Appendix 13. Detailed Assessment Results for Northeast Canada Rifted Margin Assessment Unit 52080103

Northeast Canada Rifted Margin

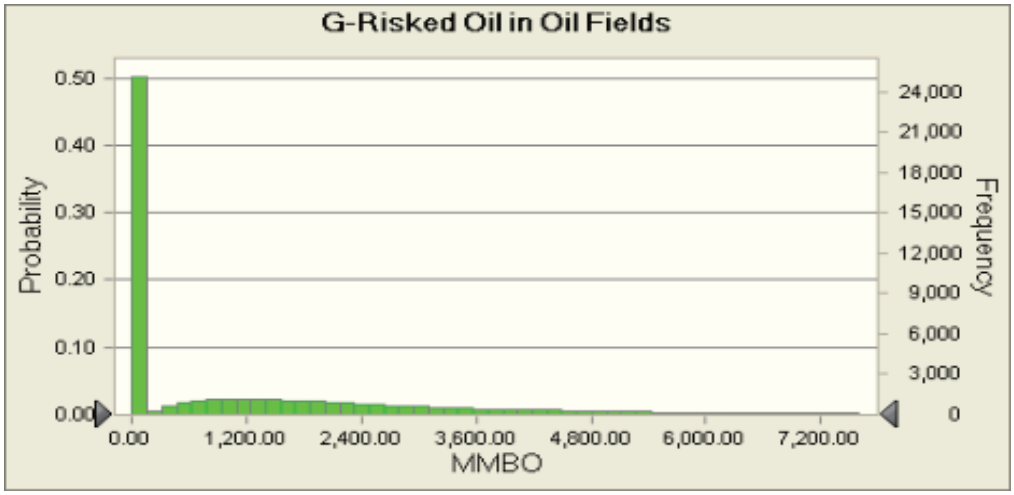
Monte Carlo Results

Forecast: G-Risked Oil in Oil Fields

Summary:

Entire range is from 0.00 to 23,086.13

After 50,000 trials, the standard error of the mean is 9.83



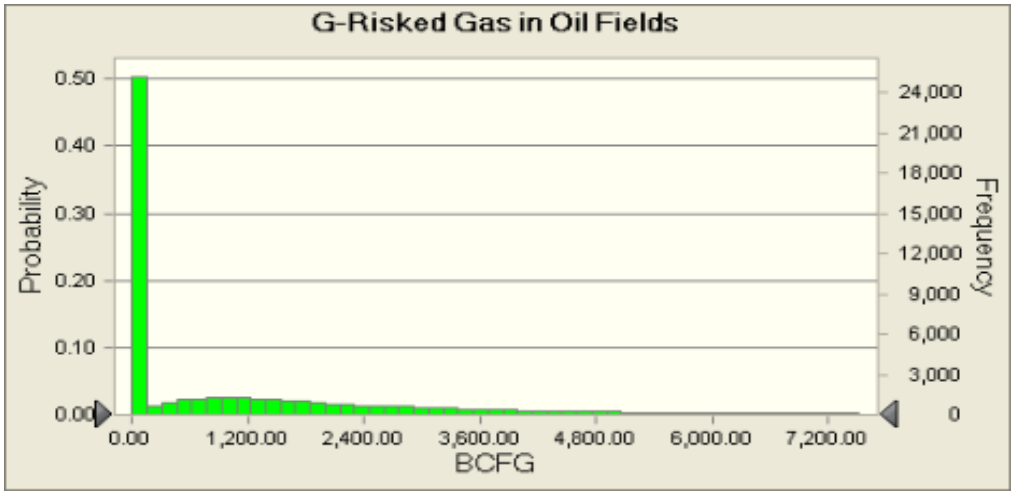
Statistics:	Forecast values
Trials	50,000
Mean	1,431.48
Median	0.00
Mode	0.00
Standard Deviation	2,198.24
Variance	4,832,279.06
Skewness	2.39
Kurtosis	11.10
Coefficient of Variability	1.54
Minimum	0.00
Maximum	23,086.13
Range Width	23,086.13
Mean Standard Error	9.83

Forecast: 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	725.80
P40	1,079.09
P35	1,415.65
P30	1,787.69
P25	2,186.58
P20	2,688.83
P15	3,339.20
P10	4,235.22
P5	5,847.10
P0	23,086.13

Forecast: G-Risked Gas in Oil Fields

Summary:
Entire range is from 0.00 to 37,582.66
After 50,000 trials, the standard error of the mean is 9.87



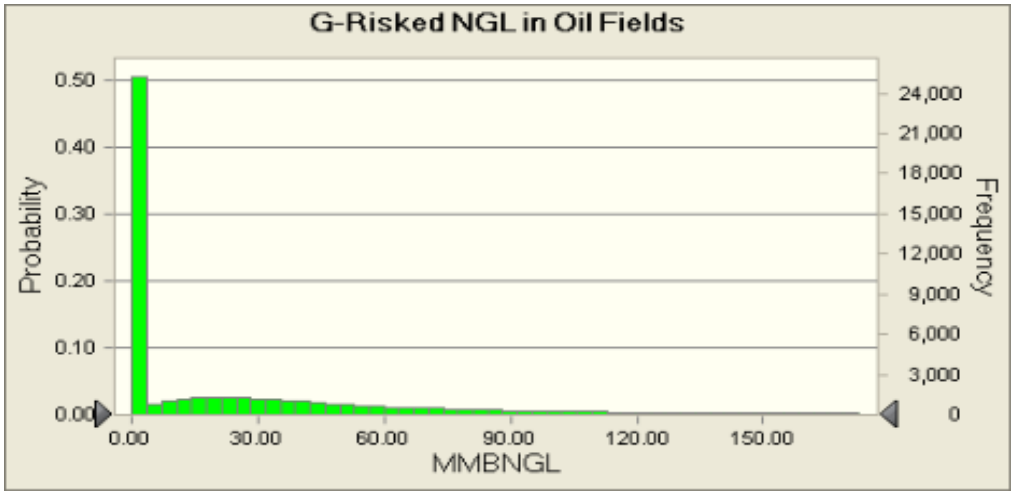
Statistics:	Forecast values
Trials	50,000
Mean	1,325.26
Median	0.00
Mode	0.00
Standard Deviation	2,207.33
Variance	4,872,296.81
Skewness	3.11
Kurtosis	19.58
Coefficient of Variability	1.67
Minimum	0.00
Maximum	37,582.66
Range Width	37,582.66
Mean Standard Error	9.87

Forecast: 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	560.51
P40	881.06
P35	1,192.00
P30	1,521.07
P25	1,904.51
P20	2,393.77
P15	3,010.43
P10	3,907.65
P5	5,590.85
P0	37,582.66

Forecast: G-Risked NGL in Oil Fields

Summary:
Entire range is from 0.00 to 1,136.77
After 50,000 trials, the standard error of the mean is 0.23



