

**State 'T' No. 2
Water Saturation Calculations**

Formation	Rw
San Andres	0.165
Glorieta	0.085
Paddock	0.085
Blinberry	0.085
Tubb	0.085

$$S_w = \sqrt{(F * R_w / R_t)}$$

$$F = 1 / \Phi^2$$

Φ = porosity

Perforations	Formation Name	Rt	Φ (est)	S _w
4810'-50'	***Note*** San And	200	0.08	0.36
5290'-5300'	***Note*** San And	200	0.08	0.36
6210'-60'	San And	5	0.2	0.91
6300'-60'	Glorieta	20	0.15	0.61
6440'-55'	Glorieta	35	0.15	0.46
6610'-30'	Paddock	25	0.15	0.54
6770'-6880'	Paddock	15	0.15	0.70

Note: Dirty Gamma Ray, Possibly Tight

