DEPT. NAT. RES. & ENV.
PE914490

GEOSCIENCE
Since 1972
"Probing the Depths"

Client : Victoria Petroleum/Knight Industries

Borehole : KELLY #1

GEOPHYSICAL/GEOLOGICAL COMPOSITE LOG

Site No.:	St James	Area:	Victoria	Northing :	36" 16.36" S	Easting :	145" 53.08" E	Elevation :	135.5m

Depth Driller from GL to	862.0m	Date	30/10/01	Surveys this Well :	Density, Gamma, Calliper, Sonic, Neutron, Resistivity
Depth Logger	862.0m	Recorded By	Steve Webb		
Logging Datum	GL	Witness by:	I.B. Campbell		
Logged Interval	GL to 862m	Vehicle No.:	AL22		

MNEMONICS LIST

GR	NATURAL GAMMA
CALI	SINGLE ARM CALIPER
RES	SINGLE POINT RESISTANCE
LSD	LONG SPACED DENSITY
DT	SONIC TRANSIT TIME
DPOR	DENSITY POROSITY
NPOR	NEUTRON POROSITY
ANALYSIS	DERIVED FROM GEOPHYSICAL LOGS
GEOPHYS-LITH	DERIVED FROM ANALYSIS LOG
ROP	RATE OF DRILLING PENETRATION
GEOL-LITH	GEOLOGIST'S LITHOLOGY INTERPRETATION
STRAT	GEOLOGIST'S INTERPRETED STRATIGRAPHY
GEOLOGICAL NOTES	GEOLOGIST'S NOTES

LEGENDS

Geophysical Log Analysis

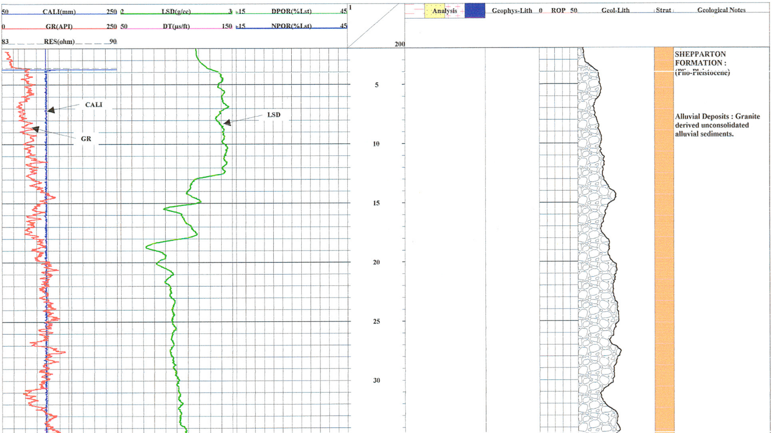
- 🟦 Porosity
- 🟨 Siliceous
- ▤ Shale/Mudstone
- ✚ Granite

