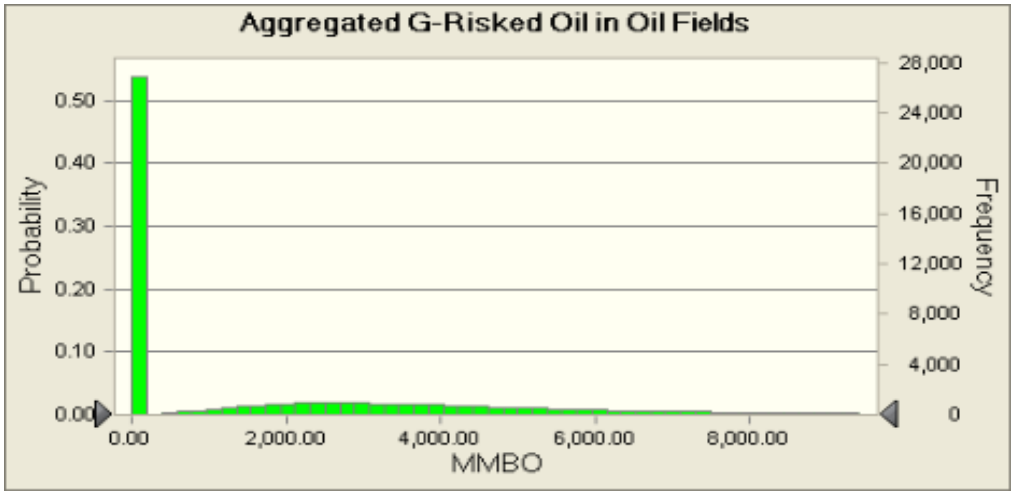
12000101
Lena-Anabar Basin
Monte Carlo Results

Forecast: Aggregated G-Risked Oil in Oil Fields

Summary:
Entire range is from 0.00 to 22,388.55
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 11.96



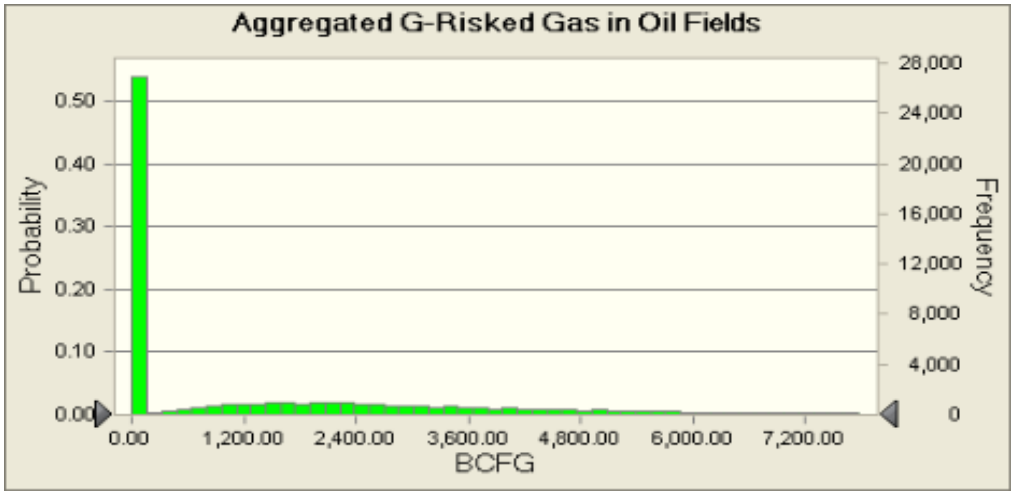
Statistics:	Forecast values
Trials	50,000
Mean	1,912.89
Median	0.00
Mode	0.00
Standard Deviation	2,673.40
Variance	7,147,072.27
Skewness	1.64
Kurtosis	6.17
Coefficient of Variability	1.40
Minimum	0.00
Maximum	22,388.55
Range Width	22,388.55
Mean Standard Error	11.96

Forecast: Aggregated G-Risked Oil in Oil Fields (cont'd)

Percentiles:	MMBO
P100	0.00
P95	0.00
P90	0.00
P85	0.00
P80	0.00
P75	0.00
P70	0.00
P65	0.00
P60	0.00
P55	0.00
P50	0.00
P45	896.32
P40	1,770.70
P35	2,336.11
P30	2,864.89
P25	3,392.10
P20	3,986.77
P15	4,687.16
P10	5,625.48
P5	7,206.67
P0	22,388.55

Forecast: Aggregated G-Risked Gas in Oil Fields

Summary:
Entire range is from 0.00 to 22,774.38
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 10.00



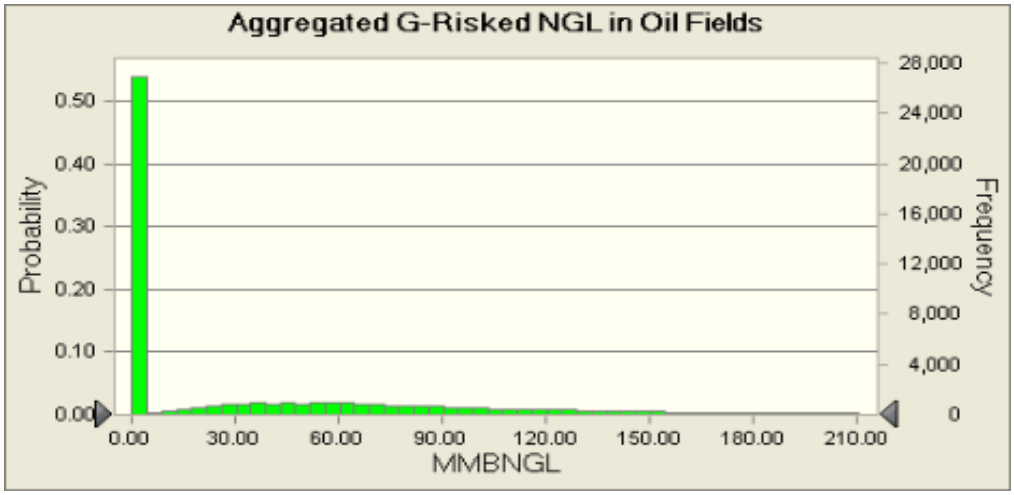
Statistics:	Forecast values
Trials	50,000
Mean	1,502.25
Median	0.00
Mode	0.00
Standard Deviation	2,236.67
Variance	5,002,712.59
Skewness	1.98
Kurtosis	8.22
Coefficient of Variability	1.49
Minimum	0.00
Maximum	22,774.38
Range Width	22,774.38
Mean Standard Error	10.00

Forecast: Aggregated G-Risked Gas in Oil Fields (cont'd)

Percentiles:	BCFG
P100	0.00
P95	0.00
P90	0.00
P85	0.00
P80	0.00
P75	0.00
P70	0.00
P65	0.00
P60	0.00
P55	0.00
P50	0.00
P45	532.07
P40	1,172.42
P35	1,624.55
P30	2,060.02
P25	2,507.21
P20	3,020.67
P15	3,676.45
P10	4,560.68
P5	6,022.14
P0	22,774.38

Forecast: Aggregated G-Risked NGL in Oil Fields

Summary:
Entire range is from 0.00 to 1,039.13
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.27



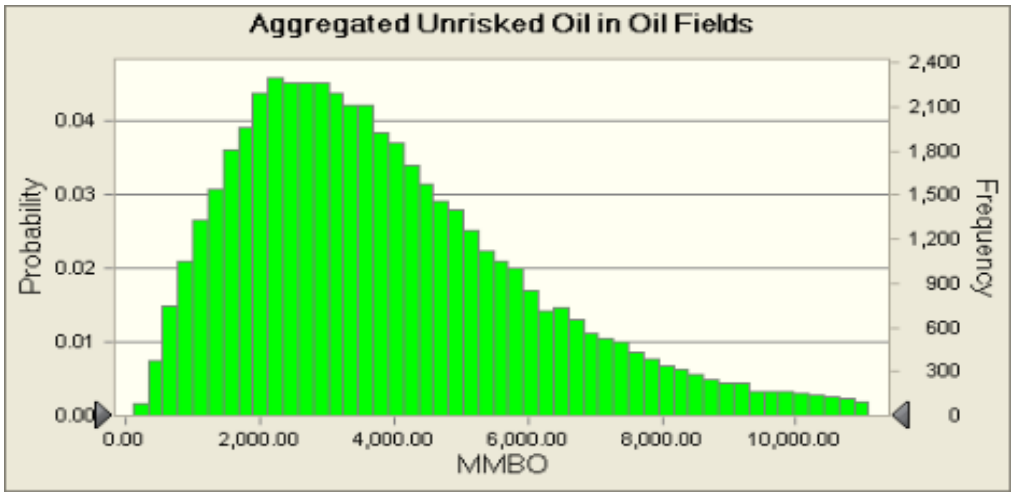
Statistics:	Forecast values
Trials	50,000
Mean	40.30
Median	0.00
Mode	0.00
Standard Deviation	60.73
Variance	3,687.99
Skewness	2.11
Kurtosis	9.90
Coefficient of Variability	1.51
Minimum	0.00
Maximum	1,039.13
Range Width	1,039.13
Mean Standard Error	0.27

Forecast: Aggregated G-Risked NGL in Oil Fields (cont'd)

Percentiles:	MMBNGL
P100	0.00
P95	0.00
P90	0.00
P85	0.00
P80	0.00
P75	0.00
P70	0.00
P65	0.00
P60	0.00
P55	0.00
P50	0.00
P45	13.83
P40	30.61
P35	42.85
P30	54.72
P25	66.65
P20	80.78
P15	98.04
P10	122.54
P5	162.63
P0	1,039.13

Forecast: Aggregated Unrisked Oil in Oil Fields

Summary:
Entire range is from 102.00 to 22,388.55
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 11.25



