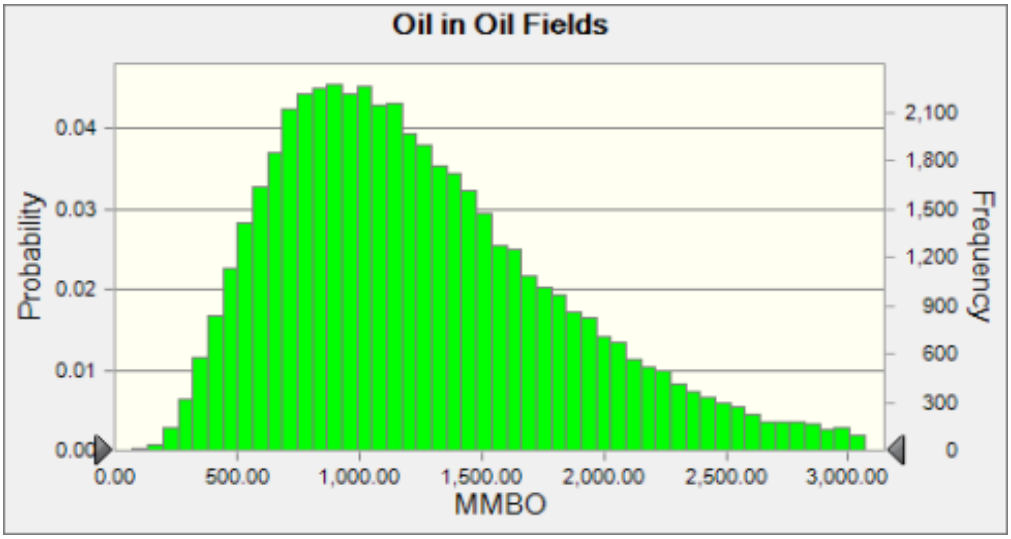
38030101
Timor Thrust Structures
Monte Carlo Results

Forecast: Oil in Oil Fields

Summary:
Entire range is from 70.81 to 5,437.17
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 2.86



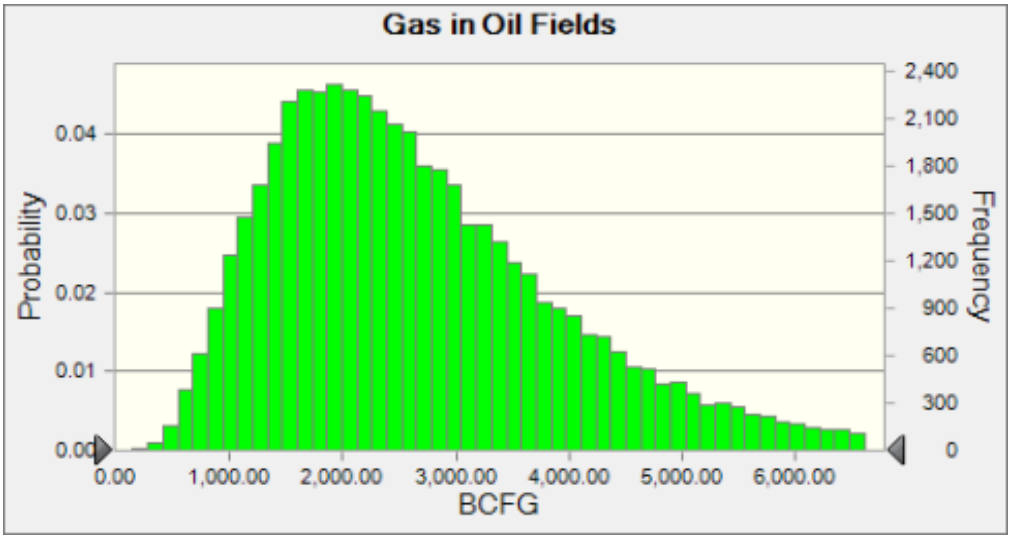
Statistics:	Forecast values
Trials	50,000
Mean	1,274.83
Median	1,152.86
Mode	---
Standard Deviation	639.38
Variance	408,802.87
Skewness	1.18
Kurtosis	5.08
Coefficient of Variability	0.5015
Minimum	70.81
Maximum	5,437.17
Range Width	5,366.36
Mean Standard Error	2.86

Forecast: Oil in Oil Fields (continued)

Percentiles:	MMBO
100%	70.81
95%	472.22
90%	581.07
85%	666.63
80%	741.10
75%	809.92
70%	877.86
65%	944.33
60%	1,012.68
55%	1,082.71
50%	1,152.86
45%	1,229.51
40%	1,311.50
35%	1,398.45
30%	1,494.98
25%	1,607.21
20%	1,743.01
15%	1,907.42
10%	2,124.67
5%	2,485.98
0%	5,437.17

Forecast: Gas in Oil Fields

Summary:
Entire range is from 137.40 to 11,762.74
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 6.24



