



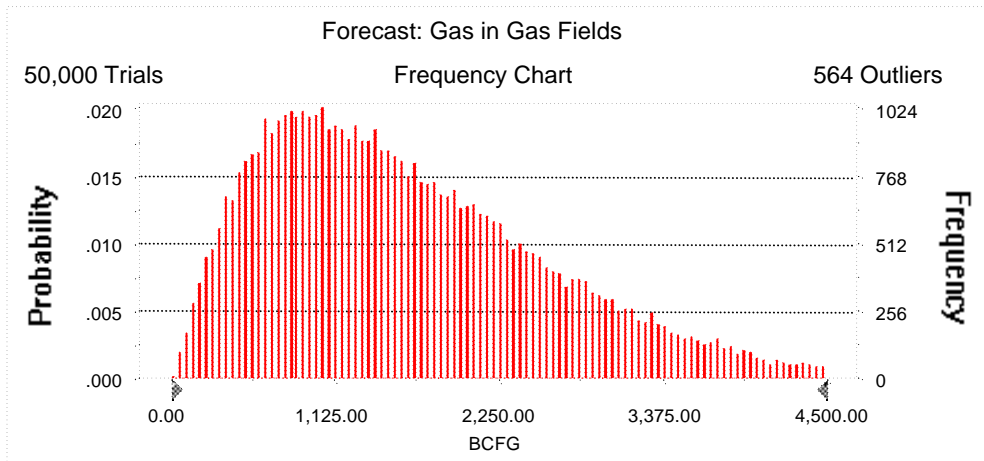
**31420102**  
**Northwestern Depression/Foldbelt**  
**Monte Carlo Results**

**Forecast: Gas in Gas Fields**

Summary:

Display range is from 0.00 to 4,500.00 BCFG  
Entire range is from 27.65 to 8,095.18 BCFG  
After 50,000 trials, the standard error of the mean is 4.49

Statistics:	Value
Trials	50000
Mean	1,649.64
Median	1,465.65
Mode	---
Standard Deviation	1,003.54
Variance	1,007,088.94
Skewness	0.92
Kurtosis	3.85
Coefficient of Variability	0.61
Range Minimum	27.65
Range Maximum	8,095.18
Range Width	8,067.53
Mean Standard Error	4.49



**31420102**  
**Northwestern Depression/Foldbelt**  
**Monte Carlo Results**

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

Percentiles:

<u>Percentile</u>	<u>BCFG</u>
100%	27.65
95%	362.88
90%	515.82
85%	645.95
80%	763.35
75%	877.04
70%	988.50
65%	1,101.21
60%	1,219.02
55%	1,341.11
50%	1,465.65
45%	1,597.12
40%	1,739.85
35%	1,894.57
30%	2,060.87
25%	2,239.23
20%	2,451.67
15%	2,711.41
10%	3,043.18
5%	3,556.48
0%	8,095.18

End of Forecast

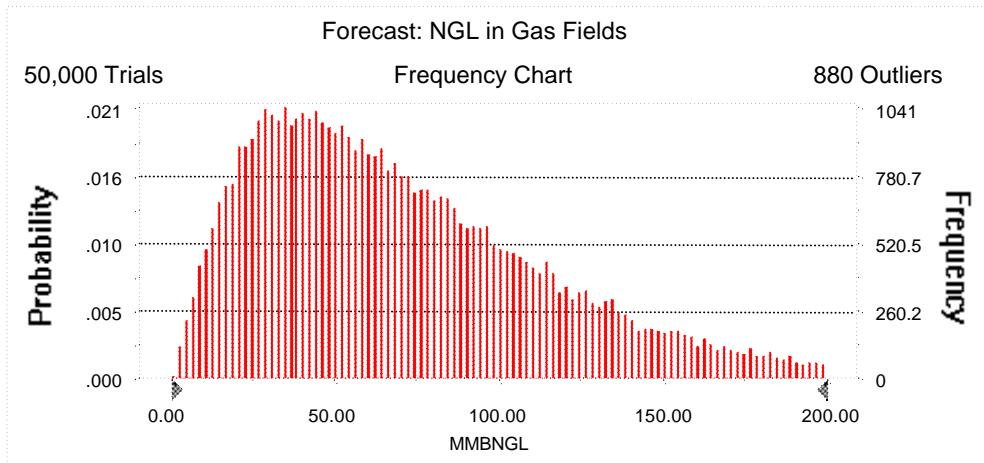
**31420102**  
**Northwestern Depression/Foldbelt**  
**Monte Carlo Results**

