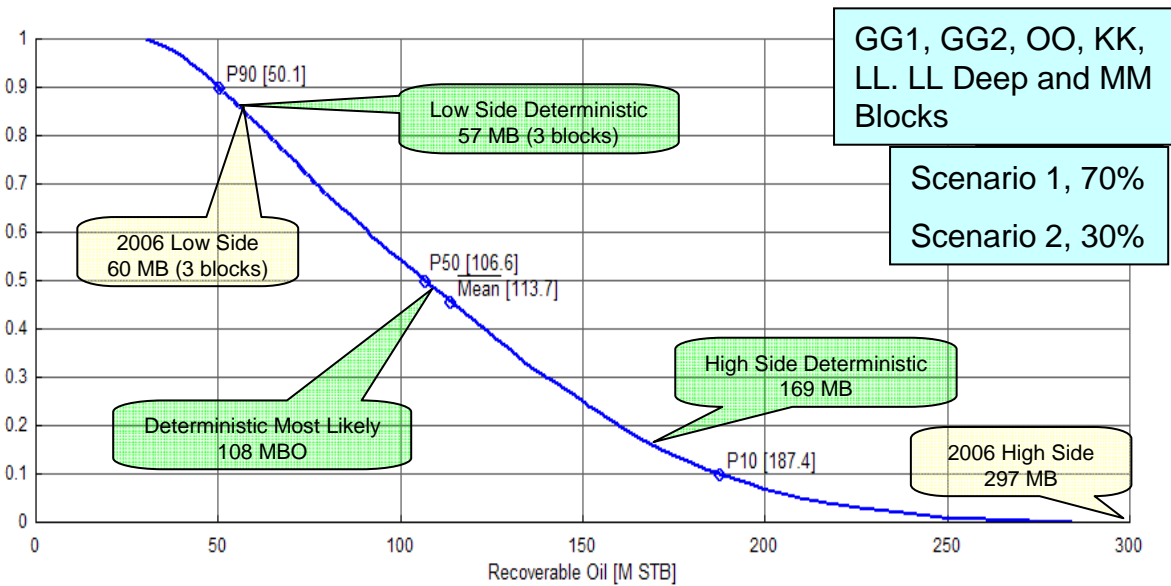


HSE Probabilistic Assessment Summary – Oct. 2009

GEOX Assessment

- 28 total segments
- GG1, GG2, OO, KK, LL, LLDeep, MM
 - MM2, NN – EXCLUDED
 - 4 layers (“Depth Wedge”, Layer 2, Medial Shale (non-reservoir), and Layer 3)
- Each input assessed as a range; Area, Thickness, Net/Gross, Porosity, Sw, FVF, OWC, RF
- Each block assessed with layers as conformable bed group



Two Scenarios

- Scenario 1 – Net/Gross as mapped by MC and in Geomodel , used range based on STDEV of offset wells (weighed 70%)
- Scenario 2 – Net/Gross anchor value constant across HSE with range based on STDEV of offsets (Weighed 30%)

HSE Assessment	Inputs
Parameter	Comments
Area	Average of Layer 3 applied to all for conformable bed group
Thickness	Defined by seismic, thins to the southeast
Depth Uncertainty	Wedge at top pf beds as proxy for depth uncertainty up to, +- 1% at 500mss
Net/Gross	As mapped from revised EOD maps, offset wells
Porosity	Depth Function, STDEV Binned with Increase with depth
Oil Saturation	Function of Porosity (High Positive correlation)
FVF	Offset wells
Recovery Factor	@RISK

Oct.1 2009 Scenario 1									
Rev 18 RF	STOPIP MBO				EUR MBO				
Block	P90	P50	P10	10 to 90 Ratio	P90	P50	P10	10 to 90 Ratio	
GG1	46.9	89.4	144.0	3.1	23.4	43.6	71.5	3.1	
OO	0.5	3.3	11.2	24.8	0.2	1.2	3.9	24.6	
GG2	12.7	28.9	49.8	3.9	6.2	14.1	24.9	4.0	
KK	19.8	47.8	93.0	4.7	8.7	21.0	41.6	4.8	
LL	9.8	26.4	62.9	6.4	4.2	11.6	28.5	6.8	
LLDeep	0.0	1.2	22.2		0.0	0.5	9.7		
MM	10.4	23.9	50.8	4.9	4.1	9.5	20.4	5.0	
Total	100.1	220.9	433.9	4.3	46.8	101.5	200.5	4.3	
GEOX Total	104.8	222.7	380.6	3.6	47.9	102.5	178.8	3.7	
Scenario 2									
Rev 20	STOPIP MBO				EUR MBO				
Block	P90	P50	P10	10 to 90 Ratio	P90	P50	P10	10 to 90 Ratio	
GG1	47.0	89.6	145.9	3.1	22.9	43.7	73.6	3.2	
OO	0.5	4.1	14.4	28.7	0.2	1.5	5.1	30.2	
GG2	14.1	32.3	55.4	3.9	6.9	16.2	28.1	4.1	
KK	26.7	62.8	119.8	4.5	11.7	27.5	55.0	4.7	
LL	9.3	28.5	65.5	7.0	3.9	12.6	29.8	7.6	
LLDeep	0.0	1.3	32.2		0.0	0.6	14.5		
MM	13.3	30.6	63.6	4.8	4.9	11.8	25.8	5.3	
Total	110.9	249.2	496.8	4.5	50.5	113.9	231.9	4.6	
GEOX Total	125.4	256.2	436.4	3.5	58.2	117.8	205.3	3.5	