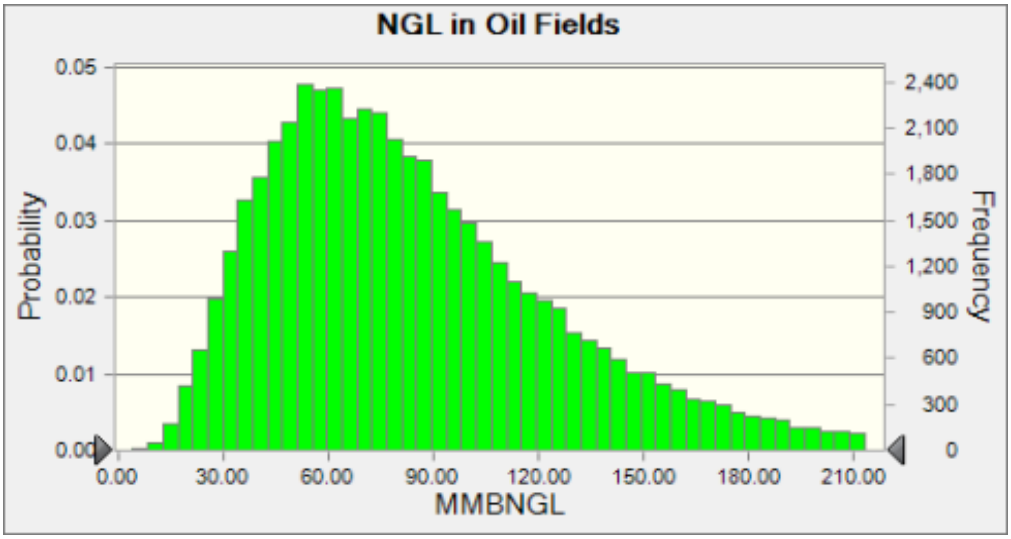
Statistics:	Forecast values
Trials	50,000
Mean	2,712.98
Median	2,437.57
Mode	---
Standard Deviation	1,395.23
Variance	1,946,653.44
Skewness	1.22
Kurtosis	5.19
Coefficient of Variability	0.5143
Minimum	137.40
Maximum	11,762.74
Range Width	11,625.34
Mean Standard Error	6.24

Forecast: Gas in Oil Fields (continued)

Percentiles:	BCFG
100%	137.40
95%	984.06
90%	1,212.05
85%	1,401.00
80%	1,554.08
75%	1,700.98
70%	1,845.79
65%	1,989.44
60%	2,135.37
55%	2,281.42
50%	2,437.56
45%	2,602.14
40%	2,780.36
35%	2,965.30
30%	3,185.94
25%	3,426.54
20%	3,712.62
15%	4,079.35
10%	4,570.29
5%	5,396.38
0%	11,762.74

Forecast: NGL in Oil Fields

Summary:
Entire range is from 4.24 to 384.05
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.20



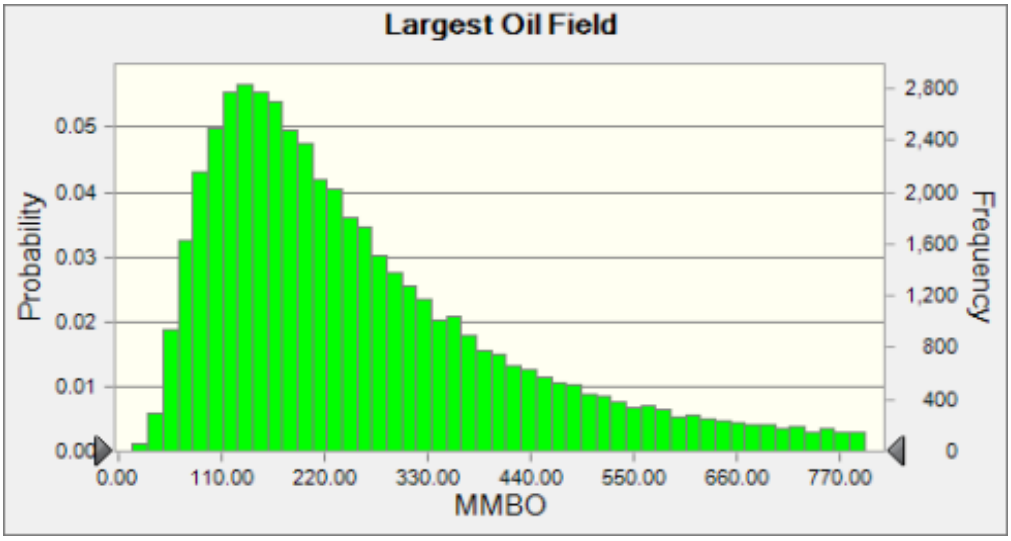
Statistics:	Forecast values
Trials	50,000
Mean	86.18
Median	77.01
Mode	---
Standard Deviation	45.34
Variance	2,055.77
Skewness	1.27
Kurtosis	5.35
Coefficient of Variability	0.5261
Minimum	4.24
Maximum	384.05
Range Width	379.81
Mean Standard Error	0.20

Forecast: NGL in Oil Fields (continued)

