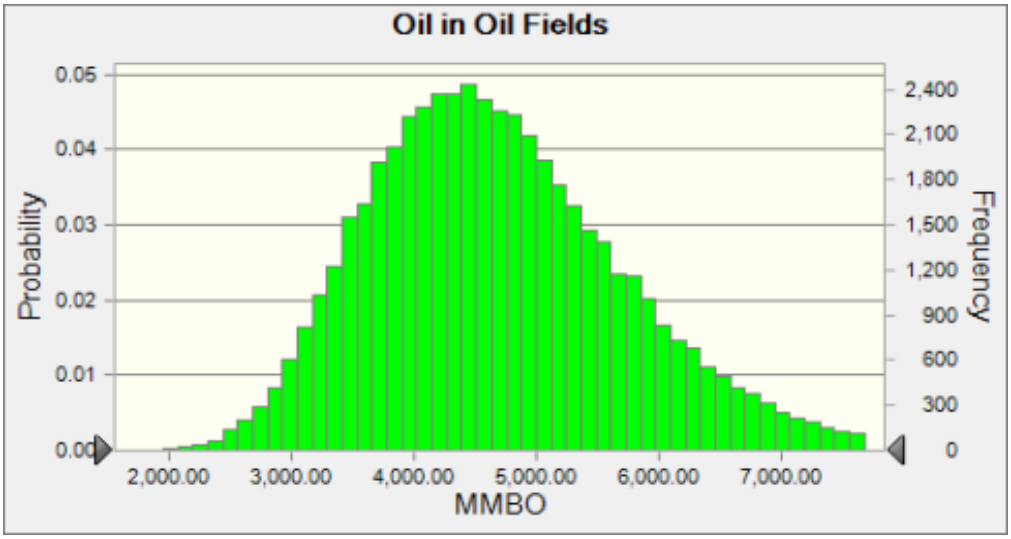
60410101
Mesozoic-Cenozoic Reservoirs
Monte Carlo Results

Forecast: Oil in Oil Fields

Summary:
Entire range is from 15.69 to 9,792.39
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 4.77



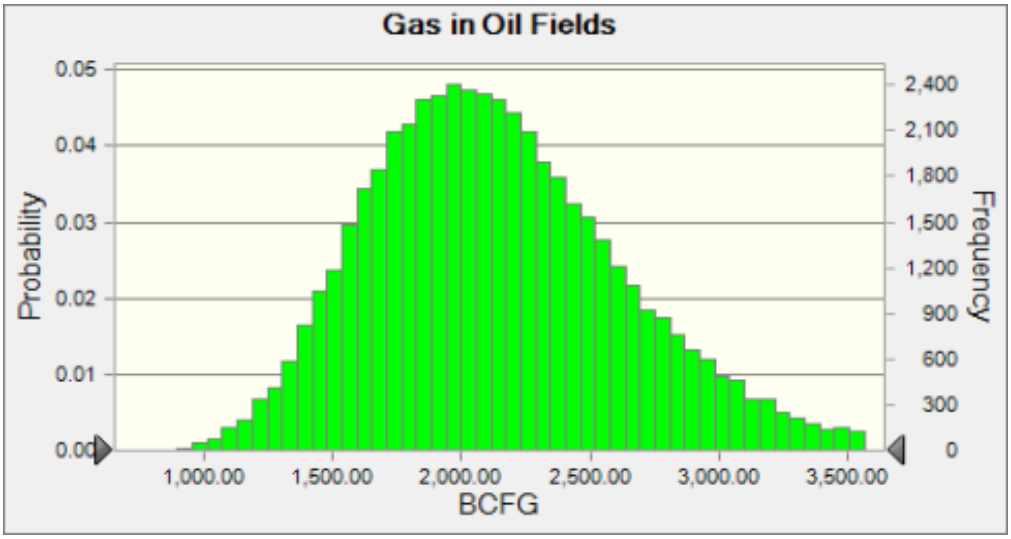
Statistics:	Forecast values
Trials	50,000
Mean	4,697.66
Median	4,585.28
Mode	---
Standard Deviation	1,066.26
Variance	1,136,900.83
Skewness	0.6124
Kurtosis	3.49
Coefficient of Variability	0.2270
Minimum	15.69
Maximum	9,792.39
Range Width	9,776.70
Mean Standard Error	4.77

