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Trinidad Basins, Assessment Unit 60980201
Assessment Results Summary

[MMBO, million barrels of oil. BCFG, billion cubic feet of gas. MMBNGL, million barrels of natural gas liquids. MFS, minimum field size assessed (MMBO or BCFG). Prob., probability (including both geologic and accessibility probabilities) of at least one field equal to or greater than the MFS. Results shown are fully risked estimates. For gas fields, all liquids are included under the NGL (natural gas liquids) category. F95 represents a 95 percent chance of at least the amount tabulated. Other fractiles are defined similarly. Fractiles are additive under the assumption of perfect positive correlation. Shading indicates not applicable]

Field Type	MFS	Prob. (0-1)	Undiscovered Resources												Largest Undiscovered Field (MMBO or BCFG)			
			Oil (MMBO)				Gas (BCFG)				NGL (MMBNGL)							
			F95	F50	F5	Mean	F95	F50	F5	Mean	F95	F50	F5	Mean	F95	F50	F5	Mean
Oil Fields	4	1.00	110	378	847	416	207	736	1,778	832	12	43	112	50	26	83	287	109
Gas Fields	24						8,076	22,022	41,504	23,128	326	943	1,966	1,017	940	2,305	5,070	2,558
Total		1.00	110	378	847	416	8,283	22,758	43,283	23,960	338	986	2,078	1,067				

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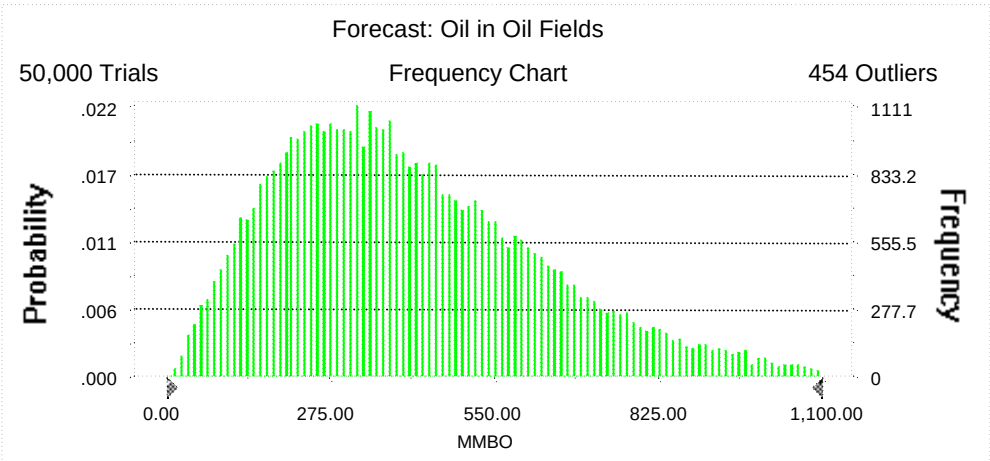
Monte Carlo Results

Forecast: Oil in Oil Fields

Summary:

Display range is from 0.00 to 1,100.00 MMBO
Entire range is from 10.29 to 1,828.73 MMBO
After 50,000 trials, the standard error of the mean is 1.03

Statistics:	Value
Trials	50000
Mean	416.06
Median	377.82
Mode	---
Standard Deviation	229.23
Variance	52,548.27
Skewness	0.89
Kurtosis	3.94
Coefficient of Variability	0.55
Range Minimum	10.29
Range Maximum	1,828.73
Range Width	1,818.43
Mean Standard Error	1.03



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Forecast: Oil in Oil Fields (cont'd)

Percentiles:

Percentile	MMBO
100%	10.29
95%	110.39
90%	153.77
85%	187.15
80%	216.68
75%	244.51
70%	271.28
65%	298.04
60%	324.84
55%	351.29
50%	377.82
45%	407.00
40%	438.91
35%	471.85
30%	509.82
25%	549.97
20%	597.32
15%	651.81
10%	727.21
5%	846.81
0%	1,828.73

