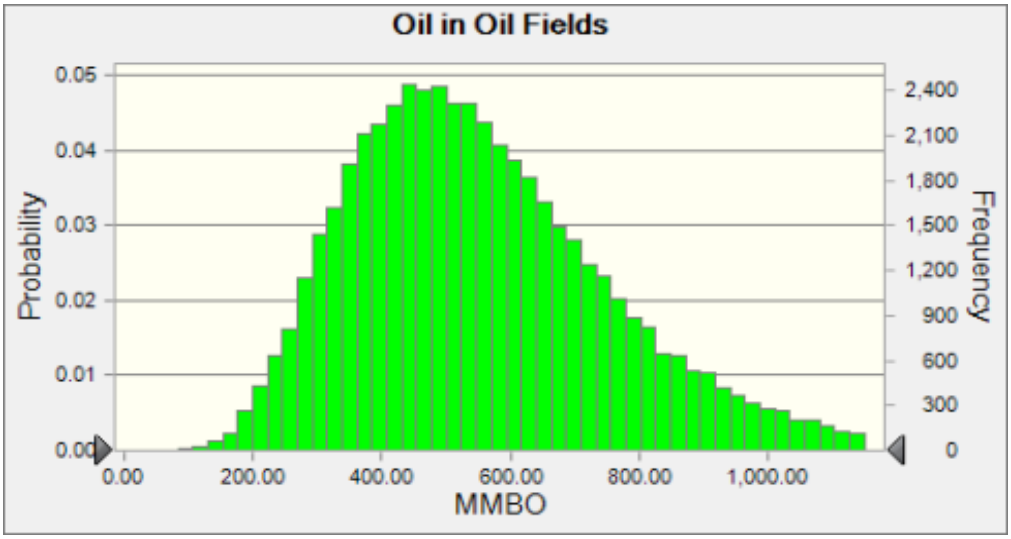
61170101
North Cuba Fold and Thrust Belt
Monte Carlo Results

Forecast: Oil in Oil Fields

Summary:
Entire range is from 13.91 to 1,916.71
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.94



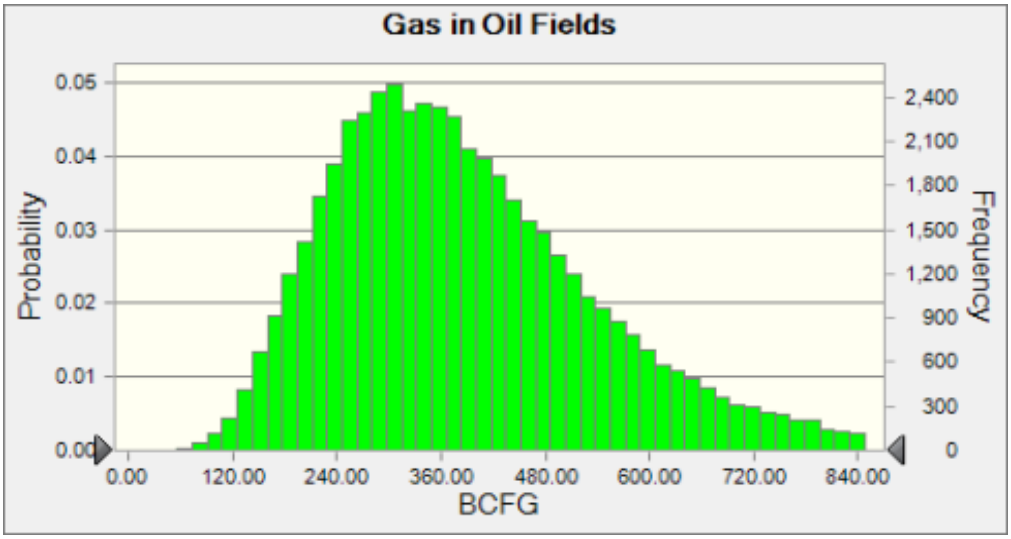
Statistics:	Forecast values
Trials	50,000
Mean	558.00
Median	527.53
Mode	---
Standard Deviation	211.10
Variance	44,562.78
Skewness	0.8872
Kurtosis	4.15
Coefficient of Variability	0.3783
Minimum	13.91
Maximum	1,916.71
Range Width	1,902.80
Mean Standard Error	0.94