Percentiles:	MMBNGL
100%	4.24
95%	30.53
90%	37.81
85%	43.68
80%	48.81
75%	53.45
70%	57.99
65%	62.44
60%	67.36
55%	72.10
50%	77.01
45%	82.27
40%	87.86
35%	94.08
30%	100.92
25%	108.91
20%	118.64
15%	130.10
10%	146.41
5%	173.55
0%	384.05

Forecast: Largest Oil Field

Summary:
Entire range is from 15.32 to 999.86
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.84



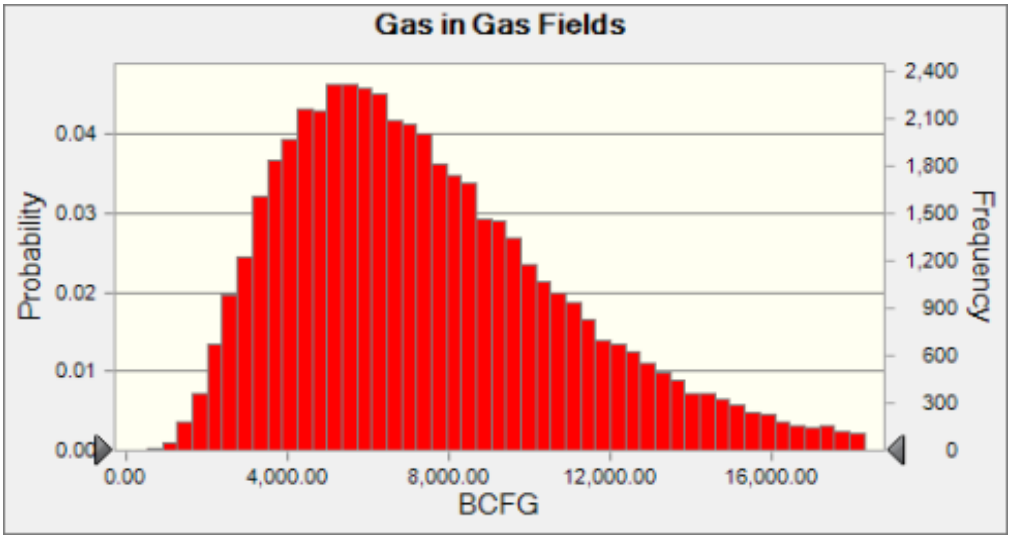
Statistics:	Forecast values
Trials	50,000
Mean	273.10
Median	218.20
Mode	---
Standard Deviation	187.08
Variance	34,997.54
Skewness	1.45
Kurtosis	4.95
Coefficient of Variability	0.6850
Minimum	15.32
Maximum	999.86
Range Width	984.54
Mean Standard Error	0.84

Forecast: Largest Oil Field (continued)

Percentiles:	MMBO
100%	15.32
95%	75.61
90%	94.55
85%	110.62
80%	125.06
75%	139.14
70%	153.50
65%	167.94
60%	183.48
55%	199.87
50%	218.19
45%	237.66
40%	259.71
35%	284.88
30%	314.27
25%	350.52
20%	394.21
15%	454.00
10%	538.67
5%	680.69
0%	999.86

Forecast: Gas in Gas Fields

Summary:
Entire range is from 152.96 to 34,841.40
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 17.03



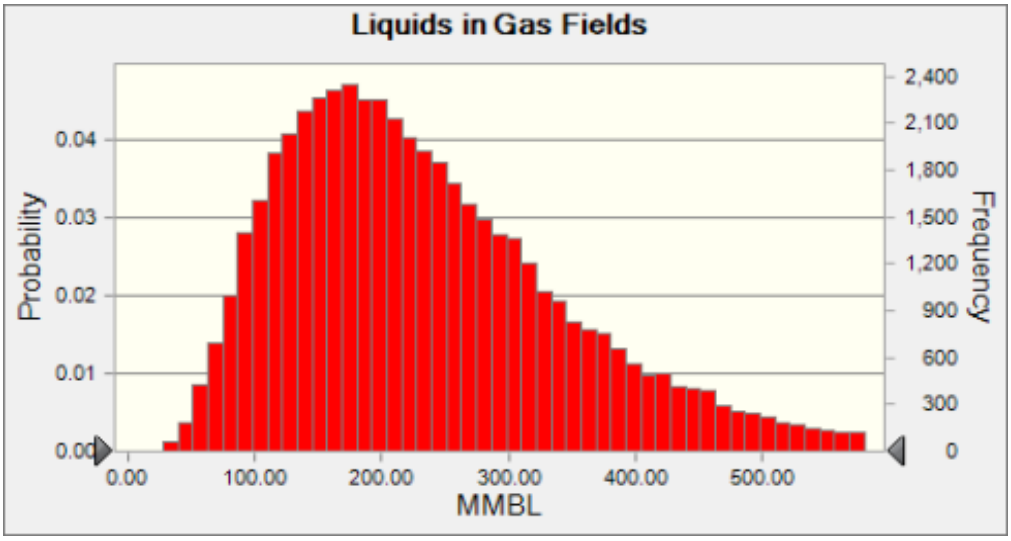
Statistics:	Forecast values
Trials	50,000
Mean	7,620.98
Median	6,909.18
Mode	---
Standard Deviation	3,809.08
Variance	14,509,095.61
Skewness	1.16
Kurtosis	4.98
Coefficient of Variability	0.4998
Minimum	152.96
Maximum	34,841.40
Range Width	34,688.44
Mean Standard Error	17.03

