

31440201
Structural Traps
Monte Carlo Results

Forecast: Gas in Gas Fields

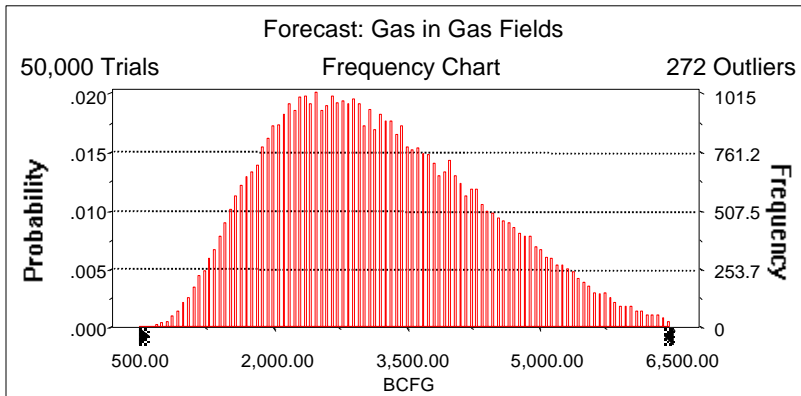
Summary:

Display range is from 500.00 to 6,500.00 BCFG

Entire range is from 619.65 to 8,653.05 BCFG

After 50,000 trials, the standard error of the mean is 5.29

Statistics:	<u>Value</u>
Trials	50000
Mean	3,212.17
Median	3,075.10
Mode	---
Standard Deviation	1,183.74
Variance	1,401,235.66
Skewness	0.49
Kurtosis	2.79
Coefficient of Variability	0.37
Range Minimum	619.65
Range Maximum	8,653.05
Range Width	8,033.41
Mean Standard Error	5.29



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Forecast: Gas in Gas Fields (cont'd)

Percentiles:

<u>Percentile</u>	<u>BCFG</u>
100%	619.65
95%	1,512.71
90%	1,770.29
85%	1,973.18
80%	2,144.28
75%	2,303.28
70%	2,454.75
65%	2,607.11
60%	2,759.82
55%	2,915.05
50%	3,075.10
45%	3,239.18
40%	3,409.15
35%	3,591.86
30%	3,790.63
25%	4,010.45
20%	4,249.56
15%	4,526.63
10%	4,868.81
5%	5,345.91
0%	8,653.05

End of Forecast

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Forecast: NGL in Gas Fields

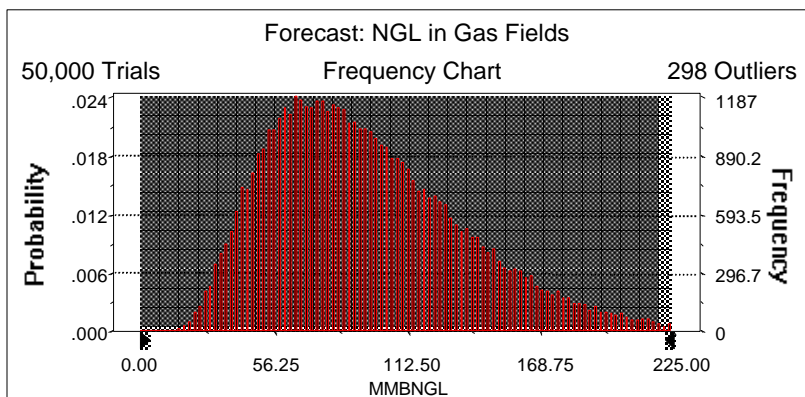
Summary:

Display range is from 0.00 to 225.00 MMBNGL

Entire range is from 13.07 to 351.86 MMBNGL

After 50,000 trials, the standard error of the mean is 0.19

Statistics:	Value
Trials	50000
Mean	96.47
Median	90.02
Mode	---
Standard Deviation	41.41
Variance	1,714.61
Skewness	0.80
Kurtosis	3.57
Coefficient of Variability	0.43
Range Minimum	13.07
Range Maximum	351.86
Range Width	338.79
Mean Standard Error	0.19



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Forecast: NGL in Gas Fields (cont'd)

Percentiles:

<u>Percentile</u>	<u>MMBNGL</u>
100%	13.07
95%	40.67
90%	48.72
85%	54.89
80%	60.30
75%	65.35
70%	70.14
65%	75.06
60%	79.93
55%	84.93
50%	90.02
45%	95.41
40%	101.04
35%	107.14
30%	113.75
25%	121.25
20%	129.73
15%	140.06
10%	153.41
5%	174.55
0%	351.86

