins, slightly to moderately micromicaceous in part, moderately hard to very hard, trace friable and dispersive, blocky to sub-fissile, conchoidal to hackly fracture, no fluorescence, no shows.		
1524.0 - 1527.0	100	SILTSTONE: as above	8	8
1527.0 - 1530.0	100	SILTSTONE: as above		
1530.0 - 1533.0	100	SILTSTONE: as above	9	6
1533.0 - 1536.0	100	SILTSTONE: as above		
1536.0 - 1539.0	100	SILTSTONE: dark grey to brownish black to grey black, argillaceous, moderately to very carbonaceous, moderately calcareous to dolomitic, occasional carbonaceous flakes in part, rare graphite fragments, rare very fine quartz grains, disseminated to fine pyrite, calcite and dolomite inclusions and micro veins, occasional gypsum micro veins, slightly to moderately micromicaceous in part, moderately hard to very hard, trace friable and dispersive, blocky to sub-fissile, conchoidal to hackly fracture, no fluorescence, no shows.	8	7
1539.0 - 1542.0	100	SILTSTONE: as above		
1542.0 - 1545.0	100	SILTSTONE: as above	8	5
1545.0 - 1548.0	100	SILTSTONE: as above		
1548.0 - 1551.0	100	SILTSTONE: as above	9	5
1551.0 - 1554.0	100	SILTSTONE: as above		
1554.0 - 1557.0	100	SILTSTONE: dark grey to brownish black to grey black, argillaceous, moderately to very carbonaceous, moderately calcareous to dolomitic, occasional carbonaceous flakes in part, rare graphite fragments, rare very fine quartz grains, disseminated to	9	6

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
		fine pyrite, calcite and dolomite inclusions and micro veins, occasional gypsum micro veins, slightly to moderately micromicaceous in part, moderately hard to very hard, trace friable and dispersive, blocky to sub-fissile, conchoidal to hackly fracture, no fluorescence, no shows.		
1557.0 - 1560.0	100	SILTSTONE: as above		
1560.0 - 1563.0	100	SILTSTONE: as above	11	7
1563.0 - 1566.0	100	SILTSTONE: as above		
1566.0 - 1569.0	100	SILTSTONE: as above	13	5
1569.0 - 1572.0	100	SILTSTONE: dark grey to brownish black to grey black, argillaceous, moderately to very carbonaceous, moderately calcareous to dolomitic, occasional carbonaceous flakes in part, rare graphite fragments, rare very fine quartz grains, disseminated to fine pyrite, calcite and dolomite inclusions and micro veins, occasional gypsum micro veins, slightly to moderately micromicaceous in part, moderately hard to very hard, trace friable and dispersive, blocky to sub-fissile, conchoidal to hackly fracture, no fluorescence, no shows.		
1572.0 - 1575.0	100	SILTSTONE: as above	15	6
1575.0 - 1578.0	100	SILTSTONE: as above		
1578.0 - 1581.0	100	SILTSTONE: as above	14	7
1581.0 - 1584.0	100	SILTSTONE: as above		
1584.0 - 1587.0	100	SILTSTONE: as above	16	9
1587.0 - 1590.0	100	SILTSTONE: dark grey to brownish black to grey black, argillaceous, moderately to very carbonaceous, moderately calcareous to dolomitic, occasional carbonaceous flakes in part, rare graphite fragments, rare very fine quartz grains, disseminated to fine pyrite, calcite and dolomite inclusions and micro veins, occasional gypsum micro veins, slightly to moderately micromicaceous in part, moderately hard to very hard, trace friable and dispersive, blocky to sub-fissile, conchoidal to hackly fracture, no fluorescence, no shows.		