Forecast: Oil in Oil Fields (continued)

Percentiles:	MMBO
100%	13.91
95%	272.05
90%	316.38
85%	350.10
80%	378.73
75%	405.32
70%	430.65
65%	454.46
60%	478.53
55%	502.46
50%	527.52
45%	552.79
40%	579.95
35%	609.08
30%	640.42
25%	676.47
20%	718.97
15%	769.13
10%	839.38
5%	952.96
0%	1,916.71

Forecast: Gas in Oil Fields

Summary:
Entire range is from 5.13 to 1,538.45
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.73



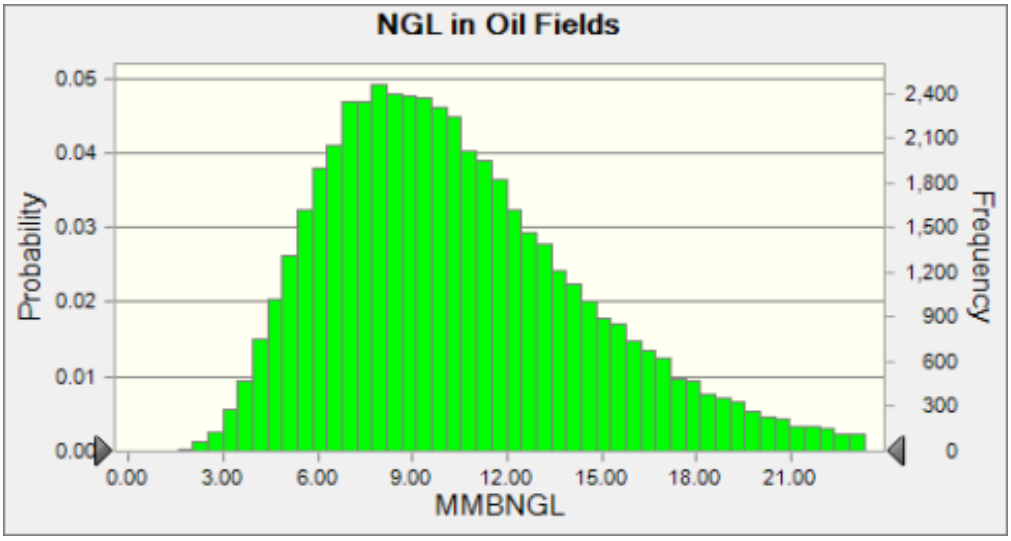
Statistics:	Forecast values
Trials	50,000
Mean	391.91
Median	364.93
Mode	---
Standard Deviation	162.66
Variance	26,457.42
Skewness	1.07
Kurtosis	4.83
Coefficient of Variability	0.4150
Minimum	5.13
Maximum	1,538.45
Range Width	1,533.32
Mean Standard Error	0.73

Forecast: Gas in Oil Fields (continued)

Percentiles:	BCFG
100%	5.13
95%	178.82
90%	211.31
85%	235.53
80%	255.69
75%	274.88
70%	292.88
65%	310.23
60%	328.20
55%	346.68
50%	364.92
45%	383.83
40%	404.88
35%	426.84
30%	451.43
25%	478.84
20%	511.49
15%	552.66
10%	607.45
5%	698.48
0%	1,538.45

Forecast: NGL in Oil Fields

Summary:
Entire range is from 0.13 to 60.90
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.02