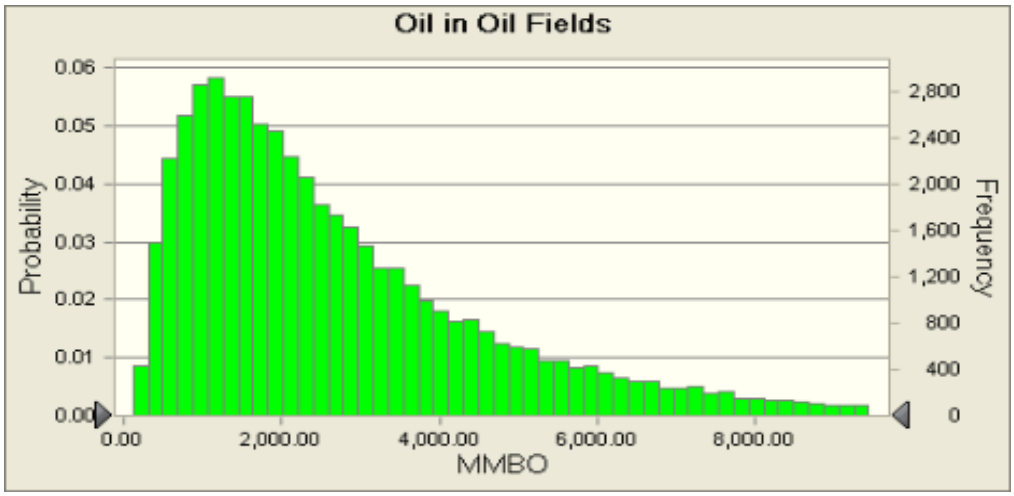
Statistics:	Forecast values
Trials	50,000
Mean	29.78
Median	0.00
Mode	0.00
Standard Deviation	50.96
Variance	2,596.62
Skewness	3.38
Kurtosis	24.15
Coefficient of Variability	1.71
Minimum	0.00
Maximum	1,136.77
Range Width	1,136.77
Mean Standard Error	0.23

Forecast: 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	11.91
P40	18.72
P35	25.76
P30	33.22
P25	41.87
P20	52.74
P15	67.08
P10	88.48
P5	127.78
P0	1,136.77

Forecast: Conditional Oil in Oil Fields

Summary:
Entire range is from 108.75 to 23,229.02
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 10.50



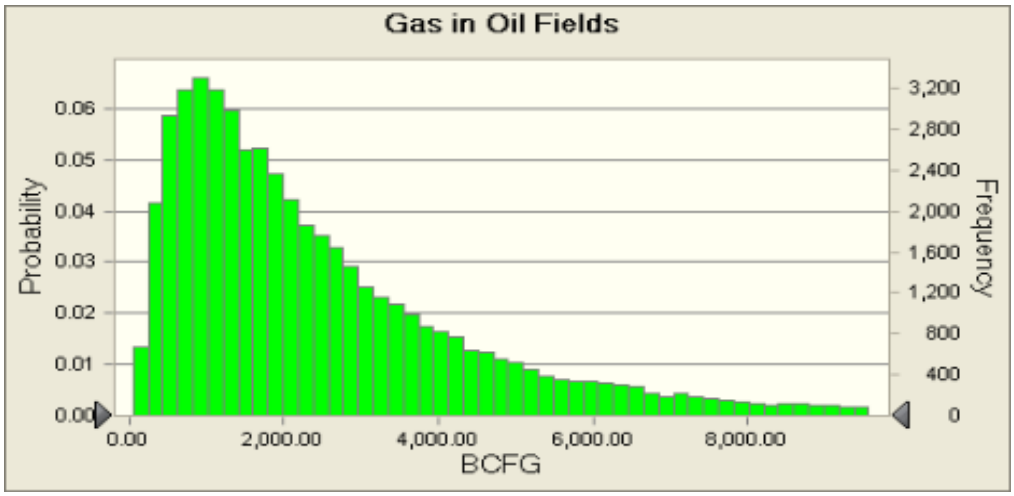
Statistics:	Forecast values
Trials	50,000
Mean	2,859.35
Median	2,183.58
Mode	---
Standard Deviation	2,348.99
Variance	5,517,741.08
Skewness	2.10
Kurtosis	9.66
Coefficient of Variability	0.8215
Minimum	108.75
Maximum	23,229.02
Range Width	23,120.26
Mean Standard Error	10.50

Forecast: Conditional Oil in Oil Fields (cont'd)

Percentiles:	MMBO
P100	108.75
P95	544.08
P90	744.52
P85	924.08
P80	1,087.93
P75	1,251.16
P70	1,422.71
P65	1,598.20
P60	1,782.15
P55	1,973.46
P50	2,183.56
P45	2,416.71
P40	2,679.88
P35	2,968.92
P30	3,319.82
P25	3,712.20
P20	4,229.36
P15	4,882.78
P10	5,829.21
P5	7,410.92
P0	23,229.02

Forecast: Conditional Gas in Oil Fields

Summary:
Entire range is from 41.21 to 35,998.06
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 11.06



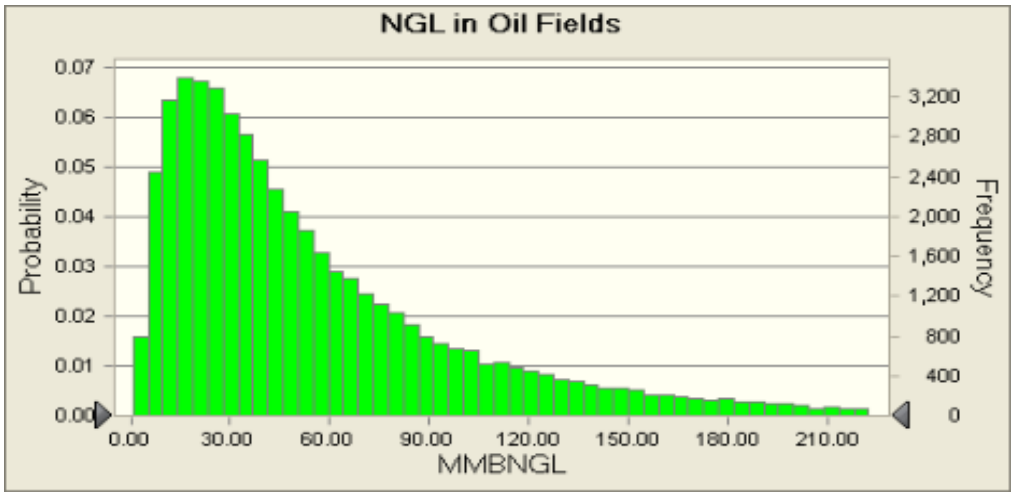
Statistics:	Forecast values
Trials	50,000
Mean	2,647.39
Median	1,911.27
Mode	---
Standard Deviation	2,472.77
Variance	6,114,575.59
Skewness	2.69
Kurtosis	16.07
Coefficient of Variability	0.9340
Minimum	41.21
Maximum	35,998.06
Range Width	35,956.85
Mean Standard Error	11.06

Forecast: Conditional Gas in Oil Fields (cont'd)

