

based on discussions with BP reservoir modellers and well test analysis

Estimation of Reservoir Area					
Original Oil Place	1.10E+08 bbl				
Formation Volume Factor (FVF) @ 150 Bar	2.50				
Volume of oil in reservoir	2.75E+08 bbl	1.50E+08 bbl	1 barrel =	5.01E+03	
Porosity	0.31				
Bulk volume of reservoir	8.27E+09 ft ³				
Reservoir thickness	89 ft				
Area of aquifer	5.01E+07 ft ²				
Square root of aquifer area	6.75E+3				

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Water compressibility, c _w	6.00E-06 1/psi				
Oil compressibility, c _o	3.00E-05 1/psi				
Trap compressibility, c _t	1.00E-05 1/psi				
Trap compressibility	1.00E-05 1/psi	0.001047 1/psi	1 psi =	0.00475728 1/psi	
Oil density	0.568 g/cc				
Oil viscosity	0.168 cp				1 cp = 0.001 Pa·s = 0.145038 dyn·cm/s
Production	45,000 - 10,000 bbl/d				
	115,000 - 102,000 bbl/d				
	645,000 - 574,070 ft ³ /d				

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