

## **APPENDIX B**

MAGELLAN PETROL  
(NT) PTY. LTD.  
PALM VALLEY - 10

# SAMPLE DESCRIPTION



WELL \_\_\_\_\_ LOCATION \_\_\_\_\_ ELEVATION \_\_\_\_\_ K.B.

INTERVAL		%	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, etc.
from	to			
20	50	100	SST: MOD RED ORNG, HAEM. STN QTZ, CRS-VFN, GEN MED, RND-SURANG, GEN WL SRT, PR-GD SIL CNT IN AGGS, DOM USE CUTTINGS, FC CALC, OCC HAEM. CNT, MOD HD AGGS.	PR-NIL Ø, No Show
50	55	20	SST: MOD RD BAN, TRNS, MED-VF, RND-SBANG, SILTY MTX, PR-GD SIL CNT, FRI-HD, GRDNG TO SILTST: i.p.	A/A
		80	SILTST: MOD DRK RD BAN, AREN TO ARG, CALC, FREQ. MICA, BUCKY, FRN-BATTLE	
55	60	90	SST: A/A, PRED MED, RR WL RND CRS, WL SRT, MOD HD AGGS	A/A
		10	SILTST: A/A	
60	65	100	SST: A/A, WL CNT AGGS	A/A
65	70	80	SST: A/A + H/Y TR PL-MED GRY, MED-VF, ANG-SBRND, PRLY STD, WL CNT BY SIL, HD.	A/A
		20	SILTST: A/A	
		TR	CALCITE: (FREE), WHT-CLR, MIXTUN, BRIT	
70	75	90	SST: A/A	A/A
		10	SILTST: A/A	
		TR	CALCITE: A/A	

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WELL PALM VALLEY - 10 LOCATION \_\_\_\_\_ ELEVATION \_\_\_\_\_ K.B. \_\_\_\_\_

2

INTERVAL		%	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, etc.
from	to			
75	80	90	SST: A/A	A/A
		10	SILTST: A/A	
		6	CALCITE: A/A	
80	85	90	SST: A/A	A/A
		10	SILTST:	
85	90	90	SST: A/A	A/A <sup>PR-NIL</sup> N/S
		10	SILTST:	
90	95	40	SST: A/A BEC F	A/A
		60	SILTST: A/A GRDING TO VF SST, PLTY-BLKY	
95	100	30	SST: A/A	A/A
		70	SILTST:	
100	105	90	SST: MOD RED ORNG, MOD RED BRN, F-VF, SUBAND-ANG, PLX STD, SILTY MTRX IP, OCC QZ OUGRWTHS, MOD-WL CNT BY CALC/DOL, BUCKY, HD.	NIL, No SHOW
		10	SILTST: A/A, V. CALC IP	
105	110	90	SST: A/A	A/A
		10	SILTST:	
110	115	90	SST: A/A	A/A
		10	SILTST:	

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WELL PALM VALLEY - 10 LOCATION \_\_\_\_\_ ELEVATION \_\_\_\_\_ K.B. 3

INTERVAL		%	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, etc.
from	to			
115	120	95	SST: A/A, MED-VF, PRED F, PRLY STD, HD	NIL - V. PR <del>ST</del> No Shows
		5	SILTST:	
		TR	CALCITE:	
120	125	100	SST: A/A	A/A
		6	SILTST: A/A	
		6	CALCITE: A/A	
125	130	100	SST: A/A, VF-F, OCC MED	A/A
130	150	100	SST: A/A + TRACE CLR, F-VF, WL STD, CALC CMT + QTZ OVGROWTHS, HARD-MOD HD	A/A
150	155	100	SST: A/A	A/A
155	160	100	SST: A/A, mod WL STD, F-VF 6 SILTST: A/A	A/A
160	165	100	SST: A/A	A/A
165	170	100	SST: A/A	A/A
170	175	90	SST: DRK RD BRN, F-VF, WL RND-SBRND, WL STD, OCC SILT MTX, COM DR GRNS, MOD STANG CALC GRM QTZ OVGROWTHS, HD-MOD HD AGGS.	NIL <del>ST</del> No Shows
		10	SILTST: A/A + LT OLW GRY, CALC/DOL, FRM-HD	
175	180	70	SST: A/A	A/A
		30	SILTST: A/A, Dm DRK RED BRN, ARG.	

## SAMPLE DESCRIPTION

WELL PALM VALLEY - 10 LOCATION \_\_\_\_\_ ELEVATION \_\_\_\_\_ K.B. 4

INTERVAL		%	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, etc.
from	to			
180	185	70	SST: A/A	
		30	SILTST: A/A	NIL Ø N/S
185	190	90	SST: A/A	
		10	SILTST: A/A	NIL Ø N/S
190	195	90	SST: A/A	NIL Ø N/S
		10	SILTST: A/A	
195	200	90	SST: A/A F-occ med, w/sntd.	NIL Ø N/S
		10	SILTST: A/A, sparse dvl. silst	
200	205	90	SST: A/A	NIL Ø N/S
		10	SILTST: A/A	
205	210	90	SST: A/A	NIL Ø N/S
		10	SILTST: A/A	
210	215	80	SST: A/A, pred fn grained	NIL Ø N/S
		20	SILTST: A/A, blocky, hard, grading to F SST	
215	220	100	SST: A/A, F grained	NIL Ø
		tr	SILTST: A/A	N/S
220	225	100	SST: vlf-fn A/A	NIL Ø N/S
		tr	SILTST	

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WELL PALM VALLEY - 10 LOCATION \_\_\_\_\_ ELEVATION \_\_\_\_\_ K.B. 5

INTERVAL		%	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, etc.
from	to			
225	230	80	SST: A/A	NIL Ø, N/S
		20	SILTST: A/A	
230	235	90	SST: A/A	NIL Ø, N/S
		10	SILTST:	
235	240	100	SST: A/A	NIL Ø, N/S
		Tr	SILTST:	
240	245	100	SST: A/A	NIL Ø, N/S
		Tr	SILTST:	
245	250	100	SST: A/A	NIL Ø, N/S
		Tr	SILTST:	
250	255	40	SST: DK RED BRN, v.f.-f, w/ stck, shang, silty mtrix, gd calc cont, blocky, hd	NIL Ø, N/S
		60	SILTST: DRK RED BRN, ARG, SANDY IP, BLOCKY, OCC MICA, DK INCLS, V. CALC, FRM-HD.	
255	260	40	SST: A/A	NIL Ø, N/S
		60	SILTST:	
260	265	40	SST: A/A	NIL Ø, N/S
		60	SILTST:	

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# SAMPLE DESCRIPTION



WELL PALM VALLEY - 10 LOCATION \_\_\_\_\_ ELEVATION \_\_\_\_\_ K.B. 6

INTERVAL		%	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, etc.
from	to			
265	270	80	SST: mod red brn, med-vf, pred f, or cre, w/ med-subang, mod-poly std, silty mtrx - clean, mod string-cake & sil cnt, mod. hd	NIL Ø, No Show
		20	SILTST: A/A	
270	275	80	SST: A/A	NIL Ø, N/S
		20	SILTST:	
275	280	60	SST: A/A	NIL Ø, N/S
		40	SILTST: + OCC CRS SIZED CLR DOLOMITE/CALCITE + FT PL GRAY GRN CHLORITE.	
280	285	30	SST: A/A	A/A
		70	SILTST:	
285	290	10	SST: A/A	A/A
		90	SILTST:	
290	295	20	SST: A/A	A/A
		80	SILTST:	
295	300	70	SST: A/A, f-vf, subang, w/ std, mod hd <sup>CALC.</sup>	A/A
		30	SILTST: A/A.	
300	305	80	SST: A/A	
		20	SILTST: A/A + FT OLIVE GRY, CALC, FRN.	

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WELL PALM VALLEY - 10 LOCATION \_\_\_\_\_ ELEVATION \_\_\_\_\_ K.B. 7

INTERVAL		%	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, etc.
from	to			
305	310	40	SST: A/A	NIL-PR <del>0</del> , N/S
		60	SILTST:	
310	315	20	SST: A/A v.f., silty mtr	
		80	SILTST:	
315	320	50	SST: A/A	
		50	SILTST:	
320	325	50	SST: A/A	
		50	SILTST:	
325	330	50	SST: A/A	
		50	SILTST:	
330	335	50	SST: A/A	
		50	SILTST:	
335	340	50	SST: A/A	
		50	SILTST: TR. Gypsum, clr, org, sft.	
340	345	20	SST: A/A	
		80	SILTST:	



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WELL PALM VALLEY - 10 LOCATION \_\_\_\_\_ ELEVATION \_\_\_\_\_ K.B. 8

INTERVAL		%	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, etc.
from	to			
345	350	70	SST: A/A	PR-NIL & NO SHOW
		30	SILTST:	
350	355	80	SST: A/A	A/A
		20	SILTST:	
355	360	70	SST: A/A bec f & cleaner	A/A
		30	SILTST: A/A	
360	365	40	SST: SILTYER	A/A
		60	SILTST:	
365	370	40	SST: A/A	A/A
		60	SILTST:	
370	375	40	SST: A/A	A/A
		60	SILTST:	
375	380	50	SST: A/A	A/A
		50	SILTST:	
380	385	40	SST: A/A	A/A
		60	SILTST:	
385	390	30	SST: A/A	A/A
		70	SILTST: LGE Gypsum FRGMNTS. FIBRS - BLOCKY.	

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WELL PALM VALLEY - 10 LOCATION \_\_\_\_\_ ELEVATION \_\_\_\_\_ K.B. 9

INTERVAL		%	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, etc.
from	to			
390	395	30	SST: A/A	PR-NIL Ø No SHOWS
		70	SILTST:	
395	400	40	SST: (HEAVY CNT CONTENT)	A/A
		60	SILTST: A/A	
400	405	40	SST: A/A	A/A
		60	SILTST:	
405	410	100	MOD RD BRN - RD ORANGE, F-VF, PRE-D FINE SST: SBAND-SUBANG, WL STD, MINOR SILT MTX,	TR-PR Ø
			MOD STRONG SIL CNT, MINOR DOL, MOD HD.	No SHOW
		TR	SILTST: A/A	
410	415	95	SST: A/A grading to LTOLV GRAY IP.	TR-PR Ø, N/S
		5	SILTST: A/A GRDING TO VF SST.	
415	420	50	SST: MOD-DRK RED BRN, F-VF, SBAND, WL STD	NIL Ø
			SILTY ARG MTX, BLOCKY, MICMIC, FRM-HD	N/S
		50	SILTST: DRK RD BRN, ARG, VF SAND, BLOCKY, BRIT-Frm, SL CALC.	
420	425	70	SST: MOD RD ORANGE, F-VF, DOME, RND-	FR Ø
			SUBANG, DCE WL RND, WL STD, MOD HD-	No SHOW.
			FRBLE AGGS, PR CNT, V. CALC IP.	
		10	SILTST: A/A	

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INTERVAL		%	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, etc.
from	to			
425	430	100	SST: A/A, INC IN PL GRY, MED STANG <sup>Doc</sup> CNT	FR Ø, No Show
		TR		
430	435	100	SST: A/A	A/A
		TR	SILTST: A/A	
435	440	100	SST: A/A	A/A
		TR	SILTST:	
440	445	100	SST: A/A, WL CNT, HD	A/A N/S
		TR	SILTST:	
PLUGGED HOLE BACK TO 410m				

# SAMPLE DESCRIPTION



WELL PALM VALLEY 10 LOCATION \_\_\_\_\_ ELEVATION \_\_\_\_\_ K.B. \_\_\_\_\_  
 SIDETRACK 1 FROM 6.0M.

INTERVAL		%	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, etc.
from	to			
410	415		(FROM TOP OF SIDETRACK 1)	
		90	SST: MOD RD BRN, F-VF, WLRND-SUB	
			ANG, PRED SUBAND, MOD STD, CLEAV-	
			OCC SILTY MTX, MOD HD - FRBLE, OCC	
			DRK GREEN, SOFT CHLORITE?	PR-NIL or NO SHOW
		10	SILTST: MOD TO DRK RD BRN, ARG, V SANDY	
			IP, BLOCKY MOD FAN-BRITTLE.	
415	420	100	SST: A/A	A/A
		TR	SILTST: A/A	
420	425	90	SST: A/A	A/A
		10	SILTST: A/A, MICA IP	
425	430	100	SST: A/A, PRED. LSE CTINGS, FRBL-MOD HD	A/A
		TR	SILTST: A/A	
430	435	100	SST: A/A, COMM TRANSLNT, PRED FINE.	A/A
		TR	SILTST: A/A	
435	440	90	SST: A/A, OCC WHT AGGS, MOD WLGNT.	A/A
		10	SILTST: A/A, V. MIC. IP.	
440	445	90	SST: A/A	A/A
		10	SILTST: A/A	

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WELL PALM VALLEY - 10 LOCATION \_\_\_\_\_ ELEVATION \_\_\_\_\_ K.B. 12

INTERVAL		%	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, etc.
from	to			
445	450	100	SST: A/A, F-VFN, PRL STD, ED- PR INF, Ø, MAINLY LSE CTNGS	PR-FR No SHOW
450	455	100	SST: A/A VF-F.	A/A
455	460	100	SST: A/A BUT F, WL STD.	A/A
460	465	100	SST: A/A, OCC WL RND MED GRAINS	A/A
465	470	100	SST: A/A TR SILTST: PL OLV GREY, AREN, FRN.	A/A
470	475	90 10	SST: A/A SILTST:	A/A
475	480	90 10	SST: A/A WITH INC CLEAR GRAINS SILTST: A/A, V. MIC i.p.	A/A
480	485	90 10	SST: A/A PRE D FINE GRAINED SILTST: A/A	A/A
485	490	100	SST: MOD RED ORNGE, MOD ORNG PINK, CIR, TRNCT, F-VF, SUBAND-SBANG, OCC WL RND, MOD WL STD, STZ OUGATHS, LOOSE SHATTERED GRNS, TR SILTST: A/A	PR INF Ø No SHOW