Percentiles:	BCFG
P100	41.21
P95	412.48
P90	582.87
P85	735.64
P80	885.15
P75	1,034.07
P70	1,187.98
P65	1,347.86
P60	1,523.51
P55	1,709.33
P50	1,911.27
P45	2,132.73
P40	2,390.27
P35	2,665.75
P30	2,999.38
P25	3,413.53
P20	3,914.92
P15	4,575.45
P10	5,603.89
P5	7,377.01
P0	35,998.06

Forecast: Conditional NGL in Oil Fields

Summary:
Entire range is from 0.62 to 1,136.77
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 0.26



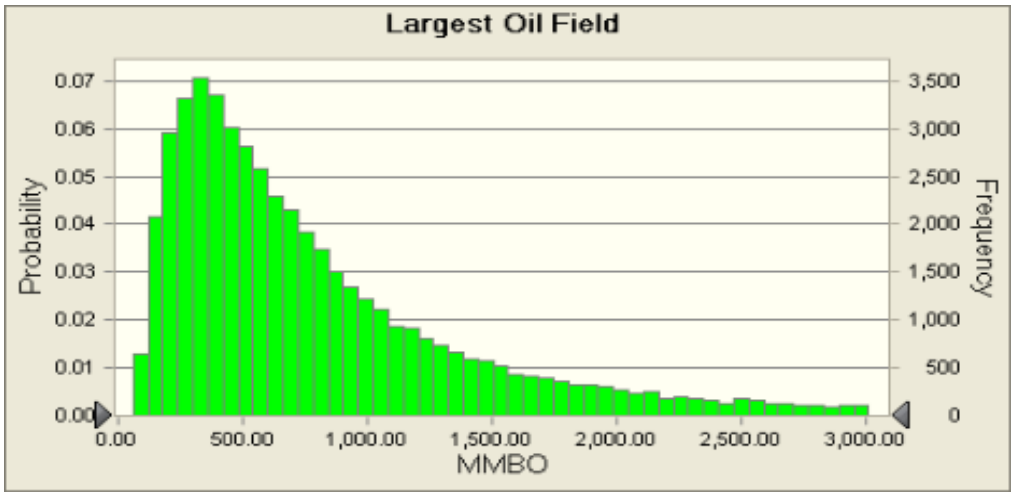
Statistics:	Forecast values
Trials	50,000
Mean	59.39
Median	41.65
Mode	---
Standard Deviation	58.31
Variance	3,400.06
Skewness	3.13
Kurtosis	23.59
Coefficient of Variability	0.9818
Minimum	0.62
Maximum	1,136.77
Range Width	1,136.15
Mean Standard Error	0.26

Forecast: Conditional NGL in Oil Fields (cont'd)

Percentiles:	MMBNGL
P100	0.62
P95	8.43
P90	12.28
P85	15.68
P80	18.99
P75	22.40
P70	25.84
P65	29.34
P60	33.18
P55	37.19
P50	41.65
P45	46.71
P40	52.40
P35	59.05
P30	66.82
P25	76.18
P20	87.88
P15	103.83
P10	127.03
P5	169.07
P0	1,136.77

Forecast: Largest Oil Field

Summary:
Entire range is from 55.18 to 4,999.85
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 3.43



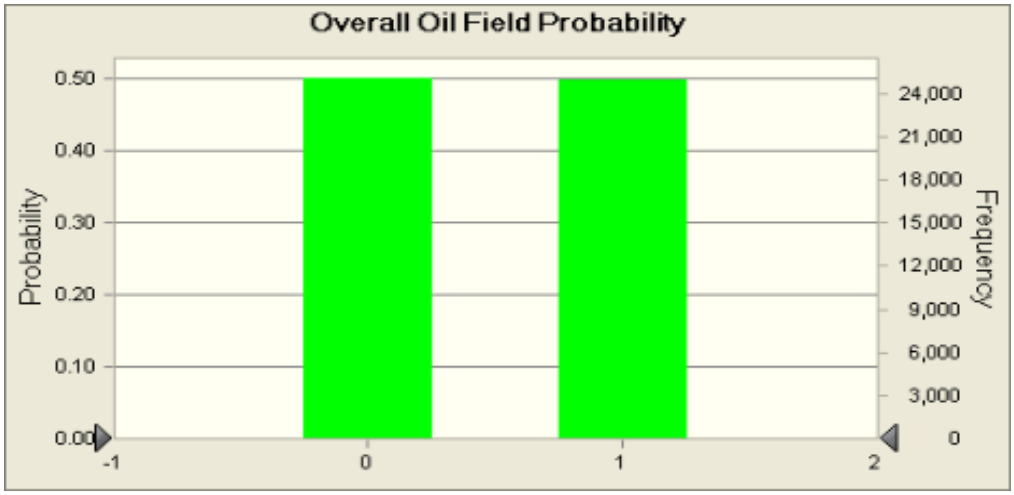
Statistics:	Forecast values
Trials	50,000
Mean	860.09
Median	615.86
Mode	---
Standard Deviation	767.15
Variance	588,523.90
Skewness	2.16
Kurtosis	8.62
Coefficient of Variability	0.8919
Minimum	55.18
Maximum	4,999.85
Range Width	4,944.67
Mean Standard Error	3.43

Forecast: Largest Oil Field (cont'd)

Percentiles:	MMBO
P100	55.18
P95	170.48
P90	222.60
P85	269.72
P80	313.41
P75	356.02
P70	400.67
P65	448.66
P60	500.65
P55	555.34
P50	615.86
P45	682.35
P40	756.29
P35	842.97
P30	948.95
P25	1,074.57
P20	1,240.27
P15	1,469.47
P10	1,817.61
P5	2,471.58
P0	4,999.85

Forecast: 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



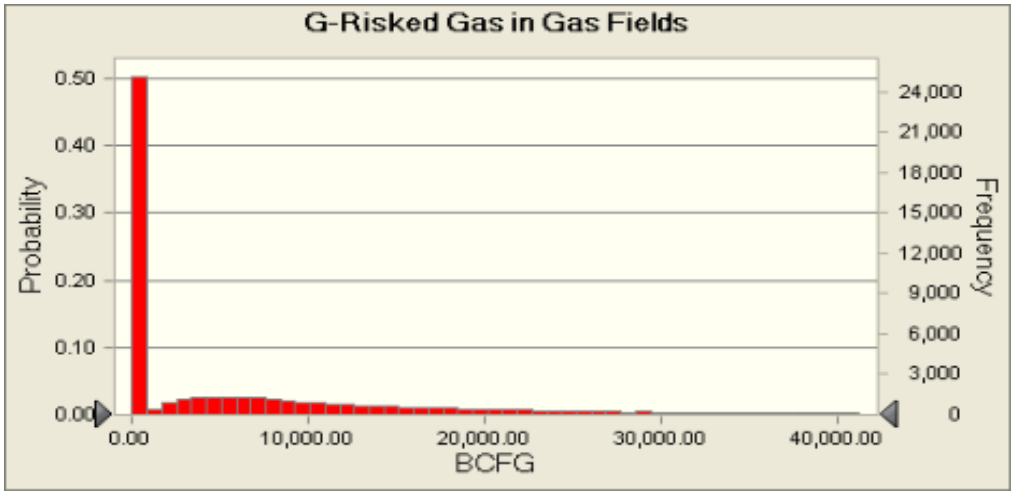
Statistics:	Forecast values	
Trials	50,000	
Mean	0.4981	= the probability of at least one undiscovered oil accumulation of minimum size or larger
Median	0.00	
Mode	0.00	
Standard Deviation	0.50	
Variance	0.25	
Skewness	0.0078	
Kurtosis	1.00	
Coefficient of Variability	1.00	
Minimum	0.00	
Maximum	1.00	
Range Width	1.00	
Mean Standard Error	0.00	