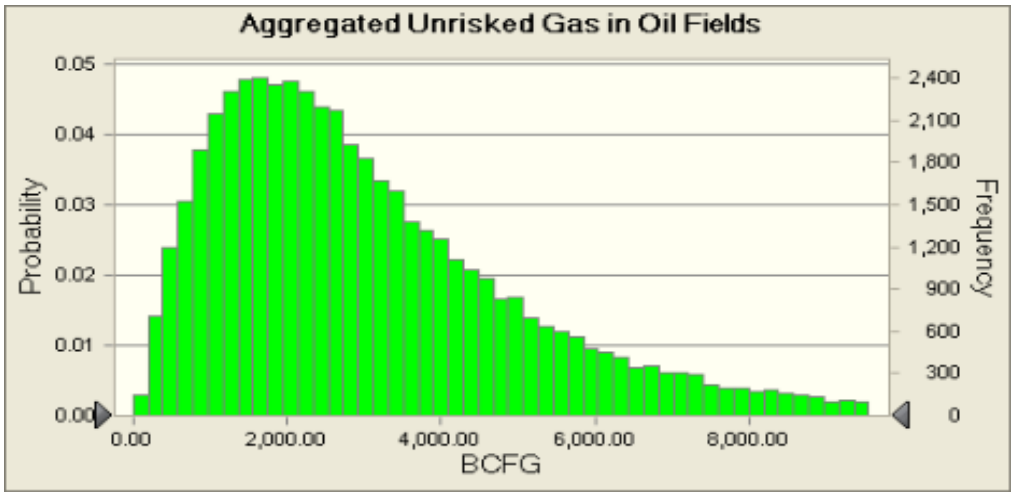
Statistics:	Forecast values
Trials	50,000
Mean	4,044.03
Median	3,523.83
Mode	---
Standard Deviation	2,515.65
Variance	6,328,494.34
Skewness	1.48
Kurtosis	6.41
Coefficient of Variability	0.6221
Minimum	102.00
Maximum	22,388.55
Range Width	22,286.55
Mean Standard Error	11.25

Forecast: Aggregated Unrisked Oil in Oil Fields (cont'd)

Percentiles:	MMBO
P100	102.00
P95	1,048.63
P90	1,433.65
P85	1,739.56
P80	2,008.70
P75	2,254.31
P70	2,502.29
P65	2,749.59
P60	3,001.27
P55	3,258.72
P50	3,523.80
P45	3,797.52
P40	4,089.19
P35	4,421.76
P30	4,796.12
P25	5,211.45
P20	5,720.18
P15	6,379.93
P10	7,290.04
P5	8,862.52
P0	22,388.55

Forecast: Aggregated Unrisked Gas in Oil Fields

Summary:
Entire range is from 0.20 to 24,934.29
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 10.19



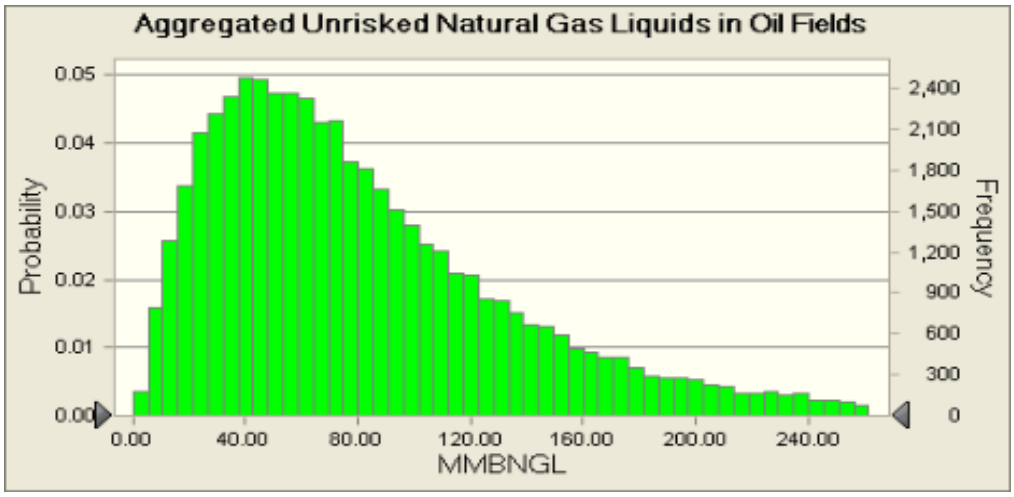
Statistics:	Forecast values
Trials	50,000
Mean	3,181.65
Median	2,629.81
Mode	---
Standard Deviation	2,277.54
Variance	5,187,190.66
Skewness	1.72
Kurtosis	7.75
Coefficient of Variability	0.7158
Minimum	0.20
Maximum	24,934.29
Range Width	24,934.08
Mean Standard Error	10.19

Forecast: Aggregated Unrisked Gas in Oil Fields (cont'd)

Percentiles:	BCFG
P100	0.20
P95	648.22
P90	933.94
P85	1,162.56
P80	1,373.26
P75	1,574.32
P70	1,781.26
P65	1,986.90
P60	2,195.94
P55	2,409.97
P50	2,629.78
P45	2,867.62
P40	3,138.33
P35	3,434.24
P30	3,778.08
P25	4,170.14
P20	4,637.87
P15	5,250.39
P10	6,112.09
P5	7,589.98
P0	24,934.29

Forecast: Aggregated Unrisked Natural Gas Liquids in Oil Fields

Summary:
Entire range is from 0.00 to 1,147.62
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.28



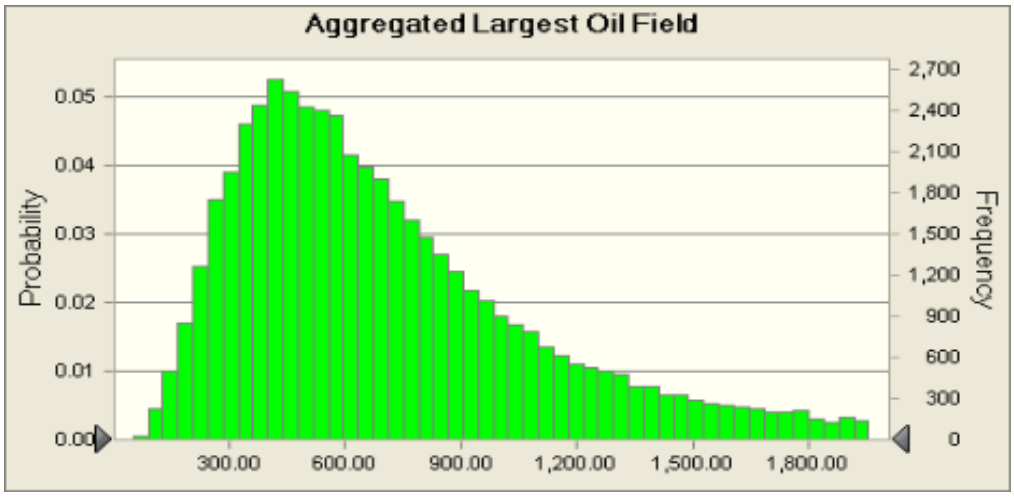
Statistics:	Forecast values
Trials	50,000
Mean	85.38
Median	70.14
Mode	---
Standard Deviation	62.93
Variance	3,960.58
Skewness	1.96
Kurtosis	11.26
Coefficient of Variability	0.7371
Minimum	0.00
Maximum	1,147.62
Range Width	1,147.62
Mean Standard Error	0.28

Forecast: Aggregated Unrisked Natural Gas Liquids in Oil Fields (cont'd)

Percentiles:	MMBNGL
P100	0.00
P95	16.82
P90	24.23
P85	30.35
P80	36.06
P75	41.55
P70	46.87
P65	52.49
P60	58.13
P55	63.88
P50	70.14
P45	76.42
P40	83.82
P35	91.86
P30	100.91
P25	111.60
P20	124.74
P15	141.65
P10	165.44
P5	206.83
P0	1,147.62

Forecast: Aggregated Largest Oil Field

Summary:
Entire range is from 51.00 to 2,499.55
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 1.96



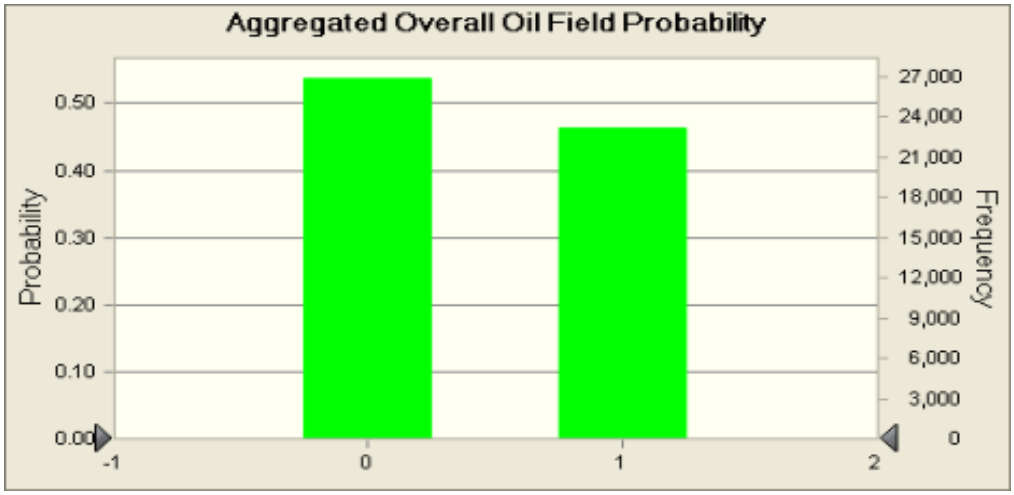
Statistics:	Forecast values
Trials	50,000
Mean	731.07
Median	619.67
Mode	---
Standard Deviation	437.52
Variance	191,424.48
Skewness	1.36
Kurtosis	4.87
Coefficient of Variability	0.5985
Minimum	51.00
Maximum	2,499.55
Range Width	2,448.55
Mean Standard Error	1.96

Forecast: Aggregated Largest Oil Field (cont'd)

Percentiles:	MMBO
P100	51.00
P95	235.63
P90	292.33
P85	339.54
P80	380.47
P75	418.24
P70	456.30
P65	494.44
P60	535.63
P55	574.92
P50	619.67
P45	668.12
P40	719.00
P35	777.30
P30	843.61
P25	922.13
P20	1,020.76
P15	1,150.26
P10	1,334.99
P5	1,654.06
P0	2,499.55

Forecast: Aggregated Overall Oil Field Probability

Summary:
Entire range is from 0.00 to 1.00
After 50,000 trials, the standard error of the mean is 0.00



