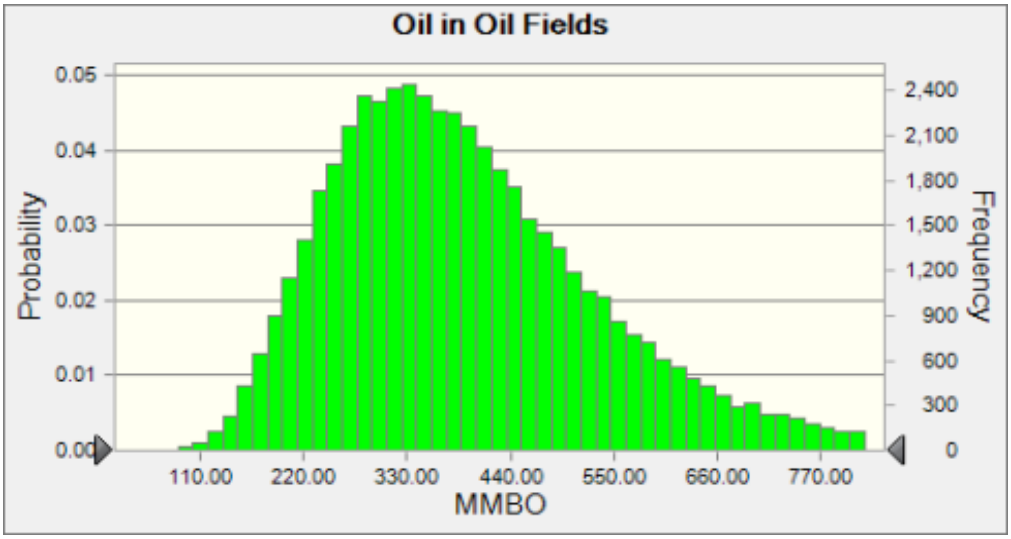
80480102
Irrawaddy-Andaman
Monte Carlo Results

Forecast: Oil in Oil Fields

Summary:
Entire range is from 38.21 to 1,322.79
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.67



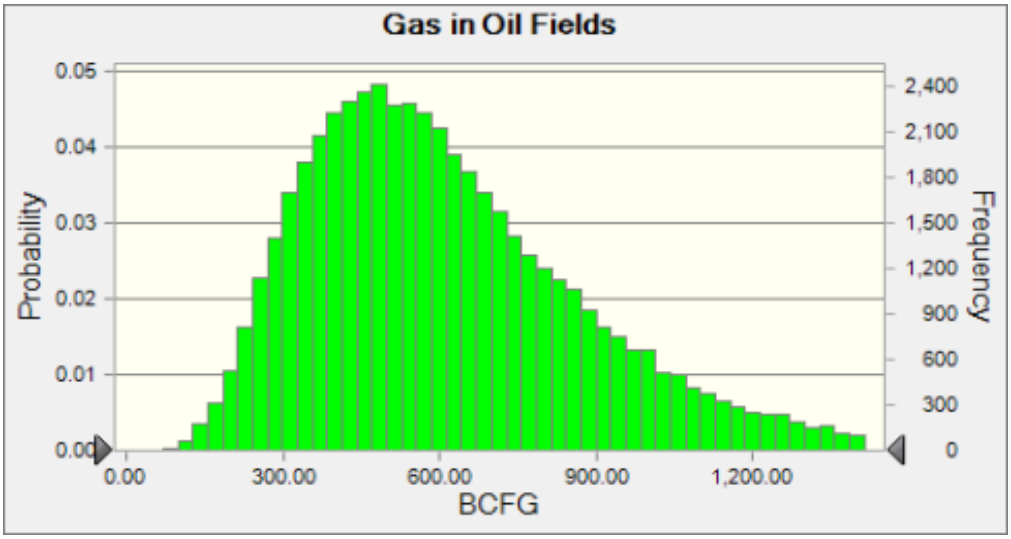
Statistics:	Forecast values
Trials	50,000
Mean	396.57
Median	372.41
Mode	---
Standard Deviation	150.06
Variance	22,517.94
Skewness	1.00
Kurtosis	4.47
Coefficient of Variability	0.3784
Minimum	38.21
Maximum	1,322.79
Range Width	1,284.59
Mean Standard Error	0.67

Forecast: Oil in Oil Fields (continued)

Percentiles:	MMBO
100%	38.21
95%	198.48
90%	229.15
85%	251.75
80%	270.91
75%	288.39
70%	305.42
65%	321.59
60%	337.88
55%	354.89
50%	372.41
45%	390.15
40%	409.03
35%	429.20
30%	451.51
25%	477.97
20%	507.58
15%	545.39
10%	596.08
5%	679.66
0%	1,322.79

Forecast: Gas in Oil Fields

Summary:
Entire range is from 10.96 to 2,680.13
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 1.27