Forecast: 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: G-Risked Gas in Gas Fields

Summary:
Entire range is from 0.00 to 147,589.23
After 50,000 trials, the standard error of the mean is 53.95



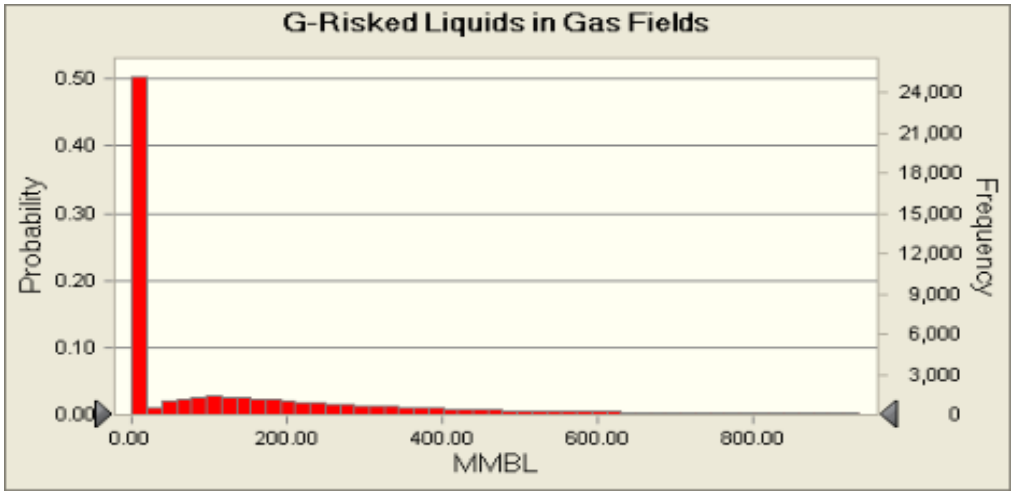
Statistics:	Forecast values
Trials	50,000
Mean	7,369.03
Median	0.00
Mode	0.00
Standard Deviation	12,063.63
Variance	145,531,196.04
Skewness	2.86
Kurtosis	15.56
Coefficient of Variability	1.64
Minimum	0.00
Maximum	147,589.23
Range Width	147,589.23
Mean Standard Error	53.95

Forecast: 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	3,303.30
P40	4,952.39
P35	6,591.42
P30	8,407.38
P25	10,607.21
P20	13,370.66
P15	16,925.36
P10	22,080.36
P5	31,191.91
P0	147,589.23

Forecast: G-Risked Liquids in Gas Fields

Summary:
Entire range is from 0.00 to 3,444.56
After 50,000 trials, the standard error of the mean is 1.23



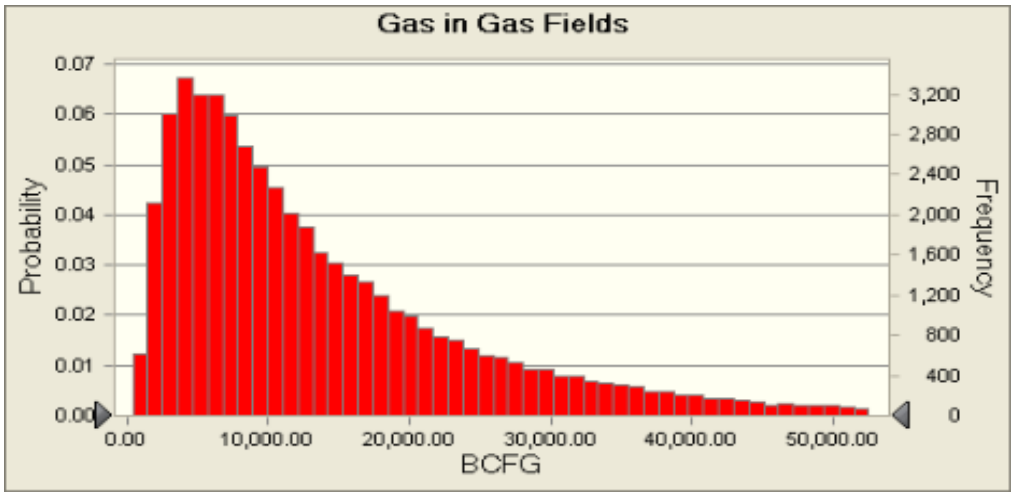
Statistics:	Forecast values
Trials	50,000
Mean	164.05
Median	0.00
Mode	0.00
Standard Deviation	274.83
Variance	75,531.13
Skewness	2.99
Kurtosis	16.68
Coefficient of Variability	1.68
Minimum	0.00
Maximum	3,444.56
Range Width	3,444.56
Mean Standard Error	1.23

Forecast: 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	68.95
P40	104.60
P35	141.38
P30	183.66
P25	232.60
P20	293.46
P15	372.62
P10	488.80
P5	703.93
P0	3,444.56

Forecast: Conditional Gas in Gas Fields

Summary:
Entire range is from 397.71 to 149,794.35
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 60.29



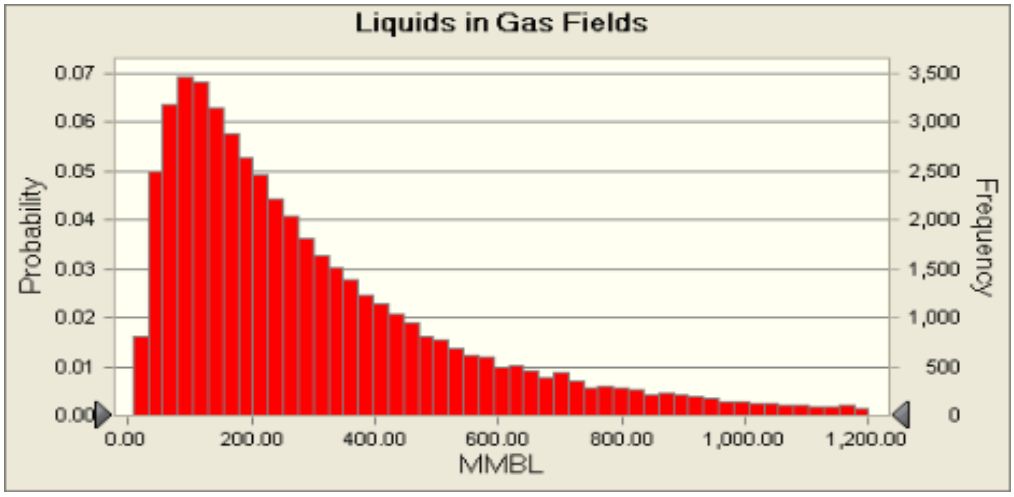
Statistics:	Forecast values
Trials	50,000
Mean	14,732.96
Median	10,602.46
Mode	---
Standard Deviation	13,480.77
Variance	181,731,034.31
Skewness	2.43
Kurtosis	12.36
Coefficient of Variability	0.9150
Minimum	397.71
Maximum	149,794.35
Range Width	149,396.64
Mean Standard Error	60.29

