

Apache Cuttings Descriptions Report

Well Name :	Dory-1	Print Date 15/11/2008		
Wellsite Geolog	jist(s) :	A Cruickshank G Fawns		
Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
Main 2800.0 - 2805.0	75 25	 CALCAREOUS CLAYSTONE: Olive grey, common medium grey, trace to minor micromicaceous, common silt, trace very fine to fine floating quartz grains, rare carbonaceous material, trace nodular and disseminated pyrite, trace glauconite, firm to brittle, sub-blocky to sub-fissile, dominantly sub-blocky, minor sub-fissile. SILTSTONE: Dusky yellowish brown to brownish black, olive black in part, arenaceous, abundant glauconite, minor micromicaceous, trace very fine floating quartz grains, trace mica flakes, trace pyrite, soft to firm, sub-blocky. 		
2805.0 - 2810.0	50 35	SILTSTONE: Dominantly olive black, common dusky yellowish brown to brownish black, arenaceous grading to argillaceous in part, abundant very fine to coarse glauconite, grades to GLAUCONITIC SILTSTONE, minor micromicaceous, trace very fine floating quartz grains, rare mica flakes, trace pyrite, trace ammonites, trace ooids, soft to firm, sub-blocky. CALCAREOUS CLAYSTONE: Medium light grey to medium dark grey, dominantly medium area area and the grey.		
	15	 medium grey, common olive grey, trace micromicaceous, minor very fine to fine floating quartz grains, trace nodular and disseminated pyrite, trace glauconite, soft to moderately hard, dominantly firm to brittle, common soft, minor moderately hard, sub-blocky to sub-fissile, dominantly sub-blocky, minor sub-fissile. SANDSTONE: Clear to translucent, very fine to very coarse, dominantly very fine to fine, trace medium to very coarse, moderately sorted, angular to rounded, dominantly sub-angular to sub-rounded, minor angular and rounded, trace strong pyrite cement/matrix, trace argillaceous cement/matrix in part and grading to ARGILLACEOUS SANDSTONE, abundant glauconite, very hard aggregates where pyrite cement, soft aggregates where argillaceous cement, dominantly disaggregated, nil visible porosity, poor inferred porosity, no hydrocarbon fluorescence. 		
2810.0 - 2815.0	40 40 20	SILTSTONE: as above CALCAREOUS CLAYSTONE: as above SANDSTONE: as above		
2815.0 - 2820.0	35 35 30	SILTSTONE: as above CALCAREOUS CLAYSTONE: as above SANDSTONE: Clear to translucent, very fine to medium, dominantly very fine to fine, trace medium, well sorted, sub-angular to rounded, dominantly sub-rounded, common sub-angular, abundant rounded, trace strong pyrite cement/matrix, abundant glauconite, very hard aggregates where pyrite cement, dominantly disaggregated, nil visible porosity, poor inferred porosity, no hydrocarbon fluorescence.	18	1
2820.0 - 2825.0	40	SANDSTONE: Clear to translucent, very fine to coarse, dominantly very fine to fine, common medium, trace coarse, well sorted, sub-angular to rounded, dominantly sub-rounded, common sub-angular, abundant rounded, trace strong pyrite cement/matrix, trace moderate siliceous cement, abundant glauconite, trace pyrite and glauconite inclusions, trace brittle to very hard aggregates, dominantly disaggregated, nil visible porosity, poor inferred porosity, no hydrocarbon fluorescence.		
	25	CALCAREOUS CLAYSTONE: as above		
2825.0 - 2830.0	50	SANDSTONE: Clear to translucent, very fine to very coarse, dominantly very fine to fine, common medium, trace coarse and very coarse, moderately sorted, sub-angular to rounded, dominantly sub-rounded, common sub-angular, abundant rounded, trace strong pyrite cement/matrix, common glauconite, trace pyrite and glauconite inclusions, trace brittle to very hard aggregates, dominantly disaggregated, nil visible porosity, poor inferred porosity, no hydrocarbon fluorescence.		
	35	SILTSTONE: Dominantly olive black, common dusky yellowish brown to brownish black, arenaceous grading to argillaceous in part, dominantly minor to abundant in part very fine to coarse glauconite, minor micromicaceous, trace very fine floating quartz grains, rare mica flakes, trace pyrite, trace ammonites and ooids, soft to firm, sub-blocky.		
	15	CALCAREOUS CLAYSTONE: Medium light grey to medium dark grey, dominantly		1 of 10

2830.0 2 2840.0 100 SANDSTONE: Clear to translucent, very fine to very coarse, dominanty the to fine, individually control, indinindividualecontrol, individually control, individualecontrol, in	Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
283.0 SILTSTONE: is above CALCARECUS CLAYSTONE: as above 283.0 2.83.0 2.83.0 2.83.0 283.0 2.84.00 Som Statistic Clear to translocent, twoy fine to very coarse, dominantly fine to manual to use appliant or used common well counded well well counded well well counded well well counded well counded well counded well well counded well counded well counded well counded well counded well well well well well well well w			floating quartz grains, trace nodular and disseminated pyrite, trace glauconite, soft to moderately hard, dominantly firm to brittle, common soft, minor moderately hard,		
15 CALCAREOUS CLAYSTONE: as above Image: content of the content o	2830.0 - 2835.0	50	SANDSTONE: as above, minor coarse to very coarse.		
2835.0 2840.0 50 SANDSTONE: Clear to translucent, way fine to very coarse, dominantly fine to madum, abundant voury fine, minor coarse to very coarse, dominantly fine to madum, abundant voury fine, minor coarse to very coarse, dominantly disquered in the very hard aggregates, dominantly disquered in the very fine to very coarse, dominantly disquered in the very fine to very coarse aggregates, dominantly disquered in the very fine to very coarse, dominantly disquered in the very fine to the very hard aggregates, dominantly disquered in the very fine to term disclet to the very hard aggregates, dominantly disquered in the very fine to term disclet to term disclet and disclet to term disclet and disclet to term disclet and disclet and disclet and disclet and disclet and disclet term disclet and dis		35	SILTSTONE: as above		
medium, abundant vay fine, mior coaries to very coarse, moderately oxined, solutional sub-angular, abundant rounded, common yel unuded (coarse to very coarse grains), rare strong process. Image: strong		15	CALCAREOUS CLAYSTONE: as above		
2840.0 - 2845.0 60 SANDSTONE: Clear to translucent, very fine to very coarse, well sorted, sub-angular to well rounded, minor coarse to very coarse, well sorted, sub-angular, but well rounded, minor well rounded, commany there well fine to interned porosity, nor there y fine to interned porosity, more than the softwale to well rounded (commany sub-field). 2845.0 - 2850.0 70 SANDSTONE: Clear to translucent, common poque, fine to very coarse, moderately and placeone, normed, dominanty sub-fold, commany sub-fold, well and the softwale porosity, more sub-field, commany sub-fold,	2835.0 - 2840.0		medium, abundant very fine, minor coarse to very coarse, moderately sorted, sub-angular to well rounded, dominantly sub-rounded, abundant sub-angular, abundant rounded, common well rounded (coarse to very coarse grains), rare strong pyrite cement/matrix, common glauconite, trace pyrite and glauconite inclusions, trace brittle to very hard aggregates, dominantly disaggregated, nil visible porosity, fair inferred porosity, no hydrocarbon fluorescence.		
