

**Coastal Plain and Offshore, Assessment Unit 71830101  
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	2	1.00	225	901	2,117	1,004	918	3,846	9,845	4,420	29	124	339	146	47	162	500	201
Gas Fields	12						1,256	5,064	12,000	5,650	28	118	303	136	260	914	2,846	1,138
Total		1.00	225	901	2,117	1,004	2,174	8,910	21,846	10,071	57	242	642	282				

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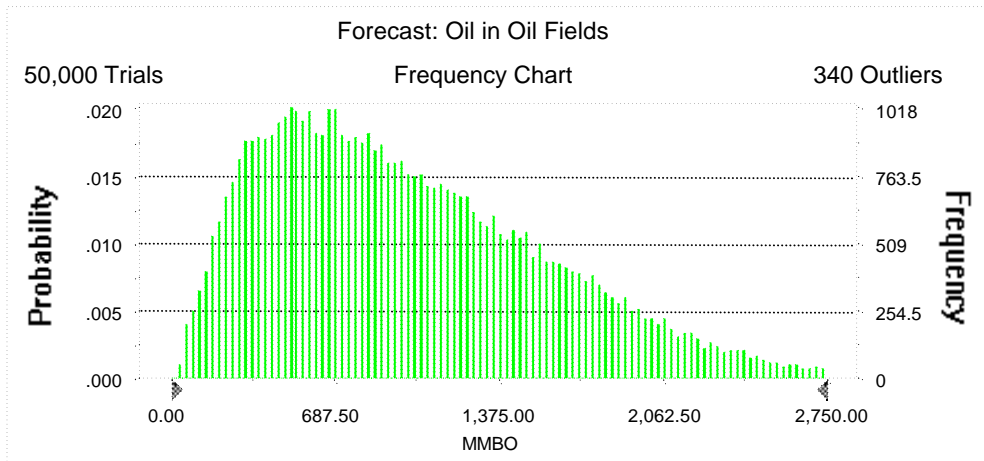
**Forecast: Oil in Oil Fields**

Summary:

Display range is from 0.00 to 2,750.00 MMBO  
Entire range is from 20.42 to 4,107.14 MMBO  
After 50,000 trials, the standard error of the mean is 2.67

Statistics:

	<u>Value</u>
Trials	50000
Mean	1,004.49
Median	900.62
Mode	---
Standard Deviation	595.99
Variance	355,209.73
Skewness	0.77
Kurtosis	3.25
Coefficient of Variability	0.59
Range Minimum	20.42
Range Maximum	4,107.14
Range Width	4,086.72
Mean Standard Error	2.67



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

Percentiles:

<u>Percentile</u>	<u>MMBO</u>
100%	20.42
95%	224.98
90%	312.28
85%	390.37
80%	463.69
75%	532.87
70%	602.20
65%	674.84
60%	746.02
55%	822.41
50%	900.62
45%	984.01
40%	1,073.21
35%	1,168.79
30%	1,267.23
25%	1,382.48
20%	1,509.54
15%	1,660.12
10%	1,842.50
5%	2,116.96
0%	4,107.14

End of Forecast

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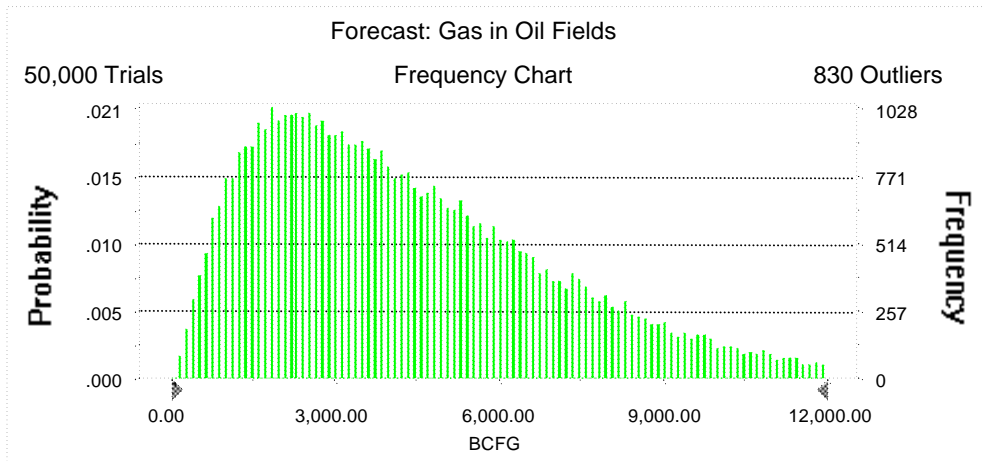
**Forecast: Gas in Oil Fields**