1590.0 - 1593.0	100	SILTSTONE: as above	19	9
1593.0 - 1596.0	100	SILTSTONE: as above		
1596.0 - 1599.0	100	SILTSTONE: as above	21	10
1599.0 - 1602.0	100	SILTSTONE: as above		
1602.0 - 1605.0	100	SILTSTONE: as above	30	11
1605.0 - 1608.0	100	SILTSTONE: dark grey to brownish black to grey black, argillaceous, moderately to very carbonaceous, moderately calcareous to dolomitic, occasional carbonaceous flakes in part, rare graphite fragments, rare very fine quartz grains, disseminated to fine pyrite, calcite and dolomite inclusions and micro veins, occasional gypsum micro veins, slightly to moderately micromicaceous in part, moderately hard to very hard, trace friable and dispersive, blocky to sub-fissile, conchoidal to hackly fracture, no fluorescence, no shows.		
1608.0 - 1611.0	100	SILTSTONE: dark grey to brownish black to grey black, argillaceous, moderately to very carbonaceous, moderately calcareous to dolomitic, occasional carbonaceous flakes in part, rare graphite fragments, rare very fine quartz grains, disseminated to fine pyrite, calcite and dolomite inclusions and micro veins, occasional gypsum micro veins, slightly to moderately micromicaceous in part, moderately hard to very hard, trace friable and dispersive, blocky to sub-fissile, conchoidal to hackly fracture, no fluorescence, no shows.	30	10
1611.0 - 1614.0	100	SILTSTONE: as above		
1614.0 - 1617.0	100	SILTSTONE: as above	29	11
1617.0 - 1620.0	100	SILTSTONE: as above		
1620.0 - 1623.0	100	SILTSTONE: as above	27	11

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
1623.0 - 1626.0	100	SILTSTONE: as above		
1626.0 - 1629.0	100	SILTSTONE: as above	28	9
1629.0 - 1632.0	100	SILTSTONE: as above		
1632.0 - 1635.0	100	SILTSTONE: dark grey to brownish black to grey black, argillaceous, moderately to very carbonaceous, moderately calcareous to dolomitic, occasional carbonaceous flakes in part, rare graphite fragments, rare very fine quartz grains, disseminated to fine pyrite nodules, micro veins of calcite and dolomite, occasional gypsum micro veins, slightly to moderately micromicaceous in part, moderately hard to very hard, trace friable and dispersive, blocky to sub-fissile, conchoidal to hackly fracture, no fluorescence, no shows.	27	8
1635.0 - 1638.0	100	SILTSTONE: as above		
1638.0 - 1641.0	100	SILTSTONE: as above	21	8
1641.0 - 1644.0	100	SILTSTONE: as above		
1644.0 - 1647.0	100	SILTSTONE: as above	20	7
1647.0 - 1650.0	100	SILTSTONE: as above		
1650.0 - 1653.0	100	SILTSTONE: as above	20	7
1653.0 - 1656.0	100	SILTSTONE: as above		
1656.0 - 1659.0	100	SILTSTONE: as above	14	3
1659.0 - 1662.0	100	SILTSTONE: as above		
1662.0 - 1665.0	100	SILTSTONE: as above	13	5
1665.0 - 1668.0	100	SILTSTONE: dark grey to brownish black to grey black, argillaceous, moderately to very carbonaceous, moderately calcareous to dolomitic, occasional carbonaceous flakes in part, rare graphite fragments, rare very fine quartz grains, disseminated to fine pyrite nodules, micro veins of calcite and dolomite, occasional gypsum micro veins, slightly to moderately micromicaceous in part, moderately hard to very hard, trace friable and dispersive, blocky to sub-fissile, conchoidal to hackly fracture, no fluorescence, no shows.		