Forecast: Conditional Gas in Gas Fields (cont'd)

Percentiles:	BCFG
P100	397.71
P95	2,432.88
P90	3,329.44
P85	4,143.07
P80	4,946.01
P75	5,780.48
P70	6,603.63
P65	7,484.92
P60	8,427.78
P55	9,479.45
P50	10,602.32
P45	11,870.29
P40	13,297.26
P35	14,962.12
P30	16,877.18
P25	19,090.33
P20	22,001.24
P15	25,811.79
P10	31,223.95
P5	40,534.11
P0	149,794.35

Forecast: Conditional Liquids in Gas Fields

Summary:
Entire range is from 7.59 to 3,444.56
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 1.39



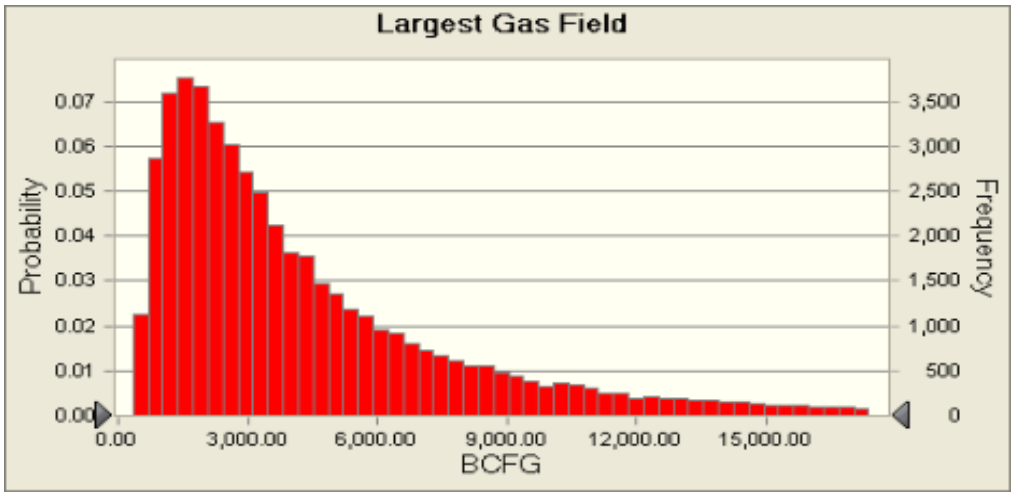
Statistics:	Forecast values
Trials	50,000
Mean	327.74
Median	231.67
Mode	---
Standard Deviation	311.60
Variance	97,093.03
Skewness	2.54
Kurtosis	13.09
Coefficient of Variability	0.9508
Minimum	7.59
Maximum	3,444.56
Range Width	3,436.97
Mean Standard Error	1.39

Forecast: Conditional Liquids in Gas Fields (cont'd)

Percentiles:	MMBL
P100	7.59
P95	49.38
P90	69.63
P85	87.92
P80	105.30
P75	123.16
P70	141.35
P65	161.90
P60	183.46
P55	206.73
P50	231.67
P45	260.39
P40	292.20
P35	328.99
P30	371.24
P25	422.58
P20	487.10
P15	574.55
P10	702.00
P5	930.66
P0	3,444.56

Forecast: Largest Gas Field

Summary:
Entire range is from 334.30 to 29,934.74
Filter range is from 0.00 to Infinity
After 50,000 trials, the standard error of the mean is 20.17



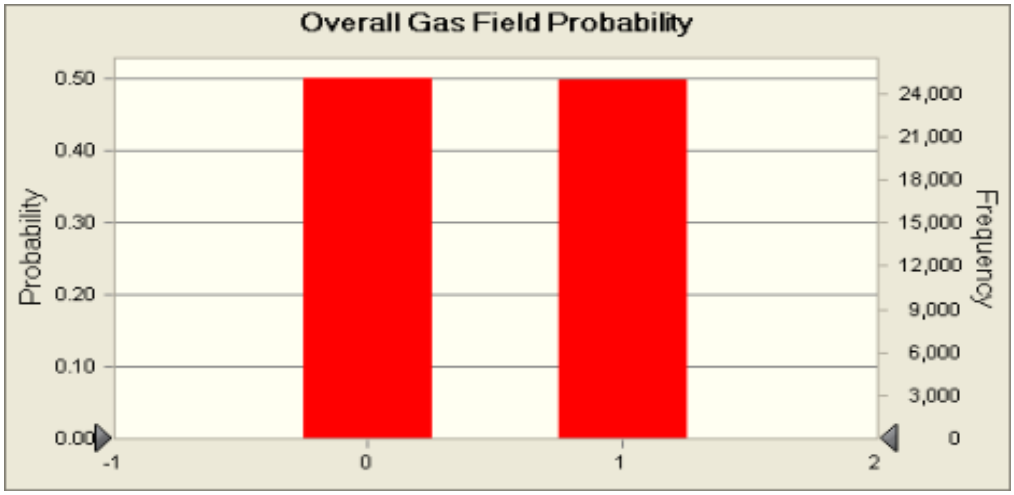
Statistics:	Forecast values
Trials	50,000
Mean	4,759.44
Median	3,251.93
Mode	---
Standard Deviation	4,510.00
Variance	20,340,116.50
Skewness	2.25
Kurtosis	9.13
Coefficient of Variability	0.9476
Minimum	334.30
Maximum	29,934.74
Range Width	29,600.44
Mean Standard Error	20.17

Forecast: Largest Gas Field (cont'd)

Percentiles:	BCFG
P100	334.30
P95	863.70
P90	1,134.68
P85	1,370.96
P80	1,599.94
P75	1,833.36
P70	2,072.42
P65	2,335.45
P60	2,622.62
P55	2,921.93
P50	3,251.91
P45	3,624.90
P40	4,079.98
P35	4,575.20
P30	5,191.70
P25	5,954.64
P20	6,941.66
P15	8,298.19
P10	10,329.57
P5	14,159.95
P0	29,934.74

Forecast: 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
Mean	0.4981
Median	0.00
Mode	0.00
Standard Deviation	0.50
Variance	0.25
Skewness	0.0078
Kurtosis	1.00
Coefficient of Variability	1.00
Minimum	0.00
Maximum	1.00
Range Width	1.00
Mean Standard Error	0.00

= the probability of at least one undiscovered gas accumulation of minimum size or larger

Forecast: 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	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