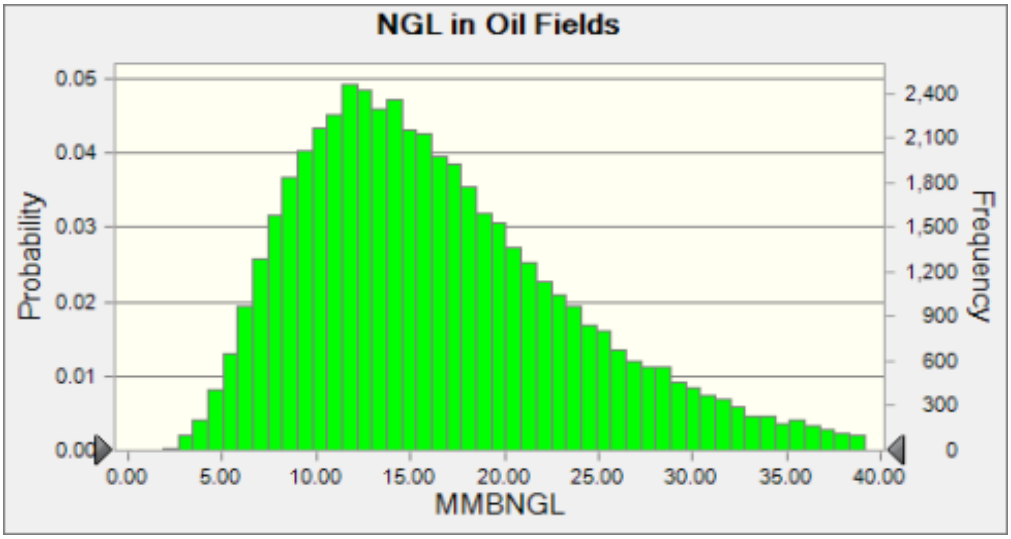
Statistics:	Forecast values
Trials	50,000
Mean	619.06
Median	567.76
Mode	---
Standard Deviation	284.30
Variance	80,825.88
Skewness	1.15
Kurtosis	5.10
Coefficient of Variability	0.4592
Minimum	10.96
Maximum	2,680.13
Range Width	2,669.16
Mean Standard Error	1.27

Forecast: Gas in Oil Fields (continued)

Percentiles:	BCFG
100%	10.96
95%	256.09
90%	307.80
85%	346.58
80%	381.87
75%	414.05
70%	445.17
65%	474.63
60%	504.70
55%	536.08
50%	567.76
45%	600.27
40%	636.14
35%	675.04
30%	719.25
25%	769.90
20%	829.25
15%	899.95
10%	997.91
5%	1,156.27
0%	2,680.13

Forecast: NGL in Oil Fields

Summary:
Entire range is from 0.26 to 101.13
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.04



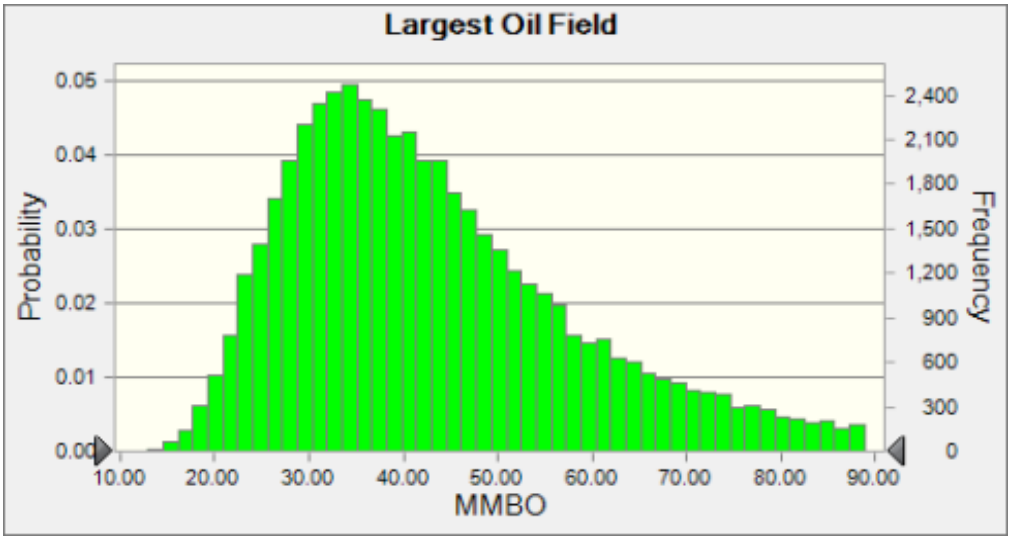
Statistics:	Forecast values
Trials	50,000
Mean	16.74
Median	15.24
Mode	---
Standard Deviation	7.99
Variance	63.87
Skewness	1.24
Kurtosis	5.73
Coefficient of Variability	0.4775
Minimum	0.26
Maximum	101.13
Range Width	100.87
Mean Standard Error	0.04

Forecast: NGL in Oil Fields (continued)

Percentiles:	MMBNGL
100%	0.26
95%	6.71
90%	8.09
85%	9.16
80%	10.12
75%	11.00
70%	11.84
65%	12.65
60%	13.49
55%	14.33
50%	15.24
45%	16.17
40%	17.18
35%	18.25
30%	19.48
25%	20.87
20%	22.52
15%	24.57
10%	27.39
5%	31.78
0%	101.13