Summary:

Display range is from 0.00 to 12,000.00 BCFG  
Entire range is from 86.63 to 21,854.29 BCFG  
After 50,000 trials, the standard error of the mean is 12.64

Statistics:

	<u>Value</u>
Trials	50000
Mean	4,420.50
Median	3,845.82
Mode	---
Standard Deviation	2,825.42
Variance	7,982,984.82
Skewness	1.02
Kurtosis	4.10
Coefficient of Variability	0.64
Range Minimum	86.63
Range Maximum	21,854.29
Range Width	21,767.66
Mean Standard Error	12.64



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

Percentiles:

<u>Percentile</u>	<u>BCFG</u>
100%	86.63
95%	918.07
90%	1,301.86
85%	1,639.13
80%	1,940.80
75%	2,243.62
70%	2,542.20
65%	2,844.35
60%	3,167.94
55%	3,499.08
50%	3,845.82
45%	4,218.17
40%	4,619.46
35%	5,042.96
30%	5,506.72
25%	6,031.60
20%	6,624.15
15%	7,397.69
10%	8,338.04
5%	9,845.43
0%	21,854.29

End of Forecast

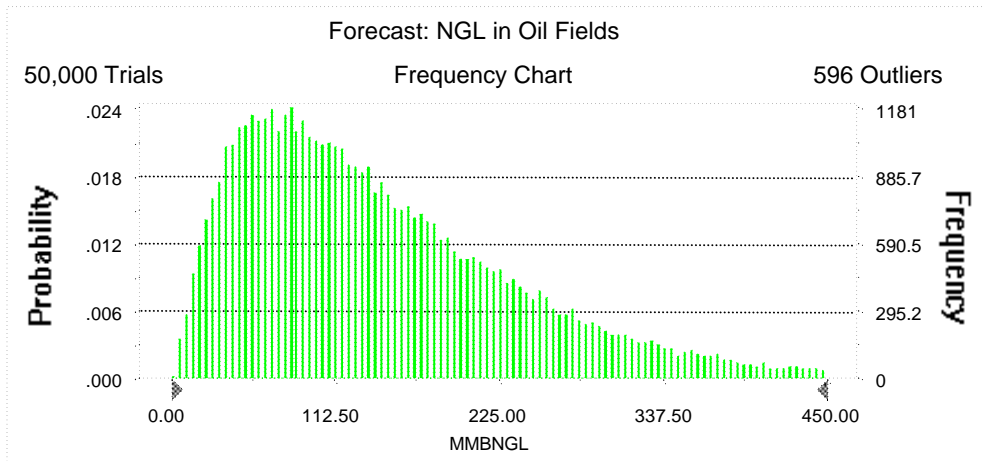
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**Forecast: NGL in Oil Fields**

Summary:

Display range is from 0.00 to 450.00 MMBNGL  
Entire range is from 2.54 to 888.37 MMBNGL  
After 50,000 trials, the standard error of the mean is 0.45

Statistics:	Value
Trials	50000
Mean	146.41
Median	123.85
Mode	---
Standard Deviation	99.74
Variance	9,947.65
Skewness	1.26
Kurtosis	5.12
Coefficient of Variability	0.68
Range Minimum	2.54
Range Maximum	888.37
Range Width	885.83
Mean Standard Error	0.45



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

Percentiles:

<u>Percentile</u>	<u>MMBNGL</u>
100%	2.54
95%	28.75
90%	40.99
85%	51.49
80%	61.49
75%	71.14
70%	81.26
65%	91.33
60%	101.84
55%	112.66
50%	123.85
45%	136.23
40%	149.41
35%	164.23
30%	180.12
25%	198.52
20%	220.38
15%	246.27
10%	281.69
5%	339.33
0%	888.37

End of Forecast

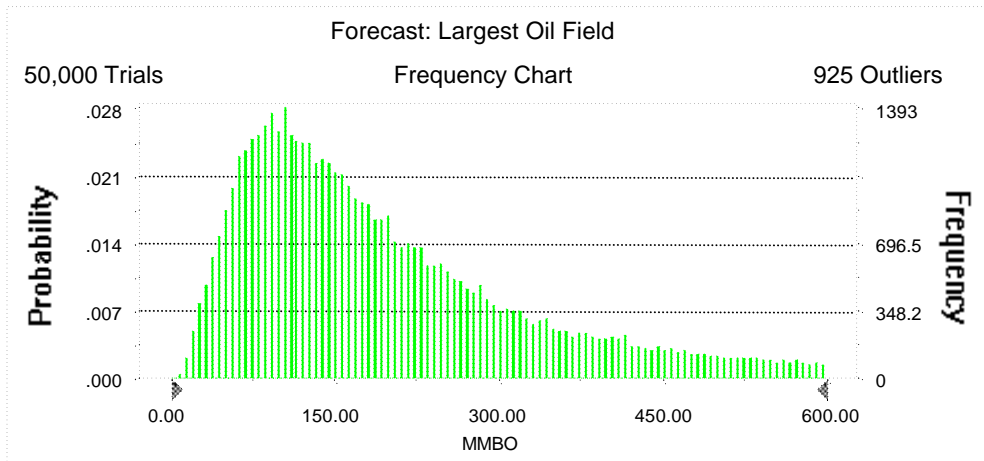
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**Forecast: Largest Oil Field**

Summary:

Display range is from 0.00 to 600.00 MMBO  
Entire range is from 6.67 to 699.97 MMBO  
After 50,000 trials, the standard error of the mean is 0.62

Statistics:	Value
Trials	50000
Mean	200.66
Median	161.73
Mode	---
Standard Deviation	138.80
Variance	19,266.71
Skewness	1.27
Kurtosis	4.25
Coefficient of Variability	0.69
Range Minimum	6.67
Range Maximum	699.97
Range Width	693.30
Mean Standard Error	0.62





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

Percentiles:

<u>Percentile</u>	<u>MMBO</u>
100%	6.67
95%	46.98
90%	62.66
85%	75.55
80%	87.13
75%	98.53
70%	109.89
65%	122.01
60%	134.45
55%	147.69
50%	161.73
45%	177.46
40%	194.95
35%	214.84
30%	237.16
25%	263.84
20%	297.04
15%	341.74
10%	404.51
5%	500.43
0%	699.97

End of Forecast

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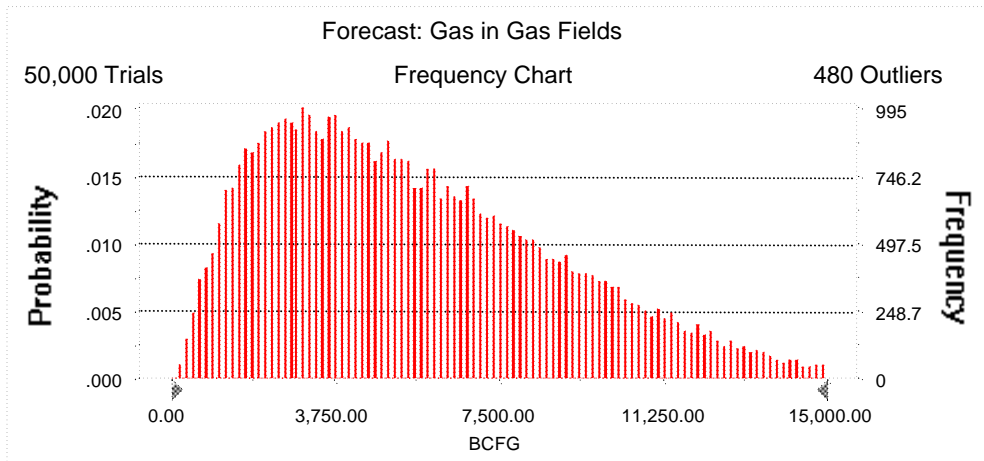
**Forecast: Gas in Gas Fields**