2840.0 • 2845.0 60 SANDSTONE: Clear to translucent, very fine to very coarse, well sorted, sub-angular to well rounded, minor coarse to very coarse, well sorted, sub-angular to well rounded, minor well rounded,		15	CALCAREOUS CLAYSTONE: as above, grading to CALCILUTITE in part.		
arglilaceous, common arénaceous, dominanty minor to abundant in parture yrine to coarse glauconite, minor mica flakes, trace pyrife, trace aromenting soluting quartz grains, minor mica flakes, trace pyrife, trace aromenticaecous, minor very fine to fine floating quartz grains, trace nodular and disseminated pyrife, trace glauconite, grades to CALCAREOUS CLAYSTONE: Medium light grey to medium data (gray, dominantly medium grey, trace micromicaecous, minor very fine to fine floating quartz grains, trace nodular and disseminated pyrife, trace glauconite, grades to CALCILITTE in part, soft to moderately hard, dominantly firm to britle, common soft, minor moderately hard, sub-blocky to sub-fissile, dominantly time to third, common soft, minor moderately hard, sub-blocky to sub-fissile, dominantly trace strong calcareous cement, trace strong pyrife cameun/matix, abundant glaucolie, trace stored, sub-angular to well rounded, dominantly duarts bhard, sub-angular, abundant rounded, minor well rounded, dominantly and unto the cores, common fine, common very ccarse, grains), trace strong calcareous cement, trace strong pyrife cameun/matix, abundant glaucolie, trace stored, sub-angular, abundant rounded, minor well rounded, dominantly usible porosity, good inferred porosity, no hydrocarbon fluorescence.62850.0- 2850.075SANDSTONE: Clear to translucent, common opaque, fine to very ccarse, grading to calcareous cement, trace strong pyrife end quarts shards, trace bittle to very hard aggregates, dominantly usible porosity, good inferred porosity, no hydrocarbon fluorescence.62850.0- 2850.075SANDSTONE: Clear to translucent, common opaque, fine to very ccarse, grading to 	2840.0 - 2845.0	60	SANDSTONE: Clear to translucent, very fine to very coarse, dominantly very fine to fine, common medium, minor coarse to very coarse, well sorted, sub-angular to well rounded, dominantly sub-rounded, abundant sub-angular, abundant rounded, minor well rounded (coarse to very coarse grains), rare strong pyrite cement/matrix, common glauconite, trace pyrite and glauconite inclusions, trace brittle to very hard aggregates, dominantly disaggregated, nil visible porosity, poor inferred porosity, no		
Image: Section of the sectin of the section of the section of the		30	argillaceous, common arenaceous, dominantly minor to abundant in part very fine to coarse glauconite, minor micromicaceous, trace very fine floating quartz grains, minor		
dominantly medium to coarse, common fine, common very coarse, moderately sorted, sub-angular to well rounded (dominantly sub-rounded, abundant sub-angular, abundant rounded, ininor well rounded (coarse to very coarse grains), trace strong calcareous cement, trace strong pyrite cement/matrix, abundant glauconite, trace pyrite and glauconite inclusions, rare fissile quartz shards, trace brittle to very hard aggregates, dominantly disaggregated, nil visible porosity, good inferred porosity, no hydrocarbon fluorescence.62850.0 - 2860.075SANDSTONE: Clear to translucent, common opaque, fine to very coarse, moderately sorted, sub-angular, dominantly medium to coarse, common fine, common very coarse, moderately sorted, sub-angular, sub-angular, abundant rounded, dominanty wab-rounded, abundant sub-angular, abundant rounded, minor well rounded (coarse to very coarse, moderately sorted, sub-angular, trace strong pyrite cament/matrix, abundant glauconite inclusions, trace mica flakes, trace fossile, rare fissile quartz shards, trace brittle to very hard aggregates, dominantly disaggregated, nil visible porosity, good inferred porosity, no hydrocarbon fluorescence. SILTSTONE: as above62860.0 - 2870.02870.0SANDSTONE: Clear to translucent, abundant opaque, fine to very coarse, dominantly disaggregated, nil visible porosity, good inferred porosity, no hydrocarbon fluorescence. SILTSTONE: as above62860.0 - 2870.0SSANDSTONE: Clear to translucent, abundant opaque, fine to very coarse, dominantly disaggregated, nil visible porosity, good inferred porosity, no hydrocarbon fluorescence. SILTSTONE: as above82860.0 - 2870.0SSANDSTONE: Clear to translucent, abundant opaque, fine to very coarse, dominantly coarse to very coarse, minor fine, abundant medium, wel		10	medium grey, minor olive grey, trace micromicaceous, minor very fine to fine floating quartz grains, trace nodular and disseminated pyrite, trace glauconite, grades to CALCILUTITE in part, soft to moderately hard, dominantly firm to brittle, common soft, minor moderately hard, sub-blocky to sub-fissile, dominantly sub-blocky, minor		
5CALCAREOUS CLAYSTONE: as above62850.02860.075SANDSTONE: Clear to translucent, common opaque, fine to very coarse, moderately sorted, sub-angular to well rounded (coarse to very coarse grains), trace strong calcareous cement, trace strong pyrite cement/matrix, abundant glauconite grading to GLAUCONITIC SANDSTONE: n part, trace pyrite and glauconite inclusions, trace site strong calcareous cement, trace strong pyrite cement/matrix, abundant glauconite inclusions, trace site strong calcareous cement, trace strong pyrite cement/matrix, abundant glauconite inclusions, trace site strong calcareous cement, trace strong pyrite cement/matrix, abundant glauconite inclusions, trace supressite quartz shards, trace brittle to very hard aggregates, dominantly disaggregated, nil visible porosity, good inferred porosity, no hydrocarbon fluorescence. 	2845.0 - 2850.0	70	dominantly medium to coarse, common fine, common very coarse, moderately sorted, sub-angular to well rounded, dominantly sub-rounded, abundant sub-angular, abundant rounded, minor well rounded (coarse to very coarse grains), trace strong calcareous cement, trace strong pyrite cement/matrix, abundant glauconite, trace pyrite and glauconite inclusions, rare fissile quartz shards, trace brittle to very hard aggregates, dominantly disaggregated, nil visible porosity, good inferred porosity, no		
2850.0-2860.075SANDSTONE: Clear to translucent, common opaque, fine to very coarse, moderately sorted, sub-angular to well rounded, dominantly sub-rounded, abundant sub-angular, abundant rounded, minor well rounded (coarse to very coarse grains), trace strong calcareous cement, trace strong pyrite cement/matrix, abundant glauconite grading to GLAUCONITIC SANDSTONE: in part, trace pyrite and glauconite inclusions, trace sils, rare fissile quartz shards, trace brittle to very hard aggregates, dominantly disaggregated, nil visible porosity, good inferred porosity, no hydrocarbon fluorescence.620SILTSTONE: as above 5CALCAREOUS CLAYSTONE: as aboveSANDSTONE: Clear to translucent, abundant opaque, fine to very coarse, dominantly coarse to very coarse, minor fine, abundant medium, well sorted, sub-angular to well rounded, dominantly sub-rounded to rounded, abundant sub-angular to well rounded, dominantly sub-rounded to rounded, abundant sub-angular, common well rounded, dominantly sub-rounded to rounded, abundant sub-angular to well rounded, dominantly sub-rounded to rounded, abundant sub-angular to well rounded, dominantly sub-rounded to rounded, abundant sub-angular, common well rounded, trace strong 		25	SILTSTONE: as above		