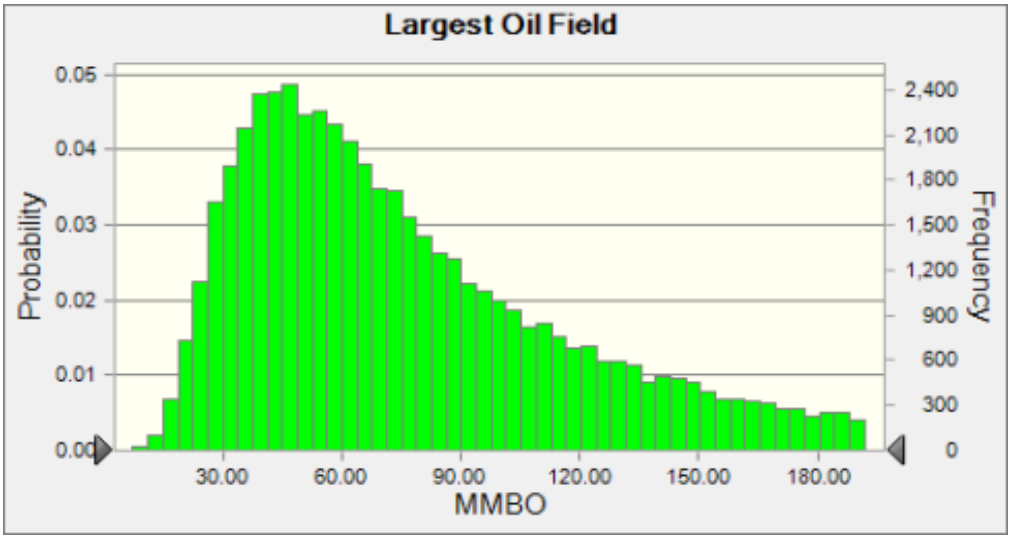
Statistics:	Forecast values
Trials	50,000
Mean	10.60
Median	9.82
Mode	---
Standard Deviation	4.54
Variance	20.61
Skewness	1.19
Kurtosis	5.61
Coefficient of Variability	0.4284
Minimum	0.13
Maximum	60.90
Range Width	60.77
Mean Standard Error	0.02

Forecast: NGL in Oil Fields (continued)

Percentiles:	MMBNGL
100%	0.13
95%	4.77
90%	5.64
85%	6.27
80%	6.84
75%	7.34
70%	7.84
65%	8.32
60%	8.81
55%	9.31
50%	9.82
45%	10.33
40%	10.91
35%	11.51
30%	12.18
25%	12.98
20%	13.89
15%	15.04
10%	16.57
5%	19.07
0%	60.90

Forecast: Largest Oil Field

Summary:
Entire range is from 7.38 to 199.97
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.18



Statistics:	Forecast values
Trials	50,000
Mean	76.26
Median	65.88
Mode	---
Standard Deviation	41.25
Variance	1,701.73
Skewness	0.9276
Kurtosis	3.20
Coefficient of Variability	0.5409
Minimum	7.38
Maximum	199.97
Range Width	192.59
Mean Standard Error	0.18

Forecast: Largest Oil Field (continued)