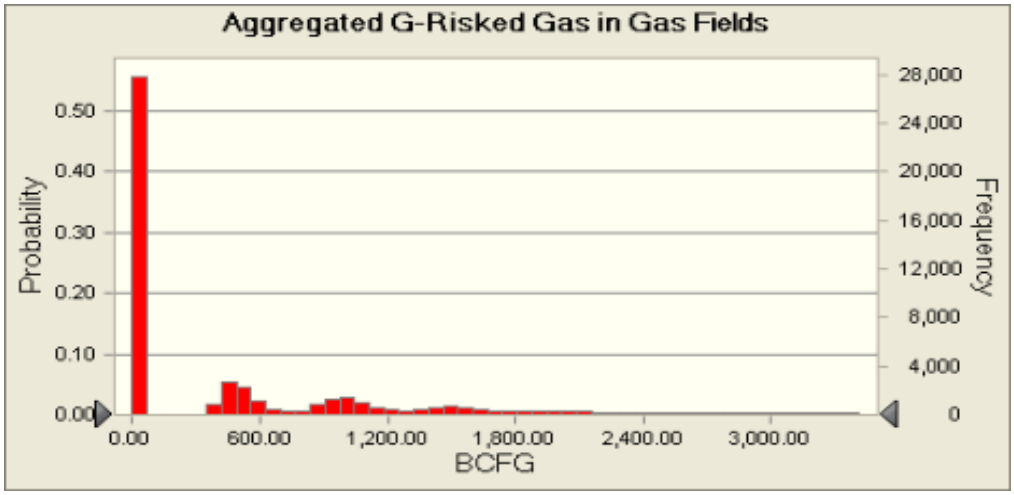
Statistics:	Forecast values	
Trials	50,000	
Mean	0.4618	= the probability of at least one undiscovered oil accumulation of minimum size or larger
Median	0.00	
Mode	0.00	
Standard Deviation	0.50	
Variance	0.25	
Skewness	0.1531	
Kurtosis	1.02	
Coefficient of Variability	1.08	
Minimum	0.00	
Maximum	1.00	
Range Width	1.00	
Mean Standard Error	0.00	

Forecast: Aggregated Overall Oil Field Probability (cont'd)

Percentiles:	Forecast values
P100	0.00
P95	0.00
P90	0.00
P85	0.00
P80	0.00
P75	0.00
P70	0.00
P65	0.00
P60	0.00
P55	0.00
P50	0.00
P45	1.00
P40	1.00
P35	1.00
P30	1.00
P25	1.00
P20	1.00
P15	1.00
P10	1.00
P5	1.00
P0	1.00

Forecast: Aggregated G-Risked Gas in Gas Fields

Summary:
Entire range is from 0.00 to 10,532.61
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 4.48



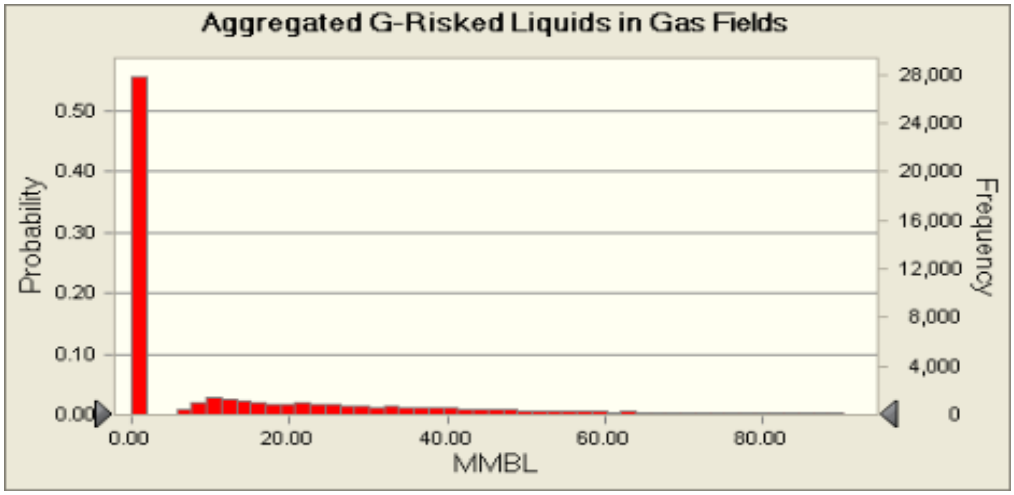
Statistics:	Forecast values
Trials	50,000
Mean	604.50
Median	0.00
Mode	0.00
Standard Deviation	1,000.80
Variance	1,001,595.73
Skewness	2.73
Kurtosis	13.83
Coefficient of Variability	1.66
Minimum	0.00
Maximum	10,532.61
Range Width	10,532.61
Mean Standard Error	4.48

Forecast: Aggregated G-Risked Gas in Gas Fields (cont'd)

Percentiles:	BCFG
P100	0.00
P95	0.00
P90	0.00
P85	0.00
P80	0.00
P75	0.00
P70	0.00
P65	0.00
P60	0.00
P55	0.00
P50	0.00
P45	0.00
P40	452.15
P35	516.79
P30	651.39
P25	956.64
P20	1,099.34
P15	1,449.50
P10	1,832.07
P5	2,537.53
P0	10,532.61

Forecast: Aggregated G-Risked Liquids in Gas Fields

Summary:
Entire range is from 0.00 to 288.75
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.12



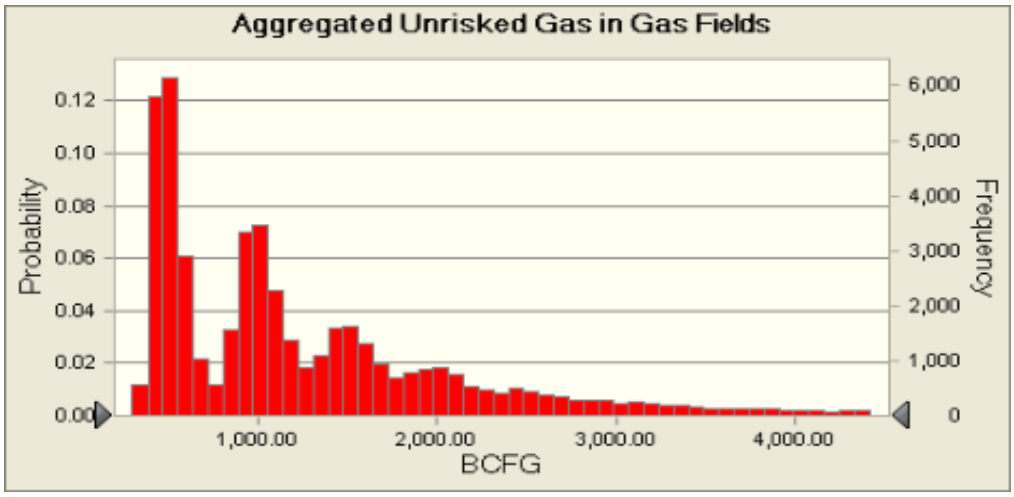
Statistics:	Forecast values
Trials	50,000
Mean	16.11
Median	0.00
Mode	0.00
Standard Deviation	27.16
Variance	737.90
Skewness	2.75
Kurtosis	13.90
Coefficient of Variability	1.69
Minimum	0.00
Maximum	288.75
Range Width	288.75
Mean Standard Error	0.12

Forecast: Aggregated G-Risked Liquids in Gas Fields (cont'd)

Percentiles:	MMBL
P100	0.00
P95	0.00
P90	0.00
P85	0.00
P80	0.00
P75	0.00
P70	0.00
P65	0.00
P60	0.00
P55	0.00
P50	0.00
P45	0.00
P40	10.21
P35	13.79
P30	18.69
P25	23.90
P20	30.28
P15	38.45
P10	49.13
P5	69.21
P0	288.75

Forecast: Aggregated Unrisked Gas in Gas Fields

Summary:
Entire range is from 301.00 to 10,868.92 (filtered)
Filter range is from 0.00 to Infinity
After 47,666 trials, the standard error of the mean is 5.02



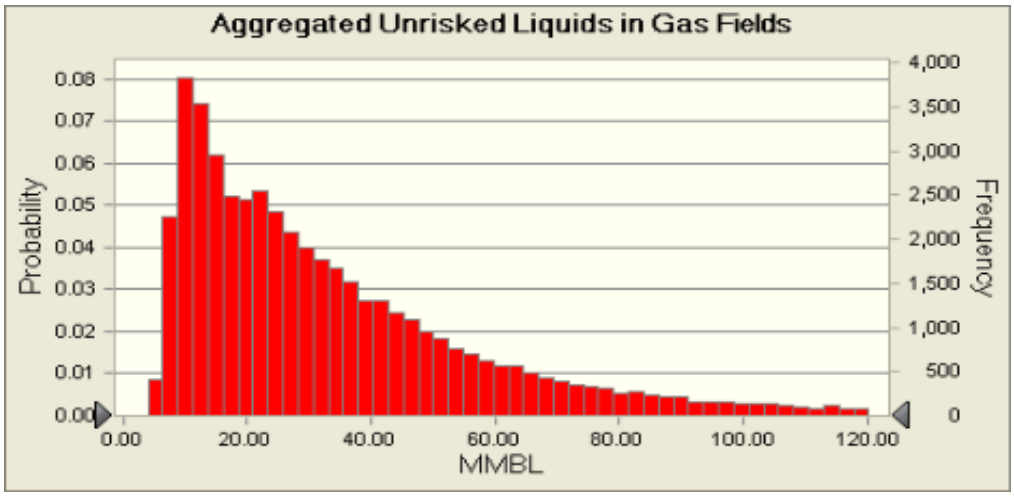
Statistics:	Forecast values
Trials	47,666
Mean	1,344.47
Median	1,017.65
Mode	---
Standard Deviation	1,095.05
Variance	1,199,144.74
Skewness	2.44
Kurtosis	11.87
Coefficient of Variability	0.8145
Minimum	301.00
Maximum	10,868.92
Range Width	10,567.92
Mean Standard Error	5.02
Filtered Values	2334

Forecast: Aggregated Unrisked Gas in Gas Fields (cont'd)