Forecast: Oil in Oil Fields (continued)

Percentiles:	MMBO
100%	15.69
95%	3,157.34
90%	3,429.04
85%	3,623.92
80%	3,785.68
75%	3,932.50
70%	4,069.70
65%	4,202.37
60%	4,329.67
55%	4,457.34
50%	4,585.28
45%	4,718.03
40%	4,853.71
35%	4,998.14
30%	5,157.46
25%	5,338.87
20%	5,547.25
15%	5,794.56
10%	6,118.05
5%	6,633.03
0%	9,792.39

Forecast: Gas in Oil Fields

Summary:
Entire range is from 2.38 to 5,050.69
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 2.27



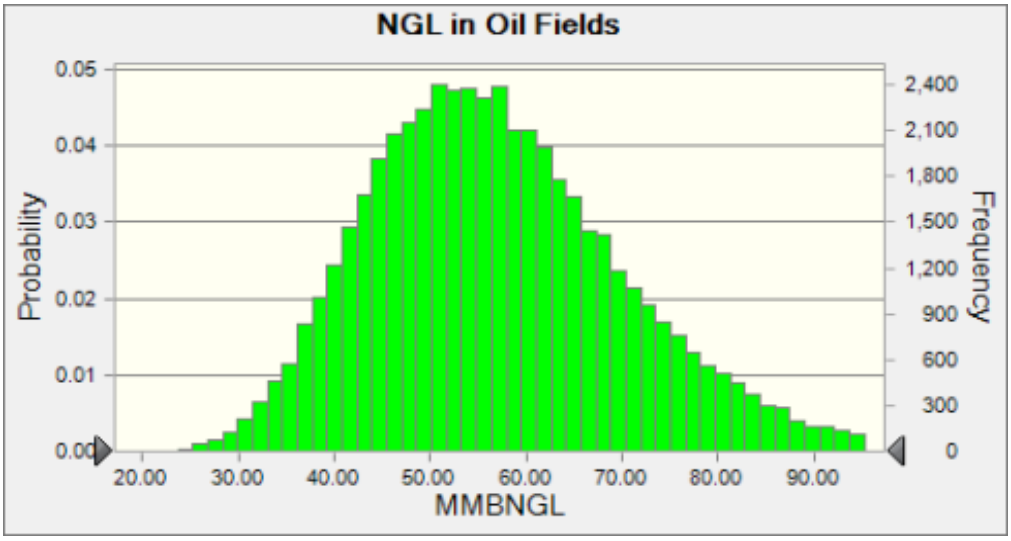
Statistics:	Forecast values
Trials	50,000
Mean	2,143.91
Median	2,092.38
Mode	---
Standard Deviation	506.79
Variance	256,832.95
Skewness	0.6023
Kurtosis	3.48
Coefficient of Variability	0.2364
Minimum	2.38
Maximum	5,050.69
Range Width	5,048.31
Mean Standard Error	2.27

Forecast: Gas in Oil Fields (continued)

Percentiles:	BCFG
100%	2.38
95%	1,410.75
90%	1,540.15
85%	1,632.91
80%	1,711.05
75%	1,780.53
70%	1,845.10
65%	1,909.15
60%	1,969.92
55%	2,030.10
50%	2,092.35
45%	2,154.53
40%	2,218.63
35%	2,287.57
30%	2,363.98
25%	2,450.03
20%	2,545.92
15%	2,664.70
10%	2,823.10
5%	3,061.17
0%	5,050.69