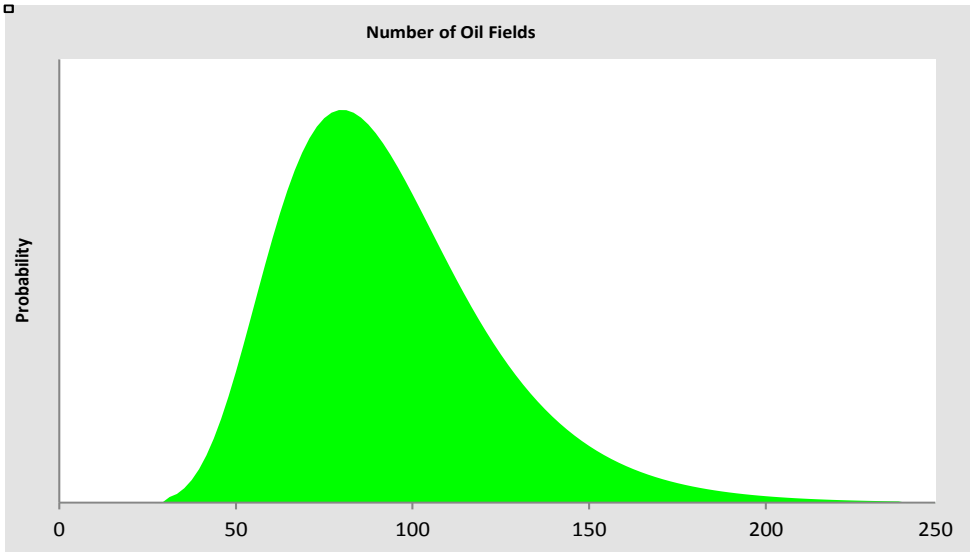
Percentiles:	MMBO
100%	7.38
95%	26.68
90%	32.11
85%	36.63
80%	40.61
75%	44.61
70%	48.41
65%	52.63
60%	56.82
55%	61.17
50%	65.88
45%	71.21
40%	76.74
35%	83.27
30%	90.56
25%	99.38
20%	109.95
15%	122.60
10%	139.44
5%	162.05
0%	199.97

End of Forecasts

Assumptions

Assumption: Number of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	1
Mean	93.67	94.67
Standard Deviation	30.73	30.73
Selected range is from -Infinity to 239.00		1.00 to 240.00



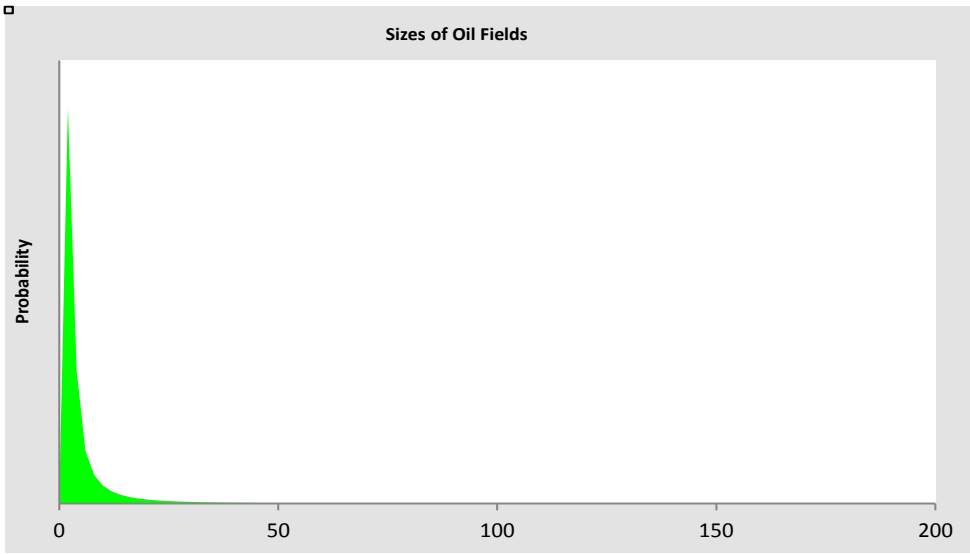
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	94.58	94.50
Median	90.00	89.96
Mode	---	---
Standard Deviation	30.29	30.27
Variance	917.20	916.06
Skewness	0.8971	0.9005
Kurtosis	4.13	4.13
Coefficient of Variability	0.3202	0.3203
Minimum	26.97	1.00
Maximum	239.70	240.00
Range Width	212.73	239.00
Mean Standard Error	0.14	---