Percentiles:	BCFG
P100	301.00
P95	420.20
P90	450.37
P85	477.65
P80	506.99
P75	542.62
P70	594.99
P65	765.79
P60	903.85
P55	962.57
P50	1,017.65
P45	1,084.82
P40	1,198.29
P35	1,397.31
P30	1,519.88
P25	1,671.27
P20	1,930.37
P15	2,187.46
P10	2,635.66
P5	3,457.66
P0	10,868.92

Forecast: Aggregated Unrisked Liquids in Gas Fields

Summary:
Entire range is from 1.51 to 305.87 (filtered)
Filter range is from 0.00 to Infinity
After 47,666 trials, the standard error of the mean is 0.14



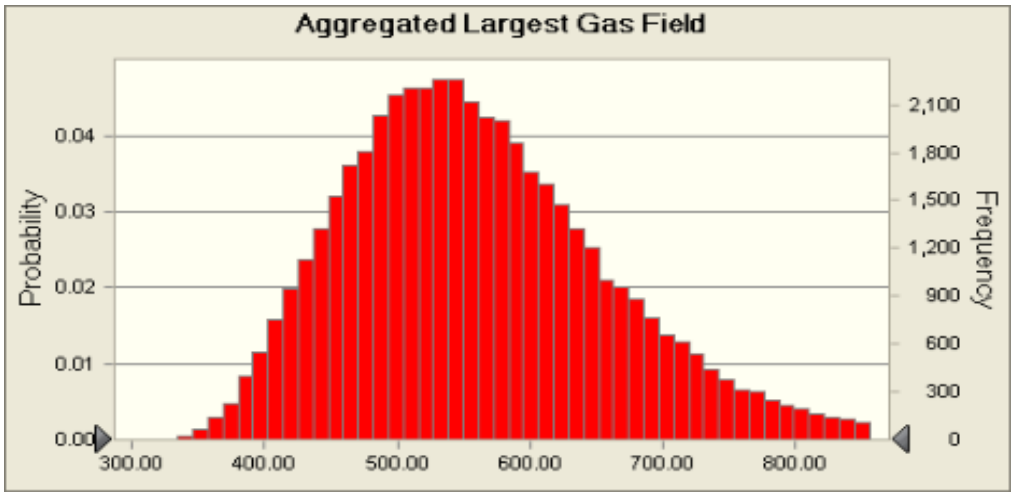
Statistics:	Forecast values
Trials	47,666
Mean	35.82
Median	26.93
Mode	---
Standard Deviation	30.16
Variance	909.35
Skewness	2.36
Kurtosis	11.33
Coefficient of Variability	0.8419
Minimum	1.51
Maximum	305.87
Range Width	304.37
Mean Standard Error	0.14
Filtered Values	2334

Forecast: Aggregated Unrisked Liquids in Gas Fields (cont'd)

Percentiles:	MMBL
P100	1.51
P95	8.58
P90	10.19
P85	11.62
P80	13.23
P75	15.10
P70	17.29
P65	19.64
P60	22.00
P55	24.31
P50	26.93
P45	29.86
P40	33.10
P35	36.65
P30	40.94
P25	45.67
P20	51.69
P15	59.93
P10	71.85
P5	94.21
P0	305.87

Forecast: Aggregated Largest Gas Field

Summary:
Entire range is from 301.00 to 999.25 (filtered)
Filter range is from 0.00 to Infinity
After 47,666 trials, the standard error of the mean is 0.48



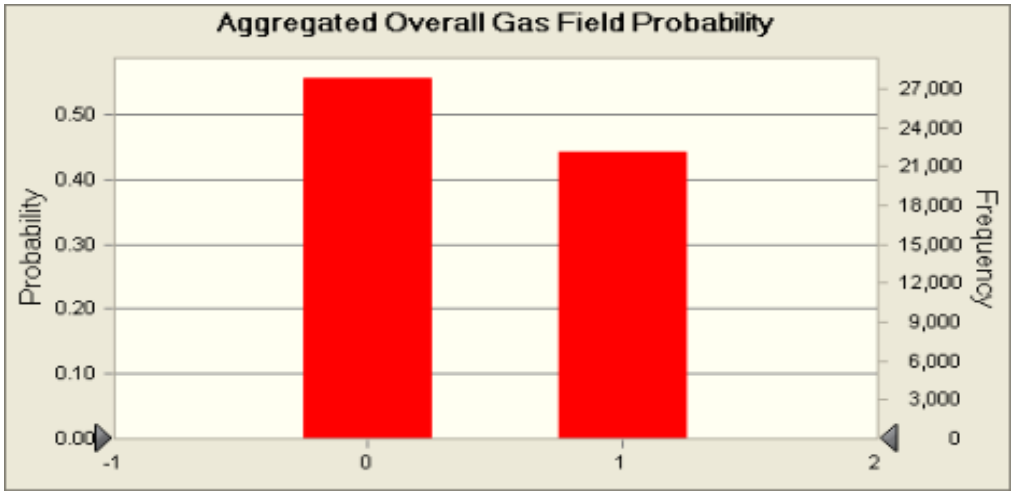
Statistics:	Forecast values
Trials	47,666
Mean	563.49
Median	550.29
Mode	---
Standard Deviation	104.03
Variance	10,821.26
Skewness	0.7756
Kurtosis	3.81
Coefficient of Variability	0.1846
Minimum	301.00
Maximum	999.25
Range Width	698.25
Mean Standard Error	0.48
Filtered Values	2334

Forecast: Aggregated Largest Gas Field (cont'd)

Percentiles:	BCFG
P100	301.00
P95	417.06
P90	441.38
P85	459.79
P80	475.11
P75	489.12
P70	502.03
P65	514.27
P60	526.27
P55	538.28
P50	550.29
P45	562.90
P40	576.35
P35	590.52
P30	605.91
P25	622.76
P20	642.96
P15	668.53
P10	701.58
P5	754.95
P0	999.25

Forecast: Aggregated Overall Gas Field Probability

Summary:
Entire range is from 0.00 to 1.00
After 50,000 trials, the standard error of the mean is 0.00



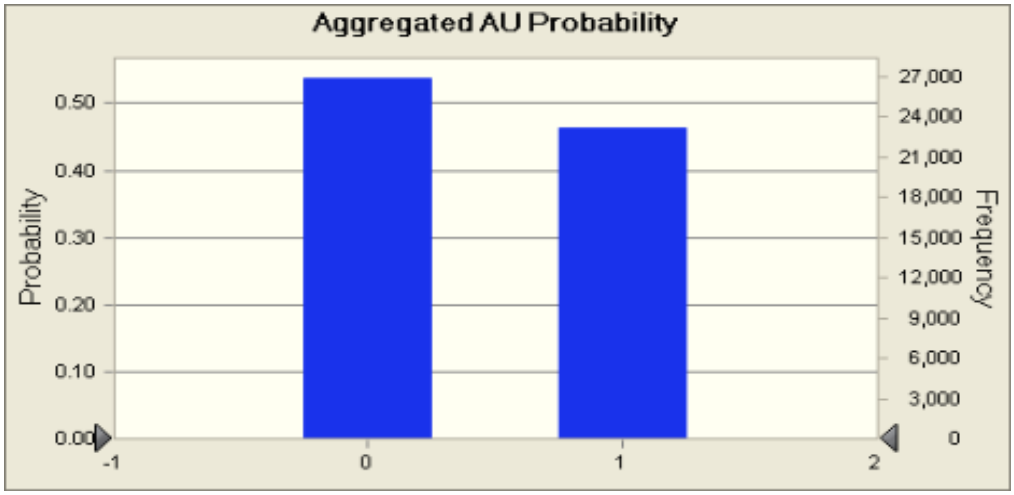
Statistics:	Forecast values	
Trials	50,000.0000	
Mean	0.44	= the probability of at least one undiscovered gas accumulation of minimum size or larger
Median	0.00	
Mode	0.00	
Standard Deviation	0.50	
Variance	0.25	
Skewness	0.2294	
Kurtosis	1.05	
Coefficient of Variability	1.12	
Minimum	0.00	
Maximum	1.00	
Range Width	1.00	
Mean Standard Error	0.00	

Forecast: Aggregated Overall Gas Field Probability (cont'd)

Percentiles:	Forecast values
P100	0.00
P95	0.00
P90	0.00
P85	0.00
P80	0.00
P75	0.00
P70	0.00
P65	0.00
P60	0.00
P55	0.00
P50	0.00
P45	0.00
P40	1.00
P35	1.00
P30	1.00
P25	1.00
P20	1.00
P15	1.00
P10	1.00
P5	1.00
P0	1.00

Forecast: Aggregated AU Probability

Summary:
Entire range is from 0.00 to 1.00
After 50,000 trials, the standard error of the mean is 0.00



Statistics:	Forecast values	
Trials	50,000.0000	
Mean	0.46	= the probability of at least one undiscovered oil OR gas accumulation of minimum size or larger
Median	0.00	
Mode	0.00	
Standard Deviation	0.50	
Variance	0.25	
Skewness	0.1531	
Kurtosis	1.02	
Coefficient of Variability	1.08	
Minimum	0.00	
Maximum	1.00	
Range Width	1.00	

Forecast: Aggregated AU Probability (cont'd)

Percentiles:	Forecast values
P100	0.00
P95	0.00
P90	0.00
P85	0.00
P80	0.00
P75	0.00
P70	0.00
P65	0.00
P60	0.00
P55	0.00
P50	0.00
P45	1.00
P40	1.00
P35	1.00
P30	1.00
P25	1.00
P20	1.00
P15	1.00
P10	1.00
P5	1.00
P0	1.00