Forecast: NGL in Oil Fields

Summary:
Entire range is from 0.05 to 128.39
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.06



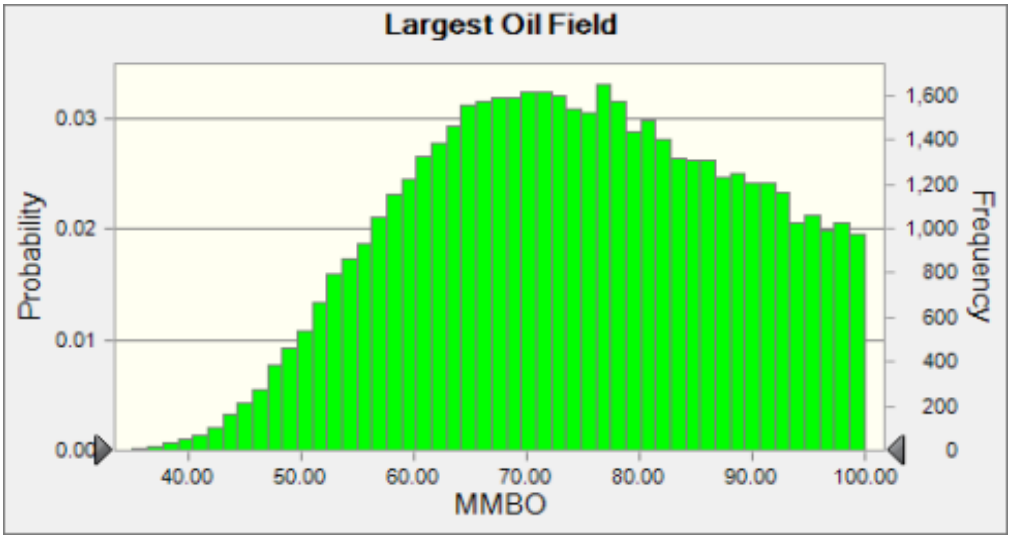
Statistics:	Forecast values
Trials	50,000
Mean	57.14
Median	55.74
Mode	---
Standard Deviation	13.62
Variance	185.37
Skewness	0.6020
Kurtosis	3.47
Coefficient of Variability	0.2383
Minimum	0.05
Maximum	128.39
Range Width	128.33
Mean Standard Error	0.06

Forecast: NGL in Oil Fields (continued)

Percentiles:	MMBNGL
100%	0.05
95%	37.36
90%	40.92
85%	43.43
80%	45.50
75%	47.35
70%	49.16
65%	50.80
60%	52.46
55%	54.09
50%	55.74
45%	57.42
40%	59.18
35%	61.05
30%	63.07
25%	65.32
20%	67.96
15%	71.10
10%	75.33
5%	81.82
0%	128.39

Forecast: Largest Oil Field

Summary:
Entire range is from 8.91 to 100.00
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.06



Statistics:	Forecast values
Trials	50,000
Mean	74.21
Median	74.11
Mode	---
Standard Deviation	13.96
Variance	194.77
Skewness	-0.0793
Kurtosis	2.18
Coefficient of Variability	0.1881
Minimum	8.91
Maximum	100.00
Range Width	91.09
Mean Standard Error	0.06

Forecast: Largest Oil Field (continued)