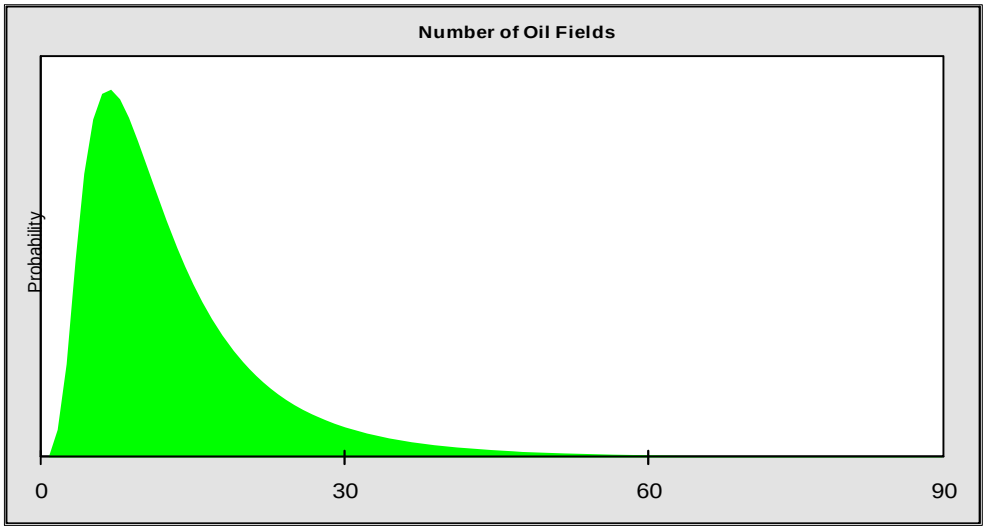
Assumptions

Assumption: Number of Oil Fields

Lognormal distribution with parameters:

Mean	13.84
Standard Deviation	10.35

Selected range is from 1.00 to 90.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	13.73	13.75
Median	10.99	10.99
Mode	---	---
Standard Deviation	9.84	9.86
Variance	96.79	97.14
Skewness	2.24	2.24
Kurtosis	10.55	10.61
Coefficient of Variability	0.7167	0.7170
Minimum	1.56	1.00
Maximum	89.87	90.00
Range Width	88.32	89.00
Mean Standard Error	0.04	---

Assumption: Number of Oil Fields (cont'd)

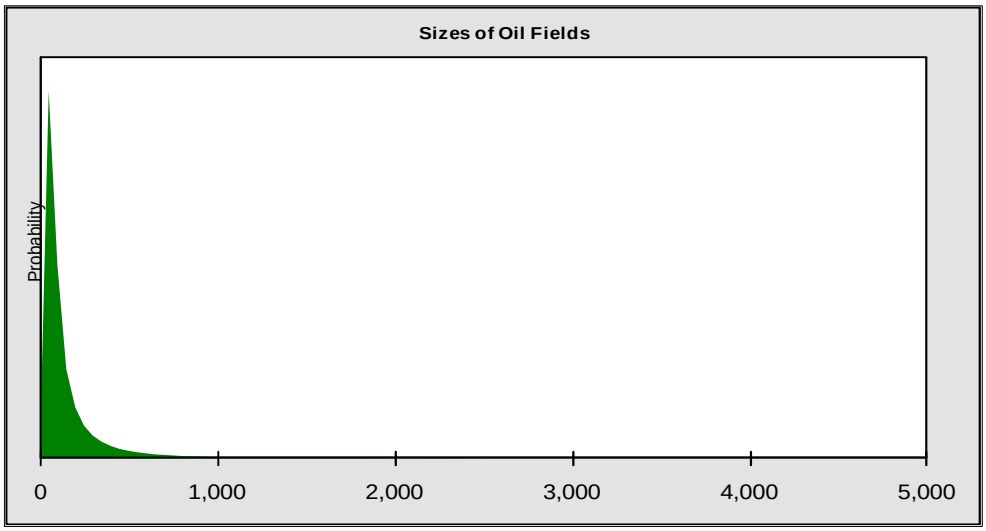
Percentiles:	Simulated values	Theoretical values
P100	1.56	1.00
P95	4.11	4.12
P90	5.02	5.04
P85	5.80	5.80
P80	6.50	6.51
P75	7.21	7.20
P70	7.93	7.90
P65	8.62	8.61
P60	9.37	9.35
P55	10.17	10.14
P50	10.99	10.99
P45	11.89	11.92
P40	12.90	12.95
P35	14.09	14.12
P30	15.44	15.47
P25	17.00	17.09
P20	19.07	19.10
P15	21.75	21.76
P10	25.66	25.67
P5	32.69	32.81
P0	89.87	90.00

Assumption: Sizes of Oil Fields

Lognormal distribution with parameters:

Mean	216.35
Standard Deviation	430.13

Selected range is from 50.00 to 5,000.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	209.28	208.60
Median	109.78	109.89
Mode	---	---
Standard Deviation	323.69	317.80
Variance	104,776.50	100,994.41
Skewness	6.03	5.95
Kurtosis	55.22	54.16
Coefficient of Variability	1.55	1.52
Minimum	50.05	50.00
Maximum	4,996.77	5,000.00
Range Width	4,946.72	4,950.00
Mean Standard Error	1.45	---

Assumption: Sizes of Oil Fields (cont'd)

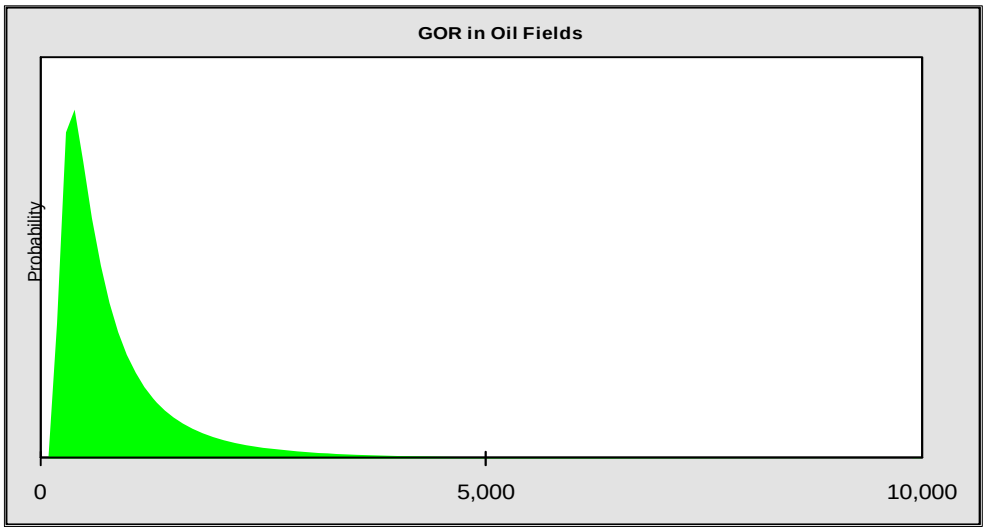
Percentiles:	Simulated values	Theoretical values
P100	50.05	50.00
P95	55.68	55.72
P90	59.53	59.62
P85	63.69	63.64
P80	68.08	68.02
P75	72.99	72.87
P70	78.48	78.34
P65	84.75	84.56
P60	91.78	91.72
P55	99.96	100.06
P50	109.77	109.89
P45	121.52	121.65
P40	136.06	135.96
P35	154.17	153.76
P30	177.30	176.51
P25	205.77	206.68
P20	247.11	248.78
P15	309.11	312.24
P10	417.08	421.37
P5	679.00	670.35
P0	4,996.77	5,000.00