Forecast: Largest Oil Field

Summary:
Entire range is from 11.36 to 99.99
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.07



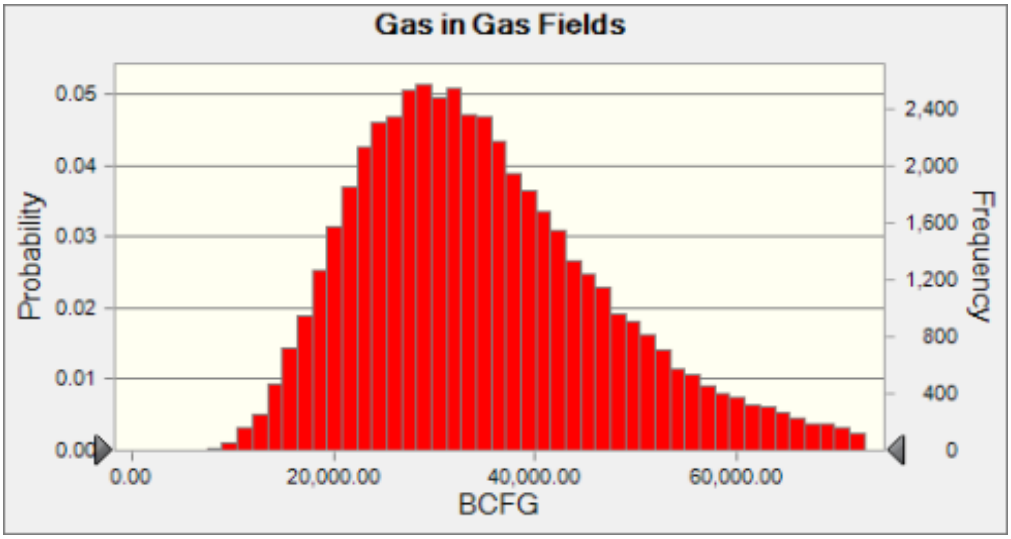
Statistics:	Forecast values
Trials	50,000
Mean	43.64
Median	40.29
Mode	---
Standard Deviation	16.13
Variance	260.03
Skewness	0.9877
Kurtosis	3.73
Coefficient of Variability	0.3695
Minimum	11.36
Maximum	99.99
Range Width	88.64
Mean Standard Error	0.07

Forecast: Largest Oil Field (continued)

Percentiles:	MMBO
100%	11.36
95%	23.38
90%	26.15
85%	28.30
80%	30.14
75%	31.83
70%	33.46
65%	35.06
60%	36.73
55%	38.48
50%	40.28
45%	42.19
40%	44.22
35%	46.47
30%	49.08
25%	52.05
20%	55.65
15%	60.40
10%	66.69
5%	76.44
0%	99.99

Forecast: Gas in Gas Fields

Summary:
Entire range is from 109.83 to 111,282.61
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 59.56



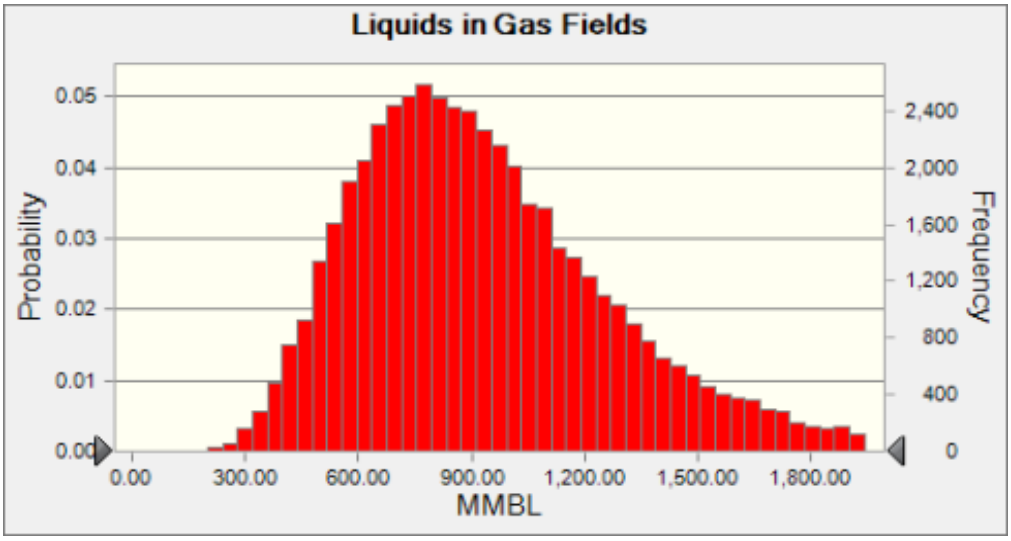
Statistics:	Forecast values
Trials	50,000
Mean	35,309.07
Median	33,162.61
Mode	---
Standard Deviation	13,318.65
Variance	177,386,470.40
Skewness	0.9922
Kurtosis	4.41
Coefficient of Variability	0.3772
Minimum	109.83
Maximum	111,282.61
Range Width	111,172.78
Mean Standard Error	59.56