End of Forecast

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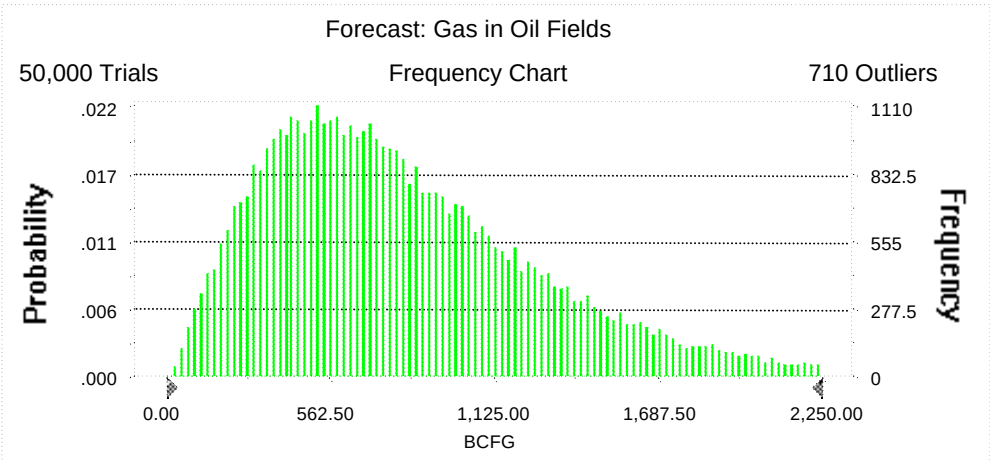
Forecast: Gas in Oil Fields

Summary:

Display range is from 0.00 to 2,250.00 BCFG
Entire range is from 19.52 to 4,216.94 BCFG
After 50,000 trials, the standard error of the mean is 2.22

Statistics:	Value
Trials	50000
Mean	831.91
Median	736.27
Mode	---
Standard Deviation	496.91
Variance	246,916.50
Skewness	1.12
Kurtosis	4.75
Coefficient of Variability	0.60
Range Minimum	19.52
Range Maximum	4,216.94
Range Width	4,197.42
Mean Standard Error	2.22



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Forecast: Gas in Oil Fields (cont'd)

Percentiles:

Percentile	BCFG
100%	19.52
95%	206.60
90%	287.88
85%	351.93
80%	409.44
75%	462.89
70%	517.97
65%	569.81
60%	624.10
55%	680.59
50%	736.27
45%	795.80
40%	860.92
35%	932.85
30%	1,011.75
25%	1,098.55
20%	1,204.35
15%	1,330.86
10%	1,501.62
5%	1,778.14
0%	4,216.94

End of Forecast

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Trinidad Basins
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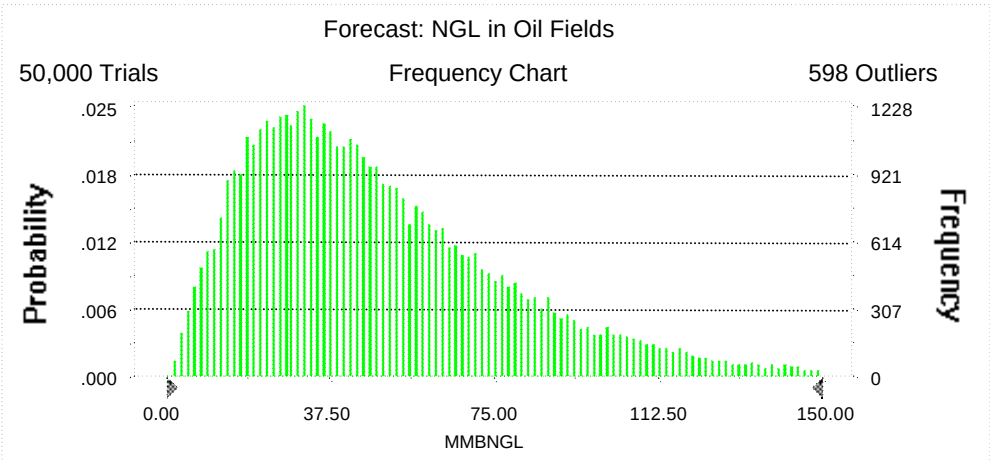
Forecast: NGL in Oil Fields

Summary:

Display range is from 0.00 to 150.00 MMBNGL
Entire range is from 0.95 to 334.49 MMBNGL
After 50,000 trials, the standard error of the mean is 0.14