End of Forecasts

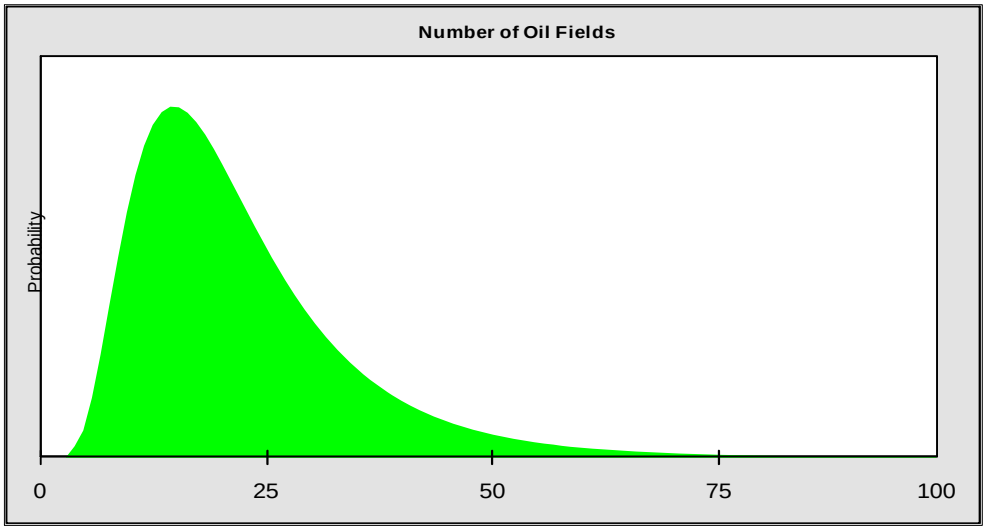
Assumptions

Assumption: Number of Oil Fields (Scenario 1)

Lognormal distribution with parameters:

Mean	22.91
Standard Deviation	12.59

Selected range is from 1.00 to 100.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	22.78	22.82
Median	19.96	19.99
Mode	---	---
Standard Deviation	12.19	12.23
Variance	148.52	149.55
Skewness	1.60	1.60
Kurtosis	6.88	6.82
Coefficient of Variability	0.5350	0.5359
Minimum	3.47	1.00
Maximum	99.97	100.00
Range Width	96.50	99.00
Mean Standard Error	0.05	---

Assumption: Number of Oil Fields (Scenario 1) (cont'd)

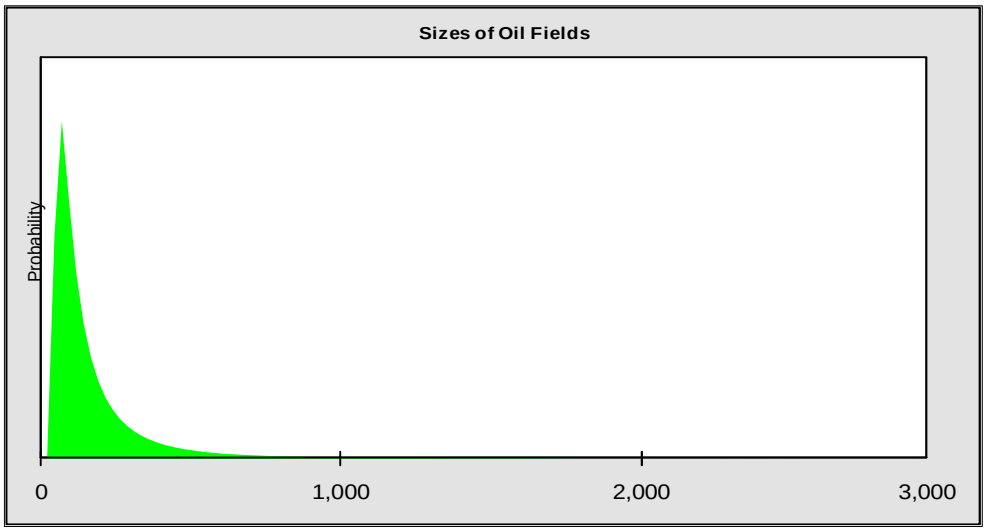
Percentiles:	Simulated values	Theoretical values
P100	3.47	1.00
P95	8.90	8.89
P90	10.56	10.58
P85	11.91	11.92
P80	13.11	13.12
P75	14.23	14.25
P70	15.31	15.35
P65	16.42	16.46
P60	17.56	17.59
P55	18.70	18.76
P50	19.96	19.99
P45	21.31	21.30
P40	22.74	22.74
P35	24.30	24.32
P30	26.14	26.12
P25	28.23	28.21
P20	30.74	30.74
P15	33.92	33.99
P10	38.42	38.57
P5	46.14	46.52
P0	99.97	100.00

Assumption: Sizes of Oil Fields (Scenario 1)

Lognormal distribution with parameters:

Mean	191.74
Standard Deviation	227.29

Selected range is from 50.00 to 2,500.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	188.15	188.34
Median	125.35	124.89
Mode	---	---
Standard Deviation	192.70	195.35
Variance	37,132.40	38,160.33
Skewness	4.13	4.21
Kurtosis	28.55	29.34
Coefficient of Variability	1.02	1.04
Minimum	50.86	50.00
Maximum	2,489.83	2,500.00
Range Width	2,438.96	2,450.00
Mean Standard Error	0.86	---

Assumption: Sizes of Oil Fields (Scenario 1) (cont'd)

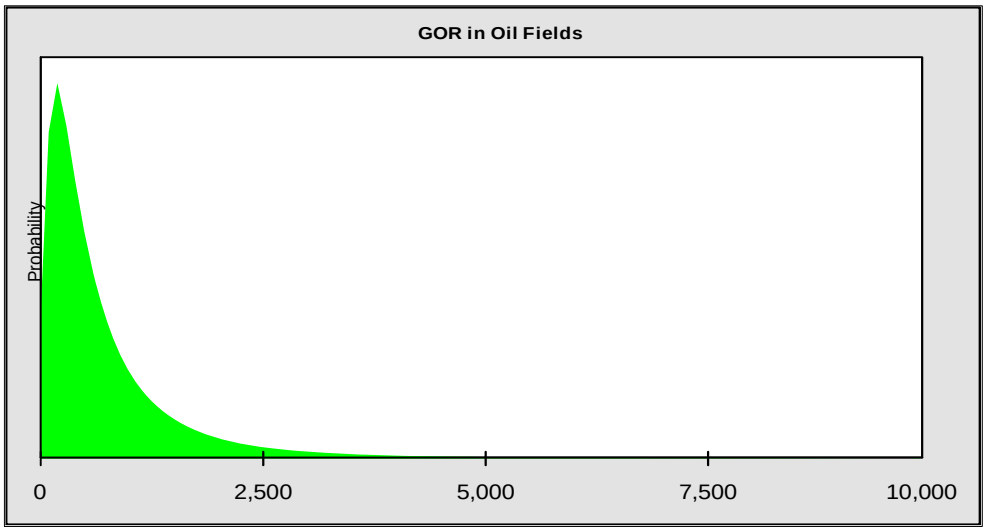
Percentiles:	Simulated values	Theoretical values
P100	50.86	50.00
P95	61.62	61.72
P90	67.59	67.65
P85	73.26	73.28
P80	79.14	78.99
P75	85.04	85.01
P70	91.52	91.46
P65	98.62	98.51
P60	106.45	106.29
P55	115.39	115.00
P50	125.35	124.89
P45	137.03	136.29
P40	150.25	149.64
P35	166.57	165.61
P30	186.06	185.22
P25	210.59	210.11
P20	243.41	243.22
P15	290.53	290.51
P10	365.31	366.60
P5	524.36	524.85
P0	2,489.83	2,500.00

Assumption: GOR in Oil Fields (Scenario 1)

Lognormal distribution with parameters:

Mean	799.84
Standard Deviation	998.65

Selected range is from 1.00 to 10,000.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	789.73	787.03
Median	501.31	499.39
Mode	---	---
Standard Deviation	909.63	902.50
Variance	827,421.30	814,509.20
Skewness	3.39	3.40
Kurtosis	20.15	20.38
Coefficient of Variability	1.15	1.15
Minimum	11.21	1.00
Maximum	9,994.54	10,000.00
Range Width	9,983.32	9,999.00
Mean Standard Error	4.07	---

Assumption: GOR in Oil Fields (Scenario 1) (cont'd)

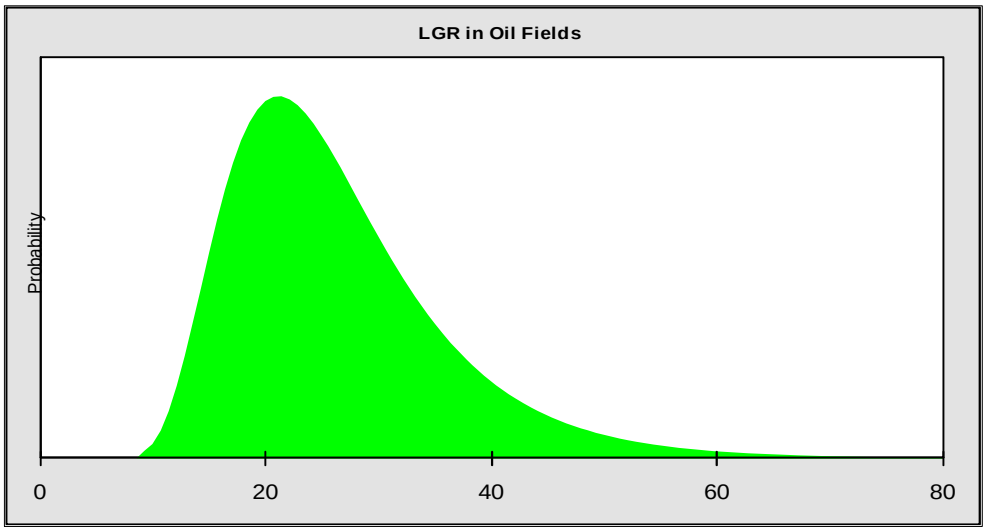
Percentiles:	Simulated values	Theoretical values
P100	11.21	1.00
P95	102.14	102.13
P90	143.99	144.86
P85	184.25	183.46
P80	222.84	221.40
P75	262.44	260.18
P70	301.83	300.78
P65	344.82	344.05
P60	391.42	390.88
P55	444.30	442.24
P50	501.26	499.39
P45	563.95	563.93
P40	637.10	638.07
P35	724.47	724.94
P30	827.41	829.30
P25	956.09	958.81
P20	1,125.78	1,126.86
P15	1,360.71	1,360.03
P10	1,723.09	1,722.39
P5	2,466.77	2,440.18
P0	9,994.54	10,000.00

Assumption: LGR in Oil Fields (Scenario 1)

Lognormal distribution with parameters:

Mean	26.92
Standard Deviation	9.82

Selected range is from 5.00 to 80.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	26.82	26.85
Median	25.02	24.99
Mode	---	---
Standard Deviation	9.62	9.61
Variance	92.62	92.44
Skewness	1.25	1.24
Kurtosis	5.31	5.25
Coefficient of Variability	0.3589	0.3580
Minimum	8.19	5.00
Maximum	79.47	80.00
Range Width	71.28	75.00
Mean Standard Error	0.04	---