Forecast: Gas in Gas Fields (continued)

Percentiles:	BCFG
100%	109.83
95%	17,693.11
90%	20,374.39
85%	22,441.97
80%	24,187.39
75%	25,740.63
70%	27,277.96
65%	28,705.09
60%	30,165.48
55%	31,671.71
50%	33,162.46
45%	34,735.08
40%	36,357.01
35%	38,174.13
30%	40,179.95
25%	42,443.42
20%	45,170.09
15%	48,560.83
10%	52,994.08
5%	60,715.06
0%	111,282.61

Forecast: Liquids in Gas Fields

Summary:
Entire range is from 1.88 to 3,019.37
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 1.60



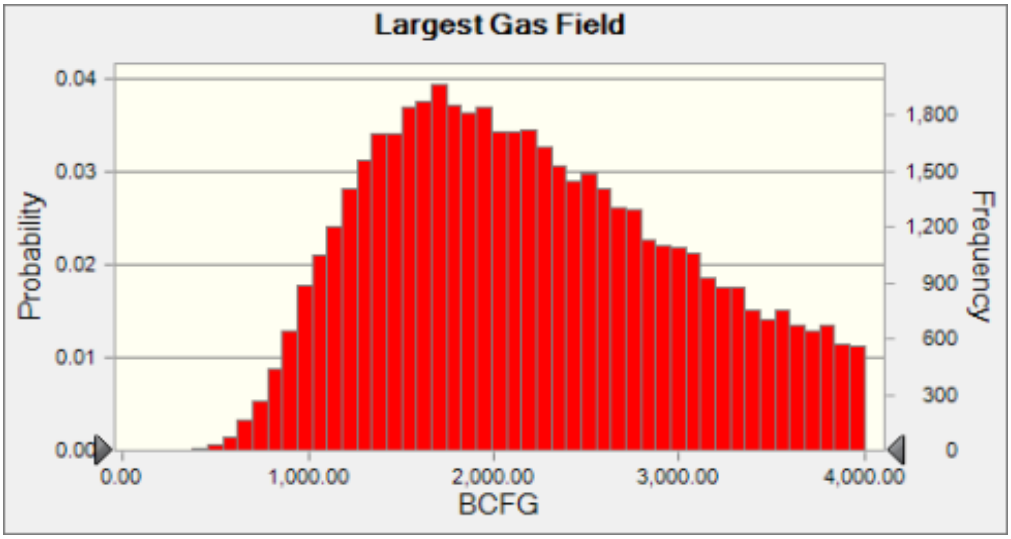
Statistics:	Forecast values
Trials	50,000
Mean	941.19
Median	884.12
Mode	---
Standard Deviation	357.13
Variance	127,541.76
Skewness	0.9850
Kurtosis	4.38
Coefficient of Variability	0.3794
Minimum	1.88
Maximum	3,019.37
Range Width	3,017.50
Mean Standard Error	1.60

Forecast: Liquids in Gas Fields (continued)

Percentiles:	MMBL
100%	1.88
95%	469.56
90%	540.60
85%	594.84
80%	642.62
75%	684.54
70%	725.99
65%	763.98
60%	802.75
55%	842.17
50%	884.12
45%	925.76
40%	969.77
35%	1,017.16
30%	1,072.57
25%	1,133.22
20%	1,207.85
15%	1,295.79
10%	1,418.73
5%	1,624.25
0%	3,019.37

Forecast: Largest Gas Field

Summary:
Entire range is from 55.12 to 3,999.89
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 3.61



Statistics:	Forecast values
Trials	50,000
Mean	2,201.43
Median	2,111.41
Mode	---
Standard Deviation	807.04
Variance	651,307.79
Skewness	0.3142
Kurtosis	2.23
Coefficient of Variability	0.3666
Minimum	55.12
Maximum	3,999.89
Range Width	3,944.77
Mean Standard Error	3.61

Forecast: Largest Gas Field (continued)