Assumption: Number of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	26.97	1.00
95%	53.57	53.60
90%	60.20	60.07
85%	64.92	64.89
80%	68.98	68.99
75%	72.79	72.72
70%	76.31	76.24
65%	79.79	79.66
60%	83.11	83.05
55%	86.44	86.46
50%	89.99	89.96
45%	93.66	93.61
40%	97.47	97.46
35%	101.78	101.61
30%	106.48	106.18
25%	111.54	111.33
20%	117.44	117.37
15%	124.87	124.82
10%	135.18	134.85
5%	151.09	151.14
0%	239.70	240.00

Assumption: Sizes of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	1
Mean	5.24	6.24
Standard Deviation	17.55	17.55
Selected range is from -Infinity to 199.00		1.00 to 200.00



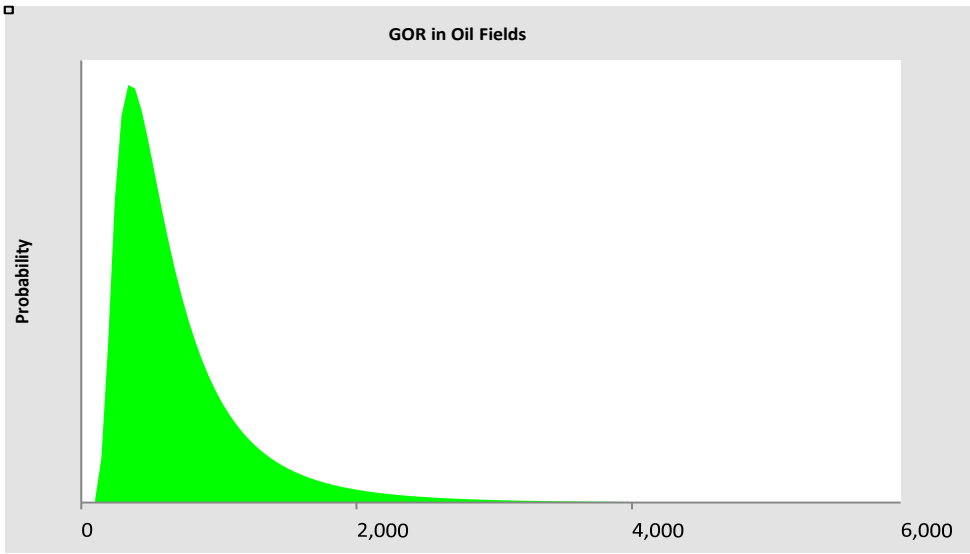
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	5.83	5.92
Median	2.51	2.50
Mode	---	---
Standard Deviation	11.23	11.57
Variance	126.08	133.83
Skewness	6.69	6.93
Kurtosis	66.10	71.28
Coefficient of Variability	1.93	1.95
Minimum	1.00	1.00
Maximum	194.57	200.00
Range Width	193.57	199.00
Mean Standard Error	0.05	---

Assumption: Sizes of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	1.00	1.00
95%	1.11	1.11
90%	1.20	1.20
85%	1.29	1.29
80%	1.40	1.40
75%	1.52	1.52
70%	1.66	1.65
65%	1.82	1.81
60%	2.01	2.00
55%	2.24	2.23
50%	2.51	2.50
45%	2.83	2.83
40%	3.21	3.23
35%	3.73	3.75
30%	4.38	4.43
25%	5.33	5.34
20%	6.60	6.65
15%	8.61	8.68
10%	12.15	12.30
5%	20.53	20.94
0%	194.57	200.00

Assumption: GOR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	100
Mean	606.56	706.56
Standard Deviation	548.22	548.22
Selected range is from -Infinity to 4,900.00		100.00 to 5,000.00