dominantly medium to coarse, common fine, common very coarse, moderately sorted, sub-angular to well rounded, dominantly sub-rounded, abundant sub-angular, abundant rounded, minor well rounded (coarse to very coarse grains), trace strong calcareous cement, trace strong pyrite cement/matrix, abundant glauconite grading to GLAUCONITIC SANDSTONE in part, trace pyrite and glauconite inclusions, trace mica flakes, trace fossils, rare fissile quartz shards, trace brittle to very hard aggregates, dominantly disaggregated, nil visible porosity, good inferred porosity, no hydrocarbon fluorescence.SILTSTONE: as above20SILTSTONE: as above5CALCAREOUS CLAYSTONE: as above2860.0 - 2870.08585SANDSTONE: Clear to translucent, abundant opaque, fine to very coarse, dominantly sub-rounded, dominantly sub-rounded to rounded, abundant sub-angular to well rounded, dominantly sub-rounded to rounded, abundant sub-angular to well rounded, not fine, abundant medium, well sorted, sub-angular to well rounded, trace strong calcareous cement, trace strong siliceous cement with fused grain boundaries, abundant glauconite, trace strong siliceous cement with fused grain boundaries, abundant glauconite, trace strong siliceous cement with fused grain boundaries, abundant glauconite, trace strong siliceous cement with fused grain boundaries, abundant glauconite, trace strong siliceous cement with fused grain boundaries, abundant glauconite, trace strong siliceous cement with fused grain boundaries, abundant glauconite, trace strong siliceous cement with fused grain boundaries, abundant glauconite, trace strong siliceous cement with fused grain boundaries, abundant glauconite, trace strong siliceous cement with fused grain boundaries, abundant glauconite, trace strong siliceous cement with fused grain boundaries, abundant glauconite, tr		5	CALCAREOUS CLAYSTONE: as above		
2860.0-2870.085SANDSTONE: Clear to translucent, abundant opaque, fine to very coarse, dominantly coarse to very coarse, minor fine, abundant medium, well sorted, sub-angular to well rounded, dominantly sub-rounded to rounded, abundant sub-angular, common well rounded, trace strong calcareous cement, trace strong siliceous cement with fused grain boundaries, abundant glauconite, trace pyrite and glauconite inclusions, trace mica flakes, trace fossils, rare fissile quartz shards, trace brittle to very hard aggregates, dominantly disaggregated, nil visible porosity, very good inferred porosity, no hydrocarbon fluorescence.Image: Clear to translucent, abundant opaque, fine to very coarse, dominantly sub-angular, common well rounded, dominantly sub-rounded to rounded, abundant sub-angular, common well rounded, trace strong calcareous cement, trace strong siliceous cement with fused grain boundaries, abundant glauconite, trace pyrite and glauconite inclusions, trace mica flakes, trace fossils, rare fissile quartz shards, trace brittle to very hard aggregates, dominantly disaggregated, nil visible porosity, very good inferred porosity, no hydrocarbon fluorescence.	2850.0 - 2860.0		dominantly medium to coarse, common fine, common very coarse, moderately sorted, sub-angular to well rounded, dominantly sub-rounded, abundant sub-angular, abundant rounded, minor well rounded (coarse to very coarse grains), trace strong calcareous cement, trace strong pyrite cement/matrix, abundant glauconite grading to GLAUCONITIC SANDSTONE in part, trace pyrite and glauconite inclusions, trace mica flakes, trace fossils, rare fissile quartz shards, trace brittle to very hard aggregates, dominantly disaggregated, nil visible porosity, good inferred porosity, no hydrocarbon fluorescence.	6	
2860.0-2870.085SANDSTONE: Clear to translucent, abundant opaque, fine to very coarse, dominantly coarse to very coarse, minor fine, abundant medium, well sorted, sub-angular to well rounded, dominantly sub-rounded to rounded, abundant sub-angular, common well rounded, trace strong calcareous cement, trace strong siliceous cement with fused grain boundaries, abundant glauconite, trace pyrite and glauconite inclusions, trace mica flakes, trace fossils, rare fissile quartz shards, trace brittle to very hard aggregates, dominantly disaggregated, nil visible porosity, very good inferred porosity, no hydrocarbon fluorescence.Image: Clear to translucent, abundant opaque, fine to very coarse, dominantly sub-angular, common well rounded, dominantly sub-rounded to rounded, abundant sub-angular, common well rounded, trace strong calcareous cement, trace strong siliceous cement with fused grain boundaries, abundant glauconite, trace pyrite and glauconite inclusions, trace mica flakes, trace fossils, rare fissile quartz shards, trace brittle to very hard aggregates, dominantly disaggregated, nil visible porosity, very good inferred porosity, no hydrocarbon fluorescence.					
10 SILTSTONE: as above, becoming more arenaceous.	2860.0 - 2870.0		SANDSTONE: Clear to translucent, abundant opaque, fine to very coarse, dominantly coarse to very coarse, minor fine, abundant medium, well sorted, sub-angular to well rounded, dominantly sub-rounded to rounded, abundant sub-angular, common well rounded, trace strong calcareous cement, trace strong siliceous cement with fused grain boundaries, abundant glauconite, trace pyrite and glauconite inclusions, trace mica flakes, trace fossils, rare fissile quartz shards, trace brittle to very hard aggregates, dominantly disaggregated, nil visible porosity, very		
		10	SILTSTONE: as above, becoming more arenaceous.		

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
2860.0 - 2870.0	5	CALCAREOUS CLAYSTONE: as above		
2870.0 - 2880.0	90	SANDSTONE: Clear to translucent, abundant opaque, fine to very coarse, dominantly coarse to very coarse, minor fine, abundant medium, well sorted, sub-angular to well rounded, dominantly sub-rounded to rounded, abundant sub-angular, common well rounded, trace strong calcareous cement, trace strong siliceous cement with fused grain boundaries, trace argillaceous matrix, in part abundant argillaceous glauconitic sandstone, common glauconite, trace mica flakes, trace fossils, rare fissile quartz shards, brittle to very hard aggregates (10%), dominantly disaggregated (90%), nil visible porosity, very good inferred porosity, no hydrocarbon fluorescence.		