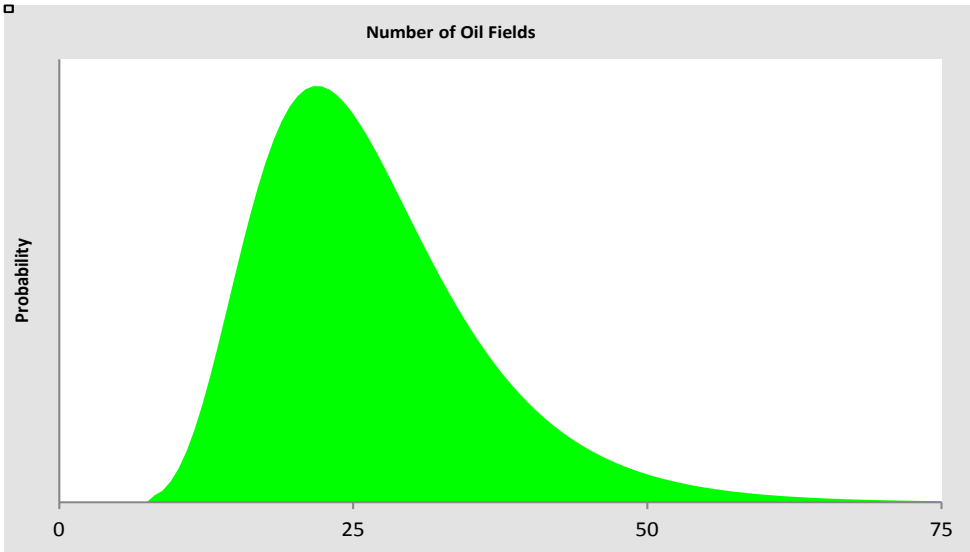
Percentiles:	BCFG
100%	55.12
95%	1,020.42
90%	1,196.26
85%	1,332.47
80%	1,451.47
75%	1,564.47
70%	1,671.01
65%	1,774.35
60%	1,884.48
55%	1,993.86
50%	2,111.37
45%	2,228.88
40%	2,354.68
35%	2,490.50
30%	2,631.41
25%	2,786.97
20%	2,966.57
15%	3,159.73
10%	3,389.86
5%	3,671.98
0%	3,999.89

End of Forecasts

Assumptions

Assumption: Number of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	1
Mean	25.65	26.65
Standard Deviation	9.67	9.67
Selected range is from -Infinity to 74.00		1.00 to 75.00



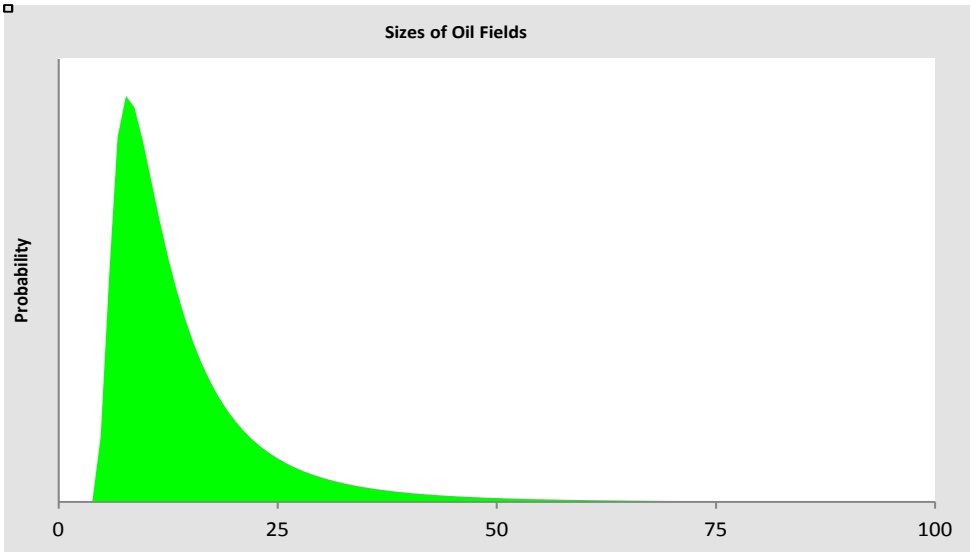
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	26.63	26.59
Median	25.00	24.99
Mode	---	---
Standard Deviation	9.54	9.50
Variance	91.06	90.23
Skewness	1.04	1.04
Kurtosis	4.49	4.55
Coefficient of Variability	0.3583	0.3572
Minimum	5.78	1.00
Maximum	75.00	75.00
Range Width	69.22	74.00
Mean Standard Error	0.04	---

Assumption: Number of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	5.78	1.00
95%	14.19	14.18
90%	16.05	16.04
85%	17.44	17.45
80%	18.65	18.66
75%	19.78	19.76
70%	20.82	20.82
65%	21.85	21.85
60%	22.85	22.88
55%	23.89	23.92
50%	25.00	24.99
45%	26.14	26.11
40%	27.32	27.31
35%	28.62	28.60
30%	30.12	30.03
25%	31.71	31.66
20%	33.68	33.58
15%	36.07	35.97
10%	39.32	39.21
5%	44.86	44.56
0%	75.00	75.00

Assumption: Sizes of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	5
Mean	9.99	14.99
Standard Deviation	10.19	10.19
Selected range is from -Infinity to 95.00		5.00 to 100.00