Assumption: LGR in Oil Fields (Scenario 1) (cont'd)

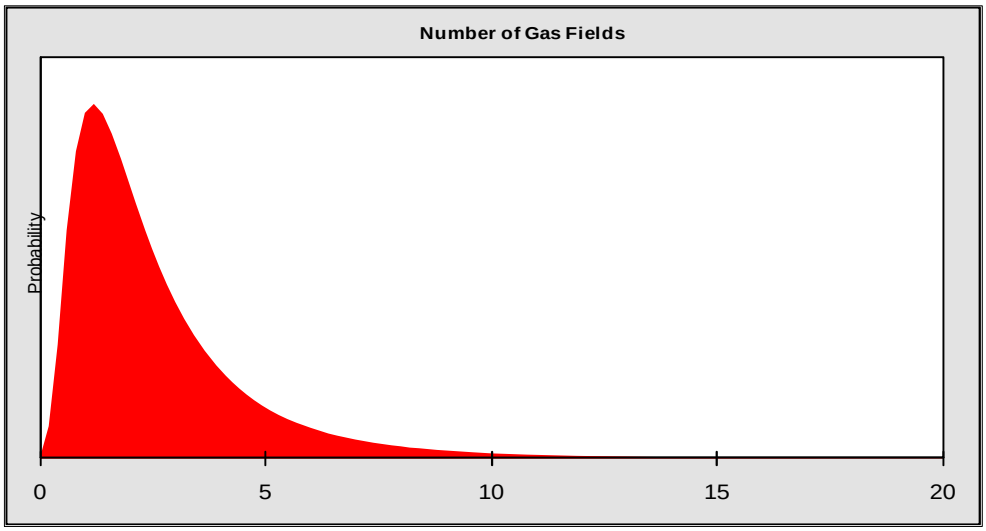
Percentiles:	Simulated values	Theoretical values
P100	8.19	5.00
P95	14.85	14.89
P90	16.51	16.56
P85	17.78	17.83
P80	18.87	18.95
P75	19.92	19.98
P70	20.94	20.98
P65	21.94	21.95
P60	22.94	22.94
P55	23.98	23.94
P50	25.02	24.99
P45	26.10	26.09
P40	27.24	27.27
P35	28.49	28.57
P30	29.90	30.01
P25	31.55	31.66
P20	33.55	33.63
P15	36.10	36.11
P10	39.44	39.53
P5	45.19	45.26
P0	79.47	80.00

Assumption: Number of Gas Fields (Scenario 1)

Lognormal distribution with parameters:

Mean	2.64
Standard Deviation	2.27

Selected range is from 0.00 to 20.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	2.61	2.62
Median	1.99	2.00
Mode	---	---
Standard Deviation	2.16	2.15
Variance	4.65	4.64
Skewness	2.38	2.40
Kurtosis	11.57	11.68
Coefficient of Variability	0.8247	0.8228
Minimum	0.12	0.00
Maximum	19.99	20.00
Range Width	19.87	20.00
Mean Standard Error	0.01	---

Assumption: Number of Gas Fields (Scenario 1) (cont'd)

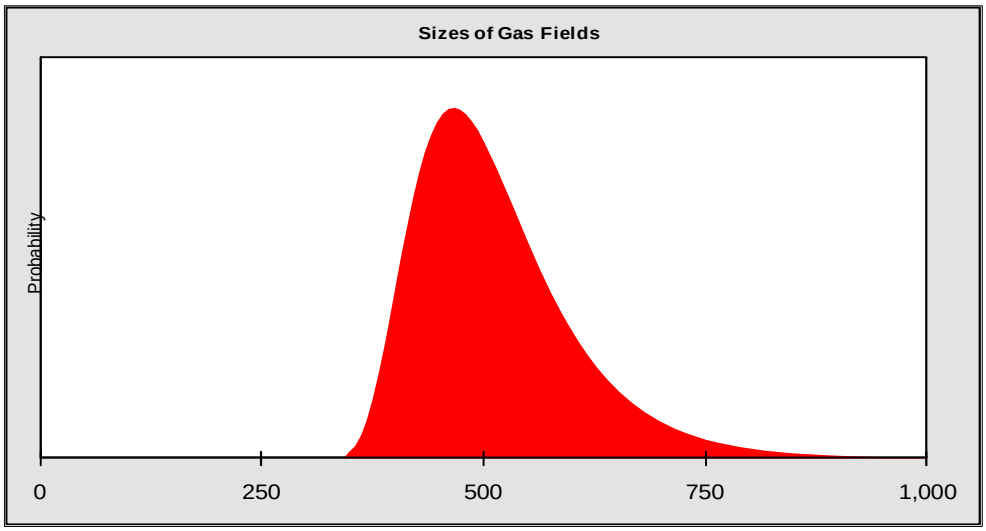
Percentiles:	Simulated values	Theoretical values
P100	0.12	0.00
P95	0.58	0.59
P90	0.76	0.77
P85	0.92	0.92
P80	1.06	1.07
P75	1.20	1.21
P70	1.34	1.35
P65	1.49	1.50
P60	1.65	1.65
P55	1.81	1.82
P50	1.99	2.00
P45	2.18	2.19
P40	2.40	2.41
P35	2.65	2.66
P30	2.94	2.95
P25	3.30	3.30
P20	3.74	3.74
P15	4.33	4.32
P10	5.20	5.18
P5	6.76	6.77
P0	19.99	20.00

Assumption: Sizes of Gas Fields (Scenario 1)

Lognormal distribution with parameters:

Mean	517.13
Standard Deviation	91.77

Selected range is from 300.00 to 1,000.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	516.77	516.56
Median	500.65	499.90
Mode	---	---
Standard Deviation	90.19	89.98
Variance	8,134.66	8,096.62
Skewness	1.17	1.17
Kurtosis	5.03	4.99
Coefficient of Variability	0.1745	0.1742
Minimum	325.40	300.00
Maximum	999.00	1,000.00
Range Width	673.60	700.00
Mean Standard Error	0.40	---

Assumption: Sizes of Gas Fields (Scenario 1) (cont'd)

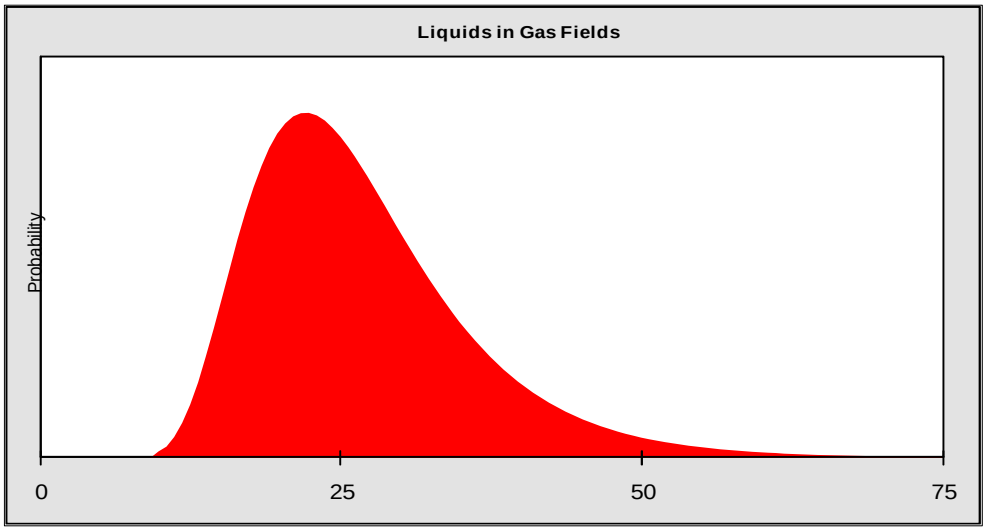
Percentiles:	Simulated values	Theoretical values
P100	325.40	300.00
P95	402.97	402.64
P90	418.85	418.93
P85	430.83	431.35
P80	441.69	442.14
P75	451.81	452.10
P70	461.54	461.64
P65	471.20	471.01
P60	480.86	480.40
P55	490.30	489.98
P50	500.65	499.90
P45	510.89	510.33
P40	521.93	521.50
P35	533.75	533.65
P30	547.10	547.18
P25	562.69	562.65
P20	581.12	581.01
P15	604.95	604.00
P10	635.79	635.57
P5	688.31	688.18
P0	999.00	1,000.00

Assumption: Liquids in Gas Fields (Scenario 1)

Lognormal distribution with parameters:

Mean	26.70
Standard Deviation	9.31

Selected range is from 4.00 to 75.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	26.67	26.64
Median	24.98	24.99
Mode	---	---
Standard Deviation	9.16	9.13
Variance	83.95	83.38
Skewness	1.12	1.13
Kurtosis	4.79	4.86
Coefficient of Variability	0.3435	0.3428
Minimum	8.04	4.00
Maximum	74.92	75.00
Range Width	66.88	71.00
Mean Standard Error	0.04	---

Assumption: Liquids in Gas Fields (Scenario 1) (cont'd)