Statistics:	Value
Trials	50000
Mean	49.94
Median	43.00
Mode	---
Standard Deviation	32.09
Variance	1,029.67
Skewness	1.35
Kurtosis	5.77
Coefficient of Variability	0.64
Range Minimum	0.95
Range Maximum	334.49
Range Width	333.54
Mean Standard Error	0.14



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Forecast: NGL in Oil Fields (cont'd)

Percentiles:

Percentile	MMBNGL
100%	0.95
95%	11.61
90%	16.20
85%	19.90
80%	23.31
75%	26.57
70%	29.80
65%	32.85
60%	36.15
55%	39.46
50%	43.00
45%	46.71
40%	50.75
35%	55.16
30%	60.22
25%	65.98
20%	72.75
15%	81.20
10%	92.71
5%	111.61
0%	334.49

End of Forecast

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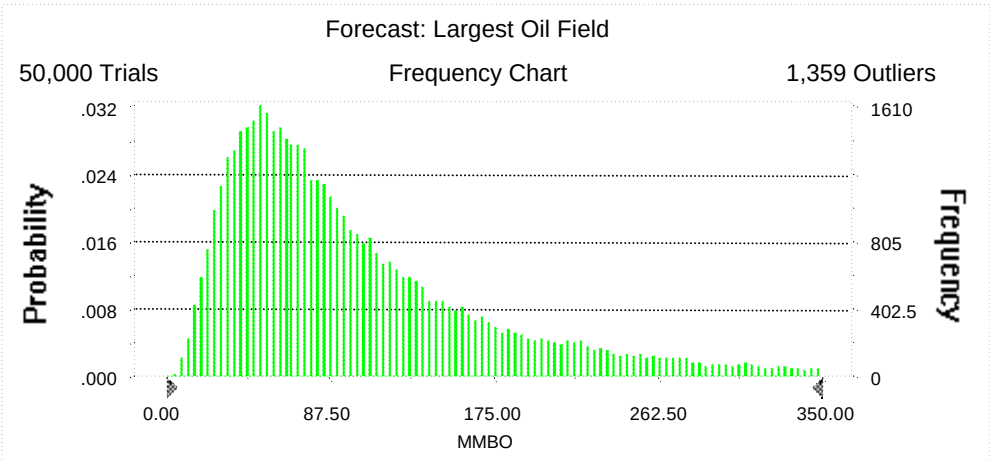
Forecast: Largest Oil Field

Summary:

Display range is from 0.00 to 350.00 MMBO
Entire range is from 5.92 to 499.85 MMBO
After 50,000 trials, the standard error of the mean is 0.38

Statistics:	Value
Trials	50000
Mean	108.67
Median	82.83
Mode	---
Standard Deviation	84.29
Variance	7,105.51
Skewness	1.81
Kurtosis	6.66
Coefficient of Variability	0.78
Range Minimum	5.92
Range Maximum	499.85
Range Width	493.94
Mean Standard Error	0.38



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Monte Carlo Results

Forecast: Largest Oil Field (cont'd)

Percentiles:

Percentile	MMBO
100%	5.92
95%	25.80
90%	33.48
85%	39.90
80%	45.92
75%	51.42
70%	57.00
65%	62.99
60%	69.22
55%	75.56
50%	82.83
45%	90.67
40%	99.60
35%	110.11
30%	122.28
25%	136.92
20%	156.26
15%	181.97
10%	220.52
5%	287.13
0%	499.85