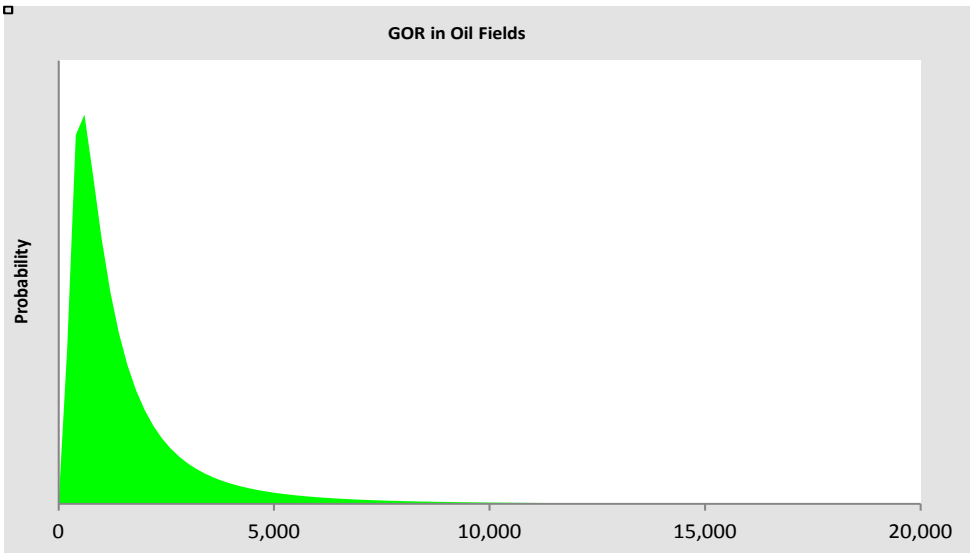
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	14.96	14.88
Median	11.99	11.99
Mode	---	---
Standard Deviation	9.59	9.48
Variance	91.92	89.84
Skewness	2.75	2.82
Kurtosis	14.25	14.98
Coefficient of Variability	0.6408	0.6369
Minimum	5.20	5.00
Maximum	99.98	100.00
Range Width	94.78	95.00
Mean Standard Error	0.04	---

Assumption: Sizes of Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	5.20	5.00
95%	6.75	6.75
90%	7.36	7.37
85%	7.91	7.92
80%	8.42	8.44
75%	8.93	8.96
70%	9.49	9.49
65%	10.07	10.05
60%	10.67	10.65
55%	11.31	11.29
50%	11.99	11.99
45%	12.77	12.77
40%	13.69	13.66
35%	14.72	14.68
30%	15.96	15.88
25%	17.45	17.34
20%	19.31	19.21
15%	21.92	21.74
10%	25.87	25.56
5%	33.53	32.84
0%	99.98	100.00

Assumption: GOR in Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	100
Mean	1,486.77	1,586.77
Standard Deviation	1,954.99	1,954.99
Selected range is from -Infinity to 19,900.00		100.00 to 20,000.00



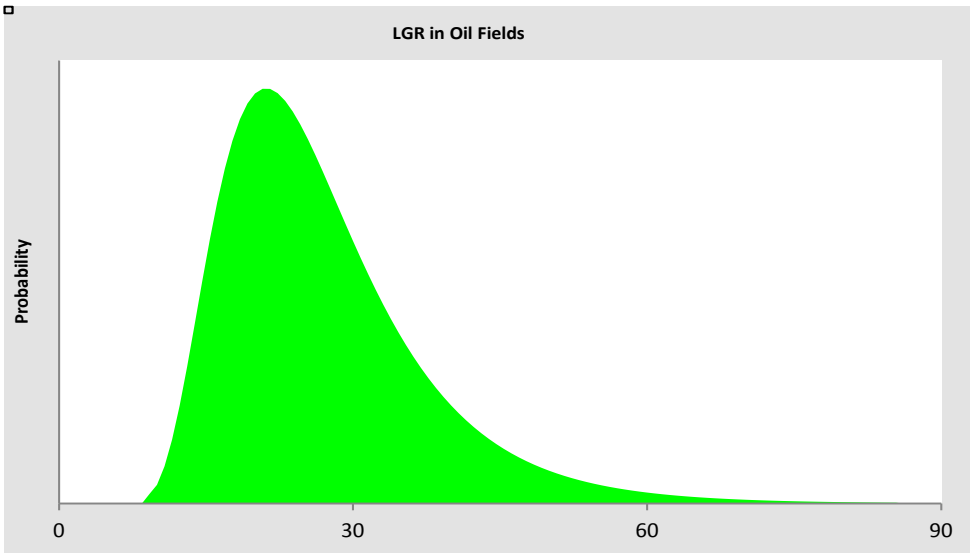
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	1,553.29	1,560.86
Median	1,006.75	998.87
Mode	---	---
Standard Deviation	1,732.16	1,751.30
Variance	3,000,385.28	3,067,051.73
Skewness	3.57	3.56
Kurtosis	22.24	21.98
Coefficient of Variability	1.12	1.12
Minimum	109.97	100.00
Maximum	19,901.14	20,000.00
Range Width	19,791.17	19,900.00
Mean Standard Error	7.75	---

Assumption: GOR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	109.97	100.00
95%	272.15	273.09
90%	349.87	349.07
85%	418.10	418.39
80%	485.95	486.99
75%	556.67	557.51
70%	632.22	631.71
65%	710.32	711.17
60%	796.82	797.51
55%	895.71	892.62
50%	1,006.74	998.87
45%	1,124.30	1,119.34
40%	1,261.78	1,258.27
35%	1,426.69	1,421.75
30%	1,621.72	1,619.00
25%	1,860.31	1,864.90
20%	2,171.90	2,185.60
15%	2,607.07	2,633.15
10%	3,307.33	3,333.57
5%	4,726.06	4,734.66
0%	19,901.14	20,000.00