Geological Interpretation

- ▨ Alluvial Deposits
- ▤ Mudstone
- ✚ Granite
- ▧ Shale
- ▥ Hornfels

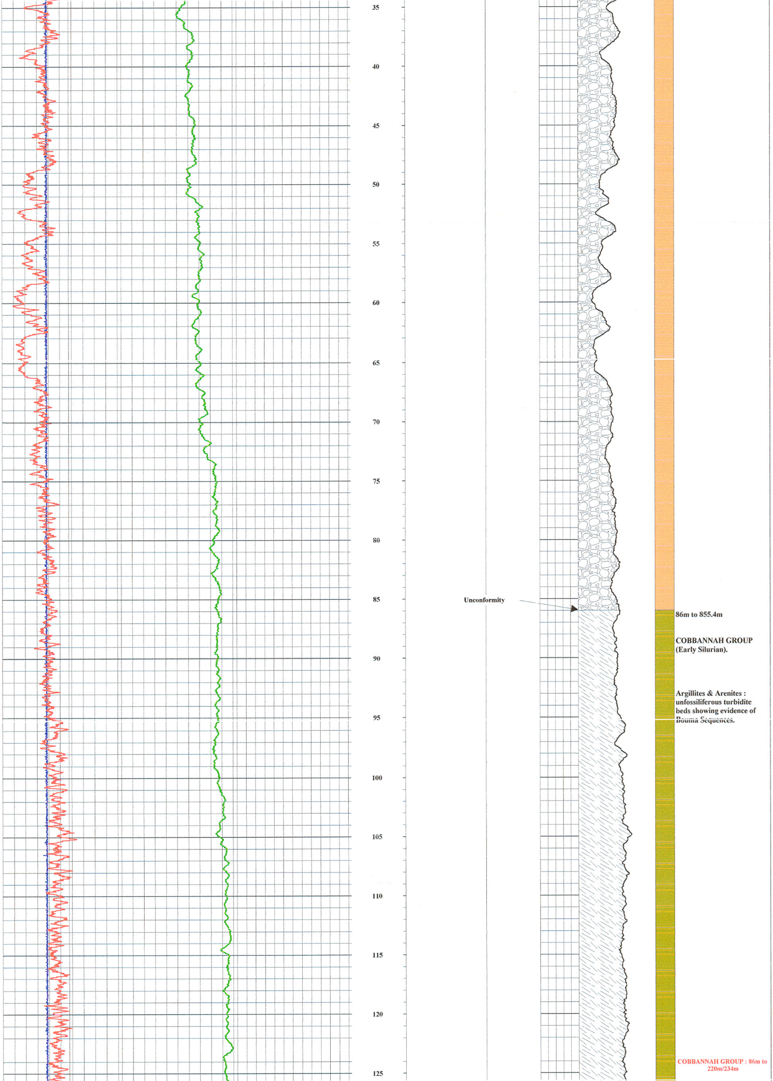
Stratigraphy

- 🟧 Shepparton Formation
- 🟥 Granite
- 🟩 Cobbannah Group



SHEPPARTON FORMATION :
(Plio-Pleistocene)

Alluvial Deposits : Granite derived unconsolidated alluvial sediments.

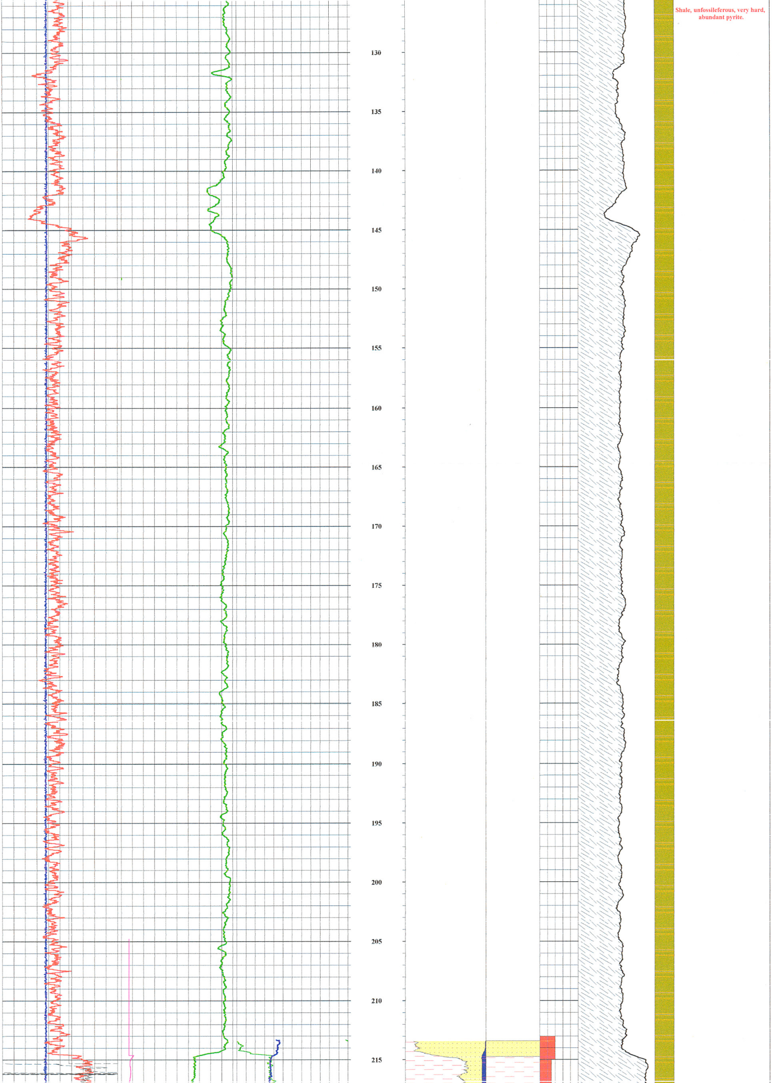


86m to 855.4m

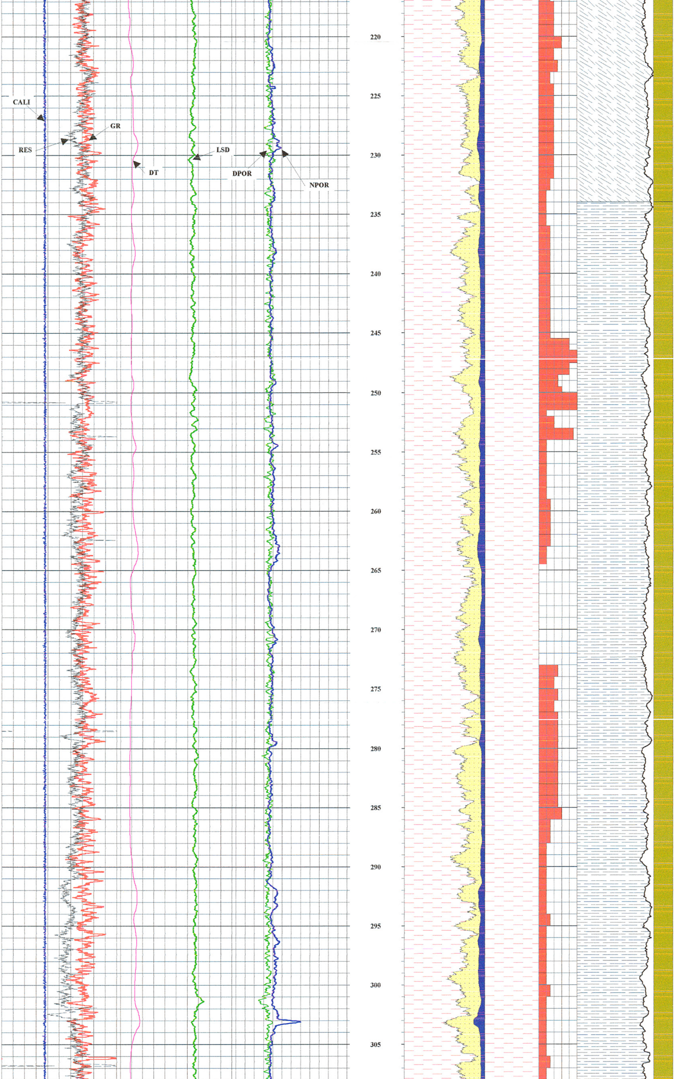
COBBANNAH GROUP
(Early Silurian).

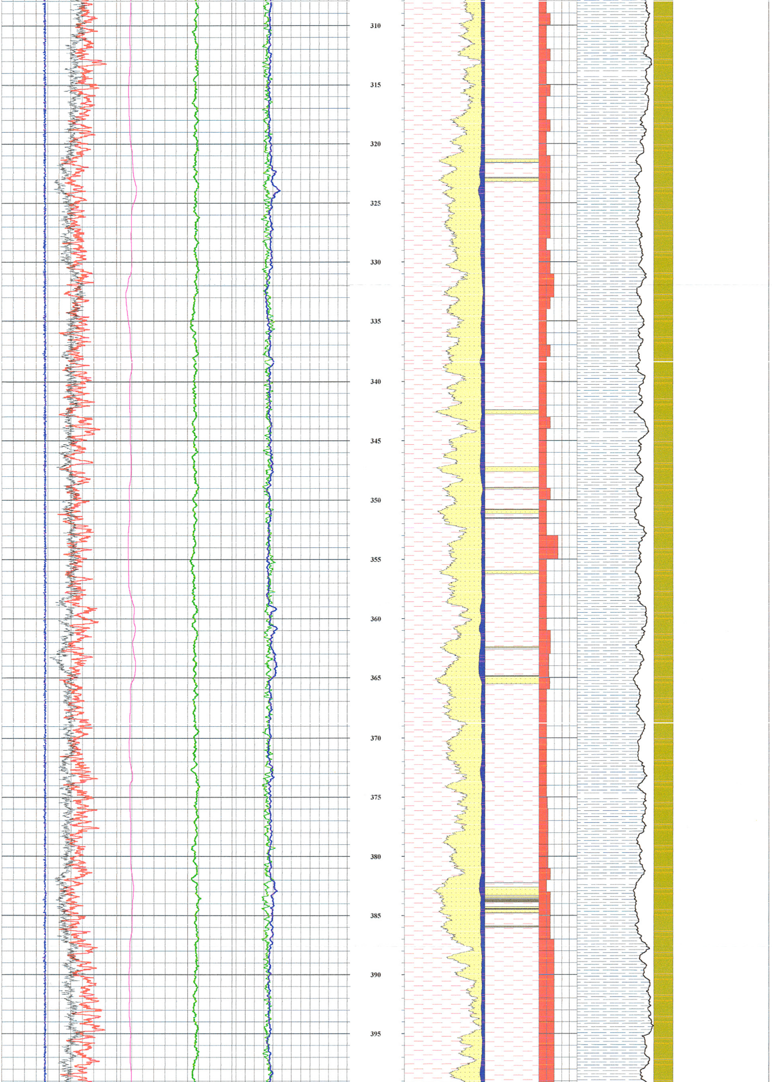
Argillites & Arenites : unfossiliferous turbidite beds showing evidence of Bouma Sequences.

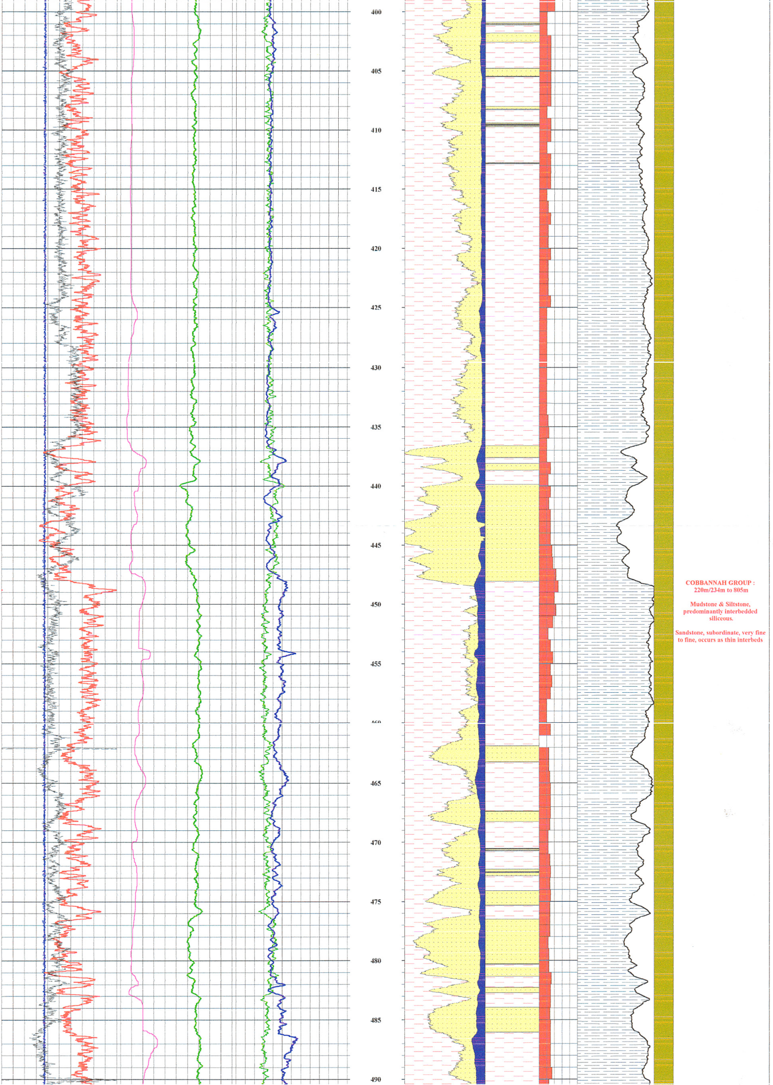
COBBANNAH GROUP : 86m to 220m/234m



Shale, unfossileferous, very hard, abundant pyrite.



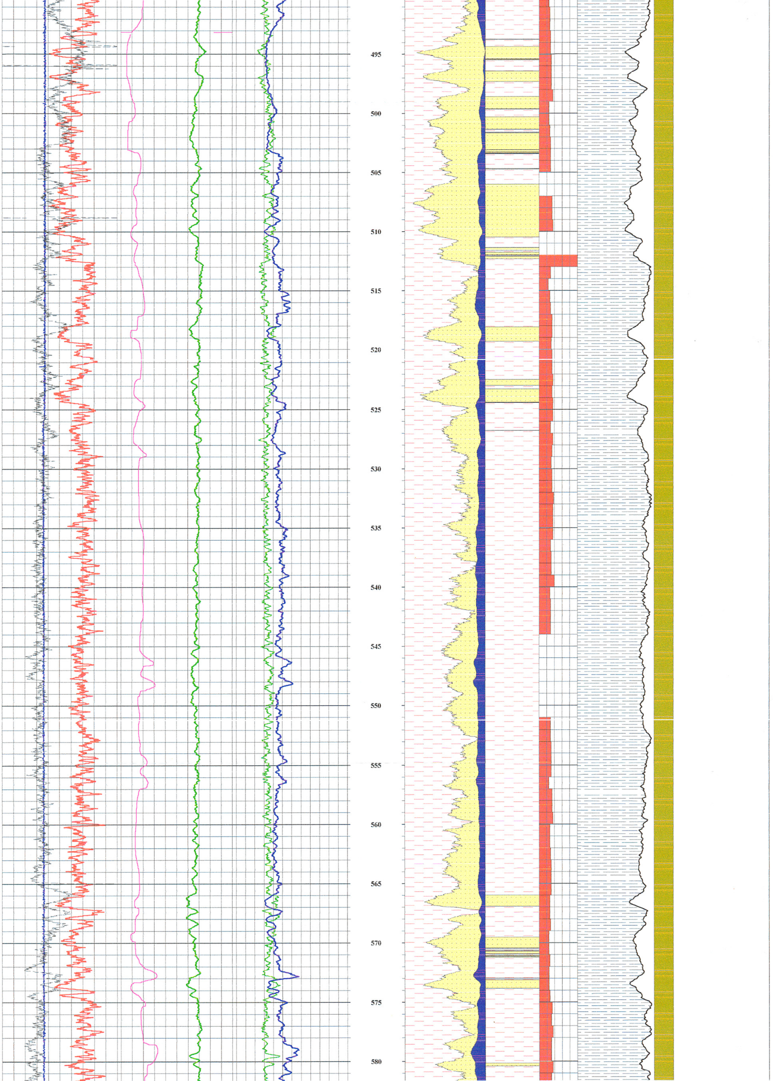


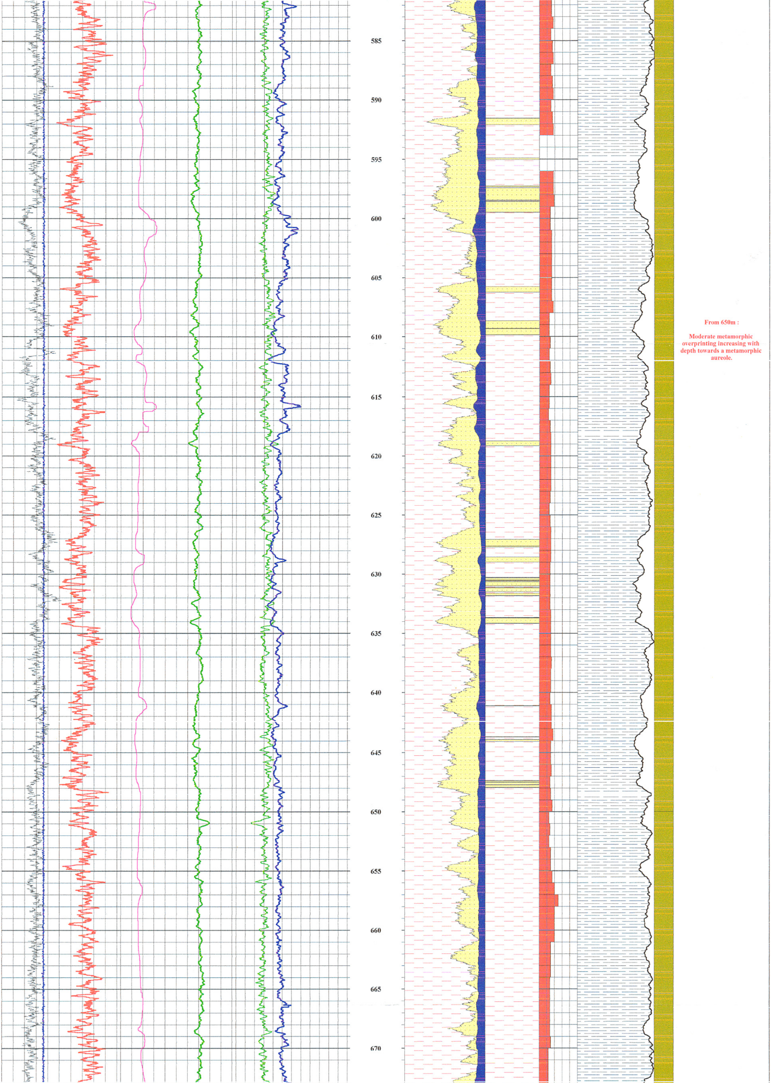


COBBANNAH GROUP :
220m/234m to 805m

Mudstone & Siltstone,
predominantly interbedded
siliceous.

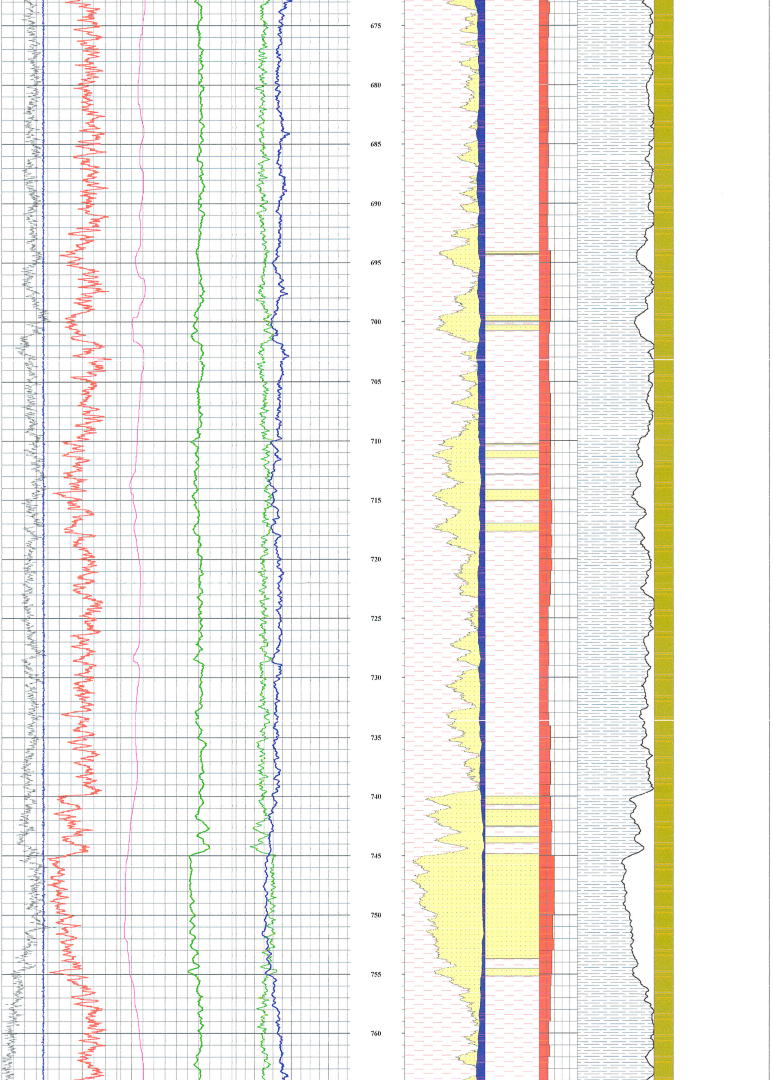
Sandstone, subordinate, very fine
to fine, occurs as thin interbeds

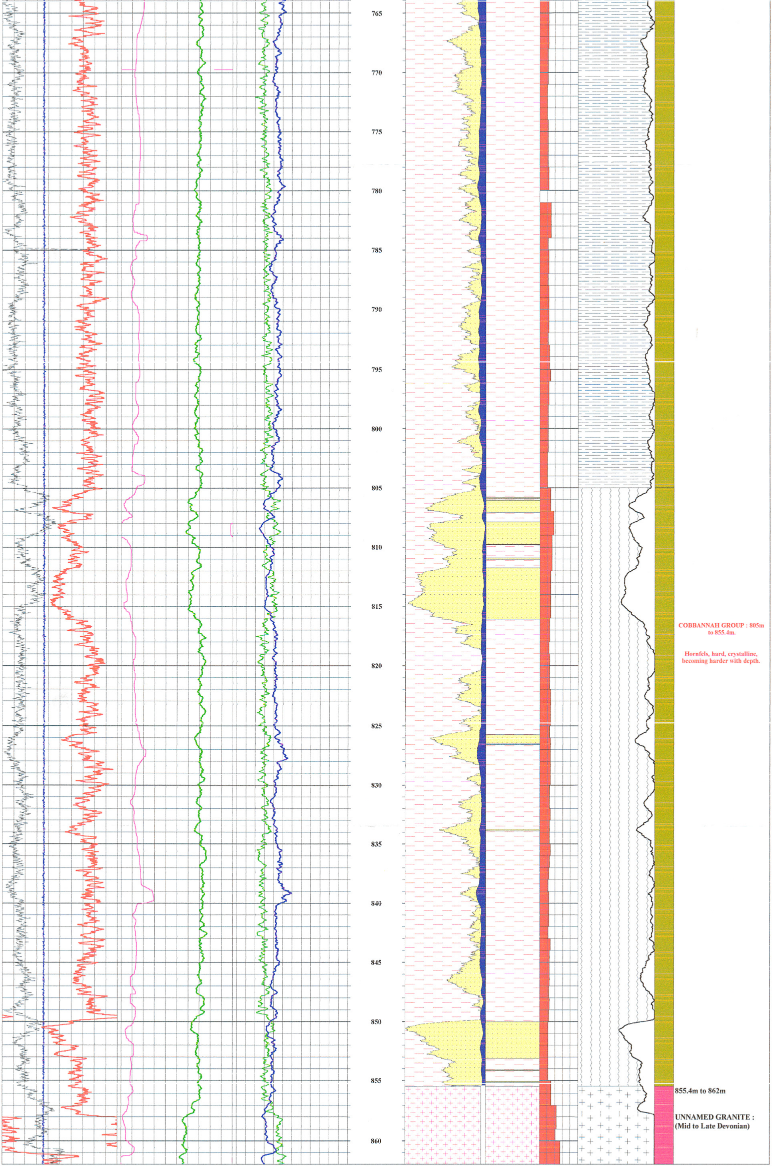




From 650m :

Moderate metamorphic overprinting increasing with depth towards a metamorphic aureole.





COBBANNAH GROUP : 805m to 855.4m.

Hornfels, hard, crystalline, becoming harder with depth.

855.4m to 862m

UNNAMED GRANITE : (Mid to Late Devonian)