End of Forecast

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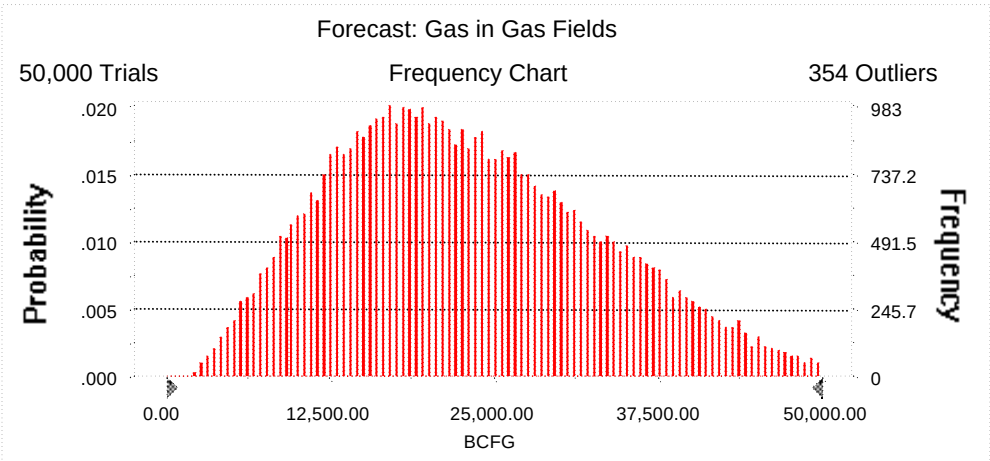
Trinidad Basins
Monte Carlo Results

Forecast: Gas in Gas Fields

Summary:

Display range is from 0.00 to 50,000.00 BCFG
Entire range is from 1,422.22 to 67,358.25 BCFG
After 50,000 trials, the standard error of the mean is 45.80

Statistics:	Value
Trials	50000
Mean	23,128.23
Median	22,021.63
Mode	---
Standard Deviation	10,242.27
Variance	104,904,093.76
Skewness	0.45
Kurtosis	2.73
Coefficient of Variability	0.44
Range Minimum	1,422.22
Range Maximum	67,358.25
Range Width	65,936.03
Mean Standard Error	45.80



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Trinidad Basins
Monte Carlo Results

Forecast: Gas in Gas Fields (cont'd)

Percentiles:

Percentile	BCFG
100%	1,422.22
95%	8,076.14
90%	10,473.70
85%	12,405.89
80%	13,925.29
75%	15,365.52
70%	16,735.57
65%	18,045.27
60%	19,330.87
55%	20,650.98
50%	22,021.63
45%	23,468.07
40%	24,920.57
35%	26,488.36
30%	28,116.18
25%	29,993.75
20%	32,082.72
15%	34,541.18
10%	37,420.95
5%	41,504.48
0%	67,358.25

End of Forecast

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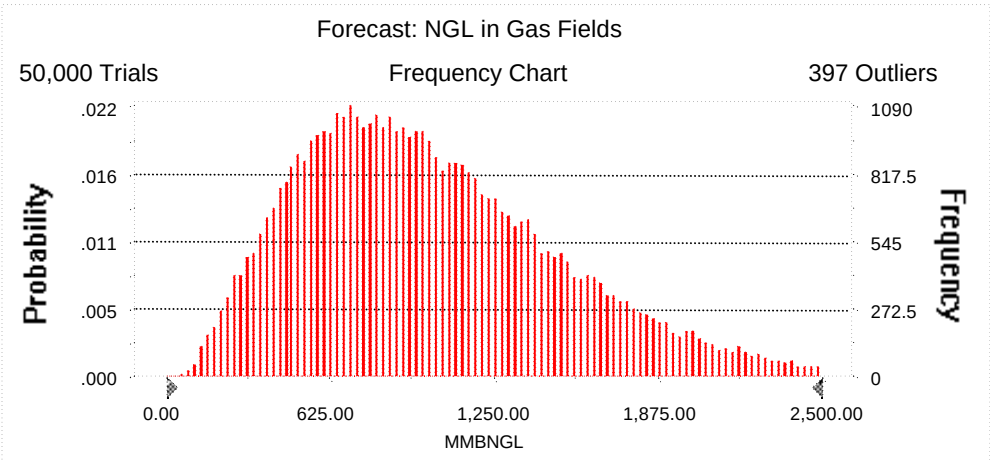
Trinidad Basins
Monte Carlo Results

Forecast: NGL in Gas Fields

Summary:

Display range is from 0.00 to 2,500.00 MMBNGL
Entire range is from 55.10 to 4,177.08 MMBNGL
After 50,000 trials, the standard error of the mean is 2.25