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



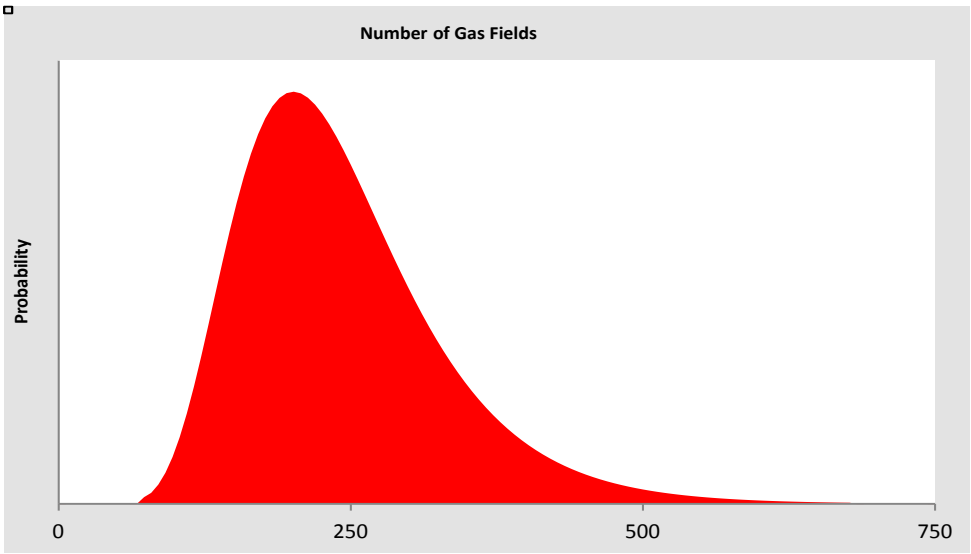
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	27.03	27.05
Median	25.00	24.99
Mode	---	---
Standard Deviation	10.18	10.21
Variance	103.69	104.25
Skewness	1.32	1.31
Kurtosis	5.56	5.52
Coefficient of Variability	0.3768	0.3775
Minimum	8.08	5.00
Maximum	84.97	85.00
Range Width	76.89	80.00
Mean Standard Error	0.05	---

Assumption: LGR in Oil Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	8.08	5.00
95%	14.60	14.56
90%	16.30	16.25
85%	17.58	17.56
80%	18.69	18.71
75%	19.76	19.77
70%	20.82	20.80
65%	21.83	21.82
60%	22.86	22.84
55%	23.93	23.89
50%	25.00	24.99
45%	26.14	26.15
40%	27.37	27.39
35%	28.74	28.76
30%	30.23	30.28
25%	31.87	32.04
20%	33.97	34.14
15%	36.70	36.79
10%	40.35	40.46
5%	46.73	46.66
0%	84.97	85.00

Assumption: Number of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	1
Mean	238.70	239.7
Standard Deviation	87.87	87.87
Selected range is from -Infinity to 674.00		1.00 to 675.00



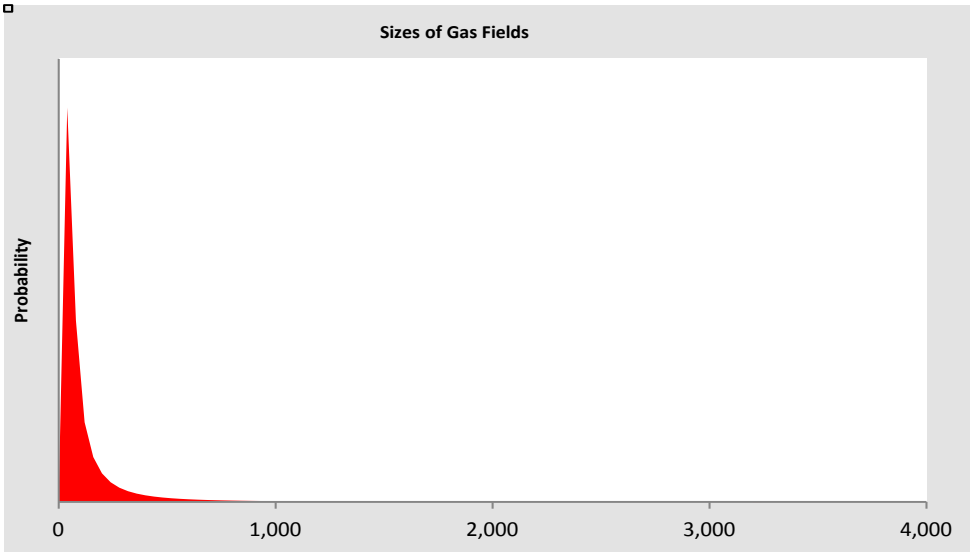
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	239.27	239.19
Median	224.90	224.90
Mode	---	---
Standard Deviation	86.41	86.40
Variance	7,466.63	7,464.60
Skewness	1.01	1.01
Kurtosis	4.42	4.47
Coefficient of Variability	0.3611	0.3612
Minimum	55.83	1.00
Maximum	673.49	675.00
Range Width	617.65	674.00
Mean Standard Error	0.39	---