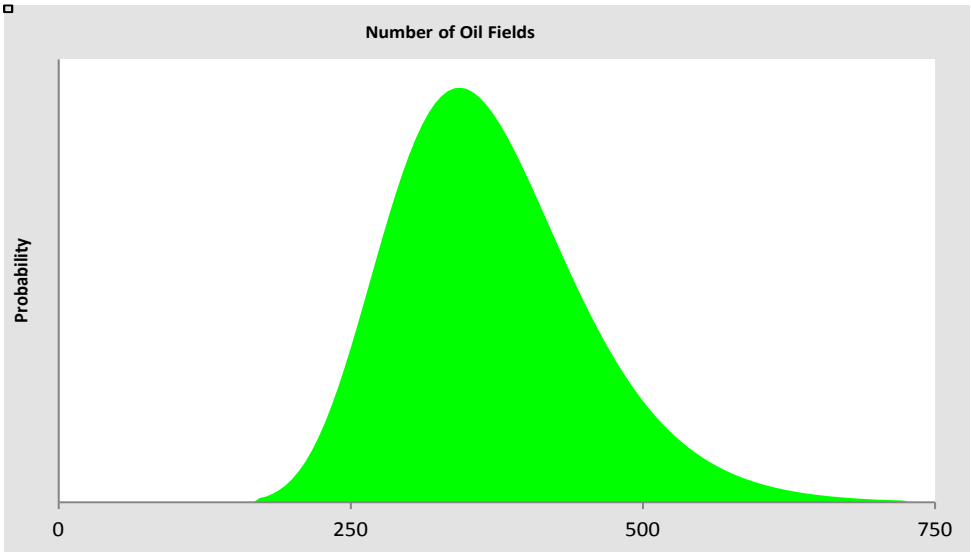
Percentiles:	MMBO
100%	8.91
95%	51.38
90%	55.54
85%	58.64
80%	61.28
75%	63.62
70%	65.80
65%	67.92
60%	69.96
55%	72.00
50%	74.11
45%	76.27
40%	78.32
35%	80.53
30%	82.85
25%	85.38
20%	87.97
15%	90.67
10%	93.48
5%	96.66
0%	100.00

End of Forecasts

Assumptions

Assumption: Number of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	1
Mean	368.18	369.18
Standard Deviation	83.81	83.81
Selected range is from -Infinity to 719.00		1.00 to 720.00



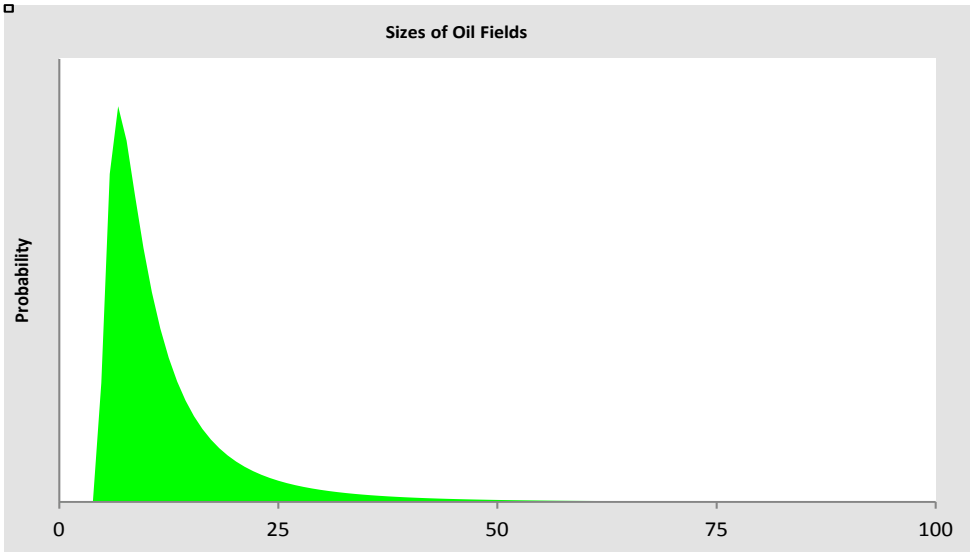
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	368.45	368.78
Median	359.93	359.90
Mode	---	---
Standard Deviation	82.65	82.89
Variance	6,830.97	6,870.79
Skewness	0.6170	0.6170
Kurtosis	3.48	3.47
Coefficient of Variability	0.2243	0.2248
Minimum	135.11	1.00
Maximum	718.54	720.00
Range Width	583.43	719.00
Mean Standard Error	0.37	---