Statistics:	Value
Trials	50000
Mean	1,017.17
Median	942.70
Mode	---
Standard Deviation	504.18
Variance	254,199.46
Skewness	0.76
Kurtosis	3.48
Coefficient of Variability	0.50
Range Minimum	55.10
Range Maximum	4,177.08
Range Width	4,121.97
Mean Standard Error	2.25



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Monte Carlo Results

Forecast: NGL in Gas Fields (cont'd)

Percentiles:

Percentile	MMBNGL
100%	55.10
95%	326.41
90%	429.51
85%	507.29
80%	575.55
75%	639.89
70%	699.11
65%	758.00
60%	818.58
55%	879.81
50%	942.70
45%	1,006.01
40%	1,077.32
35%	1,149.54
30%	1,229.72
25%	1,320.50
20%	1,422.83
15%	1,549.47
10%	1,711.62
5%	1,966.10
0%	4,177.08

End of Forecast

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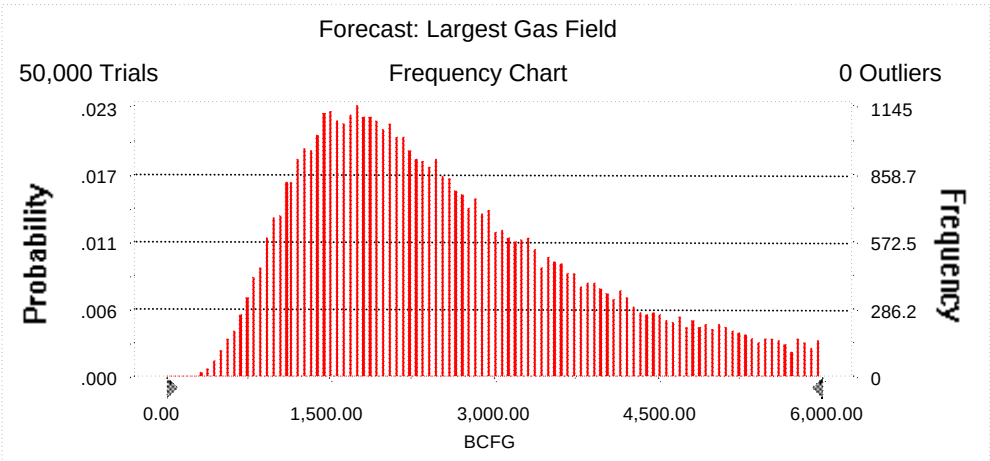
Trinidad Basins
Monte Carlo Results

Forecast: Largest Gas Field

Summary:

Display range is from 0.00 to 6,000.00 BCFG
Entire range is from 195.65 to 5,999.26 BCFG
After 50,000 trials, the standard error of the mean is 5.56

Statistics:	Value
Trials	50000
Mean	2,557.66
Median	2,305.42
Mode	---
Standard Deviation	1,243.40
Variance	1,546,032.32
Skewness	0.73
Kurtosis	2.85
Coefficient of Variability	0.49
Range Minimum	195.65
Range Maximum	5,999.26
Range Width	5,803.61
Mean Standard Error	5.56



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Forecast: Largest Gas Field (cont'd)

Percentiles:

Percentile	BCFG
100%	195.65
95%	940.17
90%	1,149.05
85%	1,314.77
80%	1,465.12
75%	1,599.78
70%	1,737.19
65%	1,870.85
60%	2,008.36
55%	2,152.52
50%	2,305.42
45%	2,472.31
40%	2,645.34
35%	2,841.69
30%	3,062.63
25%	3,315.66
20%	3,608.17
15%	3,966.37
10%	4,428.11
5%	5,070.32
0%	5,999.26

End of Forecast

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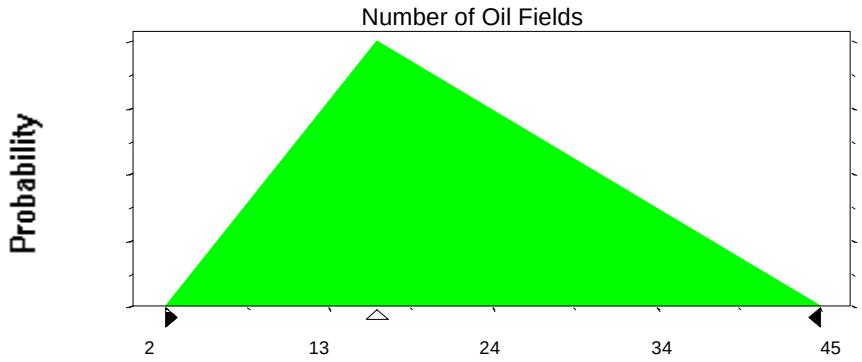
Assumptions