	5	SILTSTONE: as above		
	5	CALCAREOUS CLAYSTONE: as above		
2880.0 - 2890.0	90	SANDSTONE: as above		
	5	SILTSTONE: as above		
	5	CALCAREOUS CLAYSTONE: as above		
2890.0 - 2900.0	50	GLAUCONITIC SANDSTONE: Medium grey to dark greenish grey, clear to translucent, very fine to medium, dominantly very fine to fine aggregates, dominantly medium disaggregated grains, well sorted, sub-angular to rounded, dominantly sub-rounded to sub-angular, common rounded, moderately strong calcareous cement, trace strong pyrite cement, trace to abundant argillaceous matrix in part, very fine to medium glauconite grading to GREENSAND in part, trace to minor mica flakes, trace fine pyrite nodules, trace lithics, abundant friable to moderately hard aggregated, nil to very poor visible porosity, fair inferred porosity, no hydrocarbon fluorescence.	5	
	30	SANDSTONE: Clear to translucent, abundant opaque, medium to very coarse, dominantly coarse to very coarse, abundant medium, well sorted, sub-angular to well rounded, dominantly sub-rounded to rounded, common sub-angular, abundant well rounded, trace strong calcareous cement, trace pyrite cement/matrix, trace glauconite, trace mica flakes, rare fissile quartz shards, brittle to very hard aggregates, dominantly disaggregated, nil visible porosity, very good inferred porosity, no hydrocarbon fluorescence.		
	10	SILTSTONE: Dominantly olive black, common dusky yellowish brown, argillaceous, common arenaceous, dominantly minor to abundant in part very fine to coarse glauconite, minor micromicaceous, trace very fine floating quartz grains, minor mica flakes, trace pyrite, soft to firm, sub-blocky.		
	10	CLAYSTONE: Medium dark grey to olive grey, common medium light grey, moderately calcareous, trace micromicaceous, minor very fine to fine floating quartz grains, trace nodular and disseminated pyrite, brittle to hard, blocky to fissile, dominantly sub-fissile, trace blocky, common sub-blocky, common fissile to splintery.		
2900.0 - 2905.0	60	GLAUCONITIC SANDSTONE: as above		
	20	SANDSTONE: as above		
	10	SILTSTONE: as above		
	10	CLAYSTONE: as above		
2905.0 - 2910.0	50	SANDSTONE: as above		
	30	GLAUCONITIC SANDSTONE: as above		
	10	SILTSTONE: as above		
	10	CLAYSTONE: as above		
2910.0 - 2920.0	40	SANDSTONE: as above		
	40	GLAUCONITIC SANDSTONE: as above		
	10	SILTSTONE: as above		
	10	CLAYSTONE: as above		
2920.0 - 2930.0	40	SANDSTONE: Clear to translucent, abundant opaque, medium to very coarse, dominantly coarse to very coarse, abundant medium, well sorted, sub-angular to well rounded, dominantly sub-rounded to rounded, common sub-angular, abundant well rounded, trace strong calcareous cement, trace pyrite cement/matrix, trace glauconite and glauconitic staining, trace mica flakes, rare fissile quartz shards, trace pyrite lens		

280.0 - 284.0.0 SANDSTONE: In a above 4 281.0 - 284.0.0 SANDSTONE: is above 4 282.0 - 284.0.0 SANDSTONE: Mathematic and grays to club aboxe, common mudulin gray regulates, commany mudulin to finance and gray regulates, commany muduling to resolve and the finance and gray regulates, commany muduling to resolve and the finance and the solve and the solve and the solve and the finance and the solve	Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
288.0 2 Sector Sector Sector Median data graduation functionation from the sector median of the			and inclusions, brittle to very hard aggregates, dominantly disaggregated, nil visible		
288.0 - 296.0 SANDSTONE: as above 4 288.0.0 - 296.0 SANDSTONE: as above 4 288.0.0 - 296.0 SANDSTONE: as above 4 288.0.0 - 296.00 SANDSTONE: as above 4 288.0.0 -					
aggregates, dominantly medium diaggregated grains, will sorted, sub-agglar to render download in the medium diagonal common noused with strong allicous common, take aggliacous americani, minor moduralely strong allicous 25005700E; and the strong allicous common nouse of the strong allicous 25005700E; and the strong and the stron		35	U		
284.0 2 2840.0 2 284					
283.00 - 294.00 - 29					
commoin to abundant light gey applications matrix, common brownish prey silty commoin to abundant light gey applications grading to GREINAND in part, trace mice fields, trace lines, trace cathonaceus meterial, abundant fields to model guidacous and silty, disagingsile, dininarity to the support with the support of the			moderately strong calcareous cement, minor moderately strong siliceous cement,		
InstitutionInstitutio					
abundant finibile to moderately habundant finibile to moderately relation of the second second second second second second second second second visible porsibly, poor inferred porsibly, no hydro-attanto fluorescence. Image: Second secon					
had, rarey finable, firm where argiliaebous and sility, disaggregated, in to very poor with the portexity, our infered portexity, to profectoration light groy, moderately calculate portexity, accounts of the portexity, our infered portexity, to profectoration light groy, moderately is account or profession non calculateous in part. Trace micromiscaeous, trace very fine to fine footing quartz grains, trace blocky, common dukey ploub to band, blocky to fossie, dominanty is sub-fissie, trace blocky, common sub-blocky, common dukey ploubs thorwn, generalish and grains, trace blocky, common dukey ploubs thorwn, generalish and grains, trace blocky, common dukey ploubs thorwn, generalish and grains, trace blocky, common dukey ploubs thorwn, generalish thorwn, generalish block, in part. Teace micromiscaeous, three or banudant very fine floating quartz grains and graing to SILTY SANDSTONE: in part. common dukey ploubs thorwn, generalish block, trace price blocky, common dukey ploubs thorwn, generalish block, trace price block, common dukey ploubs thorwn, generalish block, trace price block, trace price block, common dukey ploubs the plant, starb blocky. 2940.0 2 2950.0 50 SANDSTONE: as above 4 4 2940.0 2 2950.0 50 SANDSTONE: as above 50 50 2940.0 2 2950.0 50 SANDSTONE: as above 50 50 SANDSTONE: as above 2950.0 7 2 2950.0 70 SANDSTONE: as above 50 SANDSTONE: as above 2950.0 7 2 2950.0 70 SANDSTONE: as above 50 </td <td></td> <td></td> <td></td> <td></td> <td></td>					