Assumption: Number of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	135.11	1.00
95%	249.32	249.02
90%	270.12	270.12
85%	285.11	285.35
80%	297.87	298.08
75%	309.26	309.44
70%	319.86	320.02
65%	329.91	330.15
60%	339.60	340.05
55%	349.67	349.91
50%	359.93	359.90
45%	369.95	370.17
40%	380.56	380.90
35%	391.52	392.32
30%	404.05	404.73
25%	417.62	418.55
20%	434.29	434.48
15%	453.48	453.81
10%	478.83	479.29
5%	518.78	519.52
0%	718.54	720.00

Assumption: Sizes of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	5
Mean	7.87	12.87
Standard Deviation	9.58	9.58
Selected range is from -Infinity to 95.00		5.00 to 100.00



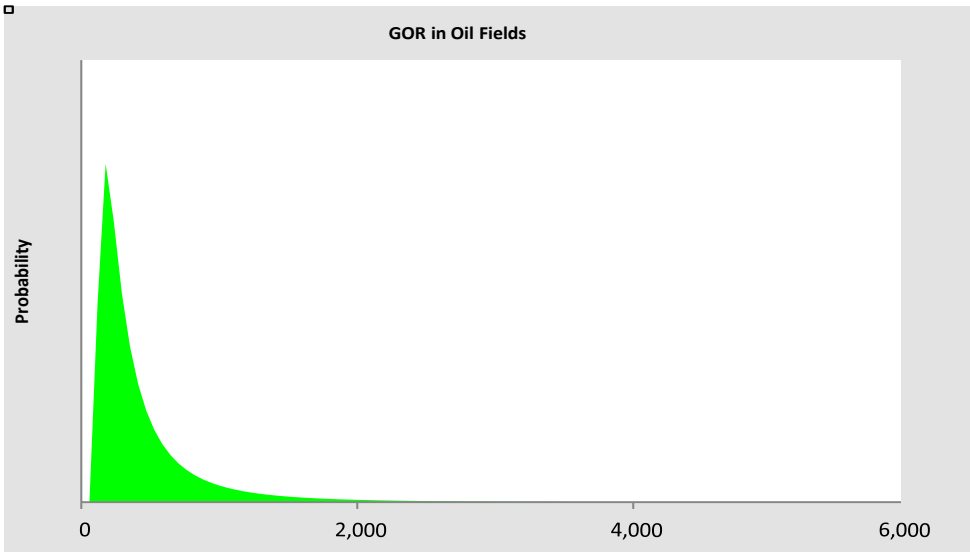
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	12.77	12.75
Median	9.97	9.99
Mode	---	---
Standard Deviation	8.83	8.69
Variance	77.96	75.57
Skewness	3.45	3.32
Kurtosis	20.96	19.56
Coefficient of Variability	0.69	0.68
Minimum	5.09	5.00
Maximum	99.70	100.00
Range Width	94.60	95.00
Mean Standard Error	0.04	---

Assumption: Sizes of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	5.09	5.00
95%	6.05	6.04
90%	6.48	6.47
85%	6.87	6.86
80%	7.24	7.24
75%	7.63	7.63
70%	8.02	8.03
65%	8.45	8.46
60%	8.91	8.92
55%	9.42	9.43
50%	9.97	9.99
45%	10.59	10.63
40%	11.33	11.36
35%	12.19	12.21
30%	13.17	13.23
25%	14.49	14.49
20%	16.10	16.12
15%	18.37	18.38
10%	21.88	21.87
5%	28.72	28.76
0%	99.70	100.00

Assumption: GOR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	100
Mean	364.35	464.35
Standard Deviation	554.83	554.83
Selected range is from -Infinity to 5,900.00		100.00 to 6,000.00