Assumption: Number of Oil Fields

Triangular distribution with parameters:

Minimum	2
Likeliest	16
Maximum	45

Selected range is from 2 to 45
Mean value in simulation was 21



Assumption: Sizes of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	16.65	20.65
Standard Deviation	43.10	43.1
Selected range is from	0.00 to 496.00	4.00 to 500.00
Mean value in simulation was	15.84	19.84

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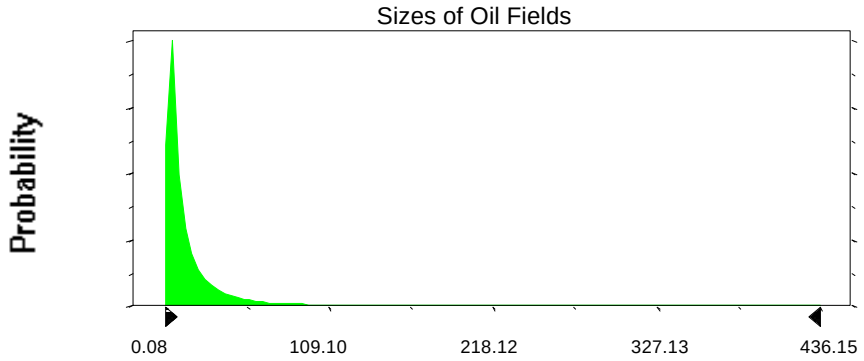
Assumption: Sizes of Oil Fields (cont'd)

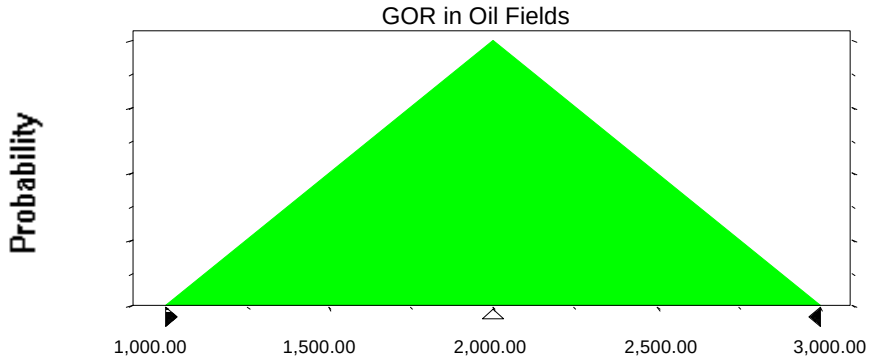


Assumption: GOR in Oil Fields

Triangular distribution with parameters:

Minimum	1,000.00
Likeliest	2,000.00
Maximum	3,000.00

Selected range is from 1,000.00 to 3,000.00
Mean value in simulation was 1,999.96



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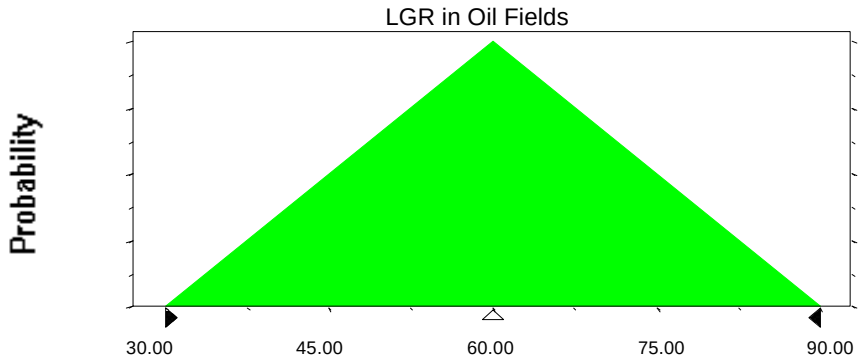
Assumption: LGR in Oil Fields