visible processity, poor informed processity, no hydrocarbon fluorescince. 15 CLAYSTONE: Hudrin dark gray to low gray, moine machina light gray, moderately calcareous to common non calcareous in part, tace motionicaceous, trace very fine to fine floating quart grains, tacea motionicated prints, tacea discommand prints, tacea motionicated prints, tacea motionicate					
catarresus bases common non catarresus in part, tarea micronicacious, trace very fine ione floating quart grains, tarea on duality and disseminated pyrite, score cathonaceous material and laminae, brittle to tarball, comminantly 10 SiLTSTONE: Dominantly citibulas, common advective losses, common dualy yellowish brown, greenish basis, in part, srightee-consequence, trace to abundant very fine from guartz grains and grading to SILT STANDSTONE: part, common arenaceous, micro glucocolle, micro micromicaceous, trace to abundant very fine from guartz grains and grading to SILT STANDSTONE: trace micra flakes, trace provine, soft to brittle, dominantly film, sub-blocky. 2290.0 - 244.00 SANDSTONE: as above 4 2290.0 - 2550 SANDSTONE: as above 4 2290.0 - 2250.0 50 SANDSTONE: as above 5 2290.0 - 2250.0 50 SANDSTONE: as above 5 2290.0 - 2250.0 50 SANDSTONE: as above 5 2250.0 - 2250.0 70 SANDSTONE: as above 5 2250.0 - 2250.0 70 SANDSTONE: as above 5 2250.0 - 2250.0 70 SANDSTONE: as above 5 2250.0 - 2250.0 7 2360.0					
to line (basing quartz grains, trace nodular and disseminated pyth; trace incomeanus traction on sub-blocky, common		15			
carbonacous material and laminae, bittle to hat, blocky to fissile, dominanity carbonacous material and laminae, bittle to hat, blocky to fissile to splintery, 10 BLITSTOME: Dominanty olive black, common dusky yellowish brown, greenish black in part, anglicacous, micro glucoconie, micro micromaceous, trace to abundant very fine finang quart; grains and graining to SLITY SANDSTONE; trace micra lakes, trace privile, soft to brittle, dominanty firm, sub-blocky. 4 2830.0 - 2950.0 50 SANDSTONE: as above 4 2840.0 - 2950.0 50 SANDSTONE: as above 4 2840.0 - 2950.0 50 SANDSTONE: as above 5 2850.0 - 2952.0 70 SANDSTONE: as above 5 2850.0 - 2952.0 70 SANDSTONE: as above 5 2850.0 - 2950.0 65 SANDSTONE: as above 5 2850.0 - 2950.0 70 SANDSTONE: as above <td></td> <td></td> <td></td> <td></td> <td></td>					
10 SLUTSTONE: Dominantly olive black, common dusky veltovish brown, greenish brown, greenish back in part. argins and grading to SLUTY CANDSTONE, trace mice flakes, trace prists, soft to brittle, dominantly fitm, sub-blocky. 4 233.0 2 240.0 50 SANDSTONE: as above 4 234.0 5 SANDSTONE: as above 4 235.0 5 SANDSTONE: as above 4 240.0 5 SANDSTONE: as above 4 250.0 5 SANDSTONE: as above 5 250.0 5 SANDSTONE: as above 5 250.0 5 SANDSTONE: as above 5 250.0 5 SANDSTONE: cominantly olive black, common dusky vellowish brown, greenish brown greenish					
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 minor slow bleeding cut, thin off white to pale green film residue. GLAUCONITIC SANDSTONE: Medium grey, light olive grey, very fine to fine, dominantly fine, well sorted, round to sub-rounded, minor moderately strong calcareous cement, common argillaceous matrix and grading to ARGILLACEOUS SANDSTONE, common to locally abundant very fine to medium glauconite grains, trace mica flakes, occasional fine pyrite nodules, trace lithics, trace carbonaceous material, friable to moderately hard aggregates, hard in part, very poor visible porosity, no hydrocarbon fluorescence. SILTSTONE: medium dark grey brown, olive black, slightly arenaceous, common fine to medium glauconite grains, common tan lithics, minor micromicaceous, trace to minor nodular and disseminated pyrite, moderately hard to hard, sub-blocky. CLAYSTONE: light bluish grey, light green, light greenish grey, silicic, minor calcareous material, common off white lithics, commonly micromicaceous, hard to 					
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 minor nodular and disseminated pyrite, moderately hard to hard, sub-blocky. CLAYSTONE: light bluish grey, light grey, light greenish grey, silicic, minor calcareous material, common off white lithics, commonly micromicaceous, hard to 		10			
calcareous material, common off white lithics, commonly micromicaceous, hard to					
		10			
Convright 2002 - Petroleum Data Systems International Ptv I td Page : 4 of 10			calcareous material, common off white lithics, commonly micromicaceous, hard to		

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
		very hard, sub-fissile to sub-blocky.		
2960.0 - 2970.0	50	SANDSTONE: as above, minor weak pyritic cement, trace nodular pyrite.		
		FLUORESCENCE : (Trace) as above		
	20	SILTSTONE: as above		
	20	CLAYSTONE: as above		
	10	GLAUCONITIC SANDSTONE: as above		
2970.0 - 2980.0	60	SANDSTONE: as above		
		FLUORESCENCE : (Trace) moderately bright pale green and pale blue to off white spotted residual flourescense associated with coarse sandstone grains, slow diffusing cut and minor slow bleeding cut, thin off white to pale green film residue.		
	20	CLAYSTONE: as above		
	15	SILTSTONE: as above		
	5	GLAUCONITIC SANDSTONE: as above, abundant glauconite grains.		
2980.0 - 2990.0	75	SANDSTONE: as above, minor fine to medium grains, generally well sorted, occasional nodular pyrite. FLUORESCENCE : (Trace) as above		
	10	SILTSTONE: as above		
	10	CLAYSTONE: as above		
	5	GLAUCONITIC SANDSTONE: as above		
2990.0 - 3000.0	65	 SANDSTONE: as above, increasingly common nodular pyrite and medium glauconite grains. FLUORESCENCE: (Trace) moderately bright pale blue to off white spotted residual fluorescense associated with coarse sandstone grains, slow diffusing cut and minor slow bleeding cut, thin off white to pale green film residue. 		