1668.0 - 1671.0	100 0	SILTSTONE: dark grey to brownish black to grey black, argillaceous, moderately to very carbonaceous, moderately calcareous to dolomitic, occasional carbonaceous flakes in part, rare graphite fragments, rare very fine quartz grains, disseminated to fine pyrite nodules, micro veins of calcite and dolomite, occasional gypsum micro veins, slightly to moderately micromicaceous in part, moderately hard to very hard, trace friable and dispersive, blocky to sub-fissile, conchoidal to hackly fracture, no fluorescence, no shows. LIMESTONE: white and black, oolitic, very fine to fine, fine to medium black oolites, slightly sparitic, moderately hard, very poor visible porosity, no shows, no fluorescence.	15	4
1671.0 - 1674.0	100 0	SILTSTONE: as above LIMESTONE: as above		
1674.0 - 1677.0	98 2	SILTSTONE: as above LIMESTONE: as above	14	6
1677.0 - 1680.0	98 2	SILTSTONE: as above LIMESTONE: as above		
1680.0 - 1683.0	98 2	SILTSTONE: as above LIMESTONE: as above	13	5
1683.0 - 1686.0	98 2	SILTSTONE: as above LIMESTONE: as above		

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
1686.0 - 1689.0	98 2	SILTSTONE: as above LIMESTONE: as above	13	5
1689.0 - 1692.0	95 5	SILTSTONE: as above LIMESTONE: as above		
1692.0 - 1695.0	95 5	SILTSTONE: as above LIMESTONE: as above	14	6
1695.0 - 1698.0	97 3	SILTSTONE: dark grey to brownish black to grey black, argillaceous, moderately carbonaceous, moderately calcareous to dolomitic, occasional carbonaceous flakes in part, rare graphite fragments, very rare very fine quartz grains, common disseminated to rare fine pyrite nodules, micro veins of calcite and dolomite, occasional gypsum micro veins, slightly to moderately micromicaceous in part, moderately hard to very hard, trace friable and dispersive, blocky to sub-fissile, conchoidal to hackly fracture, no fluorescence, no shows. LIMESTONE: white and black, oolitic, very fine to fine, fine to medium black oolites, slightly sparitic, firm to moderately hard, occasional black orange specks, trace finely interlaminated with SILTSTONE, very poor visible porosity, no shows, no fluorescence.		
1698.0 - 1701.0	97 5	SILTSTONE: as above LIMESTONE: as above	14	6
1701.0 - 1704.0	98 2	SILTSTONE: as above LIMESTONE: as above		
1704.0 - 1707.0	99 1	SILTSTONE: as above LIMESTONE: as above	15	9
1707.0 - 1710.0	99 1	SILTSTONE: as above LIMESTONE: as above		
1710.0 - 1713.0	95 5	SILTSTONE: dark grey to brownish black to grey black, argillaceous, moderately carbonaceous, moderately calcareous to dolomitic, occasional carbonaceous flakes in part, rare graphite fragments, very rare very fine quartz grains, common disseminated to rare fine pyrite nodules, micro veins of calcite and dolomite, occasional gypsum micro veins, slightly to moderately micromicaceous in part, moderately hard to very hard, trace friable and dispersive, blocky to sub-fissile, conchoidal to hackly fracture, no fluorescence, no shows. LIMESTONE: white and black, oolitic, very fine to fine, fine to medium black oolites, slightly sparitic, firm to moderately hard, occasional black orange specks, trace finely interlaminated with SILTSTONE, very poor visible porosity, no shows, no fluorescence.	16	8
1713.0 - 1716.0	93 7	SILTSTONE: as above LIMESTONE: as above		
1716.0 - 1719.0	93 7	SILTSTONE: as above LIMESTONE: as above	17	8
1719.0 - 1722.0	93 7	SILTSTONE: as above LIMESTONE: as above		
1722.0 - 1725.0	90 10	SILTSTONE: dark grey to brownish black to grey black, argillaceous, moderately carbonaceous, moderately calcareous to dolomitic, occasional carbonaceous flakes in part, rare graphite fragments, very rare very fine quartz grains, common disseminated to rare fine pyrite nodules, micro veins of calcite and dolomite, occasional gypsum micro veins, slightly to moderately micromicaceous in part, moderately hard to very hard, trace friable and dispersive, blocky to sub-fissile, conchoidal to hackly fracture, no fluorescence, no shows. LIMESTONE: mottled pale yellowish brown to medium light grey with medium grey to black, occasional oolitic, very fine to fine, fine to medium black oolites, slightly sparitic, firm, disseminated pyrite with trace very fine nodular pyrite, common fossil fragments, occasional carbonaceous specks, finely interlaminated with SILTSTONE in part, very poor visible porosity, no shows, no fluorescence.	19	7