Triangular distribution with parameters:

Minimum	30.00
Likeliest	60.00
Maximum	90.00

Selected range is from 30.00 to 90.00
Mean value in simulation was 60.06



Assumption: Number of Gas Fields

Triangular distribution with parameters:

Minimum	14
Likeliest	80
Maximum	220

Selected range is from 14 to 220
Mean value in simulation was 105

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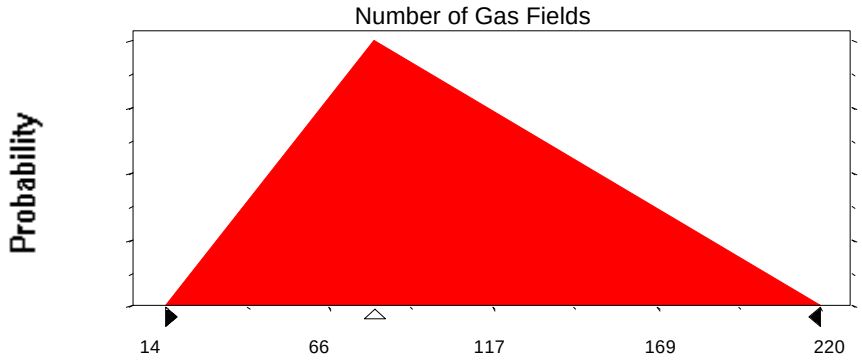
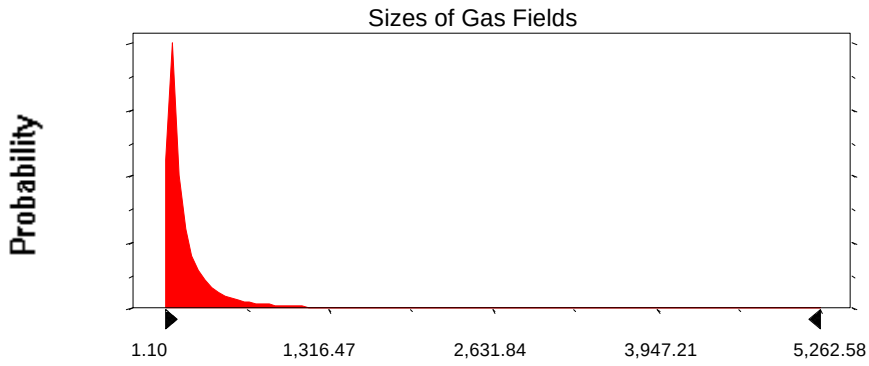
Assumption: Number of Gas Fields (cont'd)



Assumption: Sizes of Gas Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	206.10	230.1
Standard Deviation	519.54	519.54
Selected range is from 0.00 to 5,976.00		24.00 to 6,000.00
Mean value in simulation was 196.98		220.98



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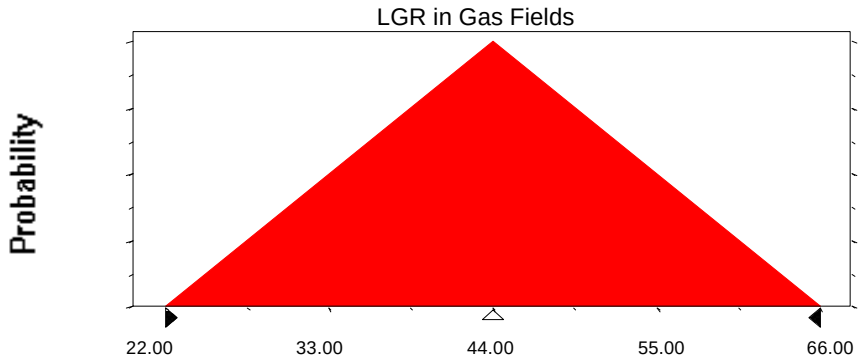
Assumption: LGR in Gas Fields

Triangular distribution with parameters:

Minimum	22.00
Likeliest	44.00
Maximum	66.00

Selected range is from 22.00 to 66.00
Mean value in simulation was 43.99



End of Assumptions

Simulation started on 7/16/99 at 14:01:09
Simulation stopped on 7/16/99 at 15:04:46