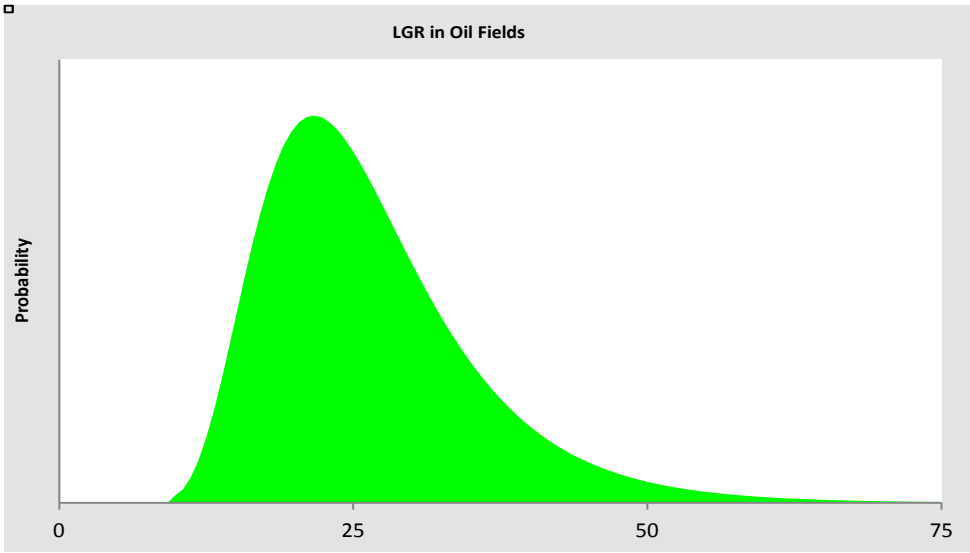
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	457.73	456.31
Median	301.42	299.73
Mode	---	---
Standard Deviation	483.16	482.56
Variance	233,438.84	232,868.51
Skewness	4.08	4.03
Kurtosis	28.03	27.25
Coefficient of Variability	1.06	1.06
Minimum	101.21	100.00
Maximum	5,994.27	6,000.00
Range Width	5,893.07	5,900.00
Mean Standard Error	2.16	---

Assumption: GOR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	101.21	100.00
95%	132.90	132.99
90%	149.49	149.11
85%	164.94	164.23
80%	180.09	179.50
75%	195.92	195.46
70%	212.79	212.51
65%	231.72	231.01
60%	252.20	251.37
55%	275.41	274.07
50%	301.41	299.73
45%	331.37	329.16
40%	366.12	363.51
35%	407.48	404.43
30%	457.84	454.42
25%	521.19	517.58
20%	604.82	601.19
15%	721.85	719.87
10%	911.89	909.46
5%	1,302.17	1,299.74
0%	5,994.27	6,000.00

Assumption: LGR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	5
Mean	21.71	26.71
Standard Deviation	9.18	9.18
Selected range is from -Infinity to 70.00		5.00 to 75.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	26.67	26.66
Median	24.96	24.99
Mode	---	---
Standard Deviation	9.06	9.00
Variance	82.03	80.97
Skewness	1.17	1.17
Kurtosis	4.97	4.99
Coefficient of Variability	0.3396	0.3376
Minimum	8.09	5.00
Maximum	74.99	75.00
Range Width	66.90	70.00
Mean Standard Error	0.04	---

Assumption: LGR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	8.09	5.00
95%	15.24	15.26
90%	16.87	16.89
85%	18.12	18.13
80%	19.17	19.21
75%	20.16	20.21
70%	21.13	21.16
65%	22.08	22.10
60%	23.01	23.04
55%	23.97	24.00
50%	24.96	24.99
45%	26.01	26.03
40%	27.15	27.15
35%	28.40	28.36
30%	29.76	29.72
25%	31.28	31.26
20%	33.11	33.10
15%	35.43	35.40
10%	38.67	38.56
5%	44.13	43.82
0%	74.99	75.00

End of Assumptions

Simulation started on 11/17/2011 at 3:16 PM
Simulation stopped on 11/17/2011 at 3:29 PM