# SAMPLE DESCRIPTION



WELL PALM VALLEY - 10 LOCATION \_\_\_\_\_ ELEVATION \_\_\_\_\_ K.B. \_\_\_\_\_

13

INTERVAL		%	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, etc.
from	to			
490	495	50	SST: MOD ORNG PNK, MOD RED ORNG CLR, M-F, PRED F, OCC CRSE, WL RND-SUBRND, PALY STD, CLEAN-OCC SILTY MTX, OCC DARK LITHICS, WL CNT BY SILT, HD AGGS, SILTST: DARK RED BRN, ARG, NON MIC-MIC. PLTY-ALKY, FIRM-HD.	PR-NIL No SHOW.
495	500	100	SST: A/A	A/A
500	505	100	SST: A/A PRED MED AND FINE	A/A
505	510	100	SST: A/A WITH FEW AGGS.	A/A
510	515	100	SST: A/A W-INC. CLR, MOD ORNG. PNK.	A/A
515	520	100	SST: A/A	A/A
520	525	100	SST: A/A + OCC PL RED, WL CNT, HD	A/A
525	530	90	SST: A/A, PRED MEDIUM, RR AGGS.	A/A
		10	SILTST: DARK RED BRN A/A.	
530	535	100	SST: A/A, WL RND-SUBRND, CLR-ORNG PNK, WL CNT AGGS BY CALC & SIL.	A/A
535	540	100	SST: A/A	NIL-PR INF No SHOW

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INTERVAL		%	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, etc.
from	to			
540	545	100	SST: A/A	A/A
545	550	100	SST: A/A	PINPOINT Ø IN SOME AGGS = PR.
550	555	100	SST: A/A, m, WL STD.	A/A
555	560	100	SST: A/A. HVY TRACE PALE GRN, F-VF, HTR MOD-PR STD, SUBRD-ANG, QTZ OUGRWTHS, CHLORITIC (PALE GREEN, SET, FLKY) WITH SIDERITE CMT - WL CMT, H.D.	PRIME TO NIL Ø No SHOW.
560	565	100	SST: A/A	A/A
565	570	100	SST: A/A	A/A
570	575	100	SST: A/A	A/A
575	580	100	SST: A/A	A/A
580	585	100	SST: A/A	A/A
585	590	100	SST: A/A	A/A
590	595	100	SST: A/A, F-VF.	A/A
595	600	100	SST: A/A PRED FN, INC MED, WL BND IP	FR - NIL Ø N/S.

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WELL PALM VALLEY - 10 LOCATION \_\_\_\_\_ ELEVATION \_\_\_\_\_ K.B. 15

INTERVAL		%	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, etc.
from	to			
600	605	90	SST: MOD ORNG PNK, OFF WHT, MED-VFN, Down MED, WL RND - SBAND, CLR-FRSTED AND PITTED GRAINS, WL STD, OCC CHLOR INCS, PLY CNT AGGS.	FR-ED Ø No SHOW.
		10	SILTST: DRK RD BRN, ARG-V. SANDY, MIC, BLOCK-OCC PLATEY, FRM-BRTTLE	
605	610	100	SST: A/A TR SILTST: A/A	A/A
610	615	80	SST: A/A	A/A
		20	SILTST: A/A	
615	620	90	SST: A/A	A/A
		10	SILTST:	
620	625	70	SST: A/A BEC VF, SILTY MTX, HD	A/A.
		30	SILTST: A/A + PL OLUGRN, MIC, CHLOR, FRM	
625	630	90	SST: PL PNK, CLR, M-F, PRED M, WL RND - SUBAND, COM. QTZ DVGRWTHS, GEN LSE CTNGS.	GOOD INF Ø No SHOW.
		10	SILTST: A/A, V. MICA i P.	
630	635	100	SST: A/A	A/A



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INTERVAL		%	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, etc.
from	to			
635	640	100	SST: A/A, com PITTED, FRSTD QTZ GRAINS, WL RND.	GD INF Ø.
640	645	90	SST: A/A PRED CLR-TRANSCNT, M-VF. AGGS WL CNT BY SIL & CALC, HP.	PR-NIL INF Ø No SHOW
		10	SILTST: DRK RD BAN, mica, v. SNDY IP, NON-CALC, BLOCKY-PLATEY-SB FISSILE, HARD	
645	650	60	SST: A/A, WL CNT AGGS.	A/A
		40	SILTST: A/A	
650	655	90	SST: 80% CLR-OFFWH, F+VF, MOD GDSTNG. WL RND-SUBANG, FROSTED IP, WL CNT BY SIL. 20% ORNG RED A/A. 20% GRAY RD - MOD DRK RD, FN-VFN, SUBANG, QTZ OUGRWTHS.	A/A
		10	SILTST: A/A, GRAY RED IP.	
655	660	100	SST: MOD RD ORNG, CLR, M-F, WL RND-SB ANG, WL STD, LSC CTTINGS,	PR-INF Ø No SHOW.
660	665	100	SST: A/A	A/A
665	670	100	SST: A/A, PRED M, WL RND.	A/A, PR-FRØ
670	675	100	SST: A/A PRED FINE	A/A

16

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# SAMPLE DESCRIPTION



WELL PALM VALLEY 10 LOCATION \_\_\_\_\_ ELEVATION \_\_\_\_\_ K.B. \_\_\_\_\_

17

INTERVAL		%	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, etc.
from	to			
675	680	100	SST: A/A.	A/A
680	685	100	SST: A/A	A/A
685	690	100	SST: A/A	NIL-PR & No Show
690	695	100	SST: A/A, Dom. m, WL STD.	A/A
695	700	100	SST: A/A	PR - GD INF. & N/S
700	705	100	SST: A/A	NIL-PR & N/S
705	710	100	SST: A/A, m-F, WL STD.	A/A
710	715	100	SST: A/A	GD-PR INF. &
715	720	100	SST: A/A	A/A
720	725	100	SST: A/A	A/A
725	730	90	SST: A/A	GD INF. & No Show
		10	SILTST: DRK RD BRN, ARG, BLOCKY, MIC.	
730	735	100	SST: A/A PRED WL RND-RND, MED	A/A
735	740	100	SST: A/A	A/A

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WELL PALM VALLEY - 10 LOCATION \_\_\_\_\_ ELEVATION \_\_\_\_\_ K.B. 18

INTERVAL		%	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, etc.
from	to			
740	745	100	SST: A/A MAINLY CLR.	A/A
745	750	100	SST: A/A	A/A
750	755	100	SST: A/A	A/A
755	760	100	SST: A/A W-COMM CRS, WL RND.	NIL-PR Ø N/S
760	765	100	SST: A/A, m-F	PR INF Ø
765	770	100	SST: A/A DOM OR RED.	GD INF Ø
770	775	100	SST: A/A	PR INF Ø
775	780	100	SST: A/A	A/A
780	785	100	SST: A/A BUT GEN F & INC CLR.	GD INF Ø
785	790	100	SST: A/A	PR INF Ø
790	795	100	SST: A/A	GD INF Ø
795	800	100	SST: A/A MAINLY PL ORNG.	A/A
800	805	100	SST: A/A, m, WL STD.	PR INF Ø No SHOW

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# SAMPLE DESCRIPTION



WELL PALM VALLEY - 10

LOCATION \_\_\_\_\_

ELEVATION \_\_\_\_\_

K.B. \_\_\_\_\_

19

INTERVAL		%	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, etc.
from	to			
805	810	100	SST: A/A BEC FINER	PR - FR INF Ø No SHW
810	815	100	SST: A/A	A/A
815	820	100	SST: A/A	PR - FR INF Ø
820	825	100	SST: A/A, GEN. MED.	A/A
825	830	100	SST: A/A	A/A
830	835	100	SST: A/A	A/A
835	840	100	SST: A/A	PR - FR Ø
840	845	100	SST: A/A	PR INF. Ø
845	850	100	SST: A/A MAINLY FINE.	A/A
850	855	100	SST: A/A	PR - FR INF. Ø
855	860	100	SST: A/A	PR - GD INF. Ø
860	865	100	SST: A/A	A/A
865	870	100	SST: A/A	PR INF. Ø

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# SAMPLE DESCRIPTION



WELL **PALM VALLEY - 10**

LOCATION \_\_\_\_\_

ELEVATION \_\_\_\_\_

K.B. \_\_\_\_\_

20

INTERVAL		%	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, etc.
from	to			
870	875	100	SST: MOD RD ORNG; F-OCC M; WL BND TO SBAND, OCC SUBANG; WL STD; FRSTD TO CLEAR QTZ GRNS; GEN LSE CFINGS ABNDNT QTZ OUGRWTHS,	GD INF. Ø
875	880	100	SST: A/A	A/A
880	885	100	SST: A/A	A/A
885	890	100	SST: A/A W-INC. MED.	A/A
890	895	100	SST: A/A MAINLY MEDIUM	A/A
895	900	100	SST: A/A	A/A
900	905	100	SST: A/A	PR-FR INF. Ø No SHOW
905	910	100	SST: A/A, F-m	A/A
910	915	100	SST: A/A	PR INF. Ø
915	920	100	SST: A/A + TRACES DSKY RD-CR, FN-OCC MED, SBAND, MINOR SILT MTX, QTZ OUGRWTHS, WL CNT BY SIL, PR STNG.	GD - PR-NIL, Ø No SHOW
920	925	100	SST: MOD ORNGE RD-CLR A/A.	PR INF. Ø.

# SAMPLE DESCRIPTION

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WELL PALM VALLEY - 10 LOCATION \_\_\_\_\_ ELEVATION \_\_\_\_\_ K.B. \_\_\_\_\_

21

INTERVAL		%	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, etc.
from	to			
925	930	100	SST: A/A, FINE, WL SORTED.	PR - GD INF Ø
930	935	100	SST: A/A.	A/A.
935	940	100	SST: A/A, INC WHT CALC (TRACE)	A/A FR. INF. Ø
940	945	100	SST: A/A INC. CLR QTZ.	FR. INF. Ø
945	950	100	SST: A/A	PR - FR INF. Ø
950	955	100	SST: A/A	PR INF. Ø, No SHOW
955	960	100	SST: A/A BUT PRED. CLR W-SUBORDINATE V. PL ORNG-PNK.	PR-NIL INF. Ø
960	965	100	SST: A/A, MAINLY MED.	A/A
965	970	100	SST: A/A, MAINLY CLR	PR INF. Ø
970	975	100	SST: A/A + Hvy TR. CRS.	PR - FR INF. Ø
975	980	100	SST: A/A. TR SILTST: DR RD BRN, MIC, BLOCKY, BRITTLE	A/A
980	985	100	SST: A/A + RR: MOD RD; m-F, SBEND - SBANG, PR STD, TR SILT MTX, GD SIL CNT & OVERWITHS, HD AGGS.	NIL Ø No SHOW

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# SAMPLE DESCRIPTION



WELL PALM VALLEY - 10 LOCATION \_\_\_\_\_ ELEVATION \_\_\_\_\_ K.B. 22

INTERVAL		%	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, etc.
from	to			
985	990	100	SST: CLR - PL OR A/A, MED-CRSE, WL RND - SUBRND, MOD SATD; TR MOD RD A/A + RR GRAYSH OLV GRN: VF, WL STD, CHLORITIC, MOD WL CNT BY SIL, HD. TR SILTST: DRK RD BRN A/A	NIL INF. Ø No SHOW
990	995	100	SST: A/A 50% PL OR.	NIL INF. Ø, N/S
995	1000	100	SST: 90% CLR, MED-VF, PREDF, OCC CRSE, PAL STD,	NIL INF. Ø, N/S
1000	1005	100	SST: A/A	A/A
1005	1010	100	SST: 40% GRAYSH OR, M-CRSE, WL-SBRND, PALY STD, MAINLY LSE, RR AGGR WL CNT BY SIL. TR SILTST: A/A.	A/A
1010	1015	100	SST: CLR, TRSCT, LSE FRACTD MED-CRSE, MAINLY FINE.	A/A
1015	1020	100	SST: 70% CLR A/A. 30% DSKY RED, F-VF, SBRND-SBRNG, PALY STD, RED SILT MTX, POORLY CNT, MOD FRBLE.	A/A BUT FR INF. Ø IN DSKY RED SST.
1020	1025	100	SST: PL RD BRN-CLR, F-VF, SBRND-SBRNG, MOD WL STD, LSE CTINGS, RR AGGR MOD FRBLE.	FR INF. Ø

# SAMPLE DESCRIPTION



WELL PALM VALLEY - 10 LOCATION \_\_\_\_\_ ELEVATION \_\_\_\_\_ K.B. \_\_\_\_\_

23

INTERVAL		%	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, etc.
from	to			
1025	1030	100	SST: A/A AGGS CLEAN MOD-WL CNT BY SIL, COMM QTZ OUGRWTHS,	No SHOW NIL INF & VIS.
1030	1035	100	SST: CLR-TRSLCT A/A VF-OCC CRS, MAINLY F + PL OR F-VCRST + RR PL GRN, CHLORITIC, F, MIC. WL CNT BY SIL, HARD HTR SILTST: DAK RD BRN, BLOCKY, MIC, BATT-HD	A/A
1035	1040	100	SST: WHT-CLR-TRSLCT, F-VF, PRED F, MOD WL STD, CLEAN, WL CNT BY SIL, HD.	NIL Ø N/S.
1040	1045	60	SST: MOD-DRK RD BRN, M-VFN, PRED F, PR STD, SILT MTRX PL GRN YLW MIC, MOD HD. 20% CLR, PL GRN, VPL OR A/A VF-MED.	NIL Ø. NIL-PR. INF. Ø
		40	SILTST: MOD-DRK RD BRN, ARG, SNDR, GRNG TO F SST ip. CALC, SL MIC, OCC PL GRN; FRBL- MOD HD, BLOCKY.	No SHOW.
1045	1050	100	SST: PL RD OR-CLR A/A; OCC WL AND CRS- SBAND VF, PRED FINE, LSE SHATTERED GRAINS, OCC FRSTD. TR SILTST: A/A.	NIL INF Ø
1050	1055	90	SST: MOD RD BRN, CLR, RR PL GRN, CLR A/A; RD BRN F-VF, SBAND-SBAND MOD WL STD; SILTY MTRX, FRM-MOD HD.	NIL INF. Ø No SHOW
		10	SILTST: A/A.	