Forecast: Gas in Gas Fields (continued)

Percentiles:	BCFG
100%	152.96
95%	2,817.15
90%	3,462.35
85%	3,968.69
80%	4,409.51
75%	4,841.26
70%	5,248.60
65%	5,649.33
60%	6,050.49
55%	6,461.72
50%	6,909.15
45%	7,368.40
40%	7,843.45
35%	8,376.36
30%	8,970.30
25%	9,619.71
20%	10,405.91
15%	11,389.13
10%	12,719.42
5%	14,861.20
0%	34,841.40

Forecast: Liquids in Gas Fields

Summary:
Entire range is from 3.78 to 1,132.65
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.55



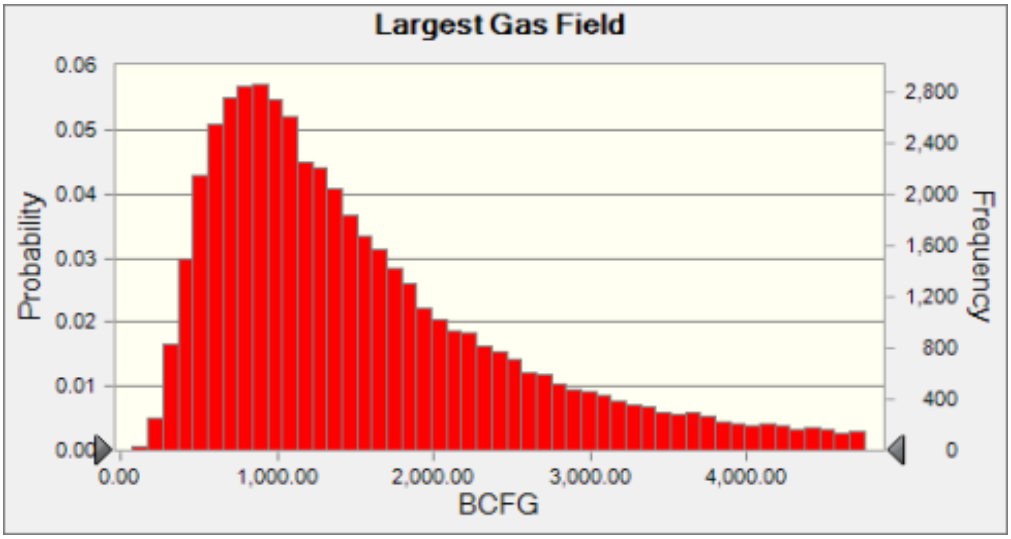
Statistics:	Forecast values
Trials	50,000
Mean	239.30
Median	215.64
Mode	---
Standard Deviation	121.95
Variance	14,870.66
Skewness	1.19
Kurtosis	5.10
Coefficient of Variability	0.5096
Minimum	3.78
Maximum	1,132.65
Range Width	1,128.87
Mean Standard Error	0.55

Forecast: Liquids in Gas Fields (continued)

Percentiles:	MMBL
100%	3.78
95%	87.49
90%	107.09
85%	122.88
80%	137.09
75%	150.50
70%	163.28
65%	176.05
60%	188.74
55%	202.09
50%	215.64
45%	230.32
40%	246.04
35%	262.78
30%	281.91
25%	302.72
20%	326.96
15%	359.69
10%	402.23
5%	471.59
0%	1,132.65

Forecast: Largest Gas Field

Summary:
Entire range is from 75.47 to 5,999.70
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 5.00



Statistics:	Forecast values
Trials	50,000
Mean	1,623.63
Median	1,293.51
Mode	---
Standard Deviation	1,117.22
Variance	1,248,189.99
Skewness	1.47
Kurtosis	5.03
Coefficient of Variability	0.6881
Minimum	75.47
Maximum	5,999.70
Range Width	5,924.24
Mean Standard Error	5.00

Forecast: Largest Gas Field (continued)