	15	SILTSTONE: as above		
	15	CLAYSTONE: as above		
	5	GLAUCONITIC SANDSTONE: as above		
3000.0 - 3010.0	75	SANDSTONE: as above		
		FLUORESCENCE : (Trace) as above		
	10	SILTSTONE: as above		
	10	CLAYSTONE: as above.		
	5	GLAUCONITIC SANDSTONE: as above		
3010.0 - 3020.0	75	SANDSTONE: clear to translucent, frosted, dominantly coarse to very coarse, commonly fine to medium grains, poor to locally well sorted, angular to sub-angular, sub-rounded where fine to medium grained, minor weak pyritic cement, trace weak calcareous cement, nil visible matrix, common nodular pyrite cemented around glauconite nodules, common loose medium glauconite grains, generally clean disaggregated grains, very good inferred porosity. FLUORESCENCE: (Trace) as above		
	10	SILTSTONE: medium dark grey brown, dark brown, occasionally off white to tan, slightly arenaceous, common fine to medium glauconite grains, common tan lithics, minor micromicaceous, trace to minor nodular and disseminated pyrite, moderately hard to hard, sub-blocky.		
	10	CLAYSTONE: light bluish grey, light grey, light greenish grey, silicic, minor calcareous material, common off white lithics, commonly micromicaceous, hard to very hard, sub-fissile to sub-blocky.		
	5	GLAUCONITIC SANDSTONE: as above		
3020.0 - 3030.0	70	SANDSTONE: as above		
		FLUORESCENCE : (Trace)		
	10	SILTSTONE: as above		
	10	CLAYSTONE: as above		
	10	GLAUCONITIC SANDSTONE: Medium grey, light olive grey, translucent in part, very fine to fine, dominantly fine, well sorted, round to sub-rounded, minor moderately		

Interval	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
(m)				
		strong calcareous cement, common argillaceous matrix and grading to ARGILLACEOUS SANDSTONE, abundant very fine to medium glauconite grasins, trace mica flakes, occasional fine pyrite nodules, trace lithics, trace carbonaceous material, friable to moderately hard aggregates, hard in part, very poor visible porosity, no hydrocarbon fluorescence.		
3030.0 - 3040.0	80	SANDSTONE: as above		
		FLUORESCENCE : (Trace) as above		
	10	CLAYSTONE: as above		
	7	SILTSTONE: as above		
	3	GLAUCONITIC SANDSTONE: as above		
3040.0 - 3050.0	80	SANDSTONE: as above, occasional strong siliceous cement where fine grained aggregates and associated poor to fair inferred porosity. FLUORESCENCE : (Trace) as above		
	10	SILTSTONE: as above, common carbonaceous micro laminations.		
	5	CLAYSTONE: as above		
	5	GLAUCONITIC SANDSTONE: as above, common off white argillaceous matrix.		
3050.0 - 3060.0	80	 SANDSTONE: clear to translucent, frosted, dominantly coarse to very coarse, common very fine to medium grains, very poorly sorted, angular to sub-angular, sub-rounded where very fine to medium grained, common strong siliceous cement and common fused grain boundaries, minor moderately strong pyritic cement, trace weak calcareous cement, common off white argillaceous matrix where very fine to fine aggregates, nil visible matrix associated with coarse grains, common nodular pyrite, occasional loose medium glauconite grains, rare chert fragments, generally clean disaggregated grains, very good inferred porosity. FLUORESCENCE: (Trace) as above 		
	15 5	SILTSTONE: medium dark grey brown, medium brown, occasionally off white to tan, argillaceous in part, occasional fine to medium glauconite grains, common tan lithics, minor micromicaceous, common carbonaceous micro laminations. trace to minor nodular, moderately hard to hard, sub-blocky. CLAYSTONE: as above, occasional light brownish grey, common carbonaceous micro laminations.		
3060.0 - 3070.0	85	SANDSTONE: as above, increasingly common fine to medium aggregates with off white argillaceous matrix, minor carbonaceous laminations and specks. FLUORESCENCE : (Trace) as above		
	15	SILTSTONE: as above		
3070.0 - 3080.0	90	SANDSTONE: clear to translucent, off white, frosted, very fine to very coarse, very poorly sorted, angular to sub-angular where coarse, sub-rounded where very fine to medium grained, common strong siliceous cement and common fused grain boundaries, minor moderately strong pyritic cement, trace weak calcareous cement, common off white argillaceous matrix where very fine to fine tight aggregates, nil visible matrix associated with coarse grains, common nodular pyrite, minor loose medium glauconite grains, common chert fragments, minor carbonaceous material, generally clean disaggregated grains and fractured quartzite shards, poor visible porosity in fine aggregates, fair to good inferred porosity.		
		FLUORESCENCE : (Trace) as above		
	10	SILTSTONE: medium brown to tan, medium grey brown, argillaceous and locally grading to a SILTY CLAYSTONE, increasingly common carbonaceous laminations and specks, locally arenaceous, trace lithics, moderately hard to hard, sub-fissile to sub-blocky.		
3080.0 - 3090.0	85	SANDSTONE: as above, dominantly fine to medium grains.		
	15	FLUORESCENCE : (Trace) as above SILTSTONE: as above		
3090.0 - 3100.0	85	SANDSTONE: off white, clear to translucent, dominantly very fine to medium with common to abundant coarse to very coarse fractured grains, angular to sub-rounded, dominantly sub-angular, common strong siliceous cement and common fused grain boundaries, minor moderately strong pyritic cement, trace weak calcareous cement, common off white argillaceous matrix where very fine to fine tight aggregates, nil visible matrix associated with coarse grains, increasingly common carbonaceous specks and laminations in fine grained aggregates, common nodular pyrite, rare		

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
		glauconite nodules, common chert fragments, common friable to moderately hard fine grained aggregates, generally clean disaggregated coarse grains and fractured quartzite shards, poor visible porosity in fine aggregates, generally fair to good inferred porosity. FLUORESCENCE : (Trace) as above		
	15	SILTSTONE: as above, carbonaceous material locally grading to COAL stringers, occasional arenaceous laminations.		
3100.0 - 3110.0	85 15	SANDSTONE: as above FLUORESCENCE : (Trace) SILTSTONE: as above		
3110.0 - 3120.0	85	SANDSTONE: as above, common coarse to very coarse grains. FLUORESCENCE : (Trace)		
3120.0 - 3130.0	15 85	SILTSTONE: as above SANDSTONE: as above FLUORESCENCE : (Trace)		
	15	SILTSTONE: as above		
3130.0 - 3140.0	80	 SANDSTONE: off white, clear to translucent, dominantly very fine to medium with common coarse to very coarse fractured grains, angular to sub-rounded, dominantly sub-angular, common strong siliceous cement and occasional fused grain boundaries, minor moderately strong pyritic cement, trace weak calcareous cement, common off white argillaceous matrix where very fine to fine tight aggregates, occasional carbonaceous specks, common nodular pyrite, rare glauconite nodules, common chert fragments, common friable to moderately hard fine grained aggregates, generally clean disaggregated coarse grains and fractured quartzite shards, poor to fair visible porosity in fine aggregates, generally fair to good inferred porosity, no hydrocarbon fluorescence. SILTSTONE: medium brown to tan, medium grey brown, generally argillaceous and locally grading to a SILTY CLAYSTONE, common carbonaceous laminations and specks and locally grading to COAL stringers, locally arenaceous, minor micromicaceous, trace lithics, moderately hard to hard, sub-fissile to sub-blocky. 		