Assumption: GOR in Oil Fields

Lognormal distribution with parameters:

Mean	939.74
Standard Deviation	965.17

Selected range is from 200.00 to 10,000.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	927.02	927.01
Median	651.24	649.44
Mode	---	---
Standard Deviation	868.85	865.82
Variance	754,900.34	749,636.98
Skewness	3.60	3.53
Kurtosis	22.36	21.72
Coefficient of Variability	0.94	0.93
Minimum	204.69	200.00
Maximum	9,763.32	10,000.00
Range Width	9,558.63	9,800.00
Mean Standard Error	3.89	---

Assumption: GOR in Oil Fields (cont'd)

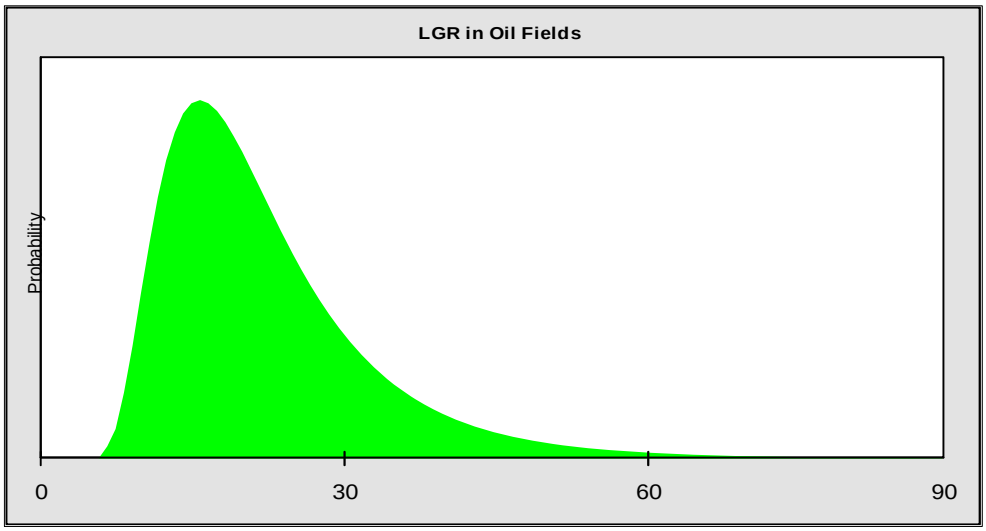
Percentiles:	Simulated values	Theoretical values
P100	204.69	200.00
P95	287.37	287.25
P90	326.63	325.32
P85	360.86	360.01
P80	394.97	394.30
P75	430.39	429.51
P70	467.73	466.54
P65	506.60	506.16
P60	549.47	549.19
P55	598.12	596.56
P50	651.24	649.44
P45	710.06	709.36
P40	777.86	778.42
P35	857.05	859.63
P30	956.00	957.55
P25	1,078.73	1,079.54
P20	1,236.79	1,238.51
P15	1,459.38	1,460.16
P10	1,799.44	1,806.67
P5	2,486.17	2,498.77
P0	9,763.32	10,000.00

Assumption: LGR in Oil Fields

Lognormal distribution with parameters:

Mean	22.55
Standard Deviation	10.89

Selected range is from 4.00 to 90.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	22.45	22.47
Median	19.98	19.99
Mode	---	---
Standard Deviation	10.50	10.57
Variance	110.32	111.72
Skewness	1.62	1.63
Kurtosis	6.95	6.99
Coefficient of Variability	0.4679	0.4704
Minimum	5.70	4.00
Maximum	89.28	90.00
Range Width	83.57	86.00
Mean Standard Error	0.05	---

Assumption: LGR in Oil Fields (cont'd)

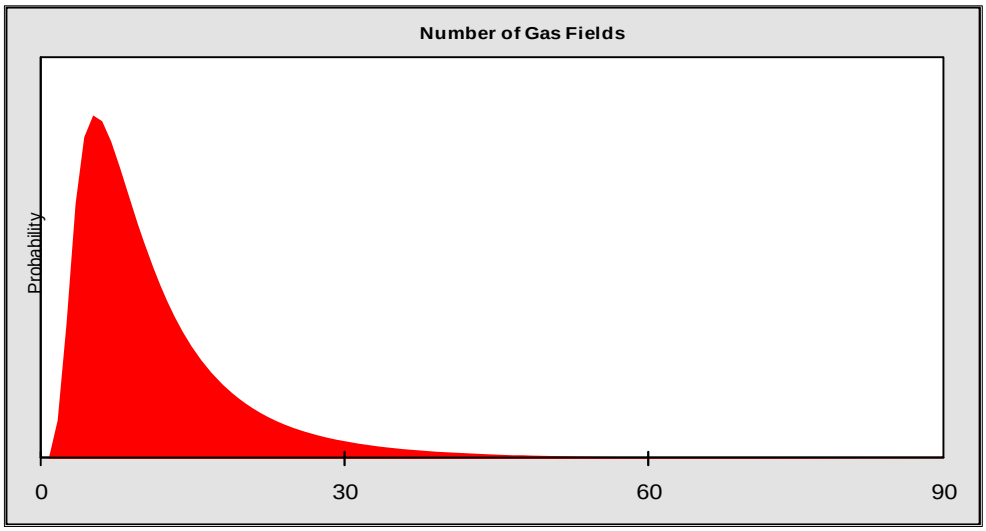
Percentiles:	Simulated values	Theoretical values
P100	5.70	4.00
P95	10.52	10.53
P90	11.95	11.96
P85	13.08	13.10
P80	14.07	14.12
P75	15.08	15.08
P70	16.03	16.02
P65	17.00	16.97
P60	17.98	17.93
P55	18.95	18.93
P50	19.98	19.99
P45	21.14	21.12
P40	22.37	22.35
P35	23.71	23.71
P30	25.31	25.26
P25	27.06	27.07
P20	29.23	29.26
P15	31.99	32.07
P10	35.84	36.05
P5	42.87	42.97
P0	89.28	90.00

Assumption: Number of Gas Fields

Lognormal distribution with parameters:

Mean	11.84
Standard Deviation	9.92

Selected range is from 1.00 to 90.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	11.74	11.74
Median	8.98	8.99
Mode	---	---
Standard Deviation	9.39	9.34
Variance	88.21	87.17
Skewness	2.62	2.54
Kurtosis	13.64	12.75
Coefficient of Variability	0.8000	0.7953
Minimum	1.42	1.00
Maximum	89.94	90.00
Range Width	88.53	89.00
Mean Standard Error	0.04	---