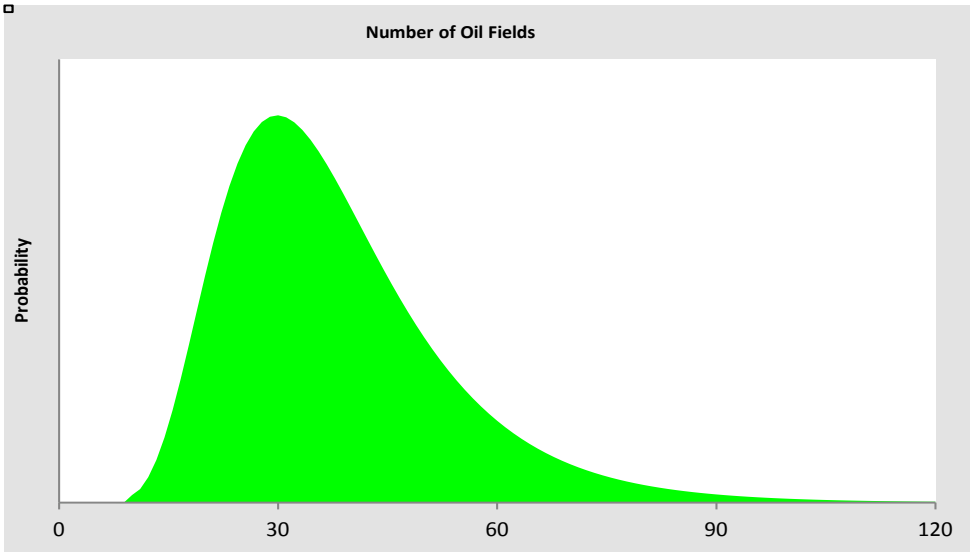
Percentiles:	BCFG
100%	75.47
95%	451.38
90%	564.05
85%	654.87
80%	742.38
75%	826.91
70%	909.72
65%	995.52
60%	1,086.82
55%	1,186.68
50%	1,293.42
45%	1,408.72
40%	1,539.80
35%	1,691.42
30%	1,861.80
25%	2,081.12
20%	2,344.18
15%	2,693.42
10%	3,202.98
5%	4,057.26
0%	5,999.70

End of Forecasts

Assumptions

Assumption: Number of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	1
Mean	36.91	37.91
Standard Deviation	15.60	15.6
Selected range is from -Infinity to 119.00		1.00 to 120.00



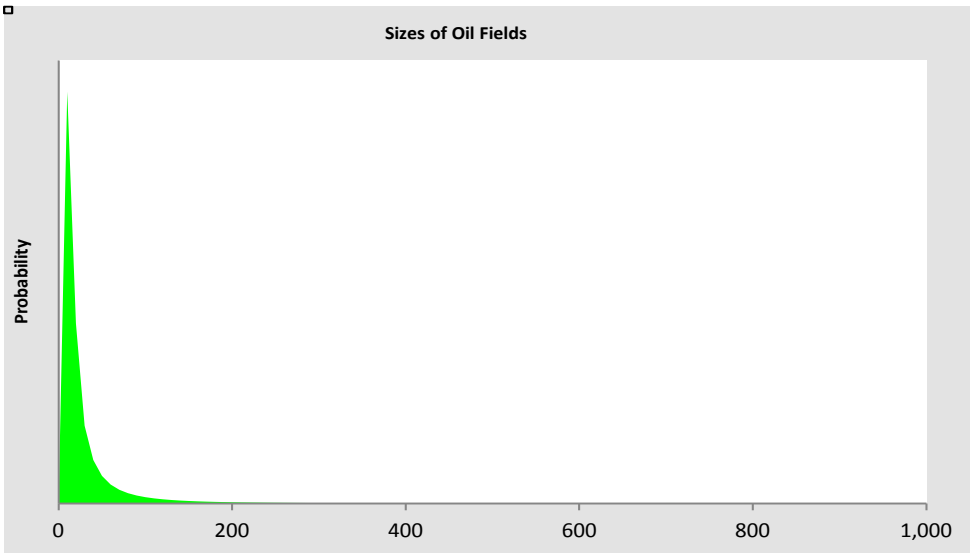
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	37.80	37.82
Median	34.92	34.98
Mode	---	---
Standard Deviation	15.36	15.30
Variance	235.85	233.99
Skewness	1.19	1.17
Kurtosis	5.06	4.99
Coefficient of Variability	0.4063	0.4045
Minimum	5.54	1.00
Maximum	119.94	120.00
Range Width	114.40	119.00
Mean Standard Error	0.07	---

Assumption: Number of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	5.54	1.00
95%	18.39	18.45
90%	21.23	21.22
85%	23.37	23.33
80%	25.25	25.16
75%	26.82	26.86
70%	28.43	28.48
65%	30.03	30.07
60%	31.58	31.67
55%	33.19	33.30
50%	34.92	34.98
45%	36.69	36.76
40%	38.61	38.65
35%	40.68	40.72
30%	42.98	43.02
25%	45.57	45.65
20%	48.70	48.77
15%	52.69	52.68
10%	58.15	58.05
5%	67.11	66.99
0%	119.94	120.00

Assumption: Sizes of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	5
Mean	30.29	35.29
Standard Deviation	86.59	86.59
Selected range is from -Infinity to 995.00		5.00 to 1,000.00