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
1725.0 - 1728.0	90 10	SILTSTONE: as above LIMESTONE: as above		
1728.0 - 1731.0	95 5	SILTSTONE: as above LIMESTONE: as above	22	5
1731.0 - 1734.0	95 5	SILTSTONE: as above LIMESTONE: as above		
1734.0 - 1737.0	99 1	SILTSTONE: as above LIMESTONE: as above	24	5
1737.0 - 1740.0	97 3	SILTSTONE: dark grey to brownish black to grey black, argillaceous, moderately carbonaceous, moderately calcareous to dolomitic, occasional carbonaceous flakes in part, rare graphite fragments, very rare very fine quartz grains, common disseminated to rare fine pyrite nodules, micro veins of calcite and dolomite, occasional gypsum micro veins, slightly to moderately micromicaceous in part, moderately hard to very hard, trace friable and dispersive, blocky to sub-fissile, conchoidal to hackly fracture, no fluorescence, no shows. LIMESTONE: mottled pale yellowish brown to medium light grey with medium grey to black, occasional oolitic, very fine to fine, fine to medium black oolites, slightly sparitic, firm, disseminated pyrite with trace very fine nodular pyrite, common fossil fragments, occasional carbonaceous specks, finely interlaminated with SILTSTONE in part, very poor visible porosity, no shows, no fluorescence.		
1740.0 - 1743.0	100 0	SILTSTONE: as above LIMESTONE: as above	27	6
1743.0 - 1746.0	100 0	SILTSTONE: as above LIMESTONE: as above		
1746.0 - 1749.0	100	SILTSTONE: dark grey to brownish black to grey black, argillaceous, moderately to common carbonaceous in part, moderately calcareous to dolomitic, occasional carbonaceous flakes, rare graphite fragments, occasional very fine quartz grains, common disseminated pyrite, occasional micro veins of calcite and dolomite, occasional gypsum micro veins, slightly to moderately micromicaceous in part, moderately hard to very hard, trace friable and dispersive, blocky to sub-fissile, occasional conchoidal to hackly fracture, no fluorescence, no shows.	24	5
1749.0 - 1752.0	100	SILTSTONE: as above		
1752.0 - 1755.0	100	SILTSTONE: as above	19	5
1755.0 - 1758.0	100	SILTSTONE: as above		
1758.0 - 1761.0	100	SILTSTONE: as above	16	5
1761.0 - 1764.0	100	SILTSTONE: dark grey to brownish black to grey black, argillaceous, moderately to common carbonaceous in part, moderately calcareous to dolomitic, occasional carbonaceous flakes, rare graphite fragments, occasional very fine quartz grains, common disseminated pyrite, occasional micro veins of calcite and dolomite, occasional gypsum micro veins, slightly to moderately micromicaceous in part, moderately hard to very hard, trace friable and dispersive, blocky to sub-fissile, occasional conchoidal to hackly fracture, no fluorescence, no shows.		
1764.0 - 1767.0	100	SILTSTONE: as above	8	6
1767.0 - 1770.0	100	SILTSTONE: as above		
1770.0 - 1773.0	100	SILTSTONE: as above	7	7
1773.0 - 1776.0	100	SILTSTONE: as above		
1776.0 - 1779.0	100	SILTSTONE: dark grey to brownish black to grey black, argillaceous, moderately to common carbonaceous in part, moderately calcareous to dolomitic, occasional carbonaceous flakes, rare graphite fragments, occasional very fine quartz grains, common disseminated pyrite, occasional micro veins of calcite and dolomite, occasional gypsum micro veins, slightly to moderately micromicaceous in part, moderately hard to very hard, trace friable and dispersive, blocky to sub-fissile,	7	8

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
		occasional concoidal to hackly fracture, no fluorescence, no shows.		