3140.0 - 3150.0	75	SANDSTONE: as above		
	25	SILTSTONE: as above		
3150.0 - 3160.0	75	SANDSTONE: as above		
	25	SILTSTONE: as above		
3160.0 - 3170.0	70 30	SANDSTONE: as above SILTSTONE: medium brown to tan, medium grey brown, generally argillaceous and locally grading to a SILTY CLAYSTONE, common carbonaceous laminations and specks and locally grading to VITREOUS COAL stringers, locally arenaceous, minor micromicaceous, trace lithics, moderately hard to hard, sub-fissile to sub-blocky.		
3170.0 - 3180.0	70	SANDSTONE: as above		
	30	SILTSTONE: medium brown to tan, medium grey brown, generally argillaceous and locally grading to a SILTY CLAYSTONE, common carbonaceous laminations and specks and locally grading to VITREOUS COAL stringers, locally arenaceous, minor micromicaceous, trace lithics, moderately hard to hard, sub-fissile to sub-blocky.		
3180.0 - 3190.0	80	SANDSTONE: clear to translucent, off white, dominantly medium, commonly very fine to fine and common coarse to very coarse fractured grains, angular to sub-rounded, dominantly sub-angular, common strong siliceous cement and occasional fused grain boundaries, minor moderately strong pyritic cement, trace weak calcareous cement, common off white argillaceous matrix where very fine to fine tight aggregates, occasional carbonaceous specks, common nodular pyrite, rare glauconite nodules, common chert fragments, common friable to moderately hard fine grained aggregates, generally clean disaggregated coarse grains and fractured quartzite shards, poor to fair visible porosity in fine aggregates, generally fair to good inferred porosity, no hydrocarbon fluorescence.		
	18	SILTSTONE: as above, increasingly common COAL stringers		
	2	COAL: black, olive black, vitreous to sub-vitreous, common silty laminations and commonly grading to a CARBONACEOUS SILTSTONE, hackly in part, hard to very		7 of 10

Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
()		hard, sub conchoidal to sub-blocky.		
3190.0 - 3200.0	70	SANDSTONE: as above		
0100.0 0200.0	29	SILTSTONE: as above		
	1	COAL: as above		
3200.0 - 3210.0	80	SANDSTONE: off white, clear to translucent, very fine to medium, common coarse to very coarse fractured grains, sub-angular to sub-rounded, common strong siliceous cement and occasional fused grain boundaries, minor moderately strong pyritic cement, trace weak calcareous cement, common off white argillaceous matrix where very fine to fine tight aggregates, occasional pale brown silty matrix and locally grading to a SILTY SANDSTONE, occasional carbonaceous specks, common nodular pyrite, common friable to moderately hard fine grained aggregates, generally clean disaggregated grains, poor to fair visible porosity in fine aggregates, generally fair inferred porosity, no hydrocarbon fluorescence.		
	20	SILTSTONE: medium brown, medium grey brown, light olive grey, commonly argillaceous and locally grading to a SILTY CLAYSTONE, common carbonaceous laminations and specks and locally grading to VITREOUS COAL stringers, locally arenaceous and grading to a SILTY SANDSTONE in part, minor micromicaceous, trace lithics, moderately hard to hard, sub-fissile to sub-blocky.		
3210.0 - 3220.0	70	SANDSTONE: off white , pale brown, clear to translucent, very fine to medium, decreasingly common coarse to very coarse fractured grains, sub-angular to sub-rounded, common strong siliceous cement and occasional fused grain boundaries where coarse grained, trace pyritic cement, trace weak calcareous cement, common off white argillaceous matrix where very fine to fine tight aggregates, occasional pale brown silty matrix and locally grading to an ARENACEOUS SILTSTONE, common carbonaceous specks, common nodular pyrite with occasional glauconite grains, common friable to moderately hard fine grained aggregates, generally clean disaggregated grains, poor to fair visible porosity in fine aggregates, poor to generally fair inferred porosity, no hydrocarbon fluorescence.		
	_			
	2	COAL: black, olive black, dark grey, sub-vitreous, dull and silty in part, common silty laminations and commonly grading to a CARBONACEOUS SILTSTONE, hackly in part, hard to very hard, sub conchoidal to sub-blocky.		
3220.0 - 3230.0	70	SANDSTONE: as above		
	30	SILTSTONE: as above		
3230.0 - 3240.0	70	SANDSTONE: as above		
	29	SILTSTONE: as above		
	1	COAL: as above		
3240.0 - 3250.0	75	SANDSTONE: clear to translucent, frosted, off white to pale grey in part, fine to very coarse, dominantly fine to medium, common coarse angular grains, poor sorted, dominantly sub-angular to sub-rounded, common angular, common strong siliceous cement and fused grain boundaries where medium to coarse grained, minor strong pyritic cement, trace weak calcareous cement, common off white to pale grey brown argillaceous matrix where very fine to fine tight aggregates, occasional pale brown silty matrix and locally grading to ARENACEOUS SILTSTONE, common silty and carbonaceous laminations, common nodular pyrite, common friable to very hard fine to medium grained aggregates, generally clean disaggregated grains, poor to fair visible porosity in fine aggregates, poor to generally fair inferred porosity. FLUORESCENCE : (Trace) bright pale blue to off white spotted residual fluorescense associated with coarse sandstone grains, slow diffusing cut and weak slow bleeding cut, thick off white to pale green film residue.		
	25	SILTSTONE: medium brown, medium grey brown, light olive grey, commonly argillaceous and locally grading to a SILTY CLAYSTONE, common carbonaceous laminations and specks and locally grading to VITREOUS COAL stringers, locally arenaceous and grading to a SILTY SANDSTONE in part, minor micromicaceous, trace lithics, moderately hard to hard, sub-fissile to sub-blocky.		