Summary:

Display range is from 0.00 to 15,000.00 BCFG  
 Entire range is from 113.06 to 24,480.95 BCFG  
 After 50,000 trials, the standard error of the mean is 15.07

Statistics:

	<u>Value</u>
Trials	50000
Mean	5,650.39
Median	5,063.77
Mode	---
Standard Deviation	3,370.47
Variance	11,360,071.38
Skewness	0.78
Kurtosis	3.28
Coefficient of Variability	0.60
Range Minimum	113.06
Range Maximum	24,480.95
Range Width	24,367.89
Mean Standard Error	15.07



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

Percentiles:

<u>Percentile</u>	<u>BCFG</u>
100%	113.06
95%	1,255.70
90%	1,757.76
85%	2,187.18
80%	2,591.58
75%	2,988.83
70%	3,376.53
65%	3,781.73
60%	4,184.27
55%	4,613.50
50%	5,063.77
45%	5,525.09
40%	6,032.97
35%	6,569.69
30%	7,132.23
25%	7,770.56
20%	8,484.42
15%	9,363.27
10%	10,403.40
5%	12,000.37
0%	24,480.95

End of Forecast

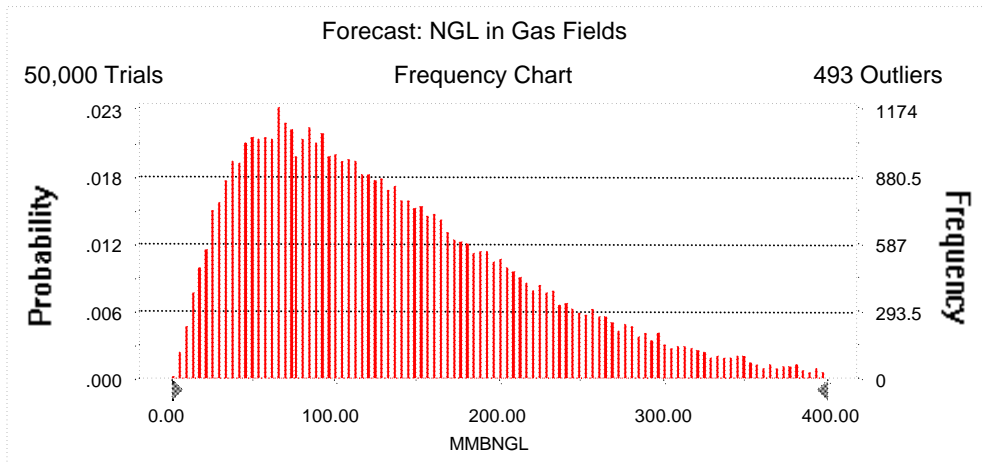
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**Forecast: NGL in Gas Fields**

Summary:

Display range is from 0.00 to 400.00 MMBNGL  
 Entire range is from 2.03 to 728.44 MMBNGL  
 After 50,000 trials, the standard error of the mean is 0.39

Statistics:	<u>Value</u>
Trials	50000
Mean	135.71
Median	117.83
Mode	---
Standard Deviation	87.30
Variance	7,621.68
Skewness	1.04
Kurtosis	4.17
Coefficient of Variability	0.64
Range Minimum	2.03
Range Maximum	728.44
Range Width	726.42
Mean Standard Error	0.39



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

Percentiles:

<u>Percentile</u>	<u>MMBNGL</u>
100%	2.03
95%	27.98
90%	39.66
85%	49.76
80%	59.31
75%	68.37
70%	77.58
65%	87.25
60%	96.92
55%	107.32
50%	117.83
45%	129.23
40%	141.29
35%	154.47
30%	168.61
25%	185.24
20%	203.99
15%	226.80
10%	257.54
5%	302.97
0%	728.44