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# SAMPLE DESCRIPTION



WELL **PALM VALLEY - 10**

LOCATION \_\_\_\_\_

ELEVATION \_\_\_\_\_

K.B. \_\_\_\_\_

24

INTERVAL		%	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, etc.
from	to			
1055	1060	60	SST: A/A PRE D MOD RD BRN GRDING TO	NIL Ø, No S/HW
			SILTST. RR: SIDERITIC SST: PL DUGRA, VFN, HD, CHOK	A/A
		40	SILTST: MOD-DRK RED BRN A/A, REC DOL	
1060	1065	30	A/A	NIL Ø, N/S
		70	SILTST: A/A V.CALLC i.p.	
1065	1070	20	SST: DRK RD BRN, OCC WHITE, VF-F, WL CMT.	NIL Ø. N/S
		80	SILTST: A/A GRDING TO VF SST	
1070	1075	10	SST: A/A	NIL Ø, N/S
		90	SILTST: A/A	
1075	1080	50	SST: MOD RD BRN, VF-F, SBAND, WL-MOD	NIL Ø, N/S
			WL STD, SILTY MTRX, PRLY CMTD, DOLOMITIC.	
		50	SILTST: A/A, V.CALLC i.p, BLOCKY, HD	
1080	1085	20	SST: A/A	A/A
		80	SILTST: A/A INC. GREEN	
1085	1090	10	SST: A/A VARYING BETWEEN GRY GRN & <sup>DRK RED</sup> BRN	A/A
		90	SILTST: A/A, Waxy LUSTRE, SUBFISILE i.p.	
1090	1095	90	SST: CLR, TRSUCT, M-VF, PRE D F, SBAND-	NIL Ø
			SUBANG, PR-MOD WL STD, CLEAN, QTZ OUGRWTHS,	No S/HW.
			TR DOL CMT, GEN GD SILCMT, HD-MOD HD.	

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# SAMPLE DESCRIPTION



WELL PALM VALLEY - 10 LOCATION \_\_\_\_\_ ELEVATION \_\_\_\_\_ K.B. 25

INTERVAL		%	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, etc.
from	to			
		10	SILTST: AS ABOVE BLOCKY - SUB FISSILE	
1095	1100	90	SST: A/A W/ INC. FLOR RED, SBAND QTZ.	NIL Ø, No SHAW.
		10	SILTST: A/A	
1100	1105	50	SST: A/A BEC DSKY RED - LIGHT RED, CALC. P.	NIL Ø, No SHAW.
		50	SILTST: RD BRN - OLV GRN A/A, V. SNDY IP.	
1105	1110	40	SST: A/A, FEW AGGREGATES	NIL INF. Ø
		60	SILTST: A/A	N/S.
1110	1115	30	SST: A/A	A/A
		70	SILTST: A/A, LGE MICA COMMON.	
1115	1120	20	SST: A/A	A/A
		80	SILTST: A/A	
1120	1125	10	SST: A/A	A/A
		90	SILTST: A/A	
1125	1130	20	SST: A/A	A/A
		80	SILTST: A/A	
1130	1135	10	SST: A/A	A/A
		90	SILTST: A/A	

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# SAMPLE DESCRIPTION



WELL **PALM VALLEY - 10**

LOCATION \_\_\_\_\_

ELEVATION \_\_\_\_\_

K.B.  
26

INTERVAL		%	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, etc.
from	to			
1135	1140	TR	SST: A/A	
		100	SILTST: A/A BEC BRN GRAY IP, AREN, SILICEOUS	
			PLATEY - SPUNTERY, BRITTLE, DOLOMITIC.	
1140	1145	100	SILTST: A/A	
1145	1150	100	SILTST: A/A GRADING TO VF SST IP.	
1150	1155	10	SST: CLR, VF, SRAND, WL STD, MOD SIL CNT, HD- <sup>FABE</sup>	NIL - PR INF. Ø.
		90	SILTST: GRADATIONAL BETWEEN MOD RED BRN -	
			GRY OLIVE GREEN - BAN GREY; MAINLY SILICEOUS,	
			CHLORITIC, OCC F - VF SAND GRAINS, MICR MICA,	
			SL - MOD DOL; BRITTLE - HD, PLATEY - BLOCKY	
1155	1160	100	SILTST: MAINLY MOD RD BRN A/A.	
1160	1165	100	SILTST: A/A	
1165	1170	100	SILTST: A/A	
1170	1175	100	SILTST: A/A	
1175	1180	100	SILTST: A/A	
1180	1185	100	SILTST: A/A	

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# SAMPLE DESCRIPTION



WELL PALM VALLEY - 10 LOCATION \_\_\_\_\_ ELEVATION \_\_\_\_\_ K.B. 27

INTERVAL		%	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, etc.
from	to			
1185	1190	100	SILTST: A/A	
		HTR	SST: CLR, VF, SUBAND, CLEAN WL SRTD AGGS.	NIL Ø.
			NO VIS Ø, MOD HTD	
1190	1195	100	SILTST: A/A	
1195	1200	100	SILTST: A/A	
1200	1205	100	SILTST: A/A	
1205	1210	100	SILTST: A/A	
1210	1215	100	SILTST: A/A PRED MOD RD BRN	
1215	1220	100	SILTST: A/A	
1220	1225	100	SILTST: A/A	
1225	1230	100	SILTST: A/A	
1230	1235	100	SILTST: A/A	
1235	1240	100	SILTST: A/A	
1240	1245	100	SILTST: A/A	

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# SAMPLE DESCRIPTION



WELL PALM VALLEY - 10 LOCATION \_\_\_\_\_ ELEVATION \_\_\_\_\_ K.B. 28

INTERVAL		%	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, etc.
from	to			
1245	1250	100	SILTST: A/A	
1250	1255	100	SILTST: A/A	
1255	1260	100	SILTST: A/A	
			TRACES LIMESTONE: WHIT, TRSLGNT, BRTR	
1260	1265	100	SILTST: A/A	
1265	1270	100	SILTST: A/A	
1270	1275	100	SILTST: A/A	
1275	1280	100	SILTST: A/A	
1280	1285	100	SILTST: A/A	
1285	1290	100	SILTST: A/A	
1290	1295	100	SILTST: A/A	
1295	1300	100	SILTST: A/A	
1300	1305	100	SILTST: A/A	
1305	1310	100	SILTST: A/A	

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# SAMPLE DESCRIPTION



WELL PALM VALLEY - 10 LOCATION \_\_\_\_\_ ELEVATION \_\_\_\_\_ K.B. \_\_\_\_\_

29

INTERVAL		%	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, etc.
from	to			
1310	1315	100	SILTST: A/A	
1315	1320	100	SILTST: A/A	
1320	1325	100	SILTST: A/A	
1325	1330	100	SILTST: A/A, V.CALC I.P.	
1330	1335	100	SILTST: A/A	
1335	1340	100	SILTST: A/A	
1340	1345	100	SILTST: A/A, SLIGHT INC. IN OLW GRN. HTR LIMEST: LT GRNISH GRAY, TRSLET; MICRXTEN, HARD.	
1345	1350	100	SILTST: A/A HTR LIMST: A/A, SILTY I.P.	
1350	1355	90	SILTST: A/A	
		10	LIMST: GR OR PNK, LT GRNISH GRAY, WHT; BLOCKY, SUCROSIC, MICRXTEN, SILTY I.P. H.D.	
1355	1360	80	SILTST: A/A	
		20	LIMST: A/A PRED PALE RED.	
1360	1365	80	SILTST: A/A, TR GRNISH BROWN, V.CALC.	
		20	LIMST: A/A	

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# SAMPLE DESCRIPTION



WELL PALM VALLEY - 10

LOCATION \_\_\_\_\_

ELEVATION \_\_\_\_\_

K.B. \_\_\_\_\_

30

INTERVAL		%	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, etc.
from	to			
1365	1370	80	SILTST: A/A	
		20	LIMST: A/A	
1370	1375	90	SILTST: A/A	
		10	LIMST: A/A w/ PL-MOD RED AND PL PINK CALC, CRSLY XTEN, HD.	
1375	1380	90	SILTSTONE: MAINLY GRYSH RED, MIC IP., OCC VARIEGATED PL OLV GRN, OCC GRY GRN, SL CALC.	
		10	LIMST: A/A	
1380	1385	80	SILTST: GRYSH RED A/A	
		20	LIMST: GRN GRY, MIXTEN, BLOCKY, HARD	
1385	1390	80	SILTST: MED GRY, BLOCKY, CALC-DOL, HD	
		20	LIMST: MED GRY, BLOCKY, MIXTEN-CRXTEN	
1390	1395	50	SILTST: A/A BEC MED DRK GRY.	
		50	LIMST: A/A BEC LT GRNISH GRY, V. SILTY IP.	
1395	1400	50	SILTST: A/A	
		50	LIMST: A/A	
1400	1405	30	SILTST: A/A	
		70	LIMST: A/A	

## SAMPLE DESCRIPTION

WELL PALM VALLEY - 10

LOCATION \_\_\_\_\_

ELEVATION \_\_\_\_\_

K.B. \_\_\_\_\_

31

INTERVAL		%	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, etc.
from	to			
1405	1410	50	SILTST: A/A, GRYSH OLV GRN, CALC	
		50	LIMST: A/A, GRYSH OLV GRN, SILTY	
1410	1415	50	SILTST: A/A	
		50	LIMST: A/A	
1415	1420	20	SST: PLOLV GRN, CLR; VF-F, MOD SRTD, CHLORITIC, STANG CALC-DOL CNT, BLOCKY, HARD	NIL Ø No SHOW
		40	SILTST: A/A	
		40	LIMST: A/A	
1420	1425	40	SST: A/A, MOD HD	A/A.
		30	SILTST: A/A	
		30	LIMST: A/A	
1425	1430	70	SST: PLOLV GRN, TRSLCT, F-VF, PRLY STD, OCC MED, SRND, SBANG, CLEAN, CHLORITIC i.p., GD DOL & SIL CNT, HD.	No Ø No SHOW.
		30	LIMEST: PLOLV GRN, TRSLCNT, CRS-MICXTN, SILTY-SNDY i.p., HARD.	
		HTR	SILTST: A/A	
1430	1435	70	SST: A/A, PRED USE, MED-CRSE, RND.	NIL Ø, No SHOW
		30	LIMST: A/A	



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# SAMPLE DESCRIPTION



WELL PALM VALLEY - 10 LOCATION \_\_\_\_\_ ELEVATION \_\_\_\_\_ K.B. 32

INTERVAL		%	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, etc.
from	to			
1435	1440	50	SST: CLR, TRSLCT - V. PL OLUGRN; F-VF, SBAND, WLSTD, CLEAN - OCC CHLORITE; WELL CNT - MOD FRBLE, CALC CNT RR: MOD RD BAN, MED, RND-SBAND, WLSTD, PRLY CNT	NIL-PR Ø, N <sub>2</sub> SHOW FR-LED INF. Ø.
		20	LIMST: A/A	
		30	SILTST: VARIEGATED RED BAN-OLUGREEN, REC BLKSH RED, SANDY IP, DOLOM, BCKY, MOD FRM-HD.	
1440	1445	40	SST: A/A CLR, WL STD, CLEAN.	A/A
		40	SILTST: A/A REC DUSKY YELLOWISH BROWN, DOLOMITIC, BLOCKY, HD.	
		20	LIMST: A/A, PRED TRSLCNT.	
1445	1450	80	SST: CLR <sup>PL OLUGRN,</sup> FRSTD; VCRSE-VF, PRED MED SHATTERED GRAINS; PRLY STD, RND. SUBAND; GEN LSE, CLEAN AGGS WL CNT BY DOL, HD.	PR-NIL INF Ø
		10	SILTST: A/A	
		10	LIMST: A/A.	
1450	1455	90	SST: A/A	
		10	SILTST: DSKY YLLW BN A/A, V. MIC IP.	
		HTR	LIMST:	

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# SAMPLE DESCRIPTION



WELL PALM VALLEY - 10 LOCATION \_\_\_\_\_ ELEVATION \_\_\_\_\_ K.B.

INTERVAL		%	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, etc.
from	to			
1455	1460	100	SST: <u>LSE</u> , CLR-TRSLCT; V.CRS-F; WL RND- SBAND, V. PLY STD. AGGS: PL YLW PL ORNGE, CLR-TRSLCT; F-VF, OCC MED; RND, WL STD, CLEAN, MOD STRNG- STRNG CALC CMT; MOD FRBL- HARD TR SILTST: GRY GRN, SILICEOUS, BLOCKY HARD,	NIL Ø, No SHOW
1460	1465	90	SST: A/A	A/A
		10	SILTST: BCK GRY, GRN GRY, DOLOMITIC, HARD.	
1465	1468	90	SST: A/A	
		10	SILTST: A/A.	
1468	1469.5	95	SST: CLR-WH-V. PL PMV + INUSK GY, V FINE - FINE GRND, WELL SORTED, RND W/ ANG AUTHEGENIC O'GROWTH, WELL DEVELOPED SILICEOUS CMT, TR BLK CARB MAT. CLEAN	NIL Ø
		5	SILTST: A/A.	
1469.5	1475	100	SST: A/A	
		TR	SILTST: A/A.	

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# SAMPLE DESCRIPTION



WELL **PALM VALLEY - 10**

LOCATION \_\_\_\_\_

ELEVATION \_\_\_\_\_

K.B. \_\_\_\_\_

INTERVAL		%	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, etc.
from	to			
1475	1480	90	SANDSTONE: CLEAR-WH - V. PL GY, VFN GRND, WELL SORTED, SUB RND - RND W/ ANG ARTIFICIAL O'GROWTH, WELL CEMENTED W/ SILICA, OCC BRUSH GY MOTTUNG (PHOSPHATIC)	NIL VIS $\phi$
		10	SILTSTONE: MEDIUM-DARK GREY - GREENISH GREY, HARD, SPLINTERY - FISSILE, SANDY I/P, PART AS PELECYPOD FRAGMENTS, PHOSPHATIC? TR MICACEOUS.	
1480	1485	90	SANDSTONE: AA.	
		10	SILTSTONE: AA.	
1485	1490	60	SANDSTONE: AA.	
		40	SILTSTONE: AA.	
1490	1495	65	SANDSTONE: PALE - MEDIUM GREY, VERY FN - FN, WELL SORTED, ABUNDANT PL - MED BRUSH GY PHOSPHATIC MATERIAL. TR PYRITE DISSEMIN, SUB RND W/ ANG ARTIFICIAL O'GROWTH, SILTY I/P.	NIL VIS $\phi$
		35	SILTSTONE: AA. TR PYRITE DISSEMIN	
1495	1500	55	SANDSTONE: AS ABOVE	NIL VIS $\phi$
		45	SILTSTONE: AS ABOVE	

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**CUTTINGS DESCRIPTION SHEET**

Page 1

**WELL:** Palm Valley #10  
**PERMIT:** O.L. 3 NT  
**GEOLOGIST:** C. Higgins

DEPTH (mKB)	L I T H (%)	SAMPLE DESCRIPTION	OIL & GAS INDICATIONS, POROSITY, ETC.
1500-1505	70	Sandstone: Pale to medium grey, very fine to fine grained, well sorted, sub rounded to rounded, with angular authigenic overgrowth, abundant pelecypod fragments, abundant brownish grey phosphatic material, trace pyrite disseminations, well developed siliceous cement.	Nil
	30	Siltstone: Medium to dark grey to greenish grey, hard, splintery to fissile, sandy in part, trace pelecypod fragments, trace micromicaceous.	
1505-1510	70	Sandstone: Pale to medium grey, very fine to fine grained, well sorted, sub rounded to rounded, with angular authigenic overgrowth, abundant pelecypod fragments, abundant brownish grey phosphatic material, trace pyrite disseminations, well developed siliceous cement.	Nil
	30	Siltstone: Medium to dark grey to greenish grey, hard, splintery to fissile, sandy in part, trace pelecypod fragments, trace micromicaceous.	
1510-1515	40	Sandstone: Pale to medium grey, very fine to fine grained, well sorted, sub rounded to rounded, with angular authigenic overgrowth, abundant pelecypod fragments, abundant brownish grey phosphatic material, trace pyrite disseminations, well developed siliceous cement.	Nil
	60	Siltstone: Medium to dark grey to greenish grey, hard, splintery to fissile, sandy in part, trace pelecypod fragments, trace micromicaceous, grades to trace shale.	
1515-1520	45	Sandstone: Pale to medium grey, very fine to fine grained, well sorted, sub rounded to rounded, with angular authigenic overgrowth, abundant pelecypod fragments, abundant brownish grey phosphatic material, trace pyrite disseminations, well developed siliceous cement.	Nil
	55	Siltstone: Medium to dark grey to greenish grey, hard, splintery to fissile, sandy in part, trace pelecypod fragments, trace micromicaceous, grades to trace shale.	

1520-1525	50	Sandstone: Pale to medium grey, very fine to fine grained, well sorted, sub rounded to rounded, with angular authigenic overgrowth, abundant pelecypod fragments, abundant brownish grey phosphatic material, trace pyrite disseminations, well developed siliceous cement.	No shows
	50	Siltstone: Medium to dark grey to greenish grey, hard, splintery to fissile, sandy in part, trace pelecypod fragments, trace micromicaceous, grades to shale in part.	
1525-1530	70	Sandstone: White to very pale grey, very fine to fine grained, well sorted, sub rounded with angular authigenic overgrowth, trace pyrite disseminations, well developed siliceous cement, nil visible porosity.	No shows
	30	Siltstone: Medium to dark grey, hard, splintery to blocky, micromicaceous, grades to shale in part.	
1530-1535	85	Sandstone: White to very pale grey and pale green/pale pink, very fine to fine grained, well sorted, sub rounded with angular authigenic overgrowth, trace pyrite disseminations, well developed siliceous cement, nil visible porosity.	No shows
	15	Siltstone: Medium to dark grey and pale to medium greyish green, hard, splintery to blocky, micromicaceous, grades to shale in part.	
1535-1540	90	Sandstone: White to very pale grey and pale green/pale pink, very fine to fine grained, well sorted, sub rounded with angular authigenic overgrowth, trace pyrite disseminations, well developed siliceous cement, nil visible porosity.	No shows
	10	Siltstone: Medium to dark grey and pale to medium greyish green and minor oxidised reddish brown, hard, splintery to blocky, micromicaceous, grades to shale in part.	
1540-1545	90	Sandstone: White to very pale grey and pale green/pale pink, very fine to fine grained, well sorted, sub rounded with angular authigenic overgrowth, trace pyrite disseminations, well developed siliceous cement, nil visible porosity.	No shows
	10	Siltstone: Medium to dark grey and pale to medium greyish green and minor oxidised reddish brown, hard, splintery to blocky, micromicaceous, grades to shale in part.	
1545-1550	85	Sandstone: White to very pale grey and pale green/pale pink, very fine to fine grained, well sorted, sub rounded with angular authigenic overgrowth, trace pyrite disseminations, well developed siliceous cement, nil visible porosity.	Abundant reduction/oxidation No shows
	15	Siltstone: Medium grey and pale to medium greyish green and oxidised reddish brown/brownish grey mottled, hard, splintery to blocky, micromicaceous, grades to shale in part.	

1550-1555	60	Sandstone: White to very pale grey and pale-medium green/pink, very fine to fine grained, well sorted, sub rounded with angular authigenic overgrowth, trace pyrite disseminations, well developed siliceous cement, nil visible porosity.	No shows
	30	Siltstone: Medium grey and pale to medium greyish green and oxidised reddish brown/brownish grey mottled, hard, splintery to blocky, micromicaceous, grades to shale in part.	
	10	Shale: Medium reddish brown and greyish green, hard, fissile to splintery, mottled in part, micromicaceous, grades to siltstone in part.	
1555-1560	70	Sandstone: White to very pale grey and pale-medium green/pink, very fine to fine grained, well sorted, sub rounded with angular authigenic overgrowth, trace pyrite disseminations, well developed siliceous cement, nil visible porosity.	No shows
	20	Siltstone: Medium grey and pale to medium greyish green and oxidised reddish brown/brownish grey mottled, hard, splintery to blocky, micromicaceous, grades to shale in part.	
	10	Shale: Medium reddish brown and greyish green, hard, fissile to splintery, mottled in part, micromicaceous, grades to siltstone in part.	
1560-1565	80	Sandstone: White to very pale grey, very fine to fine grained, well sorted, sub rounded to rounded with angular authigenic overgrowth, minor black carbonaceous pelecypod fragments and stylolitic banding, trace rose quartz, nil visible porosity.	No shows
	20	Siltstone: Dark grey, trace reddish brown, hard, splintery to sub fissile, micromicaceous, trace pyritic.	
	TR	Shale: Dark grey to black, hard, fissile to splintery, micromicaceous, grades to siltstone in part.	
1565-1570	80	Sandstone: White to very pale grey, very fine to fine grained, well sorted, sub rounded to rounded with angular authigenic overgrowth, minor black carbonaceous pelecypod fragments and stylolitic banding, trace rose quartz, nil visible porosity.	No shows
	20	Siltstone: Dark grey, hard, splintery to sub fissile, micromicaceous, trace pyritic.	
	TR	Shale: Dark grey to black, hard, fissile to splintery, micromicaceous, grades to siltstone in part.	
1570-1575	80	Sandstone: White to very pale grey, very fine to fine grained, well sorted, sub rounded to rounded with angular authigenic overgrowth, minor black carbonaceous pelecypod fragments and stylolitic banding, trace rose quartz, pyrite nodules, nil visible porosity.	No shows
	20	Siltstone: Dark grey, hard, splintery to sub fissile, micromicaceous, trace pyritic.	
	TR	Shale: Dark grey to black, hard, fissile to splintery, micromicaceous, grades to siltstone in part.	
1575-1580	55	Sandstone: White to very pale grey, very fine to fine grained, well sorted, sub rounded to rounded with angular authigenic overgrowth, minor black carbonaceous pelecypod fragments and stylolitic banding, trace rose quartz, pyrite nodules, nil visible porosity.	No shows
	45	Siltstone: Dark grey, hard, splintery to sub fissile, micromicaceous, trace pyritic, phosphatic in part.	
	TR	Shale: Dark grey to black, hard, fissile to splintery, micromicaceous, grades to siltstone in part.	

1580-1585	50	Sandstone: White to medium grey, very fine to fine grained, well sorted, sub rounded to rounded with angular authigenic overgrowth, minor black carbonaceous pelecypod fragments and stylolitic banding, trace rose quartz, pyrite nodules, nil visible porosity.	No shows
	50	Siltstone: Dark grey, hard, splintery to sub fissile, micomicaceous, trace pyritic, phosphatic in part.	
	TR	Shale: Dark grey to black, hard, fissile to splintery, micromicaceous, grades to siltstone in part.	
1585-1590	50	Sandstone: White to medium grey, very fine to fine grained, well sorted, sub rounded to rounded with angular authigenic overgrowth, minor black carbonaceous pelecypod fragments and stylolitic banding, pyrite nodules, nil visible porosity.	No shows
	50	Siltstone: Dark grey, hard, splintery to sub fissile, micomicaceous, trace pyritic, phosphatic in part.	
	TR	Shale: Dark grey to black, hard, fissile to splintery, micromicaceous, grades to siltstone in part.	
1590-1595	50	Sandstone: White to medium grey, very fine to fine grained, well sorted, sub rounded to rounded with angular authigenic overgrowth, minor black carbonaceous pelecypod fragments and stylolitic banding, pyrite nodules, nil visible porosity.	No shows
	40	Siltstone: Dark grey, hard, splintery to sub fissile, micomicaceous, trace pyritic, phosphatic in part.	
	10	Shale: Dark grey to black, hard, fissile to splintery, micromicaceous, grades to siltstone in part.	
1595-1600	50	Sandstone: White to medium grey, very fine to fine grained, well sorted, sub rounded to rounded with angular authigenic overgrowth, minor black carbonaceous pelecypod fragments and stylolitic banding, pyrite nodules and disseminations, nil visible porosity.	No shows
	45	Siltstone: Dark grey, hard, splintery to sub fissile, micomicaceous, trace pyritic, phosphatic in part.	
	5	Shale: Dark grey to black, hard, fissile to splintery, micromicaceous, grades to siltstone in part.	
1600-1605	50	Sandstone: White to medium grey, very fine to fine grained, well sorted, sub rounded to rounded with angular authigenic overgrowth, minor black carbonaceous pelecypod fragments and stylolitic banding, pyrite nodules and disseminations, nil visible porosity.	No shows
	45	Siltstone: Dark grey, hard, splintery to sub fissile, micomicaceous, trace pyritic, phosphatic in part.	
	5	Shale: Dark grey to black, hard, fissile to splintery, micromicaceous, grades to siltstone in part.	
1605-1610	40	Sandstone: White to medium grey, very fine to fine grained, well sorted, sub rounded to rounded with angular authigenic overgrowth, minor black carbonaceous pelecypod fragments and stylolitic banding, pyrite nodules and disseminations, nil visible porosity.	No shows
	55	Siltstone: Dark grey, hard, splintery to sub fissile, micomicaceous, trace pyritic, phosphatic in part.	
	5	Shale: Dark grey to black, hard, fissile to splintery, micromicaceous, grades to siltstone in part.	

1610-1615	60	Sandstone: White to medium grey, very fine to fine grained, well sorted, sub rounded to rounded with angular authigenic overgrowth, minor black carbonaceous pelecypod fragments and stylolitic banding, pyrite nodules and disseminations, nil visible porosity.	
	40	Siltstone: Dark grey, hard, splintery to sub fissile, micromicaceous, trace pyritic, phosphatic in part.	
	TR	Shale: Dark grey to black, hard, fissile to splintery, micromicaceous, grades to siltstone in part.	
1615-1620	45	Sandstone: White to medium grey, very fine to fine grained, well sorted, sub rounded to rounded with angular authigenic overgrowth, minor black carbonaceous pelecypod fragments and stylolitic banding, pyrite nodules and disseminations, nil visible porosity.	
	55	Siltstone: Dark grey, hard, splintery to sub fissile, micromicaceous, trace pyritic, phosphatic in part.	
	TR	Shale: Dark grey to black, hard, fissile to splintery, micromicaceous, grades to siltstone in part, sheared and slickensided in part.	
1620-1625	45	Sandstone: White to medium grey, very fine to fine grained, well sorted, sub rounded to rounded with angular authigenic overgrowth, minor black carbonaceous pelecypod fragments and stylolitic banding, pyrite nodules and disseminations, nil visible porosity.	
	55	Siltstone: Dark grey, hard, splintery to sub fissile, micromicaceous, trace pyritic, phosphatic in part.	
	TR	Shale: Dark grey to black, hard, fissile to splintery, micromicaceous, grades to siltstone in part, sheared and slickensided in part.	
1625-1630	60	Sandstone: White to medium grey, very fine to fine grained, well sorted, sub rounded to rounded with angular authigenic overgrowth, minor black carbonaceous pelecypod fragments and stylolitic banding, pyrite nodules and disseminations, nil visible porosity.	
	40	Siltstone: Dark grey, hard, splintery to sub fissile, micromicaceous, trace pyritic, phosphatic in part.	
	TR	Shale: Dark grey to black, hard, fissile to splintery, micromicaceous, grades to siltstone in part, sheared and slickensided in part.	
1630-1635	60	Sandstone: White to pale and medium grey and greenish grey, trace dark grey, very fine - fine grained, subrounded -rounded, angular authigenic overgrowth, common black carbonaceous pelecypod fragments, abundant phosphatic material, trace stylolitic partings, pyrite nodules and disseminations, nil visible porosity.	
	35	Siltstone: Dark grey - black, hard - moderately hard, blocky - sub fissile, pyrite disseminations, as stylolitic drapes in part, trace phosphatic.	
	5	Shale: Dark grey to black, hard, fissile to splintery, micromicaceous, grades to siltstone in part, sheared and slickensided in part.	



1635-1640	60	Sandstone: White to pale and medium grey and greyish green, trace dark grey, very fine - fine grained, subrounded -rounded, angular authigenic overgrowth, trace black carbonaceous pelecypod fragments, rare phosphatic material, trace stylolitic partings, pyrite nodules and disseminations, nil visible porosity.	
	35	Siltstone: Dark grey - black, hard - moderately hard, blocky - sub fissile, pyrite disseminations, as stylolitic drapes in part.	
	5	Shale: Dark grey to black, hard, fissile to splintery, micromicaceous, grades to siltstone in part, sheared and slickensided in part.	
1640-1645	80	Sandstone: Very pale to medium grey and greyish green with minor pale pink oxidised material, very fine - fine grained, subrounded -rounded, angular authigenic overgrowth, trace black carbonaceous pelecypod fragments, rare phosphatic material, trace stylolitic partings, pyrite nodules and disseminations, nil visible porosity.	
	20	Siltstone: Dark grey - black, hard - moderately hard, blocky - sub fissile, pyrite disseminations, as stylolitic drapes in part.	
	TR	Shale: Dark grey to black, hard, fissile to splintery, micromicaceous, grades to siltstone in part, sheared and slickensided in part.	
1645-1650	90	Sandstone: Very pale to medium grey and greyish green with minor pale pink oxidised material, very fine - fine grained, subrounded -rounded, angular authigenic overgrowth, trace black carbonaceous pelecypod fragments, rare phosphatic material, trace stylolitic partings, pyrite nodules and disseminations, nil visible porosity.	
	10	Siltstone: Dark grey - black, hard - moderately hard, blocky - sub fissile, pyrite disseminations, as stylolitic drapes in part.	
	TR	Shale: Dark grey to black, hard, fissile to splintery, micromicaceous, grades to siltstone in part, sheared and slickensided in part.	
1650-1655	90	Sandstone: Very pale to medium grey and greyish green with minor pale pink oxidised material, very fine - fine grained, subrounded -rounded, angular authigenic overgrowth, trace black carbonaceous pelecypod fragments, rare phosphatic material, trace stylolitic partings, pyrite nodules and disseminations, nil visible porosity.	
	10	Siltstone: Dark grey - black, hard - moderately hard, blocky - sub fissile, pyrite disseminations, as stylolitic drapes in part.	
	TR	Shale: Dark grey to black, hard, fissile to splintery, micromicaceous, grades to siltstone in part, sheared and slickensided in part.	

1655-1660	90	Sandstone: White - very pale to medium grey and greyish green with minor pale pink oxidised material, very fine - fine grained, subrounded -rounded, angular authigenic overgrowth, trace black carbonaceous pelecypod fragments, rare phosphatic material, trace stylolitic partings, pyrite nodules and disseminations, nil visible porosity.	
	10	Siltstone: Dark grey - black, hard - moderately hard, blocky - sub fissile, pyrite disseminations, as stylolitic drapes in part.	
	TR	Shale: Dark grey to black, hard, fissile to splintery, micromicaceous, grades to siltstone in part, sheared and slickensided in part.	
1660-1665	90	Sandstone: White - very pale to medium grey and greyish green with minor pale pink oxidised material, very fine - fine grained, subrounded -rounded, angular authigenic overgrowth, trace black carbonaceous pelecypod fragments, rare phosphatic material, trace stylolitic partings, pyrite nodules and disseminations, nil visible porosity.	
	10	Siltstone: Dark grey - black, hard - moderately hard, blocky - sub fissile, pyrite disseminations, as stylolitic drapes in part.	
	TR	Shale: Dark grey to black, hard, fissile to splintery, micromicaceous, grades to siltstone in part, sheared and slickensided in part.	
1665-1670	95	Sandstone: Pale - medium grey to reddish brown and pink, minor pale greyish green, very fine to fine grained, subangular to subrounded, well sorted, siliceous overgrowth, trace black pelecypod fragments, minor pyrite, nil - trace visible porosity.	Top Lower Stairway Sandstone @ 1665 m associated with gas increase to 42 units whilst circulating. 2 minute flare after trip at 1671 m.
	5	Siltstone: Medium - dark grey - black, trace reddish brown, hard, blocky - splintery, sandy in part.	
1670-1675	85	Sandstone: White -pale grey with minor reddish brown and pale greyish green, very fine to fine grained, subangular to subrounded, well sorted, siliceous overgrowth, trace black pelecypod fragments, minor pyrite, nil - trace visible porosity.	
	10	Siltstone: Medium - dark grey - black, hard, blocky - splintery, sandy in part, as stylolitic partings in part.	
	5	Shale: Black - very dark grey, hard, fissile - splintery, very fine sandstone interlamination, trace pyrite.	
1675-1680	100	Sandstone: White -pale grey, clean, very fine to fine grained, subangular to subrounded, well sorted, siliceous overgrowth, trace black pelecypod fragments, minor pyrite, nil - trace visible porosity.	
	TR	Siltstone: Medium - dark grey - black, hard, blocky - splintery, sandy in part, as stylolitic partings in part.	
	TR	Shale: Black - very dark grey, hard, fissile - splintery, very fine sandstone interlamination, trace pyrite.	
1680-1685	95	Sandstone: White -pale grey, clean, very fine to fine grained, subangular to subrounded, well sorted, siliceous overgrowth, trace black pelecypod fragments, minor pyrite, nil - trace visible porosity.	
	5	Siltstone: Medium - dark grey - black, hard, blocky - splintery, sandy in part, as stylolitic partings in part.	
	TR	Shale: Black - very dark grey, hard, fissile - splintery, very fine sandstone interlamination, trace pyrite.	

1685-1690	100  TR	Sandstone: White - pale green - very pale pink, very fine with occasional medium grains, bimodal grain size distribution, well sorted, subrounded with angular quartz overgrowth, patchy reduction/oxidation patterning, trace fine black pelecypod fragments and shaly stylolitic material, nil - trace visible porosity. Siltstone: Medium - dark grey - black, hard, blocky - splintery, sandy in part, as stylolitic partings in part.	
1690-1695	100  TR	Sandstone: White - pale green - trace very pale pink, very fine with occasional medium grains, bimodal grain size distribution, well sorted, subrounded with angular quartz overgrowth, patchy reduction/oxidation patterning, trace fine black pelecypod fragments and shaly stylolitic material, nil - trace visible porosity. Siltstone: Medium - dark grey - black, hard, blocky - splintery, micaceous, sandy in part, as stylolitic partings in part.	
1695-1700	100  TR	Sandstone: White - pale green - trace very pale pink, very fine with occasional medium grains, bimodal grain size distribution, well sorted, rounded - subrounded with angular quartz overgrowth, patchy reduction/oxidation patterning, trace fine black pelecypod fragments and shaly stylolitic material, nil - trace visible porosity. Siltstone: Medium - dark grey - black, hard, blocky - splintery, micaceous, sandy in part, as stylolitic partings in part.	
1700-1705	100  TR	Sandstone: White - pale green - trace very pale pink, very fine with occasional medium grains, bimodal grain size distribution, well sorted, rounded - subrounded with angular quartz overgrowth, patchy reduction/oxidation patterning, trace fine black pelecypod fragments and shaly stylolitic material, nil - trace visible porosity. Siltstone: Medium - dark grey - black, hard, blocky - splintery, micaceous, sandy in part, as stylolitic partings in part.	
1705-1710	100  TR	Sandstone: White - pale green - trace very pale pink, very fine with occasional medium and coarse well rounded grains, bimodal grain size distribution, well sorted, rounded - subrounded with angular quartz overgrowth, patchy reduction/oxidation patterning, trace fine black pelecypod fragments and shaly stylolitic material, trace visible porosity, becoming increasingly phosphatic. Siltstone: Medium - dark grey - brnsh grey, hard, blocky - splintery, micaceous, sandy in part, as stylolitic partings in part.	
1710-1715	90  10	Sandstone: White - pale green - trace very pale pink, very fine with occasional medium and coarse well rounded grains, bimodal grain size distribution, well sorted, rounded - subrounded with angular quartz overgrowth, patchy reduction/oxidation patterning, trace fine black pelecypod fragments and shaly stylolitic material, trace visible porosity, becoming increasingly phosphatic. Siltstone: Medium - dark grey - brnsh grey, hard, blocky - splintery, micaceous, sandy in part, as stylolitic partings in part.	

1715-1720	90	Sandstone: White - pale green - trace very pale pink, very fine with occasional medium and coarse well rounded grains, bimodal grain size distribution, well sorted, rounded - subrounded with angular quartz overgrowth, patchy reduction/oxidation patterning, trace fine black pelecypod fragments and shaly stylolitic material, trace visible porosity, becoming increasingly phosphatic.	
	10	Siltstone: Medium - dark grey - brnsh grey, hard, blocky - splintery, micaceous, sandy in part, as stylolitic partings in part.	
1720-1725	60	Sandstone: Pale grey - pale green - trace very pale pink, very fine with occasional medium and coarse well rounded grains, bimodal grain size distribution, well sorted, rounded - subrounded with angular quartz overgrowth, patchy reduction/oxidation patterning, trace fine black pelecypod fragments and shaly stylolitic material, trace visible porosity, becoming increasingly phosphatic.	
	35	Siltstone: Medium - dark grey - brnsh grey, hard, blocky - splintery, micaceous, sandy in part, as stylolitic partings in part.	
	5	Shale: Very dark grey to black, hard, splintery - fissile, trace pyrite, grades to siltstone as above.	
1725-1730	55	Sandstone: Pale grey - pale green - trace very pale pink, very fine with occasional medium and coarse well rounded grains, bimodal grain size distribution, well sorted, rounded - subrounded with angular quartz overgrowth, patchy reduction/oxidation patterning, trace fine black pelecypod fragments and shaly stylolitic material, trace visible porosity, becoming increasingly phosphatic.	
	45	Siltstone: Medium - dark grey - brnsh grey, hard, blocky - splintery, micaceous, sandy in part, as stylolitic partings in part.	
1730-1735	80	Sandstone: White - pale grey, fine - medium grained, moderately - well sorted, rounded - subrounded, angular overgrowth in part, predominantly clean - occasional slightly silty, trace brownish grey phosphatic material, moderately - abundant pelecypod fragments, stylolitic material, common pyrite, trace visible porosity.	
	20	Siltstone: Medium - dark grey - brnsh grey, hard, blocky - splintery, micaceous, sandy in part, as stylolitic partings in part.	
1735-1740	80	Sandstone: White - pale grey, fine - medium grained, moderately - well sorted, rounded - subrounded, angular overgrowth in part, predominantly clean - occasional slightly silty, trace brownish grey phosphatic material, moderately - abundant pelecypod fragments, stylolitic material, common pyrite, trace visible porosity.	
	20	Siltstone: Medium - dark grey - brnsh grey, hard, blocky - splintery, micaceous, sandy in part, as stylolitic partings in part.	

1740-1745	80	Sandstone: White - pale grey, fine - medium grained, moderately - well sorted, rounded - subrounded, angular overgrowth in part, predominantly clean - occasional slightly silty, trace brownish grey phosphatic material, moderately - abundant pelecypod fragments, stylolitic material, common pyrite, trace visible porosity.	
	20	Siltstone: Medium - dark grey - brnsh grey, hard, blocky - splintery, micaceous, sandy in part, as stylolitic partings in part.	
1745-1750	70	Sandstone: White - pale grey, fine - medium grained, moderately - well sorted, rounded - subrounded, angular overgrowth in part, predominantly clean - occasional slightly silty, trace brownish grey phosphatic material, moderately - abundant pelecypod fragments, stylolitic material, abundant pyrite as fine nodules, trace visible porosity.	
	30	Siltstone: Medium - dark grey - brnsh grey, hard, blocky - splintery, micaceous, sandy in part, as stylolitic partings in part, abundant pyrite as fine rounded nodules and disseminations, grades to Shale in part.	
1750-1755	40	Sandstone: White - pale grey, fine - medium grained, moderately - well sorted, rounded - subrounded, angular overgrowth in part, predominantly clean - occasional slightly silty, trace brownish grey phosphatic material, moderately - abundant pelecypod fragments, stylolitic material, abundant pyrite as fine nodules, trace visible porosity.	
	60	Siltstone: Medium - dark grey - brnsh grey, hard, blocky - splintery, micaceous, sandy in part, as stylolitic partings in part, abundant pyrite as fine rounded nodules and disseminations, grades to Shale in part.	
1755-1760	60	Sandstone: Pale grey to medium grey, fine - medium grained, moderately - well sorted, rounded - subrounded, angular overgrowth in part, predominantly clean - occasional slightly silty, trace brownish grey phosphatic material, moderately - abundant pelecypod fragments, stylolitic material, abundant pyrite as fine nodules, trace visible porosity.	
	30	Siltstone: Medium - dark grey - brnsh grey, hard, blocky - splintery, micaceous, sandy in part, as stylolitic partings in part, abundant pyrite as fine rounded nodules and disseminations, grades to Shale in part.	
	10	Shale: Very dark grey - black, hard, splintery - fissile, carbonaceous, moderately - very pyritic, grades to Siltstone in part.	
1760-1765	60	Sandstone: Pale grey to medium grey, fine - medium grained, moderately - well sorted, rounded - subrounded, angular overgrowth in part, predominantly clean - occasional slightly silty, trace brownish grey phosphatic material, calcareous cement in part, moderately - abundant pelecypod fragments, stylolitic material, abundant pyrite as fine nodules, trace visible porosity.	
	30	Siltstone: Medium - dark grey - brnsh grey, hard, blocky - splintery, micaceous, sandy in part, as stylolitic partings in part, abundant pyrite as fine rounded nodules and disseminations, grades to Shale in part, micromicaceous.	
	10	Shale: Very dark grey - black, hard, splintery - fissile, carbonaceous, moderately - very pyritic, grades to Siltstone in part.	

1765-1770	40	Sandstone: Medium - dark grey, very fine grained, well sorted, slightly - moderately dolomitic silty in part, abundant pyrite as fine nodules, phosphatic in part, grades to sandy dolomite, hard, nil visible porosity.	
	50	Siltstone: Dark grey - black, hard, blocky - splintery and sub fissile, abundant finely nodular pyrite, sandy in part, dolomitic in part, micromicaceous.	
	10	Dolomite: Medium - dark grey, hard, sandy, brittle, blocky, sub conchoidal in part, grades to dolomitic sandstone.	
1770-1775	40	Sandstone: Medium - dark grey, very fine grained, well sorted, slightly - moderately dolomitic silty in part, abundant pyrite as fine nodules, phosphatic in part, grades to sandy dolomite, hard, nil visible porosity.	
	50	Siltstone: Dark grey - black, hard, blocky - splintery and sub fissile, abundant finely nodular pyrite, sandy in part, dolomitic in part, micromicaceous.	
	10	Dolomitic Limestone: Medium - dark grey, hard, sandy, brittle, blocky, sub conchoidal in part, grades to dolomitic sandstone.	
1775-1780	35	Sandstone: Medium - dark grey, very fine grained, well sorted, slightly - moderately dolomitic silty in part, abundant pyrite as fine nodules, phosphatic in part, grades to sandy dolomite, hard, nil visible porosity.	
	55	Siltstone: Dark grey - black, hard, blocky - splintery and sub fissile, abundant finely nodular pyrite, sandy in part, dolomitic in part, micromicaceous.	
	10	Dolomitic Limestone: Medium - dark grey, hard, sandy, brittle, blocky, sub conchoidal in part, grades to dolomitic sandstone, occasionally sparry.	
1780-1785	60	Siltstone: Dark grey - black, hard, blocky - splintery and sub fissile, abundant pyrite disseminations, sandy in part, dolomitic in part, grades to shale in part, micromicaceous.	
	20	Dolomitic Limestone: Medium - dark grey, hard, sandy, brittle, blocky, sub conchoidal in part, grades to dolomitic sandstone, occasionally sparry.	
	20	Sandstone: Medium - dark grey, very fine grained, well sorted, slightly - moderately dolomitic silty in part, abundant pyrite as fine nodules, phosphatic in part, grades to sandy dolomite, hard, nil visible porosity.	
1785-1790	70	Siltstone: Dark grey - black, hard, blocky - splintery and sub fissile, abundant pyrite disseminations, sandy in part, dolomitic in part, grades to shale in part, micromicaceous.	
	20	Dolomitic Limestone: Medium - dark grey, hard, sandy, brittle, blocky, sub conchoidal in part, grades to dolomitic sandstone, occasionally sparry.	
	10	Sandstone: Medium - dark grey, very fine grained, well sorted, slightly - moderately dolomitic silty in part, abundant pyrite as fine nodules, phosphatic in part, grades to sandy dolomite, hard, nil visible porosity.	
1790-1795	70	Siltstone: Dark grey - black, hard, blocky - splintery and sub fissile, abundant pyrite disseminations, sandy in part, dolomitic in part, grades to shale in part, micromicaceous.	
	20	Dolomitic Limestone: Medium - dark grey, hard, sandy, brittle, blocky, sub conchoidal in part, grades to dolomitic sandstone, occasionally sparry.	
	10	Shale: Very dark grey - black, micromicaceous, pyrite disseminations, carbonaceous, slightly - moderately calcareous/dolomitic, trace fossiliferous.	

1795-1800	60	Siltstone: Dark grey - black, hard, blocky - splintery and sub fissile, abundant pyrite disseminations, sandy in part, dolomitic in part, grades to shale in part, micromicaceous.	
	25	Dolomitic Limestone: Medium - dark grey, hard, sandy, brittle, blocky, sub conchoidal in part, grades to dolomitic sandstone, occasionally sparry, pyrite disseminations.	
	15	Shale: Very dark grey - black, micromicaceous, pyrite disseminations, carbonaceous, slightly - moderately calcareous/dolomitic, trace fossiliferous.	
1800-1805	60	Siltstone: Dark grey - black, hard, blocky - splintery and sub fissile, abundant pyrite disseminations, sandy in part, dolomitic in part, grades to shale in part, micromicaceous.	
	25	Dolomitic Limestone: Medium - dark grey, hard, sandy, brittle, blocky, sub conchoidal in part, grades to dolomitic sandstone, occasionally sparry, pyrite disseminations.	
	15	Shale: Very dark grey - black, micromicaceous, pyrite disseminations, carbonaceous, slightly - moderately calcareous/dolomitic, trace fossiliferous.	
1805-1810	60	Siltstone: Dark grey - black, hard, blocky - splintery and sub fissile, abundant pyrite disseminations, sandy in part, dolomitic in part, grades to shale in part, micromicaceous.	
	25	Limestone: Medium - dark grey, hard, brittle, blocky, sub conchoidal in part, grades to dolomitic sandstone, occasionally sparry, pyrite disseminations.	
	15	Shale: Very dark grey - black, micromicaceous, pyrite disseminations, carbonaceous, slightly - moderately calcareous/dolomitic, trace fossiliferous.	
1810-1815	40	Siltstone: Dark grey - black, hard, blocky - splintery and sub fissile, abundant pyrite disseminations, sandy in part, dolomitic in part, grades to shale in part, micromicaceous.	
	35	Limestone: Medium - dark grey, hard, brittle, blocky, sub conchoidal in part, grades to dolomitic sandstone, occasionally sparry, pyrite disseminations.	
	25	Shale: Very dark grey - black, micromicaceous, pyrite disseminations, carbonaceous, slightly - moderately calcareous/dolomitic, trace fossiliferous.	
1815-1820	30	Siltstone: Dark grey - black, hard, blocky - splintery and sub fissile, abundant pyrite disseminations, sandy in part, dolomitic in part, grades to shale in part, micromicaceous.	
	20	Limestone: Medium - dark grey, hard, brittle, blocky, sub conchoidal in part, grades to dolomitic sandstone, occasionally sparry, pyrite disseminations.	
	50	Shale: Very dark grey - black, micromicaceous, pyrite disseminations, carbonaceous, slightly - moderately calcareous/dolomitic, trace fossiliferous.	
1820-1825	40	Siltstone: Dark grey - black, hard, blocky - splintery and sub fissile, abundant pyrite disseminations, sandy in part, dolomitic in part, grades to shale in part, micromicaceous.	
	20	Limestone: Medium - dark grey, hard, brittle, blocky, sub conchoidal in part, grades to dolomitic sandstone, occasionally sparry, pyrite disseminations.	
	40	Shale: Very dark grey - black, micromicaceous, pyrite disseminations, carbonaceous, slightly - moderately calcareous/dolomitic, trace fossiliferous.	

1825-1830	40	Siltstone: Dark grey - black, hard, blocky - splintery and sub fissile, abundant pyrite disseminations, sandy in part, dolomitic in part, grades to shale in part, micromicaceous.	No shows
	20	Limestone: Medium - dark grey, hard, brittle, blocky, sub conchoidal in part, grades to dolomitic sandstone, occasionally sparry, pyrite disseminations.	
	40	Shale: Very dark grey - black, micromicaceous, pyrite disseminations, carbonaceous, slightly - moderately calcareous/dolomitic, trace fossiliferous.	
1830-1835	40	Siltstone: Dark grey - black, hard, blocky - splintery and sub fissile, abundant pyrite disseminations, sandy in part, dolomitic in part, grades to shale in part, micromicaceous.	No shows
	20	Limestone: Medium - dark grey, hard, brittle, blocky, sub conchoidal in part, grades to dolomitic sandstone, occasionally sparry, pyrite disseminations.	
	40	Shale: Very dark grey - black, micromicaceous, pyrite disseminations, carbonaceous, slightly - moderately calcareous/dolomitic, trace fossiliferous.	
1835-1840	40	Siltstone: Dark grey - black, hard, blocky - splintery and sub fissile, abundant pyrite disseminations, sandy in part, dolomitic in part, grades to shale in part, micromicaceous.	No shows
	20	Limestone: Medium - dark grey, hard, brittle, blocky, sub conchoidal in part, grades to dolomitic sandstone, occasionally sparry, pyrite disseminations.	
	40	Shale: Very dark grey - black, micromicaceous, pyrite disseminations, carbonaceous, slightly - moderately calcareous/dolomitic, trace fossiliferous.	
1840-1845	30	Siltstone: Dark grey - black, hard, blocky - splintery and sub fissile, abundant pyrite disseminations, sandy in part, dolomitic in part, grades to shale in part, micromicaceous.	No shows
	20	Limestone: Medium - dark grey, hard, brittle, blocky, sub conchoidal in part, grades to dolomitic sandstone, occasionally sparry, pyrite disseminations.	
	50	Shale: Very dark grey - black, micromicaceous, pyrite disseminations, carbonaceous, slightly - moderately calcareous/dolomitic, trace fossiliferous.	
1845-1850	20	Siltstone: Dark grey - black, hard, blocky - splintery and sub fissile, abundant pyrite disseminations, sandy in part, dolomitic in part, grades to shale in part, micromicaceous.	No shows
	45	Limestone: Medium - dark grey, hard, brittle, blocky, sub conchoidal in part, grades to dolomitic sandstone, occasionally sparry, pyrite disseminations.	
	35	Shale: Very dark grey - black, micromicaceous, pyrite disseminations, carbonaceous, slightly - moderately calcareous/dolomitic, trace fossiliferous.	
1850-1855	40	Siltstone: Medium brownish grey - dark grey, moderately hard - hard, blocky - sub fissile, slightly - moderately calcareous, trace pyrite, trace glauconitic.	No shows
	20	Sandstone: White - pale grey and medium grey, very fine grained, moderately - very calcareous, common pale green glauconitic grains, silty in part, nil - trace visible porosity.	
	15	Shale: Medium - very dark brownish grey, moderately hard, trace pyrite, grades to siltstone as above.	
	25	Limestone: Medium - dark grey, hard, brittle, blocky, sub conchoidal in part, grades to dolomitic sandstone, occasionally sparry, pyrite disseminations.	



1905-1910	80	Sandstone: White - pale grey, fine - medium grained, subrounded -rounded with angular authigenic overgrowth, moderately - well sorted, quartzose composition, trace phosphatic nodules, trace pyrite, trace black carbonaceous stylolitic material, trace dolomitic cement, trace - poor visible porosity.	No shows
	20	Siltstone: Medium brownsh grey - dark grey, moderately hard - hard, blocky - sub fissile, slightly - moderately calcareous, trace pyrite, trace dendritic graptolite fragments, micromicaceous.	
	TR	Shale: Medium - very dark brownish grey, moderately hard, trace pyrite, grades to siltstone as above.	
1910-1915	85	Sandstone: White - pale grey, fine - medium grained, subrounded -rounded with angular authigenic overgrowth, moderately - well sorted, quartzose composition, trace phosphatic nodules, trace pyrite, trace black carbonaceous stylolitic material, trace dolomitic cement, trace - poor visible porosity.	No shows
	15	Siltstone: Medium brownsh grey - dark grey, moderately hard - hard, blocky - sub fissile, slightly - moderately calcareous, trace pyrite, trace dendritic graptolite fragments, micromicaceous.	
	TR	Shale: Medium - very dark brownish grey, moderately hard, trace pyrite, grades to siltstone as above.	
1915-1920	70	Sandstone: White - pale grey, fine - medium grained, subrounded -rounded with angular authigenic overgrowth, moderately - well sorted, quartzose composition, trace phosphatic nodules, trace pyrite, trace black carbonaceous stylolitic material, trace dolomitic cement, trace - poor visible porosity.	No shows
	20	Siltstone: Medium brownsh grey - dark grey, moderately hard - hard, blocky - sub fissile, slightly - moderately calcareous, trace pyrite, trace dendritic graptolite fragments, micromicaceous.	
	10	Shale: Medium - very dark grey and trace brownish grey, moderately hard, trace pyrite, grades to siltstone as above.	
1920-1925	80	Sandstone: White - pale grey, fine - medium grained, subrounded -rounded with angular authigenic overgrowth, moderately - well sorted, quartzose composition, trace phosphatic nodules, trace pyrite, trace black carbonaceous stylolitic material, trace dolomitic cement, trace - poor visible porosity.	No shows
	15	Siltstone: Medium brownsh grey - dark grey, moderately hard - hard, blocky - sub fissile, slightly - moderately calcareous, trace pyrite, trace dendritic graptolite fragments, micromicaceous.	
	5	Shale: Medium - very dark brownish grey, moderately hard, trace pyrite, grades to siltstone as above.	

1880-1885	70	Sandstone: White - pale grey, fine - medium grained, subrounded -rounded with angular authigenic overgrowth, moderately - well sorted, quartzose composition, clean, trace pyrite, trace black carbonaceous stylolitic material, trace - poor visible porosity.	No shows
	20	Siltstone: Medium brownsh grey - dark grey, moderately hard - hard, blocky - sub fissile, slightly - moderately calcareous, trace pyrite, trace dendritic graptolite fragments, micromicaceous.	
	10	Shale: Medium - very dark brownish grey, moderately hard, trace pyrite, grades to siltstone as above.	
1885-1890	80	Sandstone: White - pale grey, fine - medium grained, subrounded -rounded with angular authigenic overgrowth, moderately - well sorted, quartzose composition, trace phosphatic nodules, trace pyrite, trace black carbonaceous stylolitic material, trace - poor visible porosity.	No shows
	15	Siltstone: Medium brownsh grey - dark grey, moderately hard - hard, blocky - sub fissile, slightly - moderately calcareous, trace pyrite, trace dendritic graptolite fragments, micromicaceous.	
	5	Shale: Medium - very dark brownish grey, moderately hard, trace pyrite, grades to siltstone as above.	
1890-1895	70	Sandstone: White - pale grey, fine - medium grained, subrounded -rounded with angular authigenic overgrowth, moderately - well sorted, quartzose composition, trace phosphatic nodules, trace pyrite, trace black carbonaceous stylolitic material, trace - poor visible porosity.	No shows
	25	Siltstone: Medium brownsh grey - dark grey, moderately hard - hard, blocky - sub fissile, slightly - moderately calcareous, trace pyrite, trace dendritic graptolite fragments, micromicaceous.	
	5	Shale: Medium - very dark brownish grey, moderately hard, trace pyrite, grades to siltstone as above.	
1895-1900	65	Sandstone: White - pale grey, fine - medium grained, subrounded -rounded with angular authigenic overgrowth, moderately - well sorted, quartzose composition, trace phosphatic nodules, trace pyrite, trace black carbonaceous stylolitic material, trace dolomitic cement, trace - poor visible porosity.	No shows
	30	Siltstone: Medium brownsh grey - dark grey, moderately hard - hard, blocky - sub fissile, slightly - moderately calcareous, trace pyrite, trace dendritic graptolite fragments, micromicaceous.	
	5	Shale: Medium - very dark brownish grey, moderately hard, trace pyrite, grades to siltstone as above.	
1900-1905	65	Sandstone: White - pale grey, fine - medium grained, subrounded -rounded with angular authigenic overgrowth, moderately - well sorted, quartzose composition, trace phosphatic nodules, trace pyrite, trace black carbonaceous stylolitic material, trace dolomitic cement, trace - poor visible porosity.	No shows
	35	Siltstone: Medium brownsh grey - dark grey, moderately hard - hard, blocky - sub fissile, slightly - moderately calcareous, trace pyrite, trace dendritic graptolite fragments, micromicaceous.	
	TR	Shale: Medium - very dark brownish grey, moderately hard, trace pyrite, grades to siltstone as above.	

1855-1860	40	Siltstone: Medium brownsh grey - dark grey, moderately hard - hard, blocky - sub fissile, slightly - moderately calcareous, trace pyrite, trace glauconitic.	No shows
	20	Sandstone: White - pale grey and medium grey, very fine grained, moderately - very calcareous, common pale green glauconitic grains, silty in part, nil - trace visible porosity.	
	30	Shale: Medium - very dark brownish grey, moderately hard, trace pyrite, grades to siltstone as above.	
	10	Limestone: Medium - dark grey, hard, brittle, blocky, sub conchoidal in part, grades to dolomitic sandstone, occasionally sparry, pyrite disseminations.	
1860-1865	50	Siltstone: Medium brownsh grey - dark grey, moderately hard - hard, blocky - sub fissile, slightly - moderately calcareous, trace pyrite, trace glauconitic.	No shows
	10	Sandstone: White - pale grey and medium grey, very fine grained, moderately - very calcareous, common pale green glauconitic grains, silty in part, nil - trace visible porosity.	
	25	Shale: Medium - very dark brownish grey, moderately hard, trace pyrite, grades to siltstone as above.	
	15	Limestone: Medium - dark grey, hard, brittle, blocky, sub conchoidal in part, grades to dolomitic sandstone, occasionally sparry, pyrite disseminations.	
1865-1870	45	Siltstone: Medium brownsh grey - dark grey, moderately hard - hard, blocky - sub fissile, slightly - moderately calcareous, trace pyrite, trace glauconitic.	No shows
	25	Sandstone: White - pale grey and medium grey, very fine to occasionally medium grained, moderately to well sorted, moderately - very calcareous, common pale green glauconitic grains, silty in part, trace - very poor visible porosity.	
	25	Shale: Medium - very dark brownish grey, moderately hard, trace pyrite, grades to siltstone as above.	
	5	Limestone: Medium - dark grey, hard, brittle, blocky, sub conchoidal in part, grades to dolomitic sandstone, occasionally sparry, pyrite disseminations.	
1870-1875	65	Sandstone: White - pale grey, fine - medium grained, subrounded - rounded with angular authigenic overgrowth, moderately - well sorted, quartzose composition, clean, trace pyrite, trace black carbonaceous stylolitic material, trace - poor visible porosity.	No shows
	20	Siltstone: Medium brownsh grey - dark grey, moderately hard - hard, blocky - sub fissile, slightly - moderately calcareous, trace pyrite, trace dendritic graptolite fragments.	
	15	Shale: Medium - very dark brownish grey, moderately hard, trace pyrite, grades to siltstone as above.	
1875-1880	75	Sandstone: White - pale grey, fine - medium grained, subrounded - rounded with angular authigenic overgrowth, moderately - well sorted, quartzose composition, clean, trace pyrite, trace black carbonaceous stylolitic material, trace - poor visible porosity.	No shows
	15	Siltstone: Medium brownsh grey - dark grey, moderately hard - hard, blocky - sub fissile, slightly - moderately calcareous, trace pyrite, trace dendritic graptolite fragments, micromicaceous.	
	10	Shale: Medium - very dark brownish grey, moderately hard, trace pyrite, grades to siltstone as above.	

1925-1930	80	Sandstone: White - pale grey, fine - medium grained, subrounded -rounded with angular authigenic overgrowth, moderately - well sorted, quartzose composition, trace phosphatic nodules, trace pyrite, trace black carbonaceous stylolitic material, trace dolomitic cement, trace - poor visible porosity.	No shows
	15	Siltstone: Medium brownsh grey - dark grey, moderately hard - hard, blocky - sub fissile, slightly - moderately calcareous, trace pyrite, trace dendritic graptolite fragments, micromicaceous.	
	5	Shale: Medium - very dark brownish grey, moderately hard, trace pyrite, grades to siltstone as above.	
1930-1935	85	Sandstone: White - pale grey, fine - medium grained, subrounded -rounded with angular authigenic overgrowth, moderately - well sorted, quartzose composition, trace phosphatic nodules, trace pyrite, trace black carbonaceous stylolitic material, trace dolomitic cement, trace - poor visible porosity.	No shows
	15	Siltstone: Medium brownsh grey - dark grey, moderately hard - hard, blocky - sub fissile, slightly - moderately calcareous, trace pyrite, trace dendritic graptolite fragments, micromicaceous.	
	TR	Shale: Medium - very dark brownish grey, moderately hard, trace pyrite, grades to siltstone as above.	
1935-1940	75	Sandstone: White - pale grey, fine - medium grained, subrounded -rounded with angular authigenic overgrowth, moderately - well sorted, quartzose composition, trace phosphatic nodules, trace pyrite, trace black carbonaceous stylolitic material, trace dolomitic cement, trace - poor visible porosity.	No shows
	20	Siltstone: Medium brownsh grey - dark grey, moderately hard - hard, blocky - sub fissile, slightly - moderately calcareous, trace pyrite, trace dendritic graptolite fragments, micromicaceous.	
	5	Shale: Medium - very dark brownish grey, moderately hard, trace pyrite, grades to siltstone as above.	
1940-1945	60	Sandstone: White - pale grey, fine - medium grained, subrounded -rounded with angular authigenic overgrowth, moderately - well sorted, quartzose composition, trace phosphatic nodules, trace pyrite, trace black carbonaceous stylolitic material, trace dolomitic cement, trace - poor visible porosity.	No shows
	35	Siltstone: Medium brownsh grey - dark grey, moderately hard - hard, blocky - sub fissile, slightly - moderately calcareous, trace pyrite, trace dendritic graptolite fragments, micromicaceous.	
	5	Shale: Medium - very dark brownish grey, moderately hard, trace pyrite, grades to siltstone as above.	
1945-1950	60	Sandstone: White - pale grey, fine - medium grained, subrounded -rounded with angular authigenic overgrowth, moderately - well sorted, quartzose composition, trace phosphatic nodules, trace pyrite, trace black carbonaceous stylolitic material, trace dolomitic cement, trace - poor visible porosity.	No shows
	35	Siltstone: Medium brownsh grey - dark grey, moderately hard - hard, blocky - sub fissile, slightly - moderately calcareous, trace pyrite, trace dendritic graptolite fragments, micromicaceous.	
	5	Shale: Medium - very dark brownish grey, moderately hard, trace pyrite, grades to siltstone as above.	

1950-1955	85	Sandstone: White - pale grey, predominantly clean, fine - medium grained, subrounded -rounded with angular authigenic overgrowth, moderately - well sorted, quartzose composition, trace phosphatic nodules, trace pyrite, trace black carbonaceous stylolitic material, trace dolomitic cement, trace - poor visible porosity.	No shows
	15	Siltstone: Medium brownish grey - dark grey, moderately hard - hard, blocky - sub fissile, slightly - moderately calcareous, trace pyrite, trace dendritic graptolite fragments, micromicaceous.	
	TR	Shale: Medium - very dark brownish grey, moderately hard, trace pyrite, grades to siltstone as above.	
1955-1960	90	Sandstone: White - pale grey, fine - medium grained, subrounded -rounded with angular authigenic overgrowth, moderately - well sorted, quartzose composition, trace phosphatic nodules, trace pyrite, trace black carbonaceous stylolitic material, trace dolomitic cement, trace - poor visible porosity.	No shows
	10	Siltstone: Medium brownish grey - dark grey, moderately hard - hard, blocky - sub fissile, slightly - moderately calcareous, trace pyrite, trace dendritic graptolite fragments, micromicaceous.	
	TR	Shale: Medium - very dark brownish grey, moderately hard, trace pyrite, grades to siltstone as above.	
1960-1965	80	Sandstone: White - pale grey, predominantly clean, fine - medium grained, subrounded -rounded with angular authigenic overgrowth, moderately - well sorted, quartzose composition, trace phosphatic nodules, trace pyrite, trace black carbonaceous stylolitic material, trace dolomitic cement, trace - poor visible porosity.	No shows
	10	Siltstone: Medium brownish grey - dark grey, moderately hard - hard, blocky - sub fissile, slightly - moderately calcareous, trace pyrite, trace dendritic graptolite fragments, micromicaceous.	
	10	Shale: Medium - very dark brownish grey, moderately hard, trace pyrite, grades to siltstone as above.	
1965-1970	70	Sandstone: White - very pale pink and very pale green, slightly oxidised and reduced, very fine - medium grained, moderately - well sorted, sub rounded -rounded, trace angular overgrowth, trace coarse frosted grains, trace pyrite as fine nodules, siliceous and trace dolomitic cement, trace visible porosity.	Top of reduct. / oxid. No shows
	20	Shale: Medium - very dark grey - black, hard, brittle, fissile - splintery, micromicaceous, trace calcareous fossiliferous material, grades to Siltstone in part.	
	10	Siltstone: Dark grey - black, hard, blocky - splintery, micromicaceous, grades to Shale in part.	
1970-1975	70	Sandstone: White - very pale pink and very pale green, slightly oxidised and reduced, very fine - medium grained, moderately - well sorted, sub rounded -rounded, trace angular overgrowth, trace coarse frosted grains, trace pyrite as fine nodules, siliceous and trace dolomitic cement, trace visible porosity.	No shows
	20	Shale: Medium - very dark grey - black, hard, brittle, fissile - splintery, micromicaceous, trace calcareous fossiliferous material, grades to Siltstone in part.	
	10	Siltstone: Dark grey - black, hard, blocky - splintery, micromicaceous, grades to Shale in part.	

1975-1980	70	Sandstone: Very pale pink to reddish brown and pale green, moderate oxidation and reduction, very fine - medium grained, moderately - well sorted, sub rounded - rounded, trace angular overgrowth, trace coarse frosted grains, trace pyrite as fine nodules, siliceous and trace dolomitic cement with patchy ferruginous matrix, trace visible porosity.	No shows
	20	Shale: Medium - very dark brownish grey - black, hard, brittle, fissile - splintery, micromicaceous, trace calcareous fossiliferous material, grades to Siltstone in part.	
	10	Siltstone: Dark grey - black to reddish brown, hard, blocky - splintery, micromicaceous, grades to Shale in part, reddish brown material has trace greenish grey mottling, sandy in part.	
1980-1985	75	Sandstone: Very pale pink to reddish brown and pale green, moderate oxidation and reduction, very fine - medium grained, moderately - well sorted, sub rounded - rounded, trace angular overgrowth, trace coarse frosted grains, trace pyrite as fine nodules, siliceous and trace dolomitic cement with patchy ferruginous matrix, trace visible porosity.	No shows
	15	Shale: Medium - very dark brownish grey - black, hard, brittle, fissile - splintery, micromicaceous, trace calcareous fossiliferous material, grades to Siltstone in part.	
	10	Siltstone: Dark grey - black to reddish brown, hard, blocky - splintery, micromicaceous, grades to Shale in part, reddish brown material has trace greenish grey mottling, sandy in part.	
1985-1990	85	Sandstone: Very pale pink to reddish brown and pale green, moderate oxidation and reduction, very fine - medium grained, moderately - well sorted, sub rounded - rounded, trace angular overgrowth, trace coarse frosted grains, trace pyrite as fine nodules, siliceous and trace dolomitic cement with patchy ferruginous matrix, trace visible porosity, trace coarse frosted grains.	No shows
	5	Shale: Medium - very dark brownish grey - black, hard, brittle, fissile - splintery, micromicaceous, trace calcareous fossiliferous material, grades to Siltstone in part.	
	10	Siltstone: Dark grey - black to reddish brown, hard, blocky - splintery, micromicaceous, grades to Shale in part, reddish brown material has trace greenish grey mottling, sandy in part.	
1990-1995	85	Sandstone: Very pale pink to reddish brown and pale green, moderate oxidation and reduction, very fine - medium grained, moderately - well sorted, sub rounded - rounded, trace angular overgrowth, trace coarse frosted grains, trace pyrite as fine nodules, siliceous and trace dolomitic cement with patchy ferruginous matrix, trace visible porosity, common coarse frosted and pitted grains.	No shows
	5	Shale: Medium - very dark brownish grey - black, hard, brittle, fissile - splintery, micromicaceous, trace calcareous fossiliferous material, grades to Siltstone in part.	
	10	Siltstone: Dark grey - black to reddish brown, hard, blocky - splintery, micromicaceous, grades to Shale in part, reddish brown material has trace greenish grey mottling, sandy in part.	