Assumption: Number of Gas Fields (cont'd)

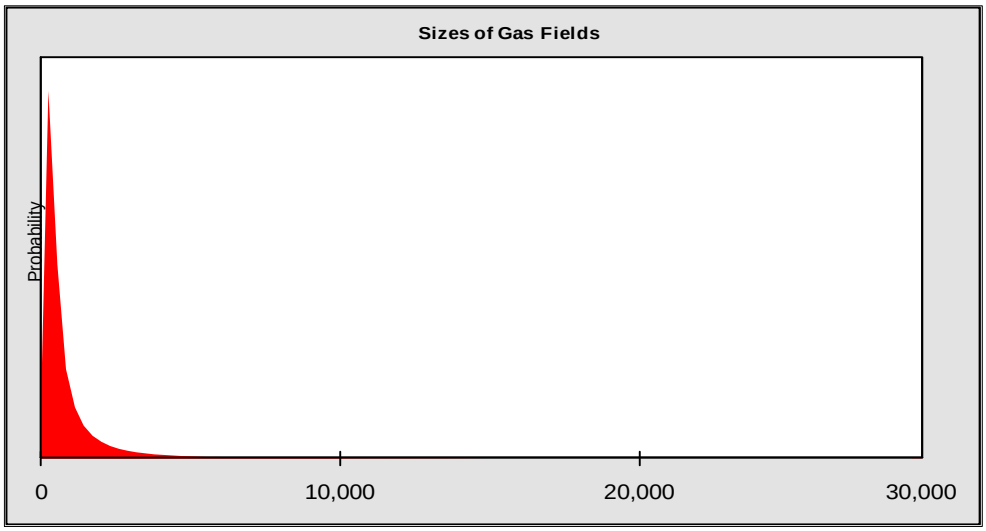
Percentiles:	Simulated values	Theoretical values
P100	1.42	1.00
P95	3.21	3.22
P90	3.94	3.94
P85	4.55	4.56
P80	5.14	5.15
P75	5.72	5.73
P70	6.30	6.31
P65	6.92	6.92
P60	7.56	7.56
P55	8.23	8.25
P50	8.98	8.99
P45	9.81	9.81
P40	10.72	10.74
P35	11.78	11.79
P30	13.01	13.02
P25	14.56	14.51
P20	16.42	16.39
P15	18.84	18.90
P10	22.65	22.64
P5	29.73	29.64
P0	89.94	90.00

Assumption: Sizes of Gas Fields

Lognormal distribution with parameters:

Mean	1,298.07
Standard Deviation	2,580.80

Selected range is from 300.00 to 30,000.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	1,251.63	1,251.62
Median	657.07	659.36
Mode	---	---
Standard Deviation	1,933.12	1,906.78
Variance	3,736,935.06	3,635,798.59
Skewness	6.05	5.95
Kurtosis	55.45	54.16
Coefficient of Variability	1.54	1.52
Minimum	300.49	300.00
Maximum	29,478.58	30,000.00
Range Width	29,178.09	29,700.00
Mean Standard Error	8.65	---

Assumption: Sizes of Gas Fields (cont'd)

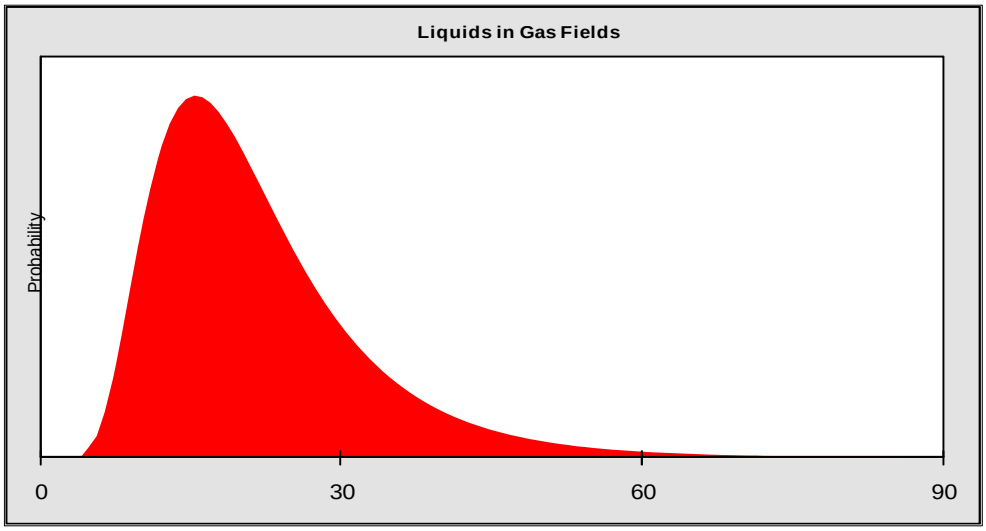
Percentiles:	Simulated values	Theoretical values
P100	300.49	300.00
P95	334.24	334.34
P90	357.85	357.69
P85	382.09	381.86
P80	407.31	408.11
P75	436.49	437.24
P70	469.87	470.03
P65	506.90	507.37
P60	550.06	550.34
P55	598.78	600.37
P50	657.07	659.36
P45	726.73	729.91
P40	810.73	815.78
P35	917.44	922.58
P30	1,054.51	1,059.09
P25	1,229.66	1,240.08
P20	1,479.35	1,492.65
P15	1,863.85	1,873.45
P10	2,523.22	2,528.25
P5	4,035.08	4,022.08
P0	29,478.58	30,000.00

Assumption: Liquids in Gas Fields

Lognormal distribution with parameters:

Mean	22.34
Standard Deviation	10.71

Selected range is from 2.00 to 85.00



Statistics:	Simulated values	Theoretical values
Trials	50,000	---
Mean	22.31	22.27
Median	20.07	19.99
Mode	---	---
Standard Deviation	10.46	10.44
Variance	109.32	108.90
Skewness	1.45	1.46
Kurtosis	6.12	6.18
Coefficient of Variability	0.4686	0.4687
Minimum	4.72	2.00
Maximum	84.96	85.00
Range Width	80.24	83.00
Mean Standard Error	0.05	---

Assumption: Liquids in Gas Fields (cont'd)

Percentiles:	Simulated values	Theoretical values
P100	4.72	2.00
P95	9.92	9.98
P90	11.53	11.55
P85	12.77	12.78
P80	13.88	13.87
P75	14.93	14.89
P70	15.94	15.88
P65	16.94	16.87
P60	17.99	17.87
P55	18.98	18.91
P50	20.07	19.99
P45	21.23	21.14
P40	22.46	22.39
P35	23.81	23.76
P30	25.35	25.31
P25	27.16	27.10
P20	29.29	29.26
P15	31.98	32.00
P10	35.90	35.84
P5	42.67	42.43
P0	84.96	85.00

End of Assumptions

Simulation started on 12/31/2007 at 14:56:57
Simulation stopped on 12/31/2007 at 15:21:45