Assumption: Number of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	55.83	1.00
95%	126.04	125.60
90%	143.30	142.82
85%	156.07	155.77
80%	166.92	166.89
75%	176.89	177.07
70%	186.60	186.75
65%	196.09	196.18
60%	205.59	205.58
55%	215.09	215.10
50%	224.90	224.90
45%	234.99	235.15
40%	245.94	246.04
35%	257.83	257.82
30%	270.37	270.85
25%	285.29	285.65
20%	302.93	303.07
15%	324.87	324.71
10%	355.15	354.08
5%	403.39	402.33
0%	673.49	675.00

Assumption: Sizes of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Location	0.00	30
Mean	124.12	154.12
Standard Deviation	345.16	345.16
Selected range is from -Infinity to 3,970.00		30.00 to 4,000.00



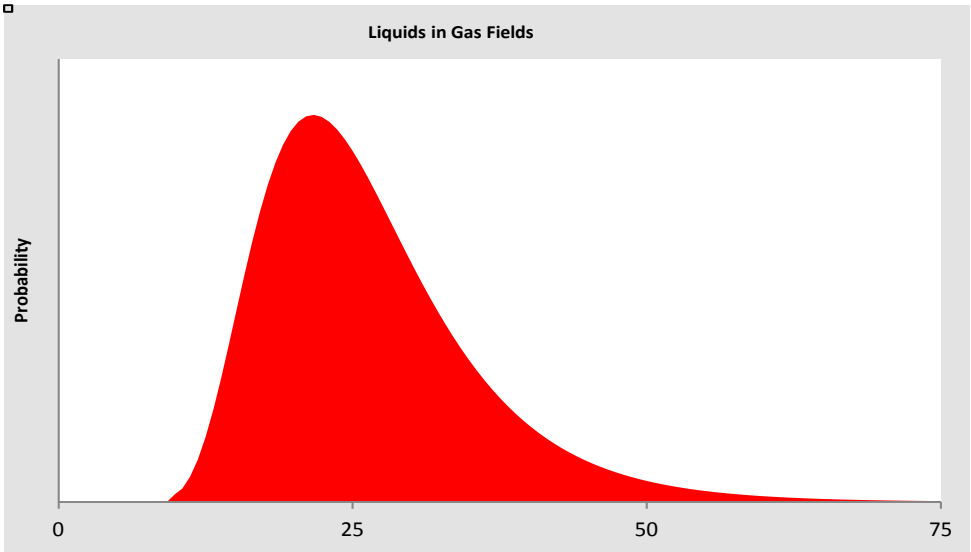
Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	147.84	147.84
Median	71.96	71.92
Mode	---	---
Standard Deviation	245.48	247.52
Variance	60,261.81	61,268.20
Skewness	6.09	6.22
Kurtosis	57.00	58.75
Coefficient of Variability	1.66	1.67
Minimum	30.07	30.00
Maximum	3,993.62	4,000.00
Range Width	3,963.55	3,970.00
Mean Standard Error	1.10	---

Assumption: Sizes of Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	30.07	30.00
95%	33.81	33.73
90%	36.44	36.36
85%	39.14	39.12
80%	42.15	42.15
75%	45.44	45.54
70%	49.33	49.38
65%	53.81	53.78
60%	58.95	58.88
55%	65.00	64.85
50%	71.96	71.92
45%	80.72	80.43
40%	90.92	90.85
35%	104.19	103.87
30%	120.84	120.62
25%	143.24	142.97
20%	174.39	174.38
15%	222.09	222.11
10%	305.28	304.99
5%	502.95	496.67
0%	3,993.62	4,000.00

Assumption: Liquids in Gas 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	26.58	26.66
Median	24.90	24.99
Mode	---	---
Standard Deviation	8.96	9.00
Variance	80.27	80.97
Skewness	1.15	1.17
Kurtosis	4.89	4.99
Coefficient of Variability	0.3371	0.3376
Minimum	8.63	5.00
Maximum	74.91	75.00
Range Width	66.28	70.00
Mean Standard Error	0.04	---

Assumption: Liquids in Gas Fields (continued)

Percentiles:	Simulated values	Theoretical values
100%	8.63	5.00
95%	15.26	15.26
90%	16.89	16.89
85%	18.10	18.13
80%	19.15	19.21
75%	20.14	20.21
70%	21.05	21.16
65%	21.97	22.10
60%	22.92	23.04
55%	23.91	24.00
50%	24.90	24.99
45%	25.94	26.03
40%	27.05	27.15
35%	28.29	28.36
30%	29.63	29.72
25%	31.20	31.26
20%	33.01	33.10
15%	35.42	35.40
10%	38.58	38.56
5%	43.68	43.82
0%	74.91	75.00

End of Assumptions

Simulation started on 9/27/2011 at 1:28 PM
Simulation stopped on 9/27/2011 at 1:45 PM