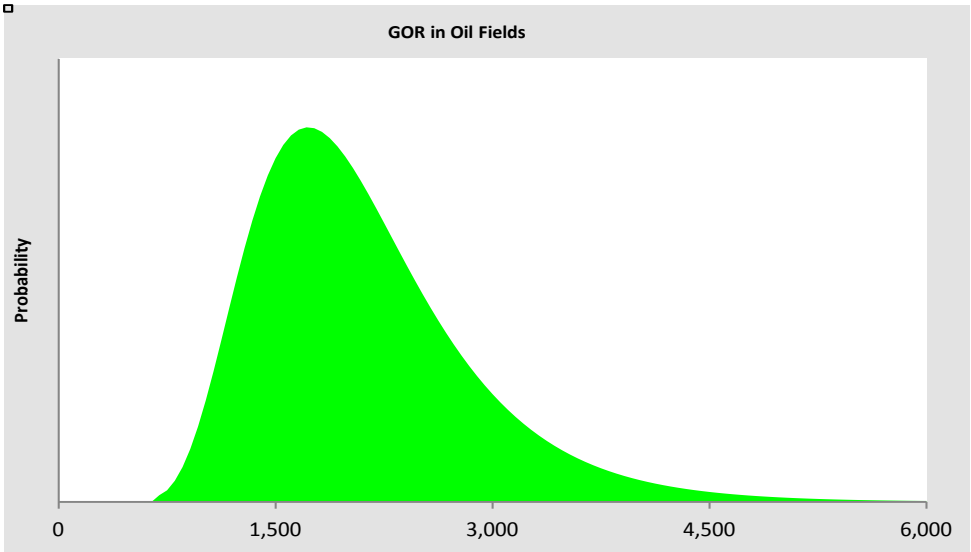
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	33.94	33.71
Median	15.01	14.98
Mode	---	---
Standard Deviation	62.88	61.37
Variance	3,953.45	3,765.85
Skewness	6.50	6.33
Kurtosis	63.18	60.55
Coefficient of Variability	1.85	1.82
Minimum	5.02	5.00
Maximum	995.18	1,000.00
Range Width	990.16	995.00
Mean Standard Error	0.28	---

Assumption: Sizes of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	5.02	5.00
95%	5.86	5.86
90%	6.48	6.48
85%	7.14	7.14
80%	7.87	7.85
75%	8.68	8.66
70%	9.60	9.58
65%	10.65	10.63
60%	11.83	11.85
55%	13.29	13.28
50%	15.01	14.98
45%	17.09	17.03
40%	19.66	19.55
35%	22.85	22.70
30%	26.90	26.76
25%	32.33	32.20
20%	40.20	39.86
15%	51.66	51.53
10%	71.70	71.88
5%	119.94	119.17
0%	995.18	1,000.00

Assumption: GOR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	240
Mean	1,894.44	2,134.44
Standard Deviation	754.49	754.49
Selected range is from -Infinity to 5,760.00		240.00 to 6,000.00



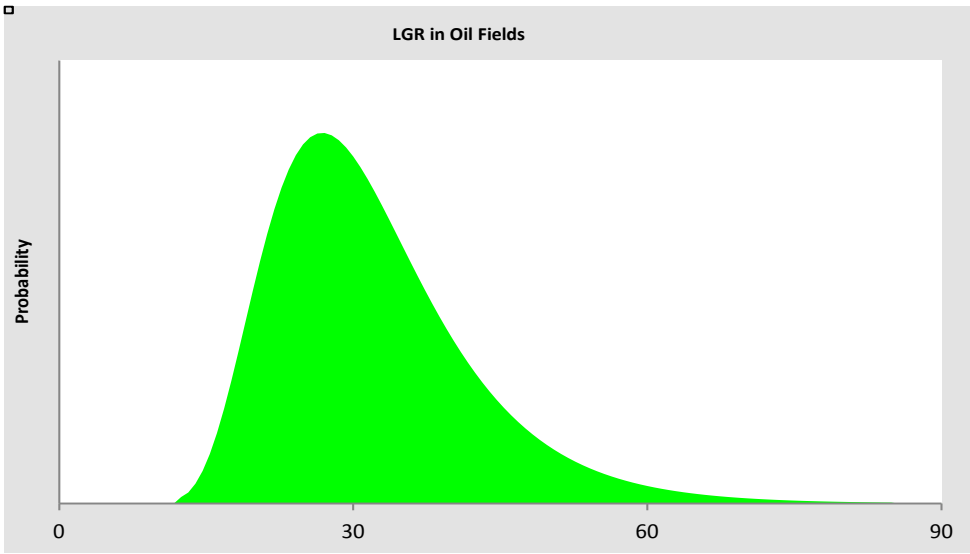
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	2,131.66	2,129.89
Median	1,998.59	1,999.15
Mode	---	---
Standard Deviation	745.37	740.70
Variance	555,581.20	548,643.23
Skewness	1.11	1.10
Kurtosis	4.76	4.75
Coefficient of Variability	0.3497	0.3478
Minimum	607.42	240.00
Maximum	5,982.69	6,000.00
Range Width	5,375.27	5,760.00
Mean Standard Error	3.33	---

Assumption: GOR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	607.42	240.00
95%	1,173.99	1,176.13
90%	1,313.89	1,316.13
85%	1,424.47	1,422.22
80%	1,514.73	1,513.94
75%	1,596.93	1,598.27
70%	1,676.34	1,678.75
65%	1,755.42	1,757.56
60%	1,833.07	1,836.33
55%	1,912.69	1,916.42
50%	1,998.58	1,999.15
45%	2,087.05	2,085.95
40%	2,178.26	2,178.52
35%	2,281.02	2,279.06
30%	2,396.37	2,390.61
25%	2,519.98	2,517.80
20%	2,669.93	2,668.19
15%	2,857.55	2,855.86
10%	3,121.87	3,112.20
5%	3,550.14	3,536.72
0%	5,982.69	6,000.00