End of Forecast

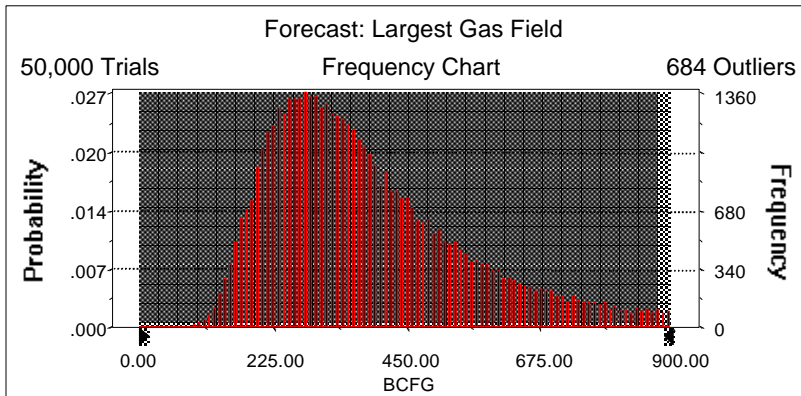
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Forecast: Largest Gas Field

Summary:

Display range is from 0.00 to 900.00 BCFG
Entire range is from 78.94 to 999.88 BCFG
After 50,000 trials, the standard error of the mean is 0.77

Statistics:	Value
Trials	50000
Mean	393.26
Median	353.17
Mode	---
Standard Deviation	172.95
Variance	29,912.42
Skewness	1.07
Kurtosis	3.87
Coefficient of Variability	0.44
Range Minimum	78.94
Range Maximum	999.88
Range Width	920.94
Mean Standard Error	0.77



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Forecast: Largest Gas Field (cont'd)

Percentiles:

<u>Percentile</u>	<u>BCFG</u>
100%	78.94
95%	183.09
90%	210.69
85%	230.49
80%	248.70
75%	265.68
70%	282.70
65%	299.74
60%	316.72
55%	334.61
50%	353.17
45%	373.27
40%	394.68
35%	419.88
30%	448.26
25%	481.26
20%	521.05
15%	571.79
10%	640.84
5%	752.81
0%	999.88

End of Forecast

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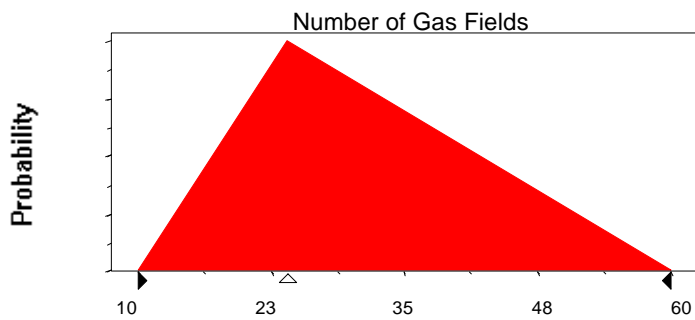
Assumptions

Assumption: Number of Gas Fields

Triangular distribution with parameters:

Minimum	10
Likeliest	24
Maximum	60

Selected range is from 10 to 60
Mean value in simulation was 31



Assumption: Sizes of Gas Fields

Lognormal distribution with parameters:

Mean	73.73
Standard Deviation	95.69

Shifted parameters

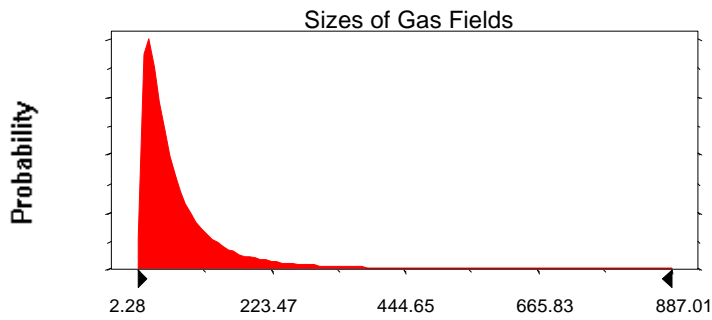
103.73
95.69

Selected range is from 0.00 to 970.00
Mean value in simulation was 72.59

30.00 to 1,000.00
102.59

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Assumption: Sizes of Gas Fields (cont'd)

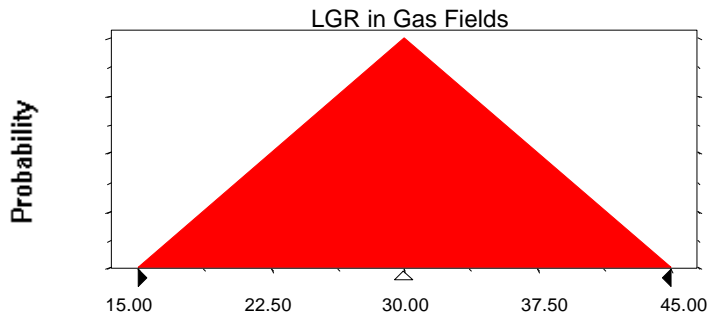


Assumption: LGR in Gas Fields

Triangular distribution with parameters:

Minimum	15.00
Likeliest	30.00
Maximum	45.00

Selected range is from 15.00 to 45.00
Mean value in simulation was 30.01



End of Assumptions

Simulation started on 12/8/98 at 13:26:56
Simulation stopped on 12/8/98 at 13:47:17