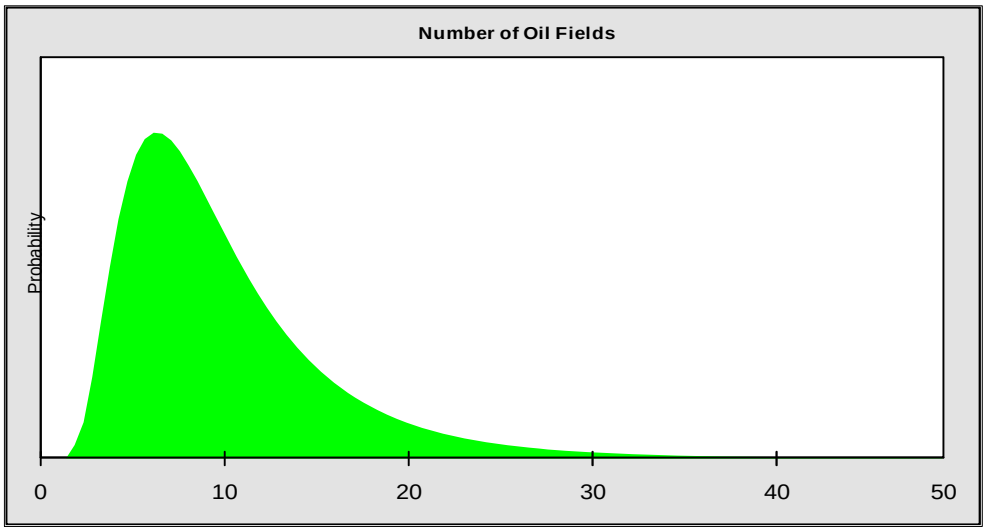
Percentiles:	Simulated values	Theoretical values
P100	8.04	4.00
P95	15.00	14.98
P90	16.72	16.67
P85	17.97	17.95
P80	19.06	19.07
P75	20.10	20.09
P70	21.05	21.07
P65	22.00	22.03
P60	22.98	23.00
P55	23.97	23.98
P50	24.98	24.99
P45	26.05	26.05
P40	27.22	27.19
P35	28.46	28.43
P30	29.85	29.80
P25	31.47	31.37
P20	33.34	33.23
P15	35.68	35.55
P10	38.85	38.73
P5	44.09	44.02
P0	74.92	75.00

Assumption: Number of Oil Fields (Scenario 2)

Lognormal distribution with parameters:

Mean	10.50
Standard Deviation	6.09

Selected range is from 1.00 to 50.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	10.45	10.45
Median	9.02	8.99
Mode	---	---
Standard Deviation	5.88	5.88
Variance	34.62	34.61
Skewness	1.77	1.78
Kurtosis	7.69	7.78
Coefficient of Variability	0.5630	0.5628
Minimum	1.87	1.00
Maximum	49.93	50.00
Range Width	48.06	49.00
Mean Standard Error	0.03	---

Assumption: Number of Oil Fields (Scenario 2) (cont'd)

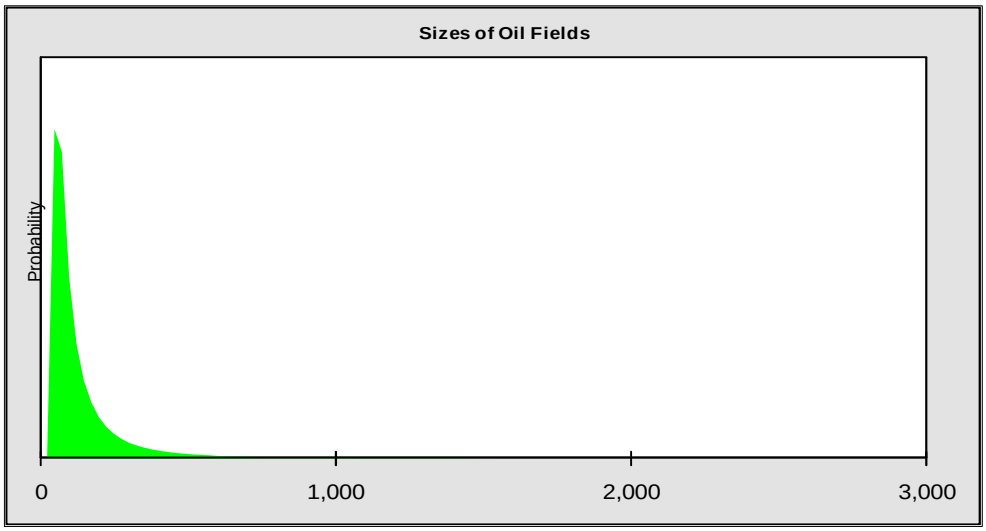
Percentiles:	Simulated values	Theoretical values
P100	1.87	1.00
P95	4.03	4.05
P90	4.75	4.77
P85	5.34	5.35
P80	5.87	5.88
P75	6.37	6.38
P70	6.87	6.88
P65	7.38	7.38
P60	7.89	7.89
P55	8.43	8.43
P50	9.02	8.99
P45	9.62	9.60
P40	10.30	10.27
P35	11.04	11.02
P30	11.89	11.87
P25	12.89	12.87
P20	14.06	14.08
P15	15.63	15.66
P10	17.88	17.91
P5	21.89	21.88
P0	49.93	50.00

Assumption: Sizes of Oil Fields (Scenario 2)

Lognormal distribution with parameters:

Mean	160.52
Standard Deviation	217.86

Selected range is from 50.00 to 2,500.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	156.15	156.91
Median	99.32	99.92
Mode	---	---
Standard Deviation	176.90	177.05
Variance	31,295.18	31,345.39
Skewness	5.02	4.94
Kurtosis	40.13	38.86
Coefficient of Variability	1.13	1.13
Minimum	50.24	50.00
Maximum	2,481.96	2,500.00
Range Width	2,431.72	2,450.00
Mean Standard Error	0.79	---

Assumption: Sizes of Oil Fields (Scenario 2) (cont'd)

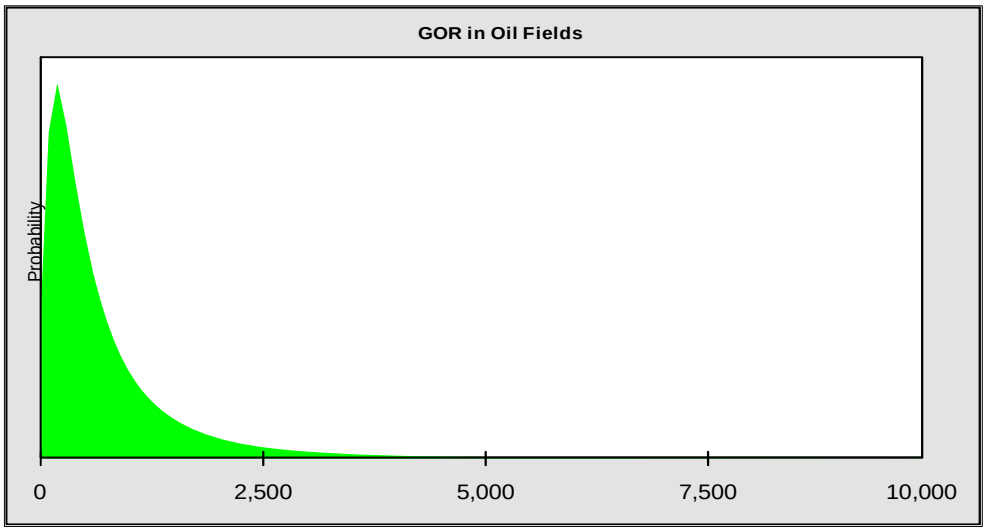
Percentiles:	Simulated values	Theoretical values
P100	50.24	50.00
P95	56.28	56.29
P90	60.06	59.95
P85	63.65	63.54
P80	67.22	67.31
P75	71.26	71.36
P70	75.68	75.80
P65	80.62	80.74
P60	86.14	86.29
P55	92.12	92.62
P50	99.32	99.92
P45	107.70	108.47
P40	117.65	118.66
P35	129.95	131.05
P30	145.46	146.54
P25	164.74	166.58
P20	192.14	193.80
P15	232.94	233.61
P10	297.55	299.56
P5	440.00	442.36
P0	2,481.96	2,500.00

Assumption: GOR in Oil Fields (Scenario 2)

Lognormal distribution with parameters:

Mean	799.84
Standard Deviation	998.65

Selected range is from 1.00 to 10,000.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	785.32	787.03
Median	501.74	499.39
Mode	---	---
Standard Deviation	895.65	902.50
Variance	802,192.17	814,509.20
Skewness	3.40	3.40
Kurtosis	20.44	20.38
Coefficient of Variability	1.14	1.15
Minimum	8.02	1.00
Maximum	9,850.27	10,000.00
Range Width	9,842.25	9,999.00
Mean Standard Error	4.01	---

Assumption: GOR in Oil Fields (cont'd) (Scenario 2)

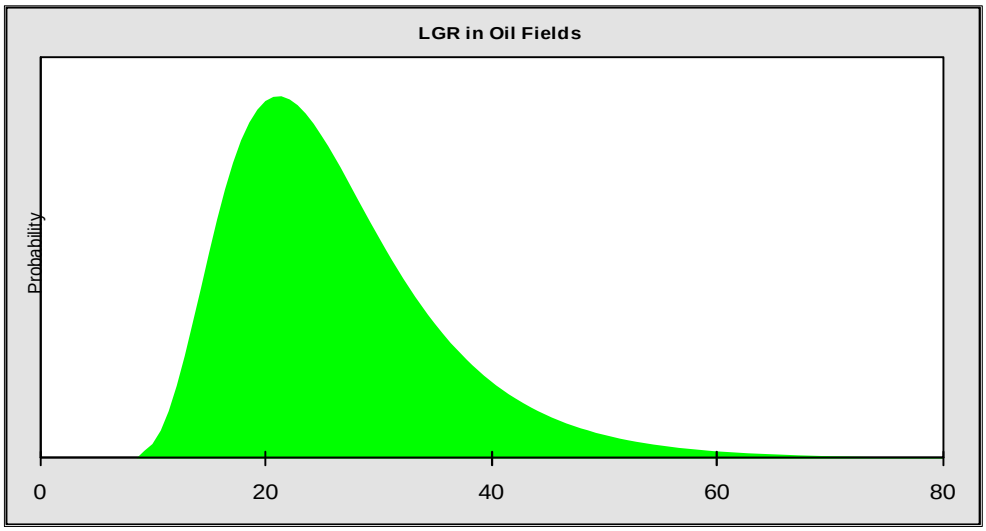
Percentiles:	Simulated values	Theoretical values
P100	8.02	1.00
P95	102.51	102.13
P90	144.45	144.86
P85	183.32	183.46
P80	220.82	221.40
P75	260.46	260.18
P70	300.92	300.78
P65	344.92	344.05
P60	392.16	390.88
P55	444.24	442.24
P50	501.72	499.39
P45	566.24	563.93
P40	642.00	638.07
P35	727.56	724.94
P30	830.38	829.30
P25	956.17	958.81
P20	1,123.50	1,126.86
P15	1,356.43	1,360.03
P10	1,717.32	1,722.39
P5	2,434.52	2,440.18
P0	9,850.27	10,000.00

Assumption: LGR in Oil Fields (Scenario 2)