Assumption: LGR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	5
Mean	26.84	31.84
Standard Deviation	10.47	10.47
Selected range is from -Infinity to 80.00		5.00 to 85.00



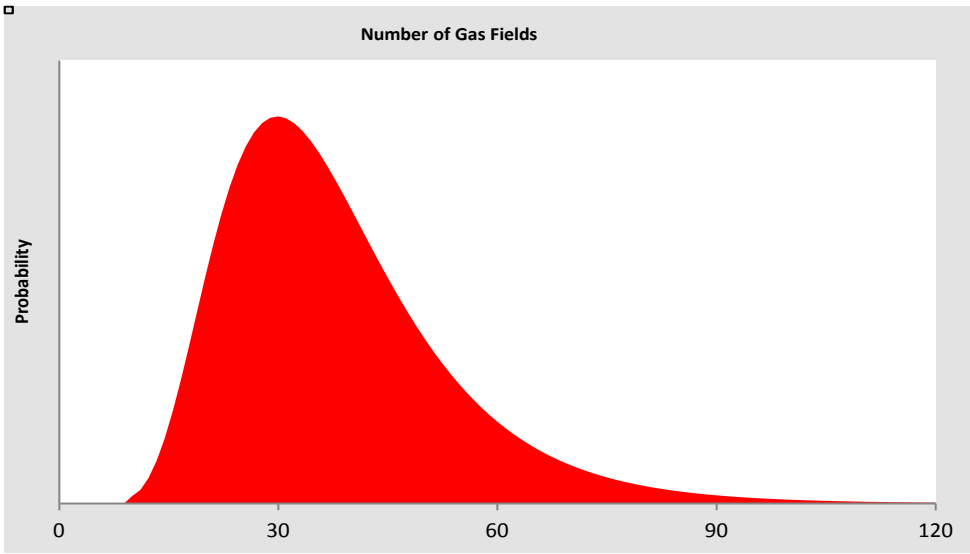
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	31.76	31.77
Median	29.98	29.99
Mode	---	---
Standard Deviation	10.32	10.28
Variance	106.50	105.74
Skewness	1.08	1.08
Kurtosis	4.69	4.67
Coefficient of Variability	0.3249	0.3236
Minimum	9.96	5.00
Maximum	84.74	85.00
Range Width	74.77	80.00
Mean Standard Error	0.05	---

Assumption: LGR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	9.96	5.00
95%	18.38	18.46
90%	20.35	20.43
85%	21.93	21.92
80%	23.19	23.21
75%	24.34	24.39
70%	25.46	25.51
65%	26.57	26.62
60%	27.69	27.72
55%	28.82	28.83
50%	29.98	29.99
45%	31.19	31.20
40%	32.49	32.49
35%	33.88	33.88
30%	35.41	35.43
25%	37.17	37.20
20%	39.26	39.28
15%	41.91	41.88
10%	45.46	45.42
5%	51.27	51.27
0%	84.74	85.00

Assumption: Number of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	1
Mean	36.91	37.91
Standard Deviation	15.60	15.6
Selected range is from -Infinity to 119.00		1.00 to 120.00



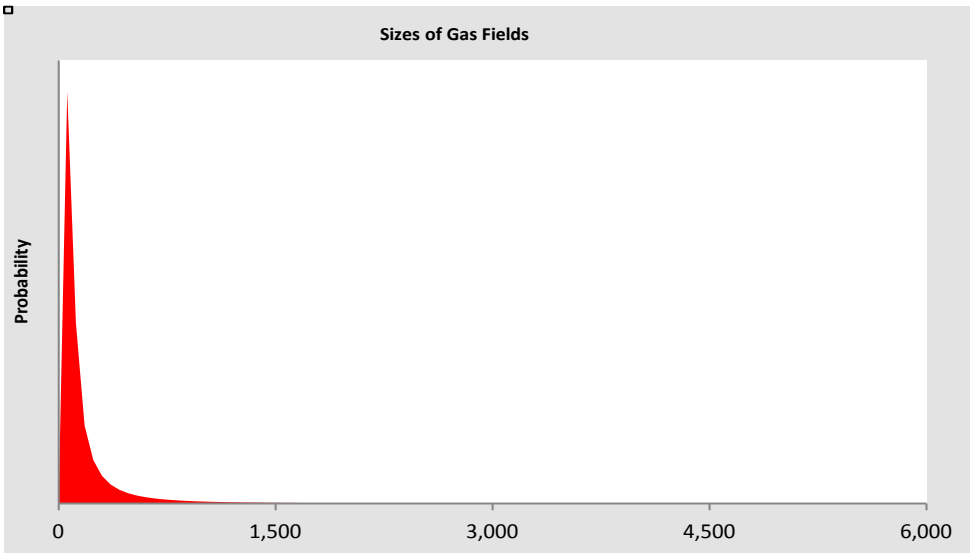
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	37.76	37.82
Median	34.87	34.98
Mode	---	---
Standard Deviation	15.25	15.30
Variance	232.70	233.99
Skewness	1.14	1.17
Kurtosis	4.85	4.99
Coefficient of Variability	0.4040	0.4045
Minimum	7.54	1.00
Maximum	119.74	120.00
Range Width	112.20	119.00
Mean Standard Error	0.07	---