End of Forecast

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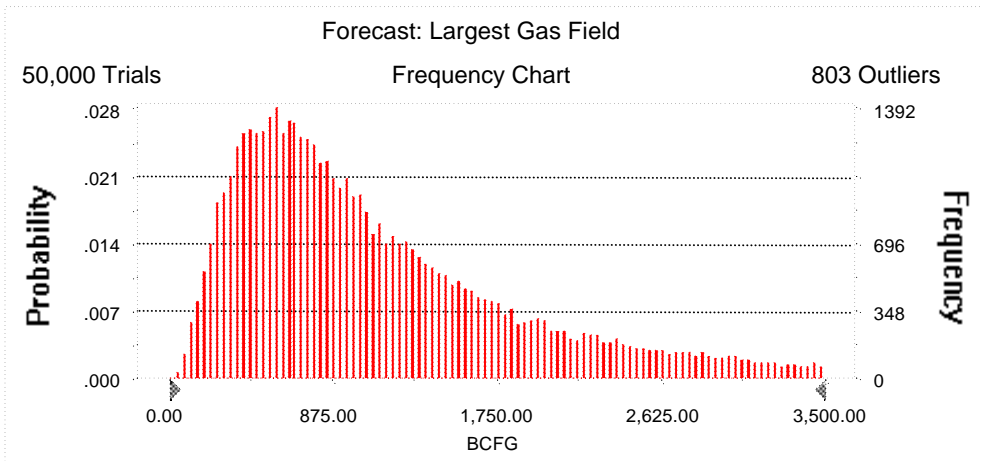
**Forecast: Largest Gas Field**

Summary:

Display range is from 0.00 to 3,500.00 BCFG  
 Entire range is from 30.54 to 3,999.45 BCFG  
 After 50,000 trials, the standard error of the mean is 3.55

Statistics:

	<u>Value</u>
Trials	50000
Mean	1,138.08
Median	914.08
Mode	---
Standard Deviation	793.32
Variance	629,363.82
Skewness	1.27
Kurtosis	4.29
Coefficient of Variability	0.70
Range Minimum	30.54
Range Maximum	3,999.45
Range Width	3,968.91
Mean Standard Error	3.55



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

Percentiles:

<u>Percentile</u>	<u>BCFG</u>
100%	30.54
95%	260.40
90%	349.67
85%	420.83
80%	489.43
75%	556.38
70%	621.86
65%	688.45
60%	758.90
55%	833.36
50%	914.08
45%	1,003.08
40%	1,102.30
35%	1,219.96
30%	1,350.56
25%	1,502.86
20%	1,691.49
15%	1,945.19
10%	2,296.13
5%	2,846.08
0%	3,999.45

End of Forecast

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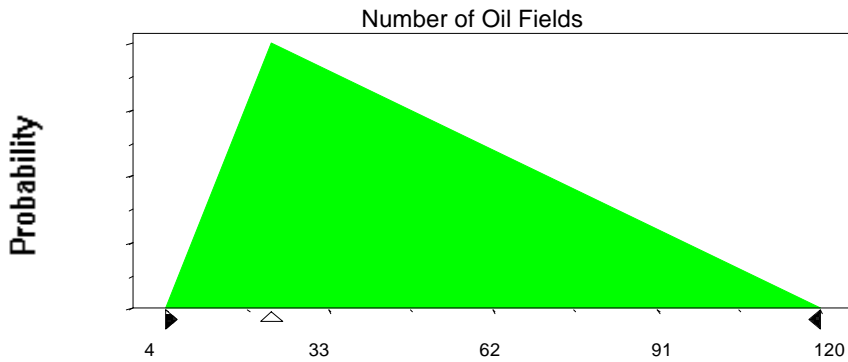
**Assumptions**

**Assumption: Number of Oil Fields**

Triangular distribution with parameters:

Minimum	4
Likeliest	23
Maximum	120

Selected range is from 4 to 120  
Mean value in simulation was 49



**Assumption: Sizes of Oil Fields**

Lognormal distribution with parameters:

Mean	19.62
Standard Deviation	61.08

Shifted parameters

21.62
61.08

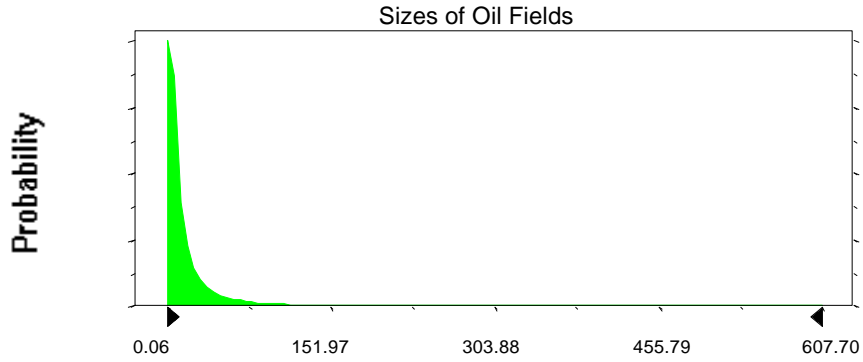
Selected range is from 0.00 to 698.00  
Mean value in simulation was 18.58

2.00 to 700.00  
20.58



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**Assumption: Sizes of Oil Fields (cont'd)**



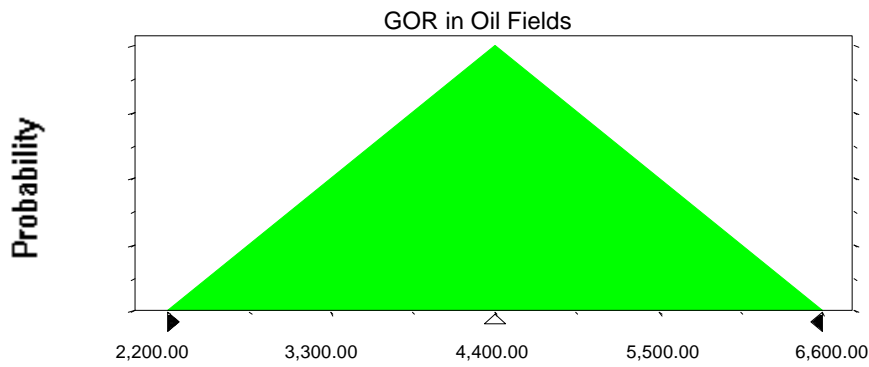
**Assumption: GOR in Oil Fields**

Triangular distribution with parameters:

Minimum	2,200.00
Likeliest	4,400.00
Maximum	6,600.00

Selected range is from 2,200.00 to 6,600.00

Mean value in simulation was 4,399.19



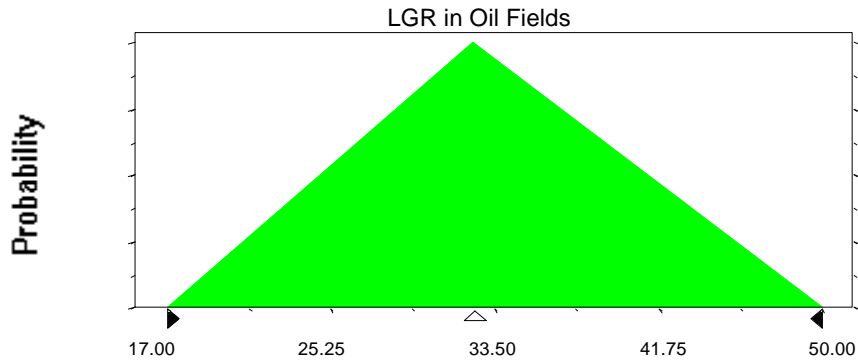
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**Assumption: LGR in Oil Fields**

Triangular distribution with parameters:

Minimum	17.00
Likeliest	32.48
Maximum	50.00

Selected range is from 17.00 to 50.00  
Mean value in simulation was 33.16



**Assumption: Number of Gas Fields**

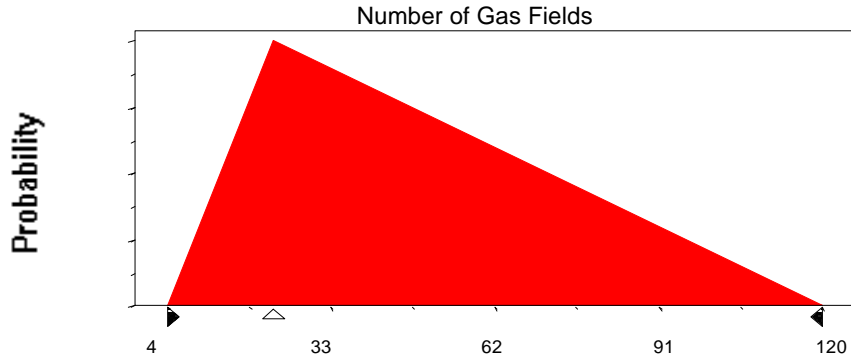
Triangular distribution with parameters:

Minimum	4
Likeliest	23
Maximum	120

Selected range is from 4 to 120  
Mean value in simulation was 49

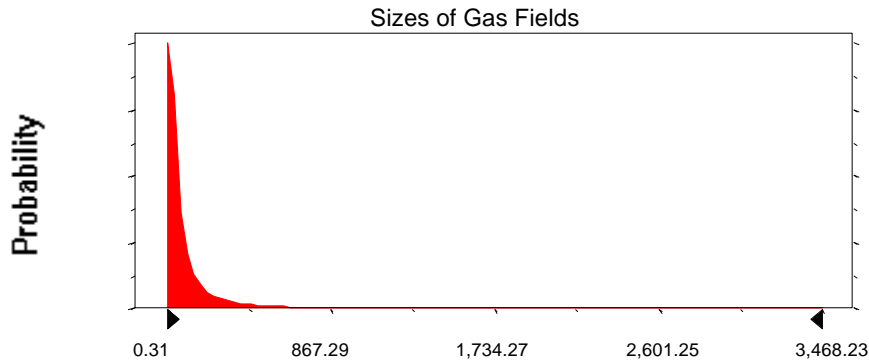
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**Assumption: Number of Gas Fields (cont'd)**



**Assumption: Sizes of Gas Fields**

Lognormal distribution with parameters:		Shifted parameters
Mean	109.98	121.98
Standard Deviation	349.63	349.63
Selected range is from 0.00 to 3,988.00		12.00 to 4,000.00
Mean value in simulation was 104.06		116.06



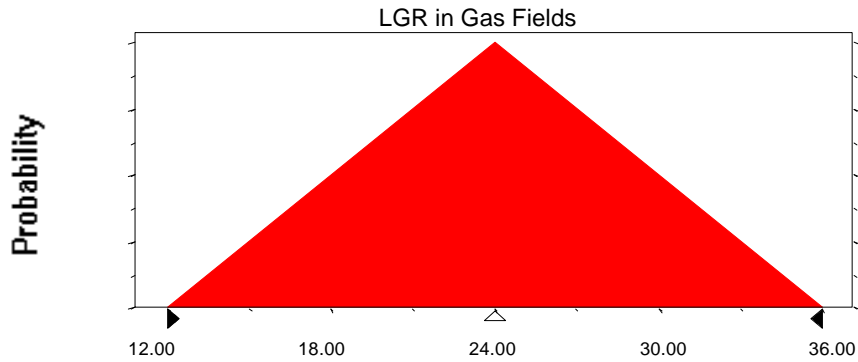
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**Assumption: LGR in Gas Fields**

Triangular distribution with parameters:

Minimum	12.00
Likeliest	24.00
Maximum	36.00

Selected range is from 12.00 to 36.00  
Mean value in simulation was 24.00



End of Assumptions

Simulation started on 10/7/99 at 14:57:23  
Simulation stopped on 10/7/99 at 15:53:17