1779.0 - 1782.0	100	SILTSTONE: as above		
1782.0 - 1785.0	100	SILTSTONE: as above	7	7
1785.0 - 1788.0	100	SILTSTONE: as above		
1788.0 - 1791.0	100	SILTSTONE: as above	8	7
1791.0 - 1794.0	100	SILTSTONE: as above		
1794.0 - 1797.0	100	SILTSTONE: as above	8	7
1797.0 - 1800.0	100	SILTSTONE: as above		
1800.0 - 1803.0	100	SILTSTONE: as above	9	6
1803.0 - 1806.0	100	SILTSTONE: as above		
1806.0 - 1809.0	100	SILTSTONE: as above	9	6
1809.0 - 1812.0	100	SILTSTONE: as above		
1812.0 - 1815.0	100	SILTSTONE: as above	10	5
1815.0 - 1818.0	100	SILTSTONE: as above		
1818.0 - 1821.0	100	SILTSTONE: as above	10	8
1821.0 - 1824.0	100	SILTSTONE: as above		
1824.0 - 1827.0	100	SILTSTONE: as above	10	11
1827.0 - 1830.0	100	SILTSTONE: as above		
1830.0 - 1833.0	100	SILTSTONE: as above	10	10
1833.0 - 1836.0	100	SILTSTONE: dark brownish grey to brownish black, argillaceous, moderately to abundantly carbonaceous in part, slightly moderately calcareous to dolomitic, occasional very fine quartz grains, common disseminated pyrite, occasional micro veins of calcite and dolomite, occasional gypsum micro veins, slightly to moderately micromicaceous in part, moderately hard to very hard, trace friable and dispersive, blocky to sub-fissile, occasional concoidal to hackly fracture, no fluorescence, no shows.		
1836.0 - 1839.0	100	SILTSTONE: as above	10	9
1839.0 - 1842.0	100	SILTSTONE: as above		
1842.0 - 1845.0	100	SILTSTONE: as above	10	8
1845.0 - 1848.0	100	SILTSTONE: dark brownish grey to brownish black, argillaceous, moderately to abundantly carbonaceous in part, slightly moderately calcareous to dolomitic, occasional very fine quartz grains, common disseminated pyrite, rare micro veins of calcite and dolomite, rare gypsum micro veins, slightly to moderately micromicaceous in part, moderately hard to very hard, trace friable and dispersive, blocky to sub-fissile, occasional sub-concoidal to hackly fracture, no fluorescence, no shows.		
1848.0 - 1851.0	100	SILTSTONE: as above	9	7
1851.0 - 1854.0	100	SILTSTONE: as above		
1854.0 - 1857.0	100	SILTSTONE: as above	9	7
1857.0 - 1860.0	100	SILTSTONE: as above		
1860.0 - 1863.0	100	SILTSTONE: as above	8	8
1863.0 - 1866.0	100	SILTSTONE: as above		
1866.0 - 1869.0	100	SILTSTONE: as above	7	8

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
1869.0 - 1872.0	100	SILTSTONE: as above		
1872.0 - 1875.0	100	SILTSTONE: as above	7	7
1875.0 - 1878.0	100	SILTSTONE: as above		
1878.0 - 1881.0	100	SILTSTONE: as above	6	8
1881.0 - 1884.0	100	SILTSTONE: as above		
1884.0 - 1887.0	100	SILTSTONE: as above	6	7
1887.0 - 1890.0	100	SILTSTONE: as above		
1890.0 - 1893.0	100	SILTSTONE: as above	6	8
1893.0 - 1896.0	100	SILTSTONE: as above		
1896.0 - 1899.0	100	SILTSTONE: dark brownish grey to brownish black, argillaceous, moderately to abundantly carbonaceous in part, slightly to moderately calcareous to dolomitic, occasional very fine quartz grains, common disseminated pyrite, rare micro veins of calcite and dolomite, rare gypsum micro veins, slightly to moderately micromicaceous in part, moderately hard to very hard, trace friable and dispersive, blocky to sub-fissile, occasional sub-concoidal to hackly fracture, no fluorescence, no shows.	6	8
1899.0 - 1902.0	100	SILTSTONE: as above		
1902.0 - 1905.0	100	SILTSTONE: as above	6	7
1905.0 - 1908.0	100	SILTSTONE: as above		