**Forecast: NGL in Gas Fields**

Summary:

Display range is from 0.00 to 200.00 MMBNGL  
 Entire range is from 0.92 to 424.83 MMBNGL  
 After 50,000 trials, the standard error of the mean is 0.21

Statistics:	<u>Value</u>
Trials	50000
Mean	72.64
Median	62.86
Mode	---
Standard Deviation	47.29
Variance	2,235.97
Skewness	1.14
Kurtosis	4.60
Coefficient of Variability	0.65
Range Minimum	0.92
Range Maximum	424.83
Range Width	423.91
Mean Standard Error	0.21



**31420102**  
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**Monte Carlo Results**

**Forecast: NGL in Gas Fields (cont'd)**

Percentiles:

<u>Percentile</u>	<u>MMBNGL</u>
100%	0.92
95%	15.01
90%	21.43
85%	26.86
80%	31.79
75%	36.71
70%	41.75
65%	46.66
60%	51.85
55%	57.14
50%	62.86
45%	68.76
40%	75.16
35%	82.21
30%	89.70
25%	98.26
20%	108.52
15%	120.79
10%	136.96
5%	163.82
0%	424.83

End of Forecast

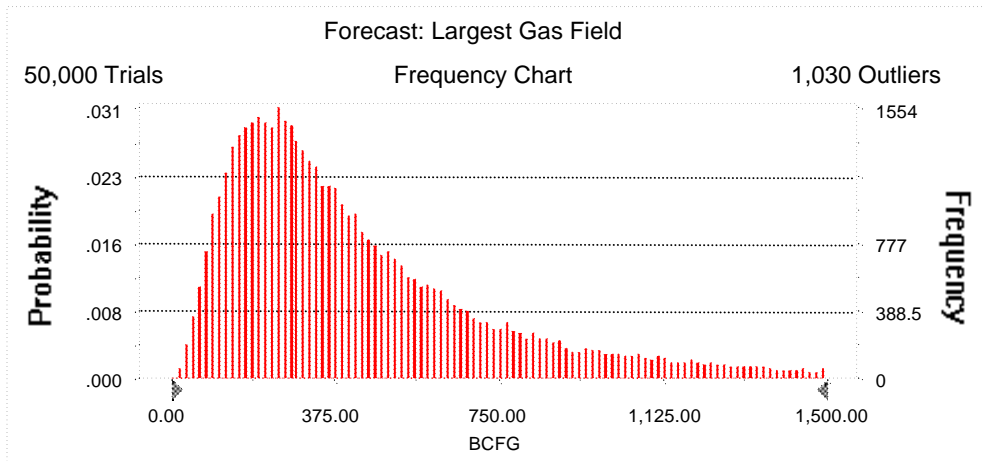
**31420102**  
**Northwestern Depression/Foldbelt**  
**Monte Carlo Results**

**Forecast: Largest Gas Field**

Summary:

Display range is from 0.00 to 1,500.00 BCFG  
 Entire range is from 10.11 to 1,998.75 BCFG  
 After 50,000 trials, the standard error of the mean is 1.53

Statistics:	<u>Value</u>
Trials	50000
Mean	449.72
Median	348.26
Mode	---
Standard Deviation	342.99
Variance	117,643.05
Skewness	1.69
Kurtosis	6.13
Coefficient of Variability	0.76
Range Minimum	10.11
Range Maximum	1,998.75
Range Width	1,988.64
Mean Standard Error	1.53



**31420102**  
**Northwestern Depression/Foldbelt**  
**Monte Carlo Results**

**Forecast: Largest Gas Field (cont'd)**

Percentiles:

<u>Percentile</u>	<u>BCFG</u>
100%	10.11
95%	99.96
90%	134.19
85%	161.93
80%	187.64
75%	212.75
70%	238.59
65%	263.23
60%	289.21
55%	317.22
50%	348.26
45%	381.96
40%	419.93
35%	463.25
30%	514.01
25%	574.77
20%	650.25
15%	757.08
10%	907.92
5%	1,184.63
0%	1,998.75