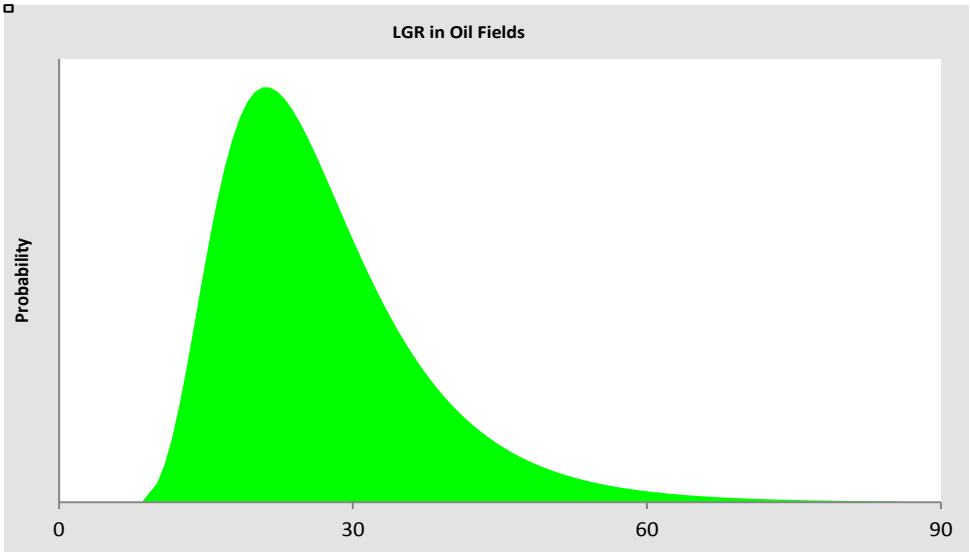
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	699.29	700.94
Median	548.44	549.56
Mode	---	---
Standard Deviation	513.80	516.76
Variance	263,993.01	267,042.19
Skewness	2.51	2.51
Kurtosis	12.55	12.52
Coefficient of Variability	0.7348	0.7372
Minimum	121.26	100.00
Maximum	4,991.15	5,000.00
Range Width	4,869.89	4,900.00
Mean Standard Error	2.30	---

Assumption: GOR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	121.26	100.00
95%	226.58	226.20
90%	267.59	267.09
85%	303.52	301.92
80%	335.69	334.71
75%	367.36	367.05
70%	400.02	399.87
65%	432.85	433.88
60%	468.32	469.69
55%	506.51	508.00
50%	548.43	549.56
45%	593.82	595.36
40%	643.82	646.65
35%	702.96	705.25
30%	770.88	773.79
25%	851.21	856.44
20%	960.25	960.39
15%	1,100.66	1,099.56
10%	1,305.11	1,306.64
5%	1,687.27	1,692.74
0%	4,991.15	5,000.00

Assumption: LGR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	5
Mean	22.12	27.12
Standard Deviation	10.44	10.44
Selected range is from -Infinity to 80.00		5.00 to 85.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	27.04	27.05
Median	25.00	24.99
Mode	---	---
Standard Deviation	10.22	10.21
Variance	104.48	104.25
Skewness	1.32	1.31
Kurtosis	5.58	5.52
Coefficient of Variability	0.3780	0.3775
Minimum	7.78	5.00
Maximum	84.80	85.00
Range Width	77.02	80.00
Mean Standard Error	0.05	---

Assumption: LGR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	7.78	5.00
95%	14.57	14.56
90%	16.25	16.25
85%	17.56	17.56
80%	18.66	18.71
75%	19.76	19.77
70%	20.77	20.80
65%	21.79	21.82
60%	22.82	22.84
55%	23.92	23.89
50%	25.00	24.99
45%	26.15	26.15
40%	27.42	27.39
35%	28.73	28.76
30%	30.29	30.28
25%	32.05	32.04
20%	34.13	34.14
15%	36.76	36.79
10%	40.47	40.46
5%	46.54	46.66
0%	84.80	85.00

End of Assumptions

Simulation started on 12/2/2011 at 8:19 AM
Simulation stopped on 12/2/2011 at 8:26 AM