1908.0 - 1911.0	100 0	SILTSTONE: dark brownish grey to brownish black, argillaceous, moderately to abundantly carbonaceous in part, common calcareous to dolomitic, occasional very fine quartz grains, common disseminated pyrite, rare micro veins of calcite and dolomite, rare gypsum micro veins, slightly to moderately micromicaceous in part, moderately hard to very hard, trace friable and dispersive, blocky to sub-fissile, occasional sub-concoidal to hackly fracture, no fluorescence, no shows. CAVINGS: bright orange to pale brown, heavily oxidised calcarenite, soft to firm, amorphous to crumbly, bright yellow mineral fluorescence, no cut, most likely from washing shakers down with Guernsey Gun	8	6
1911.0 - 1914.0	100 0	SILTSTONE: as above CAVINGS: bright orange to pale brown, heavily oxidised calcarenite, soft to firm, amorphous to crumbly, bright yellow mineral fluorescence, no cut, most likely from washing shakers down with Guernsey Gun		
1914.0 - 1917.0	100 0	SILTSTONE: as above CAVINGS: bright orange to pale brown, heavily oxidised calcarenite, soft to firm, amorphous to crumbly, bright yellow mineral fluorescence, no cut, most likely from washing shakers down with Guernsey Gun Contamination with cuttings from possumbelly.	24	9
1917.0 - 1920.0	100	SILTSTONE: as above		
1920.0 - 1923.0	98 2	SILTSTONE: dark brownish grey to brownish black, argillaceous, moderately to abundantly carbonaceous in part, strongly calcareous to dolomitic, common grading to and finely inter laminated with Limestone, occasional very fine quartz grains, common disseminated pyrite, rare micro veins of calcite and dolomite, rare gypsum micro veins, slightly to moderately micromicaceous in part, moderately hard to very hard, occasional friable and dispersive, blocky to sub-fissile, occasional sub-concoidal to hackly fracture, no fluorescence, no shows. LIMESTONE: medium brownish grey to mottled medium light grey with medium grey to black, very fine to fine, trace fine black oolites, slightly sparitic, firm to soft, disseminated pyrite, occasional carbonaceous specks, common finely interlaminated with SILTSTONE, very poor visible porosity, no shows, no fluorescence.	34	9
1923.0 - 1926.0	95 5	SILTSTONE: as above LIMESTONE: as above		

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
1926.0 - 1929.0	100 0	SILTSTONE: as above LIMESTONE: As Above	26	6
1929.0 - 1932.0	100	SILTSTONE: as above		
1932.0 - 1935.0	100 0	SILTSTONE: dark brownish grey to brownish black, argillaceous, moderately to abundantly carbonaceous in part, moderately calcareous to dolomitic, occasional very fine quartz grains, common disseminated pyrite, rare micro veins of calcite and dolomite, rare gypsum micro veins, slightly to moderately micromicaceous in part, moderately hard to very hard, occasional friable and dispersive, blocky to sub-fissile, occasional sub-concoidal to hackly fracture, no fluorescence, no shows. NO LITHOLOGY: Sample contaminated with cuttings from the Possum Belly.	32	9
1935.0 - 1938.0	100	SILTSTONE: as above		
1938.0 - 1941.0	97 3	SILTSTONE: as above LIMESTONE: medium brownish grey to mottled medium light grey with medium grey to black, very fine to fine, trace fine black oolites, slightly sparitic, firm to soft, disseminated pyrite, occasional carbonaceous specks, common finely interlaminated with SILTSTONE, very poor visible porosity, no shows, no fluorescence.	38	6
1941.0 - 1944.0	95 5	SILTSTONE: as above LIMESTONE: as above		
1944.0 - 1947.0	98 2	SILTSTONE: as above LIMESTONE: as above	35	5
1947.0 - 1950.0	98 2	SILTSTONE: as above LIMESTONE: as above		