End of Forecast

**31420102**  
**Northwestern Depression/Foldbelt**  
**Monte Carlo Results**

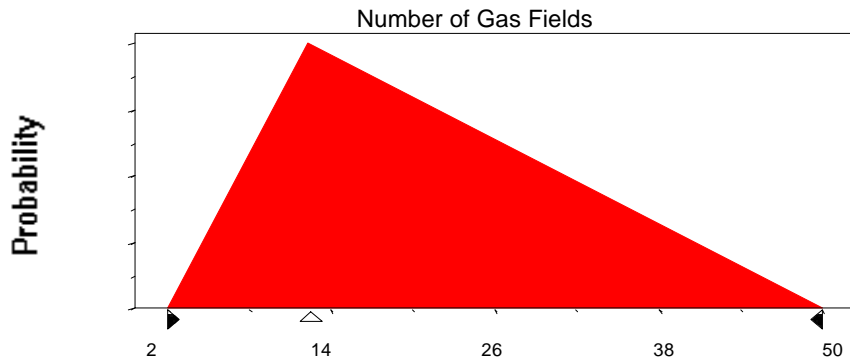
**Assumptions**

**Assumption: Number of Gas Fields**

Triangular distribution with parameters:

Minimum	2
Likeliest	13
Maximum	50

Selected range is from 2 to 50  
Mean value in simulation was 21



**Assumption: Sizes of Gas Fields**

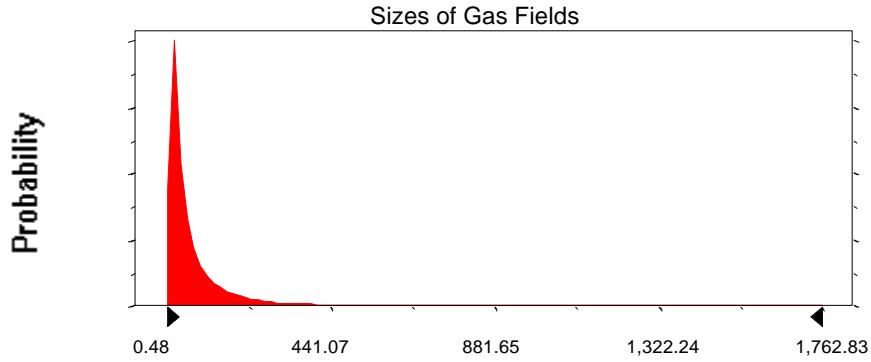
Lognormal distribution with parameters:		Shifted parameters
Mean	74.04	80.04
Standard Deviation	173.91	173.91

Selected range is from 0.00 to 1,994.00                      6.00 to 2,000.00  
Mean value in simulation was 70.66                                      76.66



31420102  
Northwestern Depression/Foldbelt  
Monte Carlo Results

Assumption: Sizes of Gas Fields (cont'd)



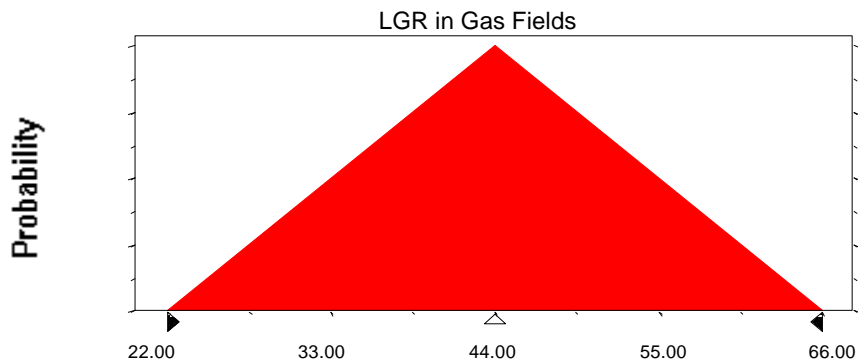
Assumption: LGR in Gas Fields

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 44.06



End of Assumptions

Simulation started on 12/30/99 at 16:15:26  
Simulation stopped on 12/30/99 at 16:33:04