Lognormal distribution with parameters:

Mean	26.92
Standard Deviation	9.82

Selected range is from 5.00 to 80.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	26.83	26.85
Median	24.97	24.99
Mode	---	---
Standard Deviation	9.60	9.61
Variance	92.24	92.44
Skewness	1.25	1.24
Kurtosis	5.32	5.25
Coefficient of Variability	0.3580	0.3580
Minimum	8.33	5.00
Maximum	79.75	80.00
Range Width	71.42	75.00
Mean Standard Error	0.04	---

Assumption: LGR in Oil Fields (Scenario 2) (cont'd)

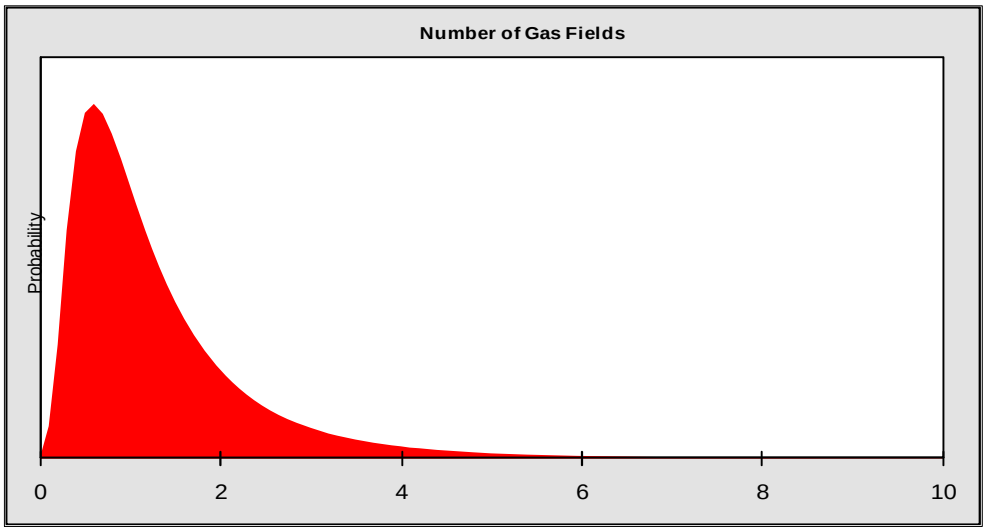
Percentiles:	Simulated values	Theoretical values
P100	8.33	5.00
P95	14.88	14.89
P90	16.57	16.56
P85	17.85	17.83
P80	18.94	18.95
P75	19.95	19.98
P70	20.96	20.98
P65	21.94	21.95
P60	22.93	22.94
P55	23.96	23.94
P50	24.97	24.99
P45	26.08	26.09
P40	27.24	27.27
P35	28.54	28.57
P30	29.98	30.01
P25	31.62	31.66
P20	33.57	33.63
P15	36.07	36.11
P10	39.51	39.53
P5	45.15	45.26
P0	79.75	80.00

Assumption: Number of Gas Fields (Scenario 2)

Lognormal distribution with parameters:

Mean	1.32
Standard Deviation	1.14

Selected range is from 0.00 to 10.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	1.31	1.31
Median	1.00	1.00
Mode	---	---
Standard Deviation	1.07	1.08
Variance	1.15	1.16
Skewness	2.37	2.40
Kurtosis	11.44	11.68
Coefficient of Variability	0.8229	0.8228
Minimum	0.04	0.00
Maximum	10.00	10.00
Range Width	9.95	10.00
Mean Standard Error	0.00	---

Assumption: Number of Gas Fields (Scenario 2) (cont'd)

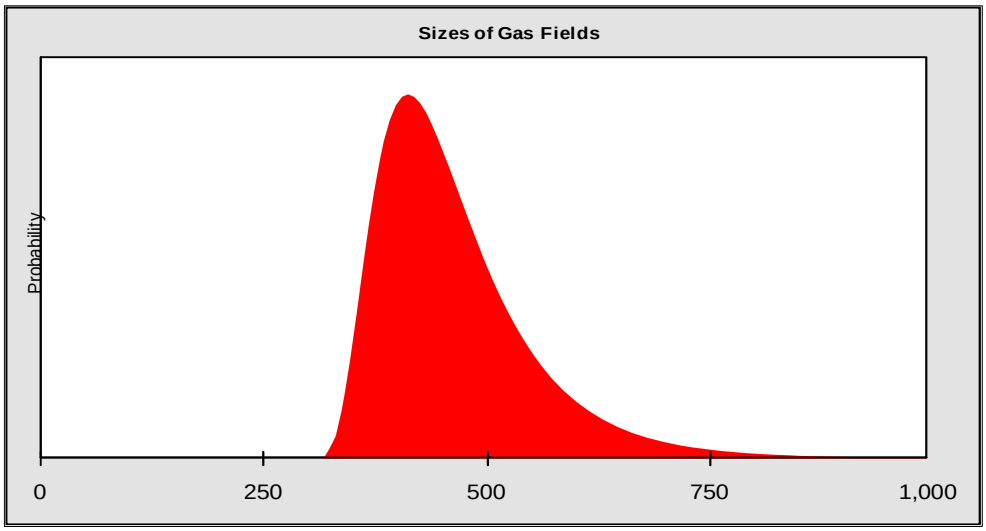
Percentiles:	Simulated values	Theoretical values
P100	0.04	0.00
P95	0.29	0.29
P90	0.39	0.38
P85	0.46	0.46
P80	0.53	0.53
P75	0.60	0.60
P70	0.67	0.68
P65	0.75	0.75
P60	0.82	0.83
P55	0.90	0.91
P50	1.00	1.00
P45	1.09	1.10
P40	1.20	1.21
P35	1.32	1.33
P30	1.47	1.48
P25	1.65	1.65
P20	1.87	1.87
P15	2.16	2.16
P10	2.59	2.59
P5	3.38	3.38
P0	10.00	10.00

Assumption: Sizes of Gas Fields (Scenario 2)

Lognormal distribution with parameters:

Mean	469.85
Standard Deviation	90.22

Selected range is from 300.00 to 1,000.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	469.39	469.20
Median	450.10	449.91
Mode	---	---
Standard Deviation	88.17	87.87
Variance	7,774.81	7,721.50
Skewness	1.48	1.47
Kurtosis	6.24	6.24
Coefficient of Variability	0.1879	0.1873
Minimum	318.75	300.00
Maximum	999.45	1,000.00
Range Width	680.70	700.00
Mean Standard Error	0.39	---

Assumption: Sizes of Gas Fields (Scenario 2) (cont'd)

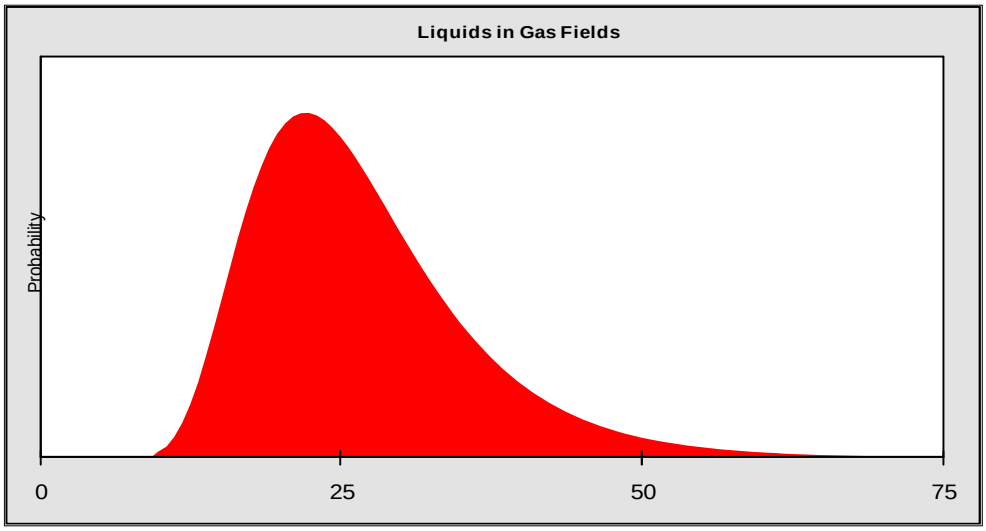
Percentiles:	Simulated values	Theoretical values
P100	318.75	300.00
P95	365.77	366.05
P90	378.84	379.16
P85	389.24	389.45
P80	398.51	398.56
P75	407.33	407.12
P70	415.45	415.44
P65	423.94	423.73
P60	432.50	432.13
P55	441.07	440.81
P50	450.10	449.91
P45	459.58	459.59
P40	470.24	470.06
P35	481.96	481.61
P30	495.18	494.62
P25	510.32	509.71
P20	527.46	527.87
P15	551.29	551.01
P10	583.26	583.43
P5	640.35	639.03
P0	999.45	1,000.00

Assumption: Liquids in Gas Fields (Scenario 2)

Lognormal distribution with parameters:

Mean	26.70
Standard Deviation	9.31

Selected range is from 4.00 to 75.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	26.59	26.64
Median	24.95	24.99
Mode	---	---
Standard Deviation	9.14	9.13
Variance	83.59	83.38
Skewness	1.12	1.13
Kurtosis	4.77	4.86
Coefficient of Variability	0.3438	0.3428
Minimum	7.96	4.00
Maximum	74.99	75.00
Range Width	67.03	71.00
Mean Standard Error	0.04	---

Assumption: Liquids in Gas Fields (Scenario 2) (cont'd)

Percentiles:	Simulated values	Theoretical values
P100	7.96	4.00
P95	14.96	14.98
P90	16.58	16.67
P85	17.86	17.95
P80	18.97	19.07
P75	20.02	20.09
P70	20.98	21.07
P65	21.99	22.03
P60	22.93	23.00
P55	23.94	23.98
P50	24.95	24.99
P45	25.99	26.05
P40	27.14	27.19
P35	28.35	28.43
P30	29.78	29.80
P25	31.35	31.37
P20	33.19	33.23
P15	35.52	35.55
P10	38.76	38.73
P5	44.01	44.02
P0	74.99	75.00

End of Assumptions

Simulation started on 4/7/2008 at 16:21:55
Simulation stopped on 4/7/2008 at 16:55:55