3250.0 - 3260.0	70			
	20	FLUORESCENCE : (Trace) as above		
	30	SILTSTONE: as above		
3260.0 - 3270.0	65	SANDSTONE: as above, common rock flour. FLUORESCENCE : (5%)		
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Interval (m)	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
3260.0 - 3270.0	35	SILTSTONE: as above		
3270.0 - 3280.0	75	SANDSTONE: as above FLUORESCENCE : (Trace) as above		
	25	SILTSTONE: as above		
3280.0 - 3290.0	80	SANDSTONE: clear to translucent, frosted, off white to pale grey in part, fine to very coarse, dominantly fine to medium, common coarse angular grains, poor sorted, dominantly sub-angular to sub-rounded, common angular, common strong siliceous cement and fused grain boundaries where medium to coarse grained, minor strong pyritic cement, trace weak calcareous cement, common off white to pale grey brown argillaceous matrix where very fine to fine tight aggregates, occasional pale brown silty matrix and locally grading to ARENACEOUS SILTSTONE, common silty and carbonaceous laminations, common nodular pyrite, common very hard fine to medium grained aggregates, generally clean disaggregated grains, common rock flour, poor visible porosity in fine aggregates, poor to generally fair inferred porosity. FLUORESCENCE : (Trace) as above		
	20	SILTSTONE: medium brown, medium grey brown, light olive grey, commonly arenaceous and locally grading to a SILTY SANDSTONE, common carbonaceous laminations and specks, locally argillaceous, minor micromicaceous, trace lithics, moderately hard to hard, sub-blocky, sub-fissile in part.		
3290.0 - 3300.0	80	SANDSTONE: as above, increasingly common coarse to very coarse angular quartz grains. FLUORESCENCE : (Trace) as above		
	20	SILTSTONE: as above		
3300.0 - 3310.0	80	SANDSTONE: as above FLUORESCENCE : (Trace)		
	20	SILTSTONE: as above		
3310.0 - 3320.0	85	SANDSTONE: clear to translucent, frosted, very fine to very coarse, dominantly medium to coarse, poorly sorted, sub-angular to sub-rounded, angular in part, common weak siliceous and calcareous cement, rare pyrite cement, locally common pale brown to off white argillaceous and silty matrix where very fine to fine grained aggregates, common nodular pyrite with occasional glauconitic grains, common lithics and minor carbonaceous specks, generally clean disaggregated grains, minor very hard very fine to fine grained aggregates, good inferred porosity. FLUORESCENCE : (Trace) as above.		
	15	SILTSTONE: light to medium grey brown, light olive grey, commonly arenaceous and locally grading to a SILTY SANDSTONE, common carbonaceous laminations and specks, locally argillaceous, minor micromicaceous, trace lithics, moderately hard to hard, sub-blocky, sub-fissile in part.		
3320.0 - 3340.0	85	SANDSTONE: clear to translucent, frosted, very fine to very coarse, dominantly medium to coarse, poorly sorted, sub-angular to sub-rounded, angular in part, common weak siliceous and calcareous cement, rare pyrite cement, locally common pale brown to off white argillaceous and silty matrix where very fine to fine grained aggregates, common nodular pyrite with occasional glauconitic grains, common lithics and minor carbonaceous specks, generally clean disaggregated grains, minor very hard very fine to fine grained aggregates, good inferred porosity, no hydrocarbon fluorescence.		
	15	SILTSTONE: light to medium grey brown, light olive grey, commonly arenaceous and locally grading to a SILTY SANDSTONE, common carbonaceous laminations and specks, locally argillaceous, minor micromicaceous, trace lithics, moderately hard to hard, sub-blocky, sub-fissile in part.		
3340.0 - 3350.0	95	SANDSTONE: Clear to translucent, off white, frosted, very fine to very coarse, dominantly medium to coarse, poor to moderately sorted, sub-angular to sub-rounded, angular in part, common weak siliceous and calcareous cement, rare pyrite cement, locally common offf white argillaceous fine grained aggregates, minor nodular pyrite, common lithics and carbonaceous specks, generally clean disaggregated grains, minor very hard very fine to fine grained aggregates, good inferred porosity, no hydrocarbon fluorescence.		
	5	SILTSTONE: as above Spot sample only		
3350.0 - 3360.0	95	SANDSTONE: as above		
		SANDSTONE. as above	 	:9 of 10

	terv (m)	val	%	Lithology / Show Descriptions	Ca (%)	Mg (%)
3350.0	-	3360.0	5	SILTSTONE: as above		
3360.0	-	3380.0	90 10	 SANDSTONE: Clear to translucent, abundant opaque, rare medium light grey to medium grey aggregates, fine to very coarse, dominantly medium to coarse, abundant fine, abundant very coarse, aggregates are fine, moderately sorted, angular to rounded, dominantly sub-angular to sub-rounded, common angular and rounded, rare moderate siliceous cement, rare pyrite cement, white argillaceous matrix, minor nodular pyrite, common lithics and carbonaceous specks, trace chert, trace mica flakes, dominantly disaggregated, minor brittle to very hard aggregates, nil to poor visible porosity and good inferred porosity, no hydrocarbon fluorescence. SILTSTONE: Dark grey to olive black, common medium dark grey, arenaceous, minor argillaceous, trace lithics, trace fine quartz grains, trace nodular and disseminated pyrite, trace mica flakes, firm to hard, dominantly moderately hard to hard, abundant firm, sub-blocky, sub-fissile in part. 		
3380.0	-	3400.0	90	SANDSTONE: as above, dominantly medium, abundant coarse, minor very coarse.		
			10	SILTSTONE: as above		
3400.0	-	3420.0	85	SANDSTONE: Clear to translucent, abundant opaque, rare medium light grey to medium grey aggregates, fine to very coarse, dominantly medium to coarse, abundant fine, common very coarse, aggregates (10%) are fine, moderately sorted, angular to rounded, dominantly sub-angular to sub-rounded, common angular and rounded, rare moderate siliceous cement, rare pyrite cement, abundant white argillaceous matrix and grading to ARGILLACEOUS SANDSTONE, minor brownish black silty matrix and grading to SILTY SANDSTONE, minor nodular pyrite, common lithics and carbonaceous specks, trace chert, trace mica flakes, trace glauconite in aggregates, dominantly disaggregated, minor brittle to very hard aggregates, poor to in part fair visible porosity and good inferred porosity, no hydrocarbon fluorescence.		
			15	SILTSTONE: Dark grey to olive black, common medium dark grey, arenaceous and grading to SILTY SANDSTONE in part, minor argillaceous, common carbonaceous laminations and specks, minor micromicaceous, trace lithics, trace fine quartz grains, trace nodular and disseminated pyrite, trace mica flakes, firm to hard, dominantly moderately hard to hard, abundant firm, sub-blocky, sub-fissile in part.		
3420.0	-	3440.0	90	SANDSTONE: as above, dominantly coarse.		
			10	SILTSTONE: as above		
3440.0	-	3450.0	85 15	SANDSTONE: as above, medium to very coarse, dominantly medium, abundant coarse, minor very coarse, minor fine grained aggregates. SILTSTONE: as above		
3450.0	-	3460.0	100	SANDSTONE: Clear to translucent, abundant opaque, fine to coarse, dominantly medium, abundant fine, common coarse, well sorted, sub-angular to rounded, dominantly sub-rounded to rounded, abundant sub-angular, trace pyrite cement, common nodular pyrite, common lithics and carbonaceous material, trace glauconite or possibly chlorite, trace calcareous fragments, disaggregated, good inferred porosity, no hydrocarbon fluorescence.		