

4 Summary of Geological Computational Parameter Values

The following values were defined within each zone:

Zone:			1	2	3
1	GRmin	(API)	20.00	0.00	20.00
2	GRmax	(API)	90.00	20.00	90.00
3	Rw	(Ω/m)	0.045	0.045	0.045
4	Rw temp	($^{\circ}C$)	97.00	97.00	122.00
5	a		0.73	0.73	0.80
6	m		1.91	1.91	2.19
7	Rsh	(Ω/m)	2.50	70.00	5.00
8	SPmin	(mv)	-70.0	-80.00	-70.00
9	SPmax	(mv)	-15.0	-65.00	-15.00

5 Mud System (Fresh Water Polymer)

Mud Density		1.2	(9.35 ppg)
Mud Resistivity	(Rm)	1.3	Ω/m @ 22 $^{\circ}C$
Mud Filtrate Resistivity	(Rmf)	1.26	Ω/m @ 22 $^{\circ}C$
Mud Cake Resistivity	(Rmc)	1.75	Ω/m @ 19 $^{\circ}C$
Bottom Hole Temperature	(BHT)	134 $^{\circ}C$	(Static)

6 Formation Water Resistivity (Rw)

FORMATION	Rw @ 25 $^{\circ}C$	REMARKS
EVCN (Zone 1)	0.123 Ω/m	55000 ppm Calculated from Pickett Plot, Rwa and SP
EVCN (Zone 3)	0.140 Ω/m	48000 ppm Calculated from Pickett Plot, Rwa and SP