Assumption: Number of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	7.54	1.00
95%	18.43	18.45
90%	21.12	21.22
85%	23.23	23.33
80%	25.13	25.16
75%	26.82	26.86
70%	28.42	28.48
65%	29.96	30.07
60%	31.59	31.67
55%	33.23	33.30
50%	34.86	34.98
45%	36.62	36.76
40%	38.65	38.65
35%	40.72	40.72
30%	43.06	43.02
25%	45.60	45.65
20%	48.74	48.77
15%	52.66	52.68
10%	58.17	58.05
5%	66.95	66.99
0%	119.74	120.00

Assumption: Sizes of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	30
Mean	181.72	211.72
Standard Deviation	519.53	519.53
Selected range is from -Infinity to 5,970.00		30.00 to 6,000.00



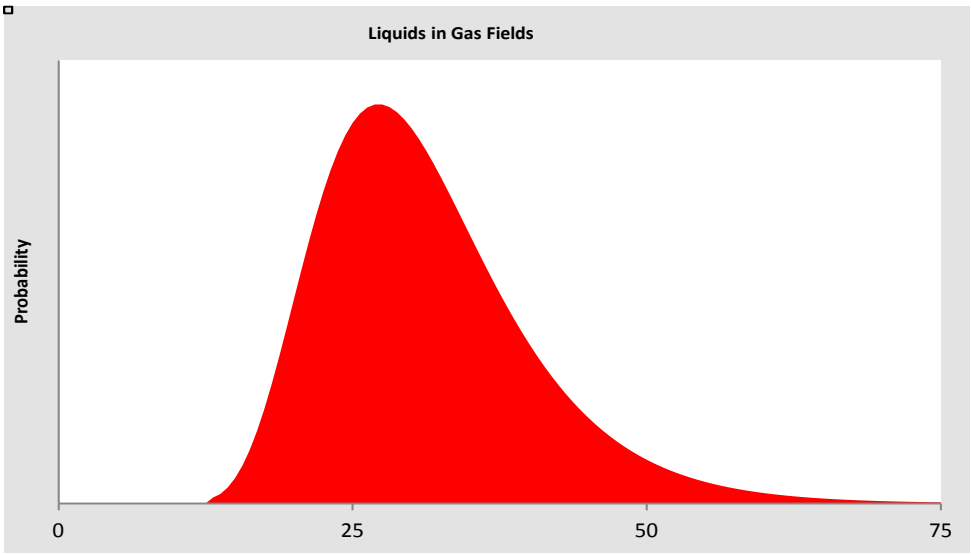
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	202.64	202.24
Median	90.00	89.89
Mode	---	---
Standard Deviation	371.07	368.20
Variance	137,691.37	135,570.57
Skewness	6.39	6.33
Kurtosis	61.68	60.55
Coefficient of Variability	1.83	1.82
Minimum	30.07	30.00
Maximum	5,980.28	6,000.00
Range Width	5,950.21	5,970.00
Mean Standard Error	1.66	---

Assumption: Sizes of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	30.07	30.00
95%	35.25	35.18
90%	38.99	38.90
85%	42.95	42.81
80%	47.24	47.12
75%	52.02	51.96
70%	57.35	57.45
65%	63.64	63.76
60%	71.35	71.08
55%	79.60	79.68
50%	90.00	89.89
45%	102.09	102.19
40%	117.11	117.29
35%	135.74	136.20
30%	159.50	160.59
25%	193.52	193.20
20%	239.49	239.15
15%	311.85	309.19
10%	435.19	431.26
5%	722.39	715.03
0%	5,980.28	6,000.00

Assumption: Liquids in Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	5
Mean	26.43	31.43
Standard Deviation	9.06	9.06
Selected range is from -Infinity to 70.00		5.00 to 75.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	31.33	31.38
Median	29.94	29.99
Mode	---	---
Standard Deviation	8.88	8.91
Variance	78.82	79.47
Skewness	0.9386	0.9419
Kurtosis	4.24	4.25
Coefficient of Variability	0.2834	0.2841
Minimum	10.74	5.00
Maximum	74.92	75.00
Range Width	64.18	70.00
Mean Standard Error	0.04	---

Assumption: Liquids in Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	10.74	5.00
95%	19.44	19.45
90%	21.30	21.31
85%	22.71	22.70
80%	23.86	23.88
75%	24.93	24.96
70%	25.94	25.99
65%	26.95	26.98
60%	27.91	27.97
55%	28.91	28.97
50%	29.94	29.99
45%	31.01	31.06
40%	32.16	32.19
35%	33.36	33.41
30%	34.73	34.75
25%	36.22	36.28
20%	38.00	38.06
15%	40.20	40.27
10%	43.13	43.25
5%	47.97	48.12
0%	74.92	75.00

End of Assumptions

Simulation started on 10/17/2011 at 1:57 PM
Simulation stopped on 10/17/2011 at 2:08 PM