Tarim Basin Excluding Marginal Foldbