## **Magnetic 1**

Hole

(mMDRT)

69.11

1203.00

2324 00

**Hole Size** 

26"

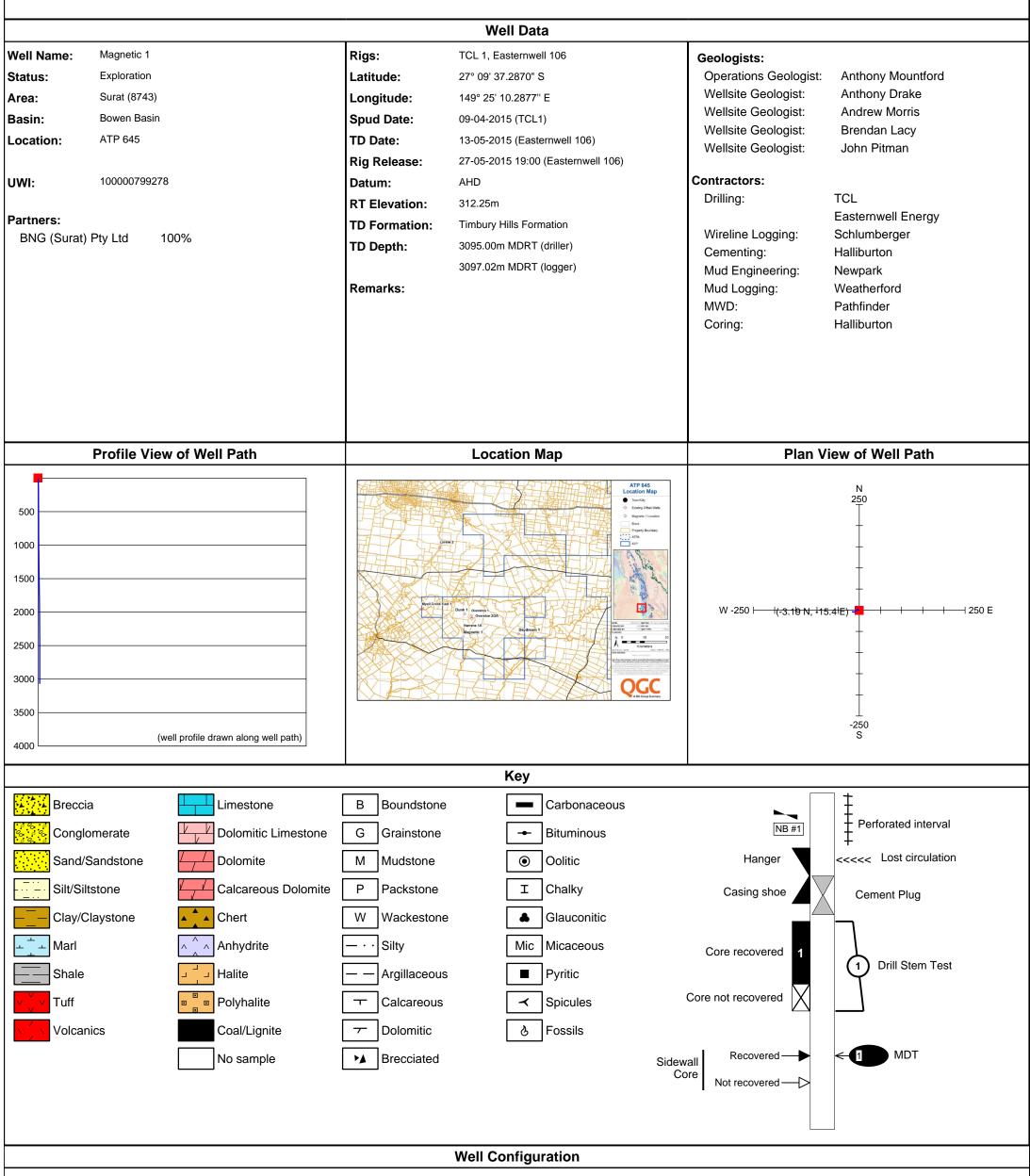
17 1/2"

12 1/4"



**Scale 1:500** 

## Composite Well Log



**Hole and Casing Details** 

**Comments** 

Hanger

(mMDRT)

Shoe

(mMDRT)

65.50

1200.00

2321 57

**Casing Size** 

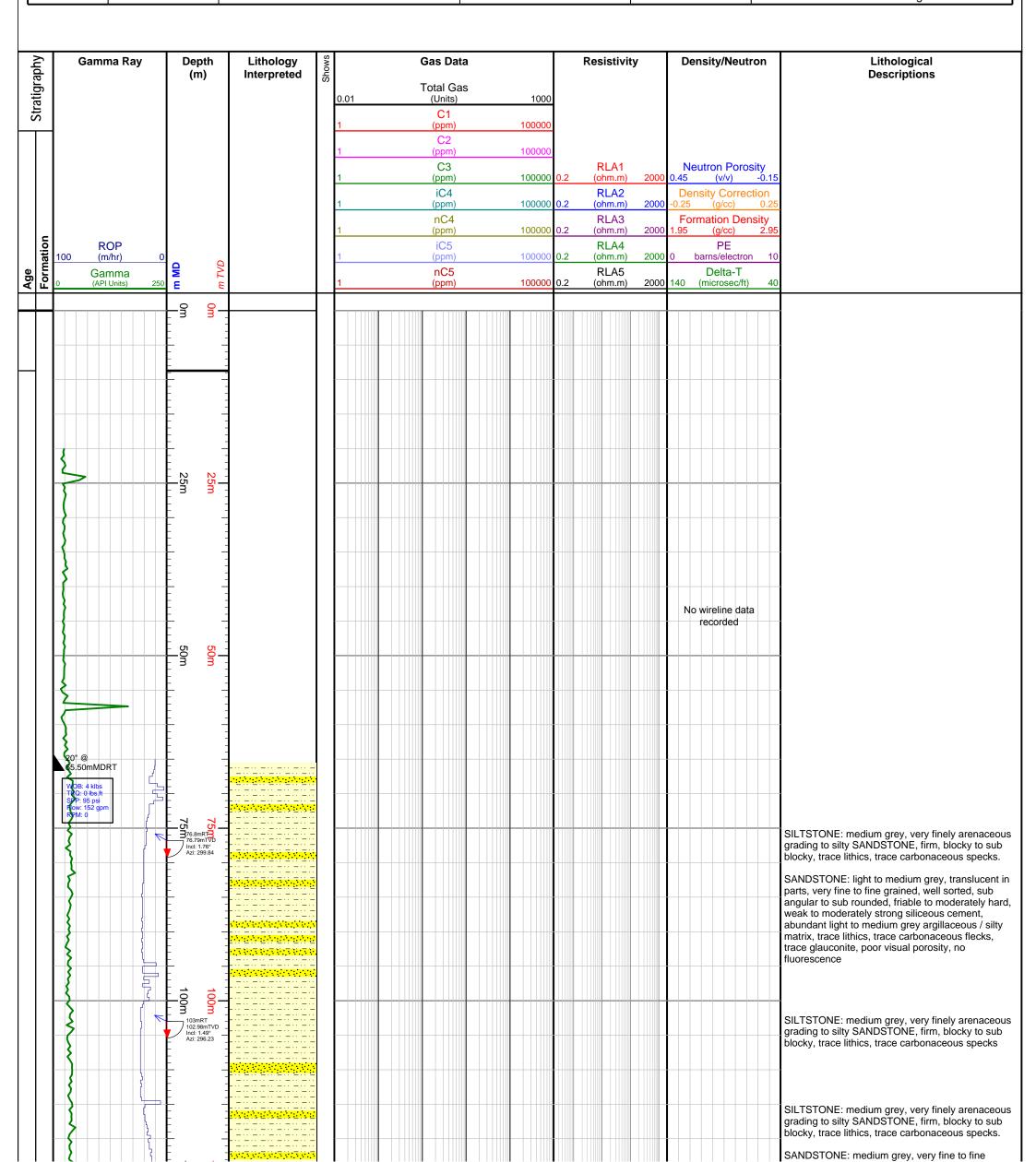
20"

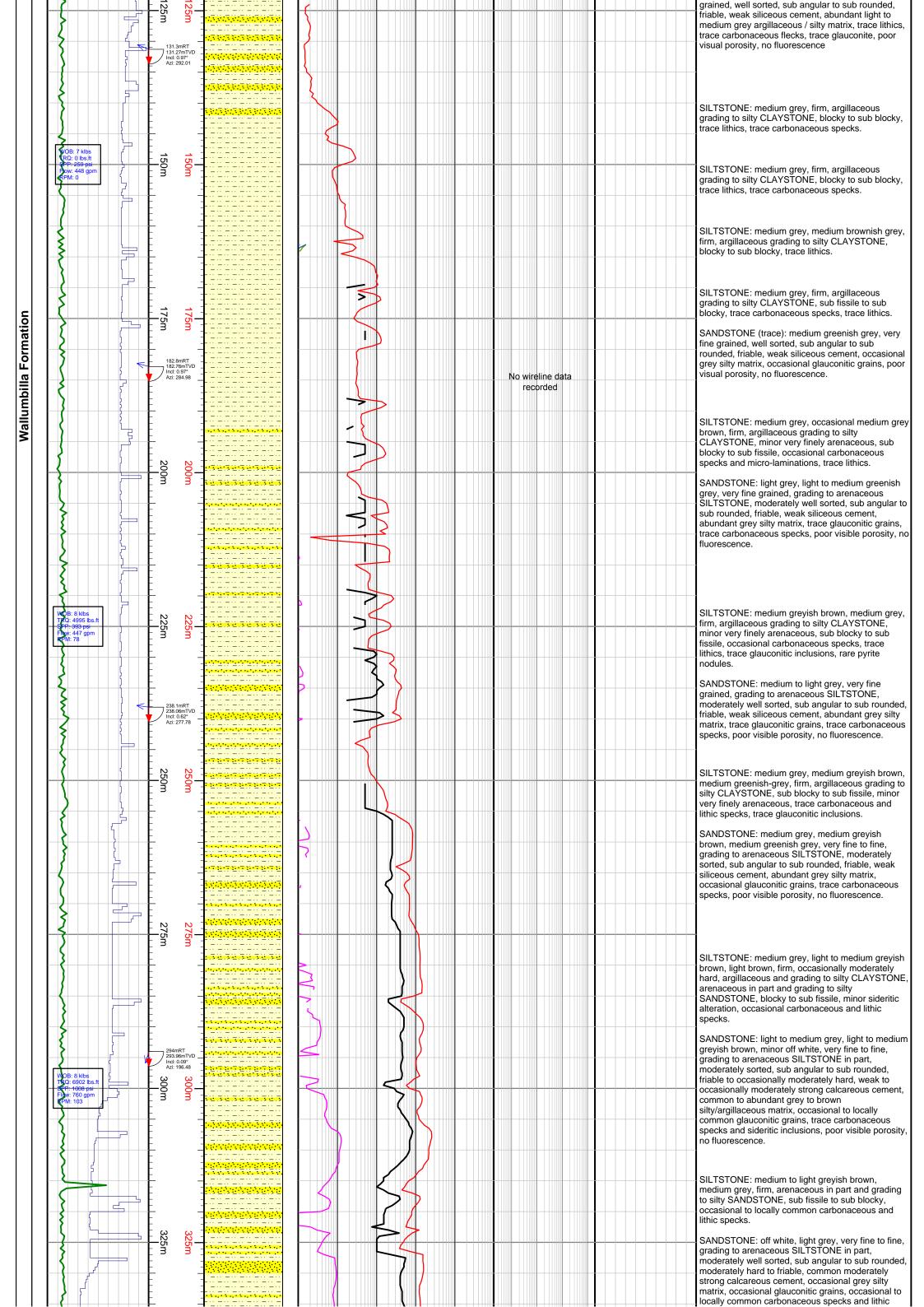
13 3/8"

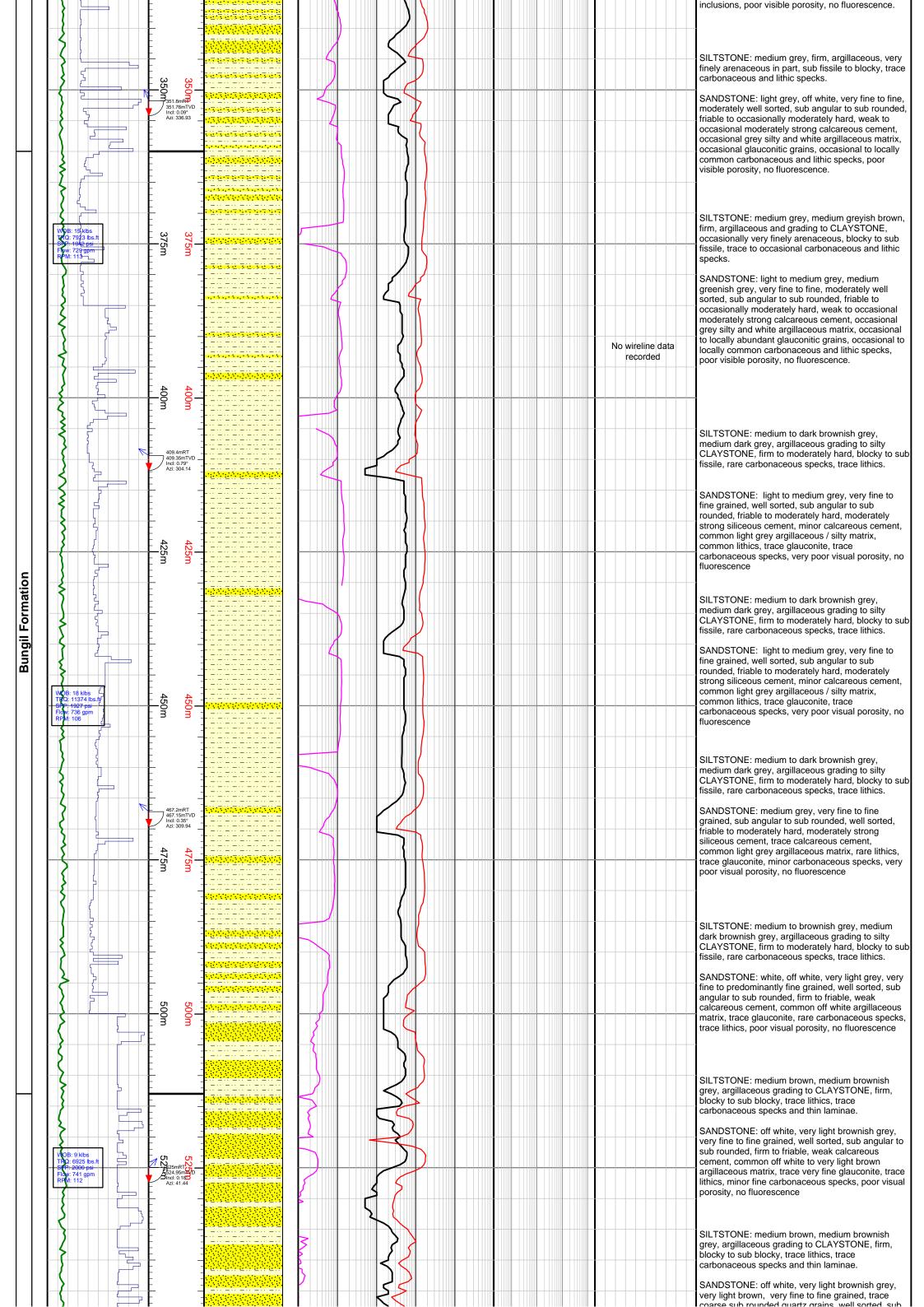
9 5/8"

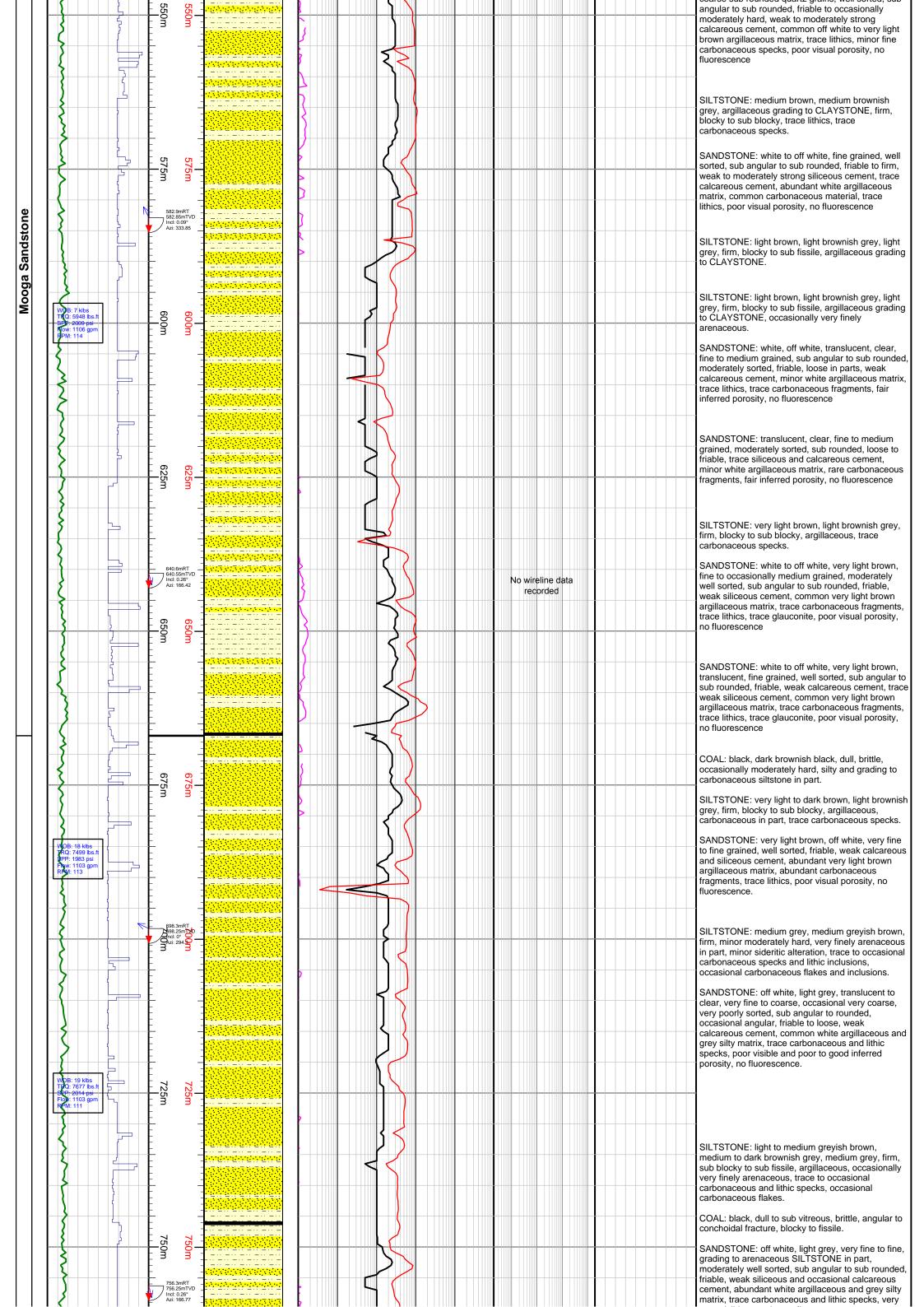
					1
8 1/2"	2327.00	N/A			
6 3/4"	3095.00	4 1/2"	3094.17	2205.04	

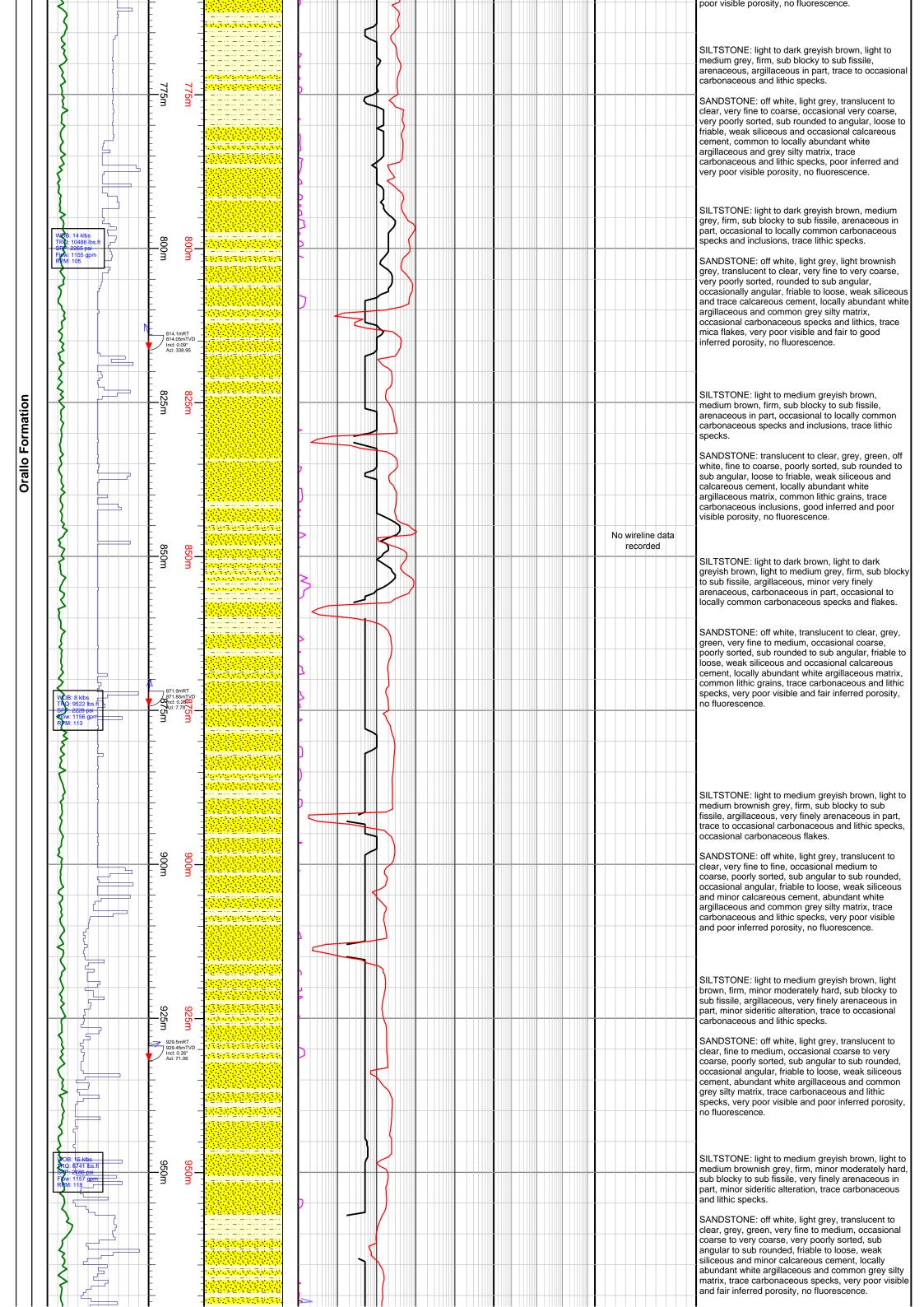
Wireline Logging Summary										
Suite/Run No Hole/Casing Size Suite Date(s) Interval (mMDRT) Comments										
1.1	12 1/4"	PEX-HRLA-SSCAN-PPC	01-05-2015	20.00 - 2326.60	Gamma only to surface					
2.1	6 3/4"	FMI-SSCAN-PPC	14-05-2015	2321.31 - 3097.02						
2.2	6 3/4"	PEX-HRLA-HNGS-APS	15-05-2015	2321.31 - 3097.02						
2.3	6 3/4"	CMR-ECS	15-05-2015	2321.31 - 3097.02						
2.4	6 3/4"	MSCT	15-05-2015 to 16-05-2015	2732.80 - 3040.70						
2.5	6 3/4"	VSI	16-05-2015 to 17-05-2015	1198.00 - 3095.00						
2.6	6 3/4"	CBL-VDL-CCL	17-05-2015	900.00 - 2321.31						
3.1	4 1/2"	JB-CCL	25-05-2015	2200.00 - 3039.77	Cased hole log					
3.2	4 1/2"	SCMT-PBMS	25-05-2015	2150.00 - 3042.51	Cased hole log					
3.3	4 1/2"	JB-CCL	25-05-2015	2000.00 - 3038.00	Cased hole log					
3.4	4 1/2"	RST-PBMS	26-05-2015	2700.00 - 3038.00	Cased hole log					
3.5	4 1/2"	TBDS	26-05-2015	2150.00 - 3040.00	Cased hole log					

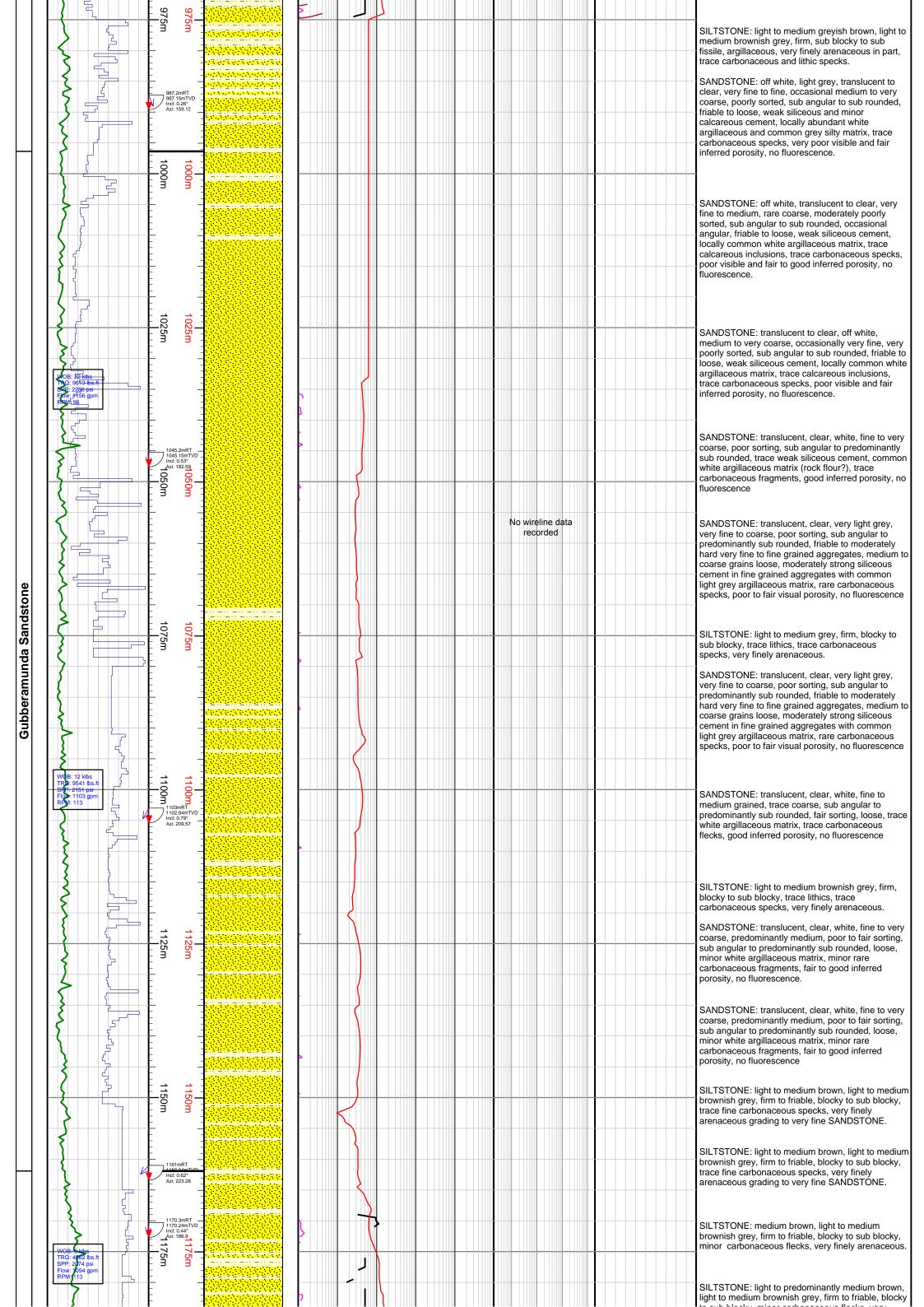


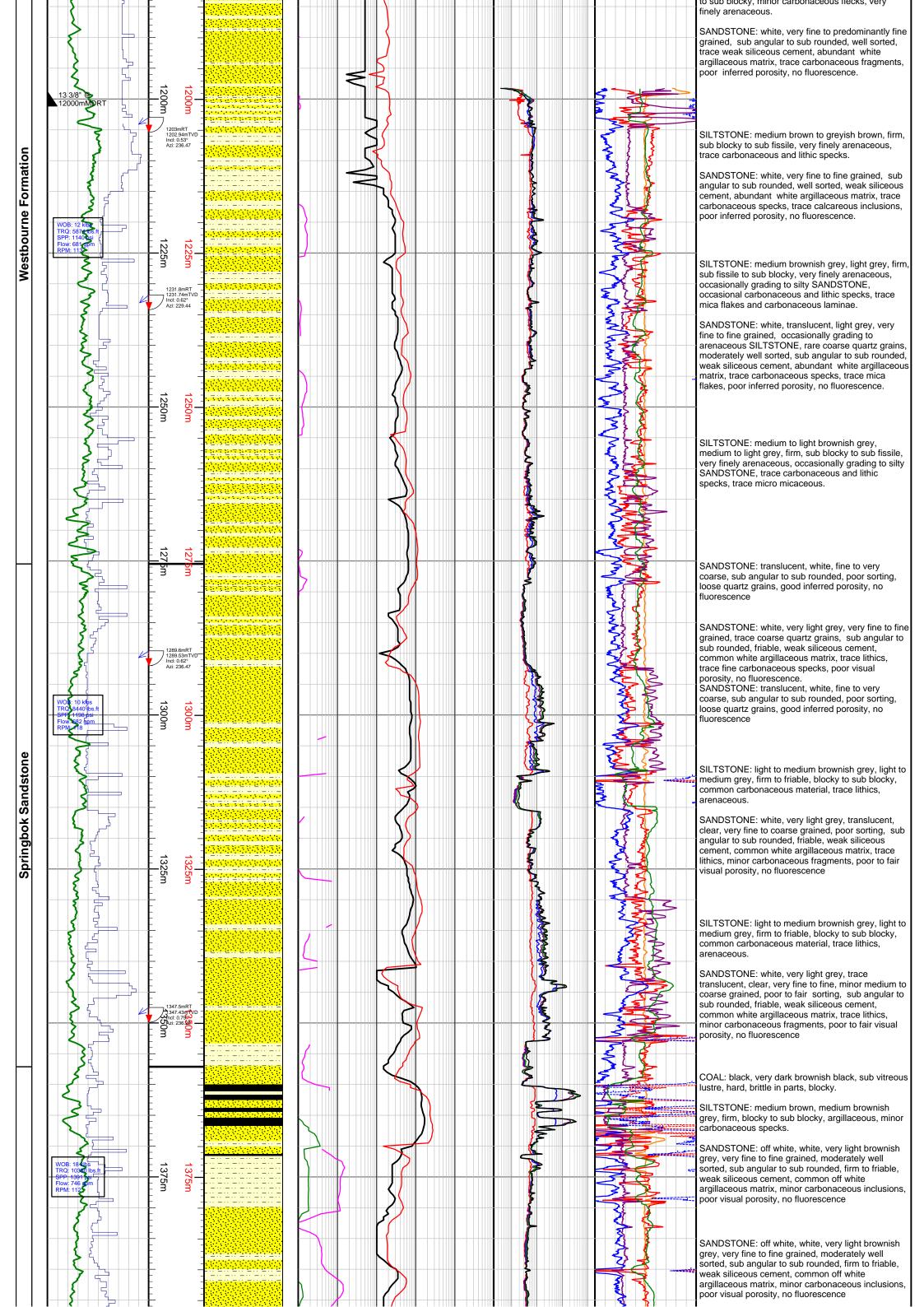


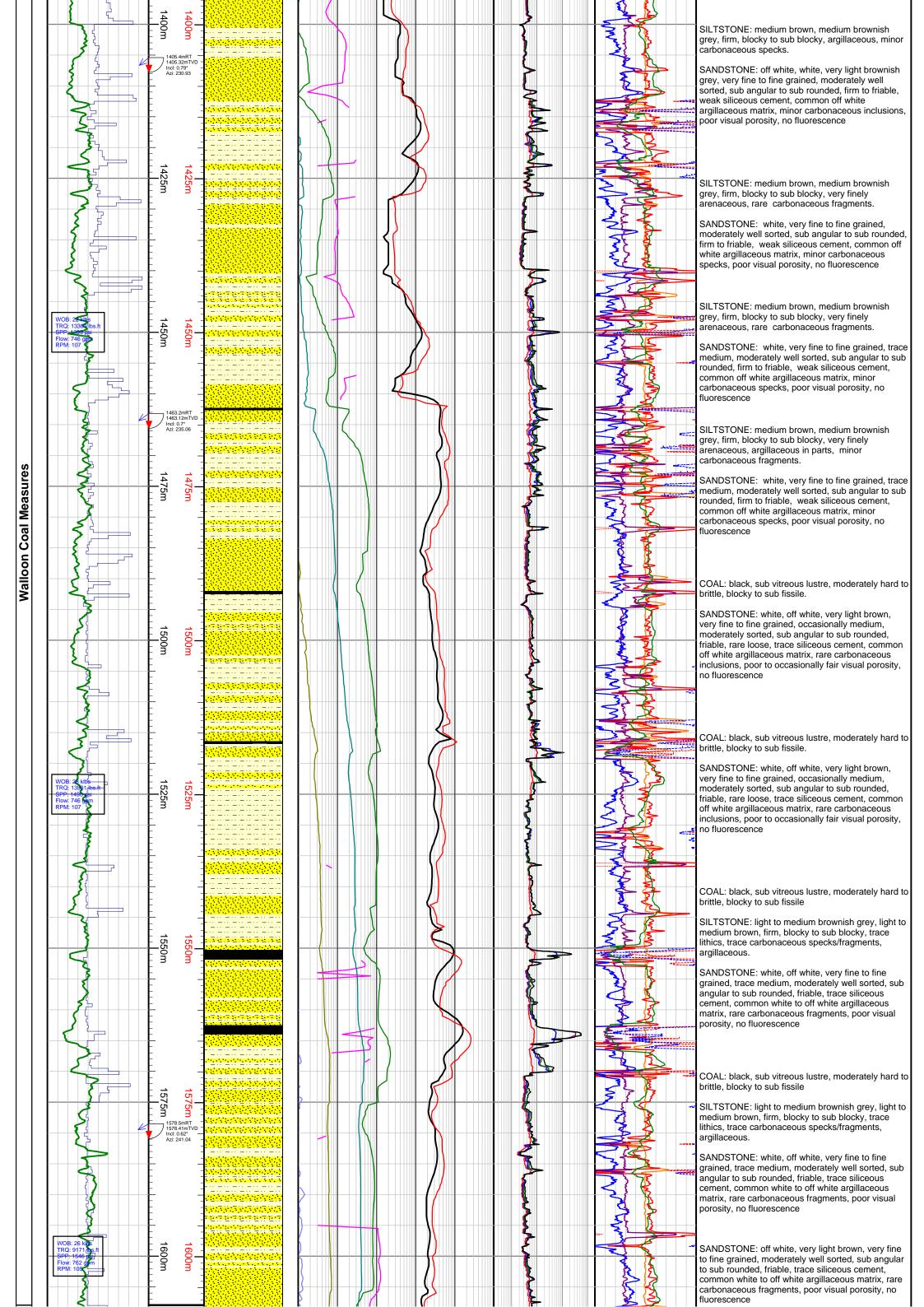


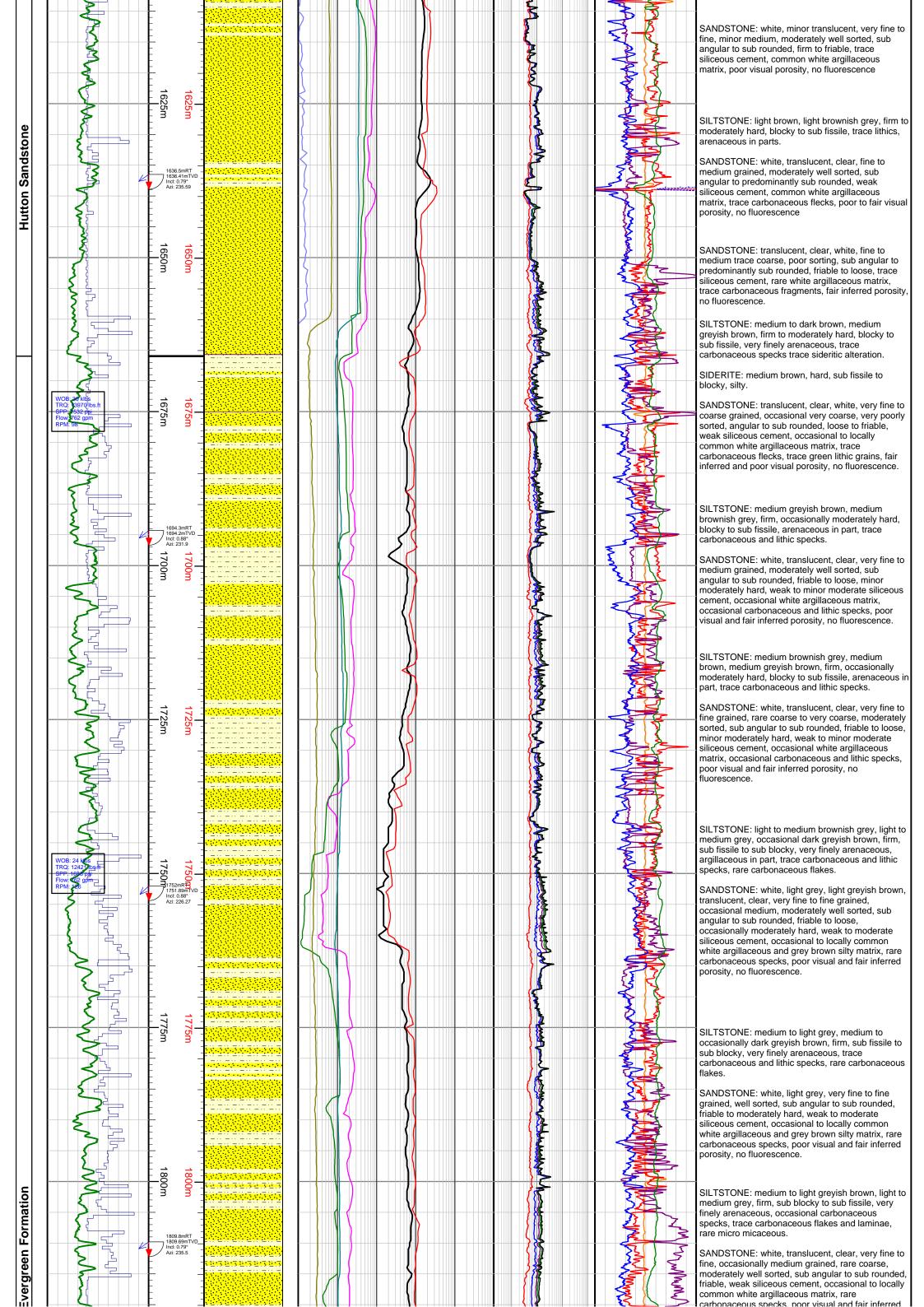


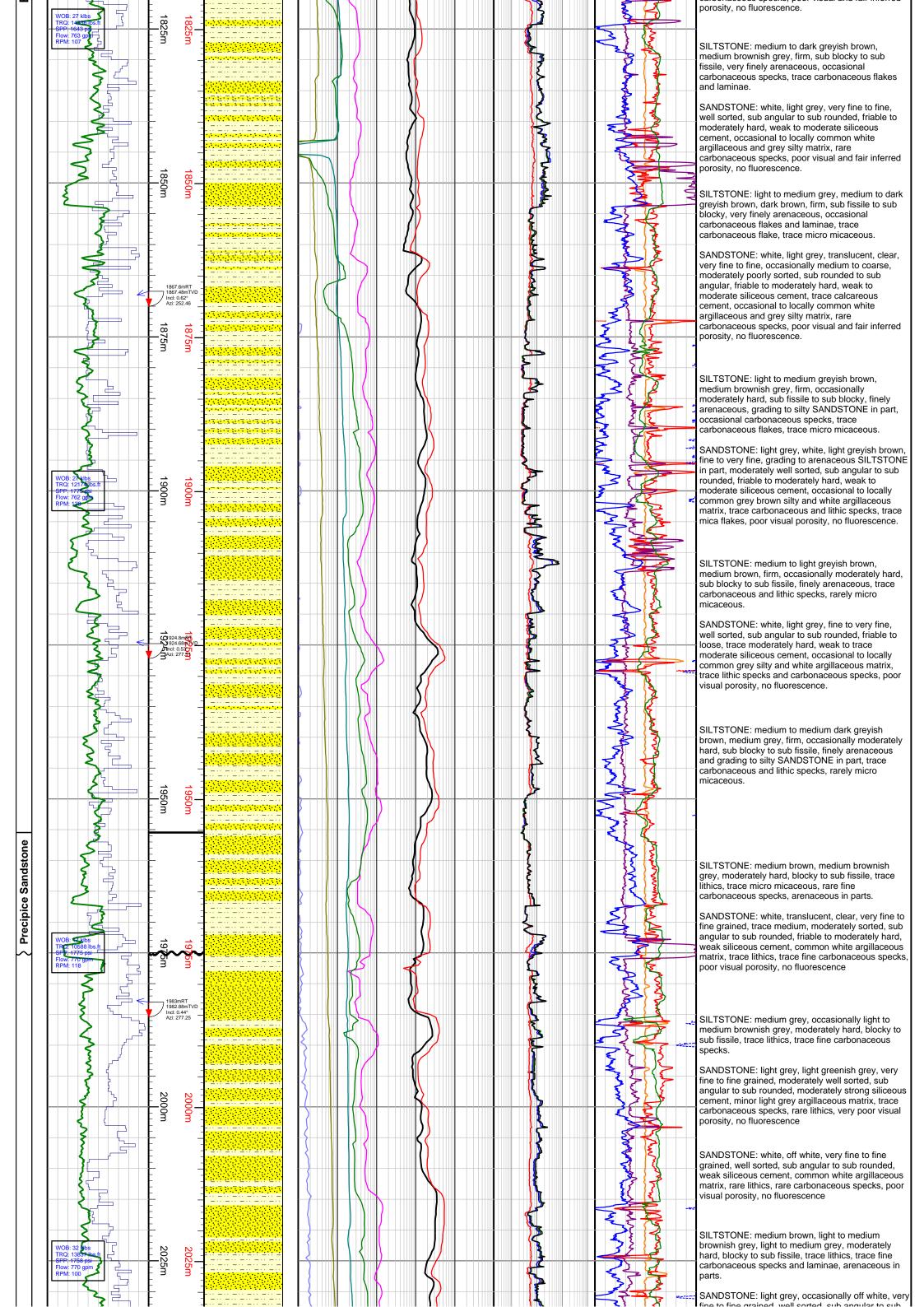


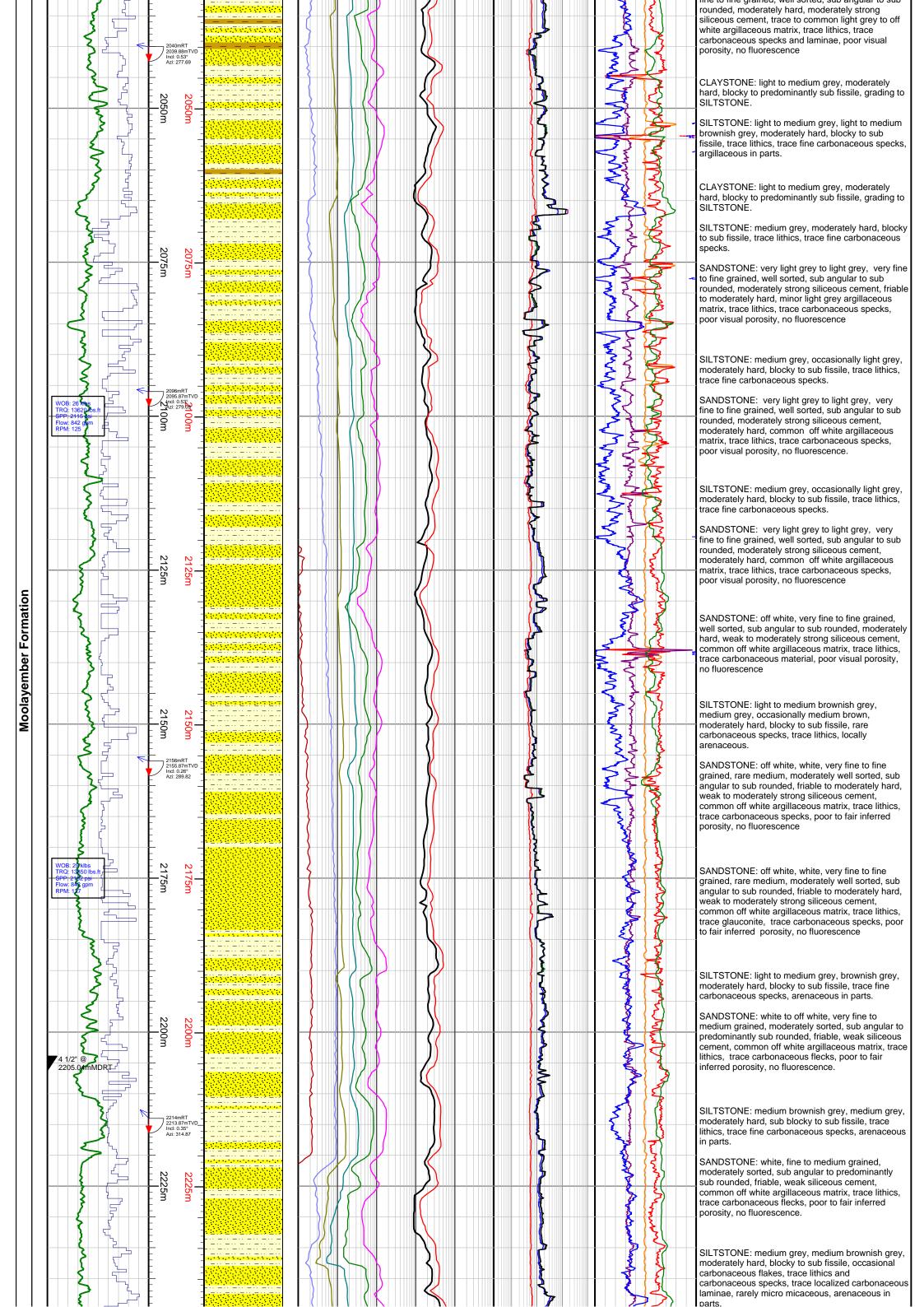


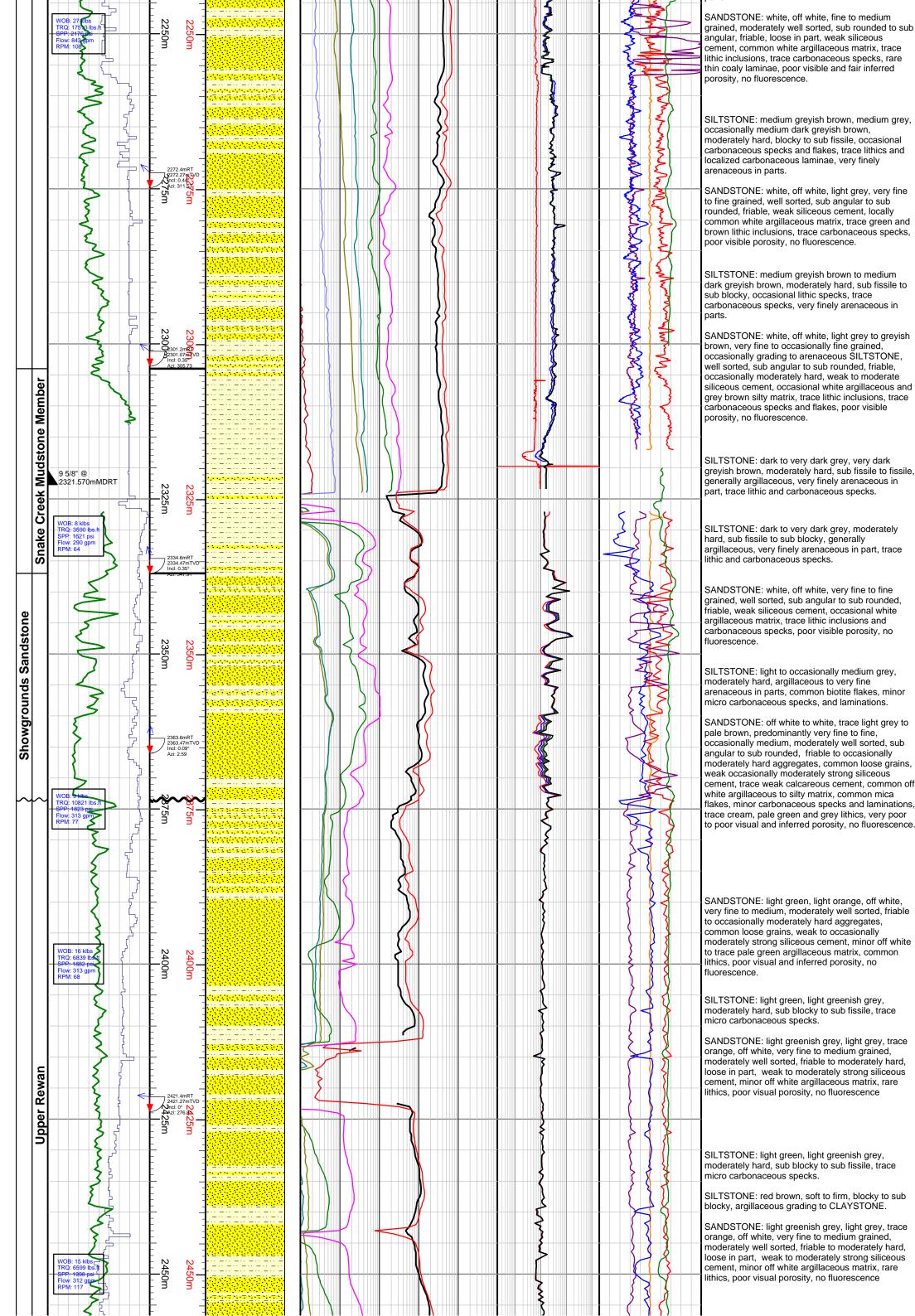


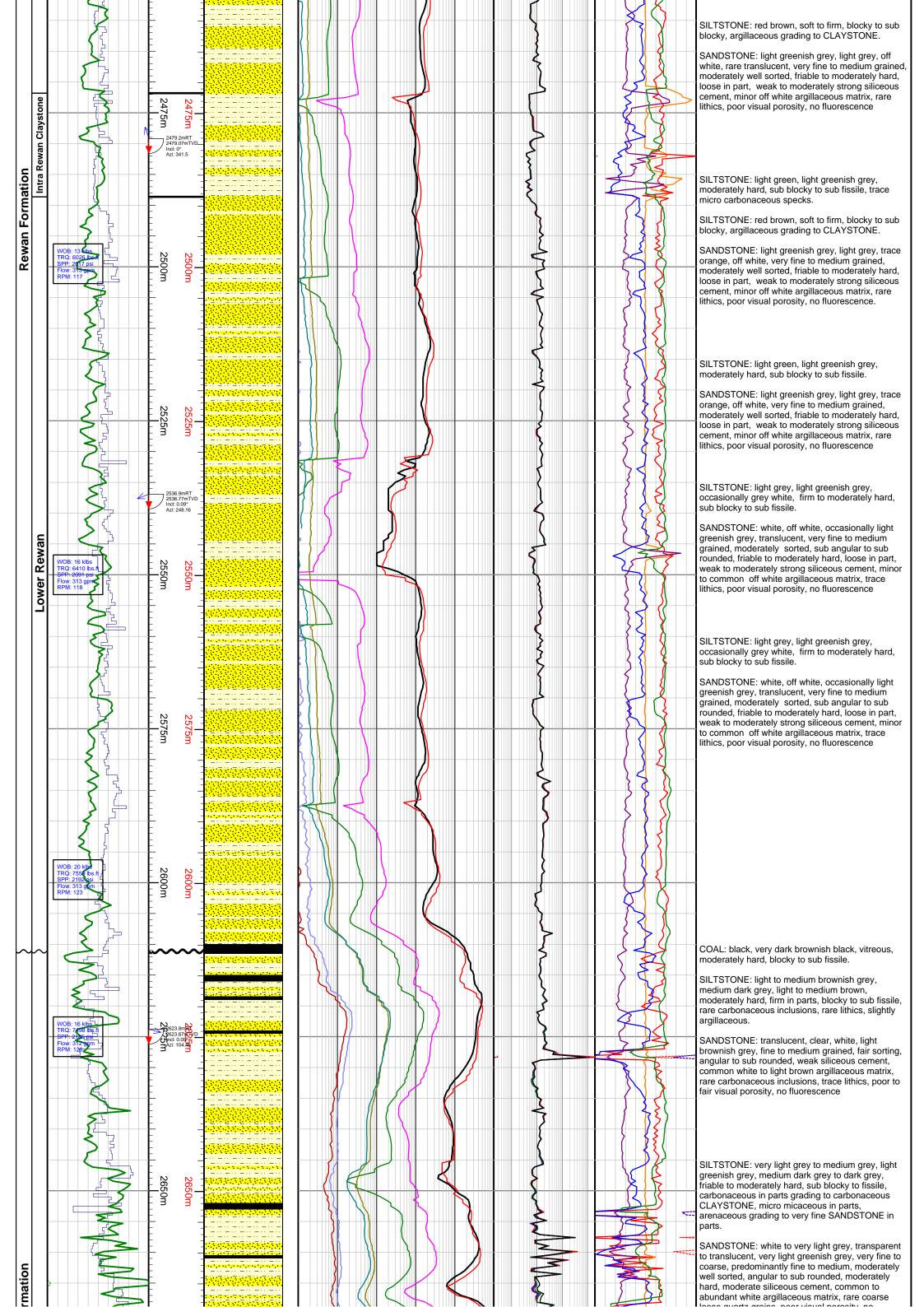


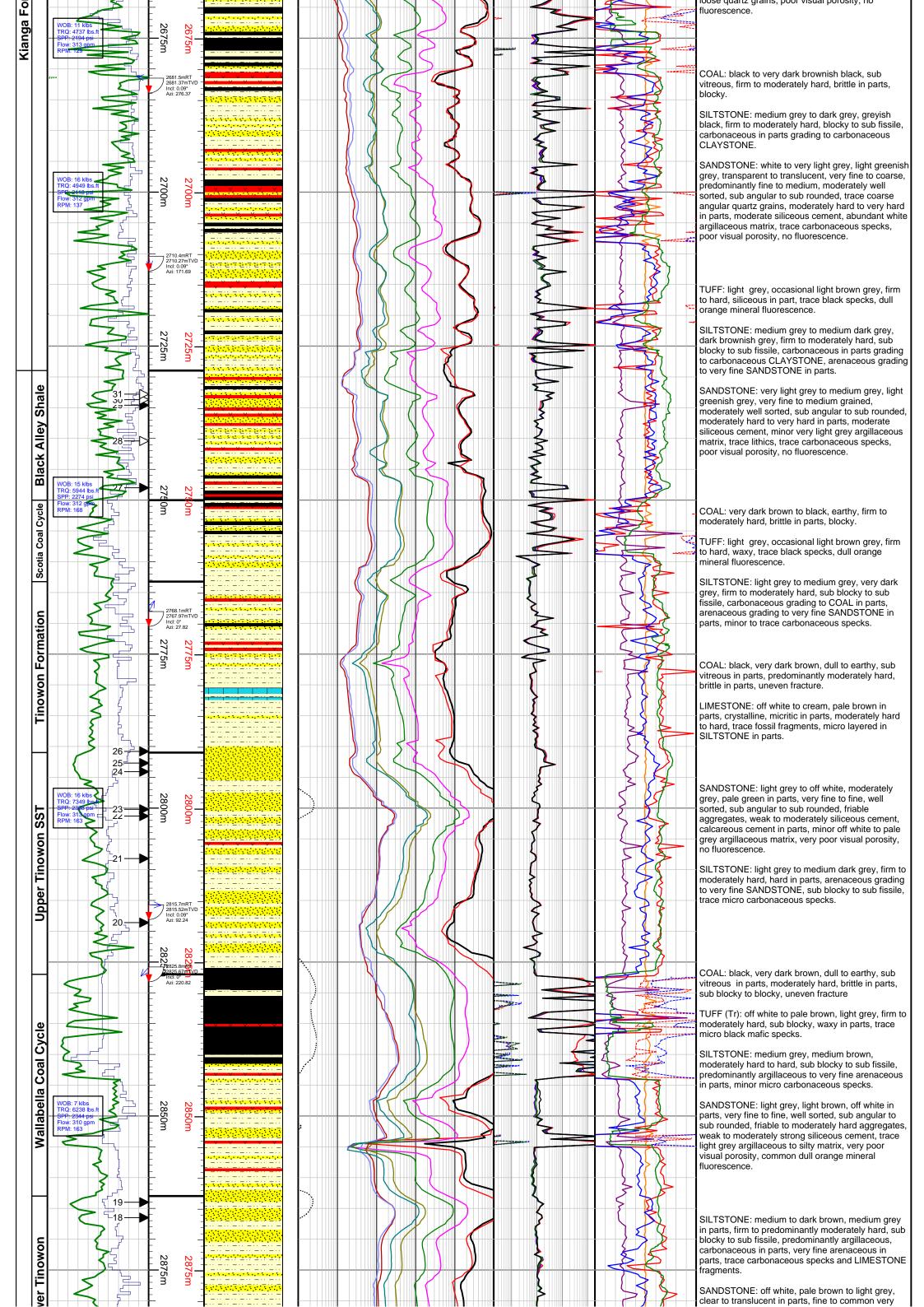


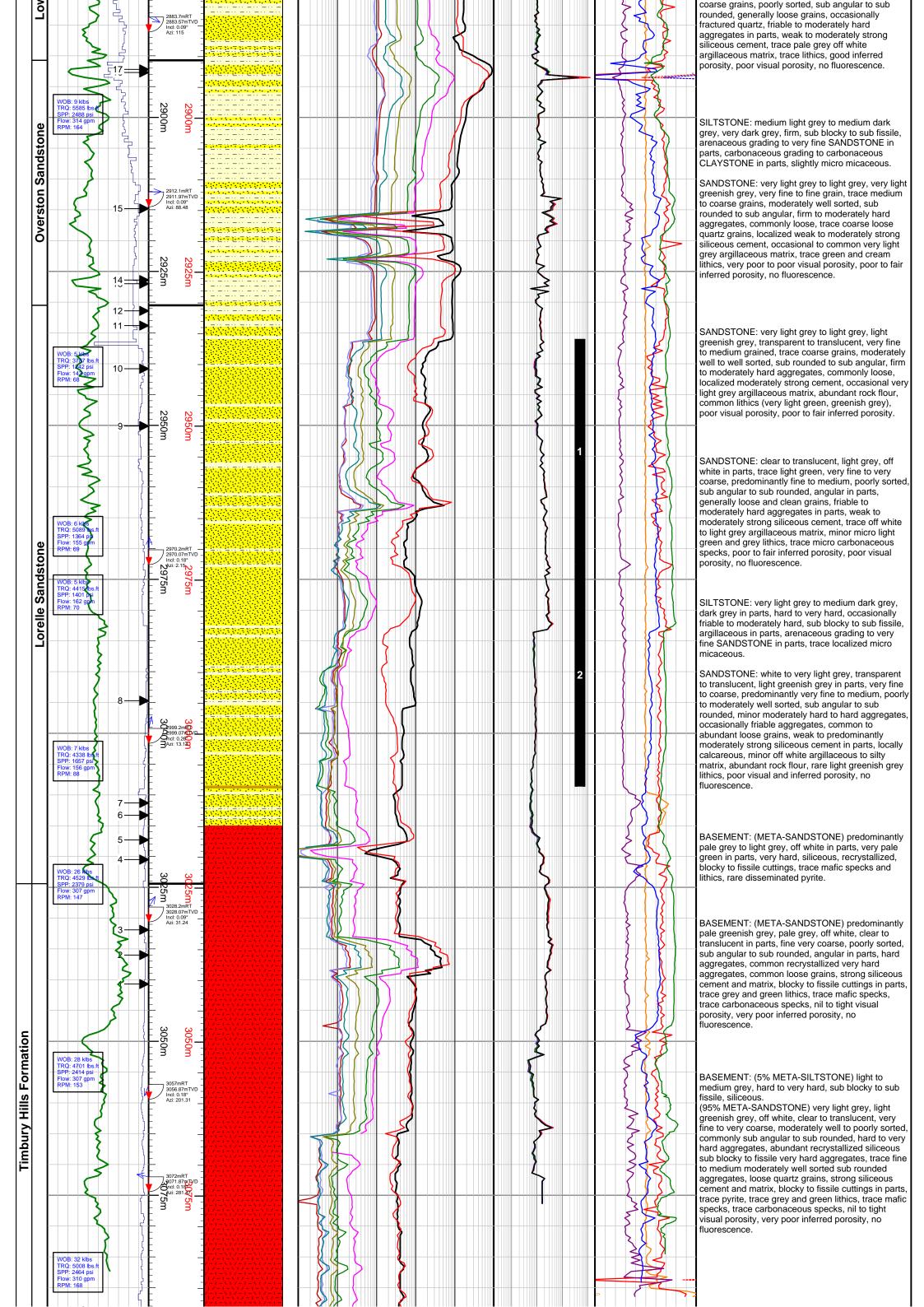












4 1/2" @ 3094.170mMDRT - - - - - - - - - -	<b>I</b>					
	Total Depth iller: 3095.00m MDRT gger: 3097.02m MDRT					
Gamma 0 (API Units) 250	0.01	Total Gas (Units)	1000 0.2		Delta-T 0 140 (microsec/ft) 40	
ROP 100 (m/hr) 0	1	C1 (ppm) 1 C2	00000 0.2	RLA4 (ohm.m) 200 RLA3	PE 0 0 barns/electron 10 Formation Density	
	1		00000 0.2	(ohm.m) 200 RLA2	0 1.95 (g/cc) 2.95  Density Correction	
	1		00000 0.2	(ohm.m) 200 RLA1	0 -0.25 (g/cc) 0.25  Neutron Porosity	
	1	(ppm) 1 nC4	00000 0.2	(ohm.m) 200	0 0.45 (v/v) -0.15	
		iC5	00000			
	1	nC5	00000			
		W.I. /				

## Magnetic 1 - COMPOSITE LOG

		Sidewall Cores			
epth (mMDRT)	Recovery	Lithology/Comments			
3040.70	Good	META-SANDSTONE: light grey to light greenish grey, re-crystalized quartz, hard to very hard, strong siliceous cement, trace to minor siliceous matrix, trace medium to coarse lithics trace pyrite, very poor to nil visible porosity, no fluorescence.			
3036.00	Good	META-SANDSTONE: light grey to light greenish grey, re-crystalized quartz, hard to very hard, strong siliceous cement, trace to minor siliceous matrix, trace medium lithics, rare pyrit very poor to nil visible porosity, no fluorescence.			
3031.90	Good	META-SANDSTONE: light grey to light greenish grey, re-crystalized quartz, hard to very hard, strong siliceous cement, trace to minor siliceous matrix, trace medium lithics, rare pyrit very poor to nil visible porosity, no fluorescence.			
3020.50	Good	META-SANDSTONE: light grey to light greenish grey, re-crystalized quartz, hard to very hard, strong siliceous cement, trace to minor siliceous matrix, trace META-SILTSTONE sub rounded to rounded very coarse to pebble, trace medium lithics, rare pyrite, very poor to nil visible porosity, no fluorescence. Fractured.			
3017.30	Good	META-SANDSTONE: light grey to light greenish grey, re-crystalized sub angular quartz, hard to very hard, strong siliceous cement, trace to minor siliceous matrix, trace to minor META-SILTSTONE sub rounded to sub angular very coarse to pebble, rare medium lithics, very poor to nil visible porosity, no fluorescence.			
3013.30	Good	META-SANDSTONE: light grey to light greenish grey, re-crystalized sub angular quartz, hard to very hard, strong siliceous cement, trace to minor siliceous/argillaceous matrix, minor to common SILTSTONE sub rounded to sub angular very coarse to pebble, trace pyrite, rare fine to coarse lithics, very poor to nil visible porosity, no fluorescence.			
3011.30	Good	CONGLOMERATIC SANDSTONE: very light grey to light greenish grey, commonly re-crystalized sub angular quartz grading to META-SANDSTONE, hard to very hard, strong siliceous cement, trace to minor siliceous/argillaceous matrix, minor medium grey SILTSTONE sub rounded to angular very coarse to pebble, minor to common medium to coarse greyish grey lithics, very poor to nil visible porosity, no fluorescence.			
2994.70	Good	CONGLOMERATIC SANDSTONE: very light grey to light greenish grey, commonly re-crystalized sub angular quartz grading to META-SANDSTONE, hard to very hard, strong siliceous cement, trace to minor siliceous/argillaceous matrix, minor medium grey SILTSTONE sub rounded to angular very coarse to pebble, common medium to pebble greyish grulithics, very poor to nil visible porosity, no fluorescence.			
2950.10	Good	SANDSTONE: very light grey to light brownish grey, very fine to very coarse clear to translucent quartz grains, sub angular to sub rounded, hard to very hard, poorly sorted, strong siliceous cement, common very light grey to light grey argillaceous matrix, trace medium grey lithics, poor to very poor visible porosity, no fluorescence.			
2940.80	Good	SANDSTONE: very light grey to light brownish grey, very fine to coarse predominantly transparent to translucent quartz grains, sub angular to sub rounded, hard, poorly to moderate sorted, moderately strong siliceous cement, common very light grey argillaceous matrix, trace medium grey to dark grey medium to coarse lithics, poor to very poor visible porosity, fluorescence.			
2933.80	Good	SANDSTONE: medium light grey to medium grey, very fine to medium grained, occasionally coarse quartz, sub angular to sub rounded, hard, moderately sorted, moderately strong siliceous cement, common medium grey argillaceous matrix, trace medium grey to dark grey lithics, poor to very poor visible porosity, no fluorescence.			
2931.40	Good	SANDSTONE: medium light grey to medium grey, very fine to medium grained, trace coarse, sub angular to sub rounded, hard, moderately to poorly sorted, moderately strong siliceous cement, trace light brownish grey argillaceous matrix, trace medium grey to dark grey lithics, poor to very poor visible porosity, no fluorescence.			
cement, t		SANDSTONE: very light grey to light brownish grey, very fine to very coarse grained, sub angular to sub rounded, hard, moderately to poorly sorted, moderately strong siliceous cement, trace very light grey to very light brownish grey argillaceous matrix, trace medium grey to dark grey lithics, trace carbonaceous fragments, poor visible porosity, no luorescence.			
2926.40	Good	ARENACEOUS SILTSTONE: medium grey to medium dark grey, arenaceous grading to very fine SANDSTONE, trace lithics, trace mica, trace pyrite, moderately hard to hard.			
2914.80	Good	ARENACEOUS SILTSTONE: medium grey to medium dark grey, arenaceous grading to very fine SANDSTONE, trace lithics, trace mica, trace pyrite, moderately hard to hard.			
2892.70	Good	SANDSTONE: very light grey to light greenish grey, transparent to translucent, mottled, fine to granule, sub rounded to sub angular, hard, poorly sorted, moderately strong cement, minor very light grey to very light brownish grey argillaceous matrix, trace lithics, poor to fair visible porosity, no fluorescence.			
2892.20	Good	CONGLOMERATIC SANDSTONE: light grey to medium grey, very fine to medium grained, common granules and pebbles, poorly sorted, hard, moderately strong cement, argillace in parts, very poor visible porosity, no fluorescence.			
2866.50	Good	SANDSTONE: very light grey to light brownish grey, very fine to very coarse grained, rare granule, sub angular to sub rounded, moderately hard to hard, moderately to poorly sorter moderately strong cement, minor very light grey to very light brownish grey argillaceous matrix, trace lithics, poor to fair visible porosity, trace speckled dull yellow fluorescence.			
2864.00	Good	SANDSTONE: very light grey to light brownish grey, very fine to very coarse grained, rare granule, sub angular to sub rounded, moderately hard, moderately to poorly sorted, moderately strong cement, minor very light grey to very light brownish grey argillaceous matrix, trace lithics, poor to fair visible porosity, trace speckled very dull yellow fluorescence			
2816.60	Good	SANDSTONE: light grey to light brownish grey, very fine to medium grained, sub angular to sub rounded, moderately hard, moderately to well sorted, moderately strong cement, tra light grey argillaceous matrix, trace lithics, poor to fair visible porosity, minor speckled dull yellow fluorescence. SILTSTONE: medium grey to medium dark grey, slightly arenaceous grading to very fine SANDSTONE, moderately hard to hard.			
2808.20	Good	SILTSTONE: medium grey to medium dark grey, arenaceous, minor dark grey argillaceous clasts, moderately hard.			
2801.30	Good	SANDSTONE: light grey to light brownish grey, very fine to medium grained, sub angular to sub rounded, moderately hard, moderately to well sorted, moderately strong cement, tracelight grey argillaceous matrix, trace lithics, poor to fair visible porosity, no fluorescence.			
2800.20	Good	SANDSTONE: light grey to light brownish grey, very fine to medium grained, sub angular to sub rounded, moderately hard, moderately to well sorted, moderately strong cement, milight brownish grey argillaceous matrix, trace lithics, poor to fair visible porosity, no fluorescence.			
2794.10	Good	SANDSTONE: very light grey to very light brownish grey, very fine to medium grained, sub angular to sub rounded, moderately hard, well sorted, moderately strong cement, minor light brownish grey argillaceous matrix, trace lithics, poor to fair visible porosity, no fluorescence.			
2792.70	Good	SILTSTONE: medium grey to medium dark grey, arenaceous in parts, common calcareous fragments, fossiliferous, moderately hard to hard.			
2790.80	Good	SILTSTONE: medium grey to medium dark grey, arenaceous, common calcareous fragments, fossiliferous, moderately hard to hard.			
2748.00	Good	SILTSTONE: light grey, light brownish grey, siliceous, lutaceous in parts, laminated, carbonaceous fracture infill, trace carbonaceous specks, hard.			
2740.40	None	Not recovered			
2734.60	Good	SANDSTONE: light grey to light brownish grey, very fine to medium grained, sub angular to sub rounded, moderately hard to hard, moderately to well sorted, moderately strong cement, trace very light grey argillaceous matrix, trace pyrite, laminated in parts, poor to fair visible porosity, no fluorescence.			
2733.70	None	Not recovered			
2732.80	None	Not recovered			

	Conventional Core									
No Interval (m MDRT) Cut (m) Recovered (m) Recovery (%) Formation										
1	2936.60 - 2972.60	36.00	36.41	101.0	Lorelle Sandstone					
2	2972.60 - 3008.60	36.00	36.00	100.0	Lorelle Sandstone					

	MWD Summary									
Hala Cina (inak)	Tool	D	Double Interval (mMDDT)	Data	Mass Tames (90)					

Hole Size (Inch)	1001	Run	Depth Interval (MIMDR1)	Date	wax remp (°C)
17 1/2"	HDS1-GAMMA RAY	1	69 - 1174	22-04-2015 to 24-04-2015	66
12 1/4"	HDS1-GAMMA RAY	2	1183 - 2304	27-04-2015 to 29-04-2015	70
6 3/4"	AWR-ABS-HDS1	3	2303 - 2928	05-05-2015 to 07-05-2015	82.5
6 3/4"	AWR-ABS-HDS1	4	2925 - 3075	12-05-2015 to 14-05-2015	83