1995-2000	80  5  15	<p>Sandstone: Very pale pink to reddish brown and pale green, moderate oxidation and reduction, very fine - medium grained, moderately - well sorted, sub rounded - rounded, trace angular overgrowth, trace coarse frosted grains, trace pyrite as fine nodules, siliceous and trace dolomitic cement with patchy ferruginous matrix, trace visible porosity, common coarse frosted and pitted grains.</p> <p>Shale: Medium - very dark brownish grey - black, hard, brittle, fissile - splintery, micromicaceous, trace calcareous fossiliferous material, grades to Siltstone in part.</p> <p>Siltstone: Dark purplish grey to reddish brown, hard, blocky - splintery, micromicaceous, grades to Shale in part, reddish brown material has trace greenish grey mottling, sandy in part.</p>	No shows
2000-2005	75  5  20	<p>Sandstone: Very pale pink to reddish brown and pale green, moderate oxidation and reduction, very fine - medium grained, moderately - well sorted, sub rounded - rounded, trace angular overgrowth, trace coarse frosted grains, trace pyrite as fine nodules, siliceous and trace dolomitic cement with patchy ferruginous matrix, trace visible porosity, common coarse frosted and pitted grains.</p> <p>Shale: Medium - very dark brownish grey - black, hard, brittle, fissile - splintery, micromicaceous, trace calcareous fossiliferous material, grades to Siltstone in part.</p> <p>Siltstone: Dark purplish grey to reddish brown, hard, blocky - splintery, micromicaceous, grades to Shale in part, reddish brown material has trace greenish grey mottling, sandy in part.</p>	No shows
2005-2010	85  5  10	<p>Sandstone: Very pale pink to reddish brown and pale green, moderate oxidation and reduction, very fine - medium grained, moderately - well sorted, sub rounded - rounded, trace angular overgrowth, trace coarse frosted grains, trace pyrite as fine nodules, siliceous and trace dolomitic cement with patchy ferruginous matrix, trace visible porosity, common coarse frosted and pitted grains.</p> <p>Shale: Medium - very dark brownish grey - black, hard, brittle, fissile - splintery, micromicaceous, trace calcareous fossiliferous material, grades to Siltstone in part.</p> <p>Siltstone: Dark purplish grey to reddish brown, hard, blocky - splintery, micromicaceous, grades to Shale in part, reddish brown material has trace greenish grey mottling, sandy in part.</p>	No shows
2010-2015	85  5  10	<p>Sandstone: Very pale pink to reddish brown and pale green, moderate oxidation and reduction, very fine - medium grained, moderately - well sorted, sub rounded - rounded, trace angular overgrowth, trace coarse frosted grains, trace pyrite as fine nodules, siliceous and trace dolomitic cement with patchy ferruginous matrix, trace visible porosity, common coarse frosted and pitted grains.</p> <p>Shale: Medium - very dark brownish grey - black, hard, brittle, fissile - splintery, micromicaceous, trace calcareous fossiliferous material, grades to Siltstone in part.</p> <p>Siltstone: Dark purplish grey to reddish brown, hard, blocky - splintery, micromicaceous, grades to Shale in part, reddish brown material has trace greenish grey mottling, sandy in part.</p>	No shows

2015-2020	90	Sandstone: Clear - pale pink and pale greenish grey, medium - occasionally coarse grained, moderately sorted, well rounded frosted and pitted grains, patchy silty micaceous matrix, moderately dolomitic, quartz overgrowth, rare fine pyrite nodules. trace visible porosity. Siltstone: Dark purplish grey to reddish brown, hard, blocky - splintery, micromicaceous, grades to Shale in part, reddish brown material has trace greenish grey mottling, sandy in part.	No shows
	10		
2020-2025	90	Sandstone: Clear - pale pink and pale greenish grey, medium - occasionally coarse grained, moderately sorted, well rounded frosted and pitted grains, patchy silty micaceous matrix, moderately dolomitic, quartz overgrowth, rare fine pyrite nodules. trace visible porosity. Siltstone: Dark purplish grey to reddish brown, hard, blocky - splintery, micromicaceous, grades to Shale in part, reddish brown material has trace greenish grey mottling, sandy in part.	No shows
	10		
2025-2030	90	Sandstone: Clear - pale pink and pale greenish grey, medium - occasionally coarse grained, moderately sorted, well rounded frosted and pitted grains, patchy silty micaceous matrix, moderately dolomitic, quartz overgrowth, rare fine pyrite nodules. trace visible porosity. Siltstone: Dark purplish grey to reddish brown, hard, blocky - splintery, micromicaceous, grades to Shale in part, reddish brown material has trace greenish grey mottling, sandy in part.	No shows
	10		
2030-2035	95	Sandstone: Clear - white to pale grey, rarely trace pinkish grey, prdom fine - occasionally medium and occasional coarse grained, moderately sorted, frosted and pitted grain surfaces, siliceous cement, well rounded with angular authigenic overgrowth, minor silty matrix, trace pyrite, nil - trace visible porosity. Siltstone: Very dark grey -black, hard, blocky - splintery, micromicaceous, trace pyrite.	No shows
	5		
2035-2040	90	Sandstone: Clear - white to pale grey, rarely trace pinkish grey, prdom fine - occasionally medium and occasional coarse grained, moderately sorted, frosted and pitted grain surfaces, siliceous cement, well rounded with angular authigenic overgrowth, minor silty matrix, trace pyrite, nil - trace visible porosity. Siltstone: Very dark grey -black, hard, blocky - splintery, micromicaceous, trace pyrite.	No shows
	10		
2040-2045	95	Sandstone: Clear - white to pale grey, rarely trace pinkish grey, prdom fine - occasionally medium and occasional coarse grained, moderately sorted, frosted and pitted grain surfaces, siliceous cement, well rounded with angular authigenic overgrowth, minor silty matrix, trace pyrite, nil - trace visible porosity. Siltstone: Very dark grey -black, hard, blocky - splintery, micromicaceous, trace pyrite.	No shows
	5		
2045-2050	95	Sandstone: Clear - white to pale grey, rarely trace pinkish grey, prdom fine - occasionally medium and occasional coarse grained, moderately sorted, frosted and pitted grain surfaces, siliceous and trace dolomitic cement, well rounded with angular authigenic overgrowth, minor silty matrix, trace pyrite, nil - trace visible porosity. Siltstone: Very dark grey -black, hard, blocky - splintery, micromicaceous, trace pyrite.	No shows
	5		



2050-2055	95  5	Sandstone: Clear - white to pale grey, rarely trace pinkish grey, prdom fine - occasionally medium and occasional coarse grained, moderately sorted, frosted and pitted grain surfaces, siliceous and calcareous cement, well rounded with angular authigenic overgrowth, minor silty matrix, trace pyrite, nil - trace visible porosity. Siltstone: Very dark grey -black, hard, blocky - splintery, micromicaceous, trace pyrite.	No shows
2055-2060	70  15 15	Sandstone: Pale - medium grey, clear, medium - occasional coarse grained, moderately - well sorted, well rounded grains with angular overgrowth in part, trace fine glauconitic grains, patchy silty matrix, trace pyrite, trace visible porosity. Siltstone: Medium - very dark grey, hard, blocky - splintery, slightly sandy in part, micaceous in part. Shale: Medium - very dark grey - black, hard, brittle, splintery - fissile,	Glauconitic No shows
2060-2065	70  15 15	Sandstone: Pale - medium grey, clear, medium - occasional coarse grained, moderately - well sorted, well rounded grains with angular overgrowth in part, trace fine glauconitic grains, patchy silty matrix, trace pyrite, trace visible porosity. Siltstone: Medium - very dark grey, hard, blocky - splintery, slightly sandy in part, micaceous in part. Shale: Medium - very dark grey - black, hard, brittle, splintery - fissile,	No shows
2065-2070	60  35 5	Sandstone: Pale - medium grey, clear, medium - occasional coarse grained, moderately - well sorted, well rounded grains with angular overgrowth in part, abundant fine glauconitic grains, patchy silty matrix, trace pyrite, trace visible porosity. Siltstone: Medium - very dark grey, hard, blocky - splintery, slightly sandy in part, micaceous in part. Shale: Medium - very dark grey - black, hard, brittle, splintery - fissile,	No shows
2070-2075	50  45 5	Sandstone: Pale - medium grey, clear, fine - medium and occasionally coarse grained, moderately - well sorted, well rounded grains with angular overgrowth in part, abundant fine glauconitic grains, patchy silty matrix, trace pyrite, trace visible porosity. Siltstone: Medium - very dark grey, hard, blocky - splintery, slightly sandy in part, micaceous in part. Shale: Medium - very dark grey - black, hard, brittle, splintery - fissile,	No shows
2075-2080	40  55 5	Sandstone: Pale - medium grey, clear, fine - medium grained, moderately - well sorted, well rounded grains with angular overgrowth in part, abundant fine glauconitic grains, patchy silty matrix and dolomitic cement becoming common, trace pyrite, trace visible porosity. Siltstone: Medium - very dark grey, hard, blocky - splintery, slightly sandy in part, micaceous in part. Shale: Medium - very dark grey - black, hard, brittle, splintery - fissile,	No shows

2080-2085	60	Sandstone: Pale - medium grey, clear, fine - medium grained, moderately - well sorted, well rounded grains with angular overgrowth in part, abundant fine glauconitic grains, patchy silty matrix and dolomitic cement becoming common, trace pyrite, trace visible porosity.	No shows
	45	Siltstone: Medium - very dark grey, hard, blocky - splintery, slightly sandy in part, micaceous in part.	
	5	Shale: Medium - very dark grey - black, hard, brittle, splintery - fissile,	
2085-2090	40	Sandstone: Pale - medium grey, clear, fine - medium grained, moderately - well sorted, well rounded grains with angular overgrowth in part, abundant fine glauconitic grains, patchy silty matrix and dolomitic cement becoming common, trace pyrite, trace visible porosity.	Logged after trip No shows
	35	Siltstone: Medium - very dark grey, hard, blocky - splintery, slightly sandy in part, micaceous in part.	
	25	Shale: Medium - very dark grey - black, hard, brittle, splintery - fissile,	
2090-2095	60	Sandstone: White - very pale grey to pale greenish gy, very fine - fine grained, well sorted, sub rounded - rounded grains with angular overgrowth, common fine medium green glauconite grains, siliceous and rare trace dolomitic cements, trace pyrite nodules, trace visible porosity.	Glauconitic. No shows
	30	Siltstone: Medium - very dark grey, hard, blocky - splintery, slightly sandy in part, micaceous in part.	
	10	Shale: Medium - very dark grey - black, hard, brittle, splintery - fissile,	
2095-2100	65	Sandstone: White - very pale grey to pale greenish gy, very fine - fine grained, well sorted, sub rounded - rounded grains with angular overgrowth, abundant fine medium green glauconite grains, siliceous and rare trace dolomitic cements, trace pyrite nodules, trace visible porosity.	No shows
	25	Siltstone: Medium - very dark grey, hard, blocky - splintery, slightly sandy in part, micaceous in part.	
	10	Shale: Medium - very dark grey - black, hard, brittle, splintery - fissile,	
2100-2105	70	Sandstone: White - very pale grey to pale greenish gy, very fine - fine grained, well sorted, sub rounded - rounded grains with angular overgrowth, abundant fine medium green glauconite grains, siliceous and rare trace dolomitic cements, trace pyrite nodules, trace visible porosity.	No shows
	30	Siltstone: Medium - very dark grey, hard, blocky - splintery, slightly sandy in part, micaceous in part.	
	TR	Shale: Medium - very dark grey - black, hard, brittle, splintery - fissile,	
2105-2110	80	Sandstone: White - very pale grey to pale greenish gy, very fine - fine grained, well sorted, sub rounded - rounded grains with angular overgrowth, abundant fine medium green glauconite grains, siliceous and rare trace dolomitic cements, trace pyrite nodules, trace visible porosity.	No shows
	15	Siltstone: Medium - very dark grey, hard, blocky - splintery, slightly sandy in part, micaceous in part.	
	5	Shale: Medium - very dark grey - black, hard, brittle, splintery - fissile,	

2110-2115	95  5	Sandstone: Pale green - greenish grey, fine - occasional medium grained, sub rounded, angular overgrowth, very glauconitic as pale - medium green grains, well sorted, siliceous and trace dolomitic cement, trace fine pyrite nodules, nil - trace visible porosity. Siltstone: Medium - very dark grey, hard, blocky - splintery, slightly sandy in part, micaceous in part, grades to trace Shale.	Very glauconitic. No shows
2115-2120	90  10	Sandstone: 40% glauconitic as above, 60% pale yellowish grey, pale brownish grey, fine - medium grained, well rounded frosted and pitted grains with angular authigenic overgrowth, trace glauconitic, slightly dolomitic, siliceous cement, nil - trace visible porosity. Siltstone: Medium - very dark grey, hard, blocky - splintery, slightly sandy in part, micaceous in part, grades to trace Shale.	No shows
2120-2125	95  5	Sandstone: White - minor pale yellowish grey, fine - medium grained, well rounded frosted and pitted grains with angular authigenic overgrowth, slightly dolomitic, siliceous cement, nil - trace visible porosity, trace glauconitic as above. Siltstone: Medium - very dark grey, hard, blocky - splintery, slightly sandy in part, micaceous in part, grades to trace Shale.	No shows
2125-2130	95  5	Sandstone: White - minor pale yellowish grey, fine - medium grained, well rounded frosted and pitted grains with angular authigenic overgrowth, slightly dolomitic, siliceous cement, nil - trace visible porosity, trace glauconitic as above. Siltstone: Medium - very dark grey, hard, blocky - splintery, slightly sandy in part, micaceous in part, grades to trace Shale.	No shows
2130-2135	100  TR	Sandstone: White - pale yellowish grey, fine - medium grained, well rounded frosted and pitted grains with angular authigenic overgrowth, slightly dolomitic, siliceous cement, nil - trace visible porosity, trace glauconitic as above. Siltstone: Medium - very dark grey, hard, blocky - splintery, slightly sandy in part, micaceous in part, grades to trace Shale.	No shows
2135-2140	95  5	Sandstone: White - pale yellowish grey, fine - medium grained, well rounded frosted and pitted grains with angular authigenic overgrowth, slightly dolomitic, siliceous cement, nil - trace visible porosity, trace glauconitic as above. Siltstone: Medium - very dark grey, hard, blocky - splintery, slightly sandy in part, micaceous in part, grades to trace Shale.	No shows
2140-2143.9	100  TR	Sandstone: White - pale yellowish grey, fine - medium grained, well rounded frosted and pitted grains with angular authigenic overgrowth, slightly dolomitic, siliceous cement, nil - trace visible porosity, trace glauconitic as above. Siltstone: Medium - very dark grey, hard, blocky - splintery, slightly sandy in part, micaceous in part, grades to trace Shale.	No shows
		TD 2143.9 m reached @ 01:00 HRS December 31, 1994.	