$$I_{GR} = (GR_{log} - GR_{min})/(GR_{max} - GR_{min})$$
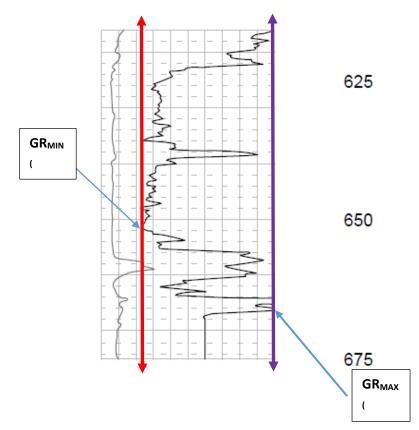
Shale volume $(V_{sh}) = 0.083(2^{3.7*I_{GR}} - 1.0)$ for younger or tertiary rocks.

$V_{sh} = 0.33 * (2^{2*I_{GR}} - 1.0)$ for older rocks

$V_{sh} \propto I_{GR}$

DT		
140	US/FT	40
NEUTRON		
.45	FRCT	−.15
DENSITY		
1.95	G/CC	2.95

CAL		
8	INCH	18
CR		
0	API	100

"DEPTH"

RES_DEEP		
.2	OHMM	2000
RES_SHAL		
.2	OHMM	2000

GR_{MIN}

(

GR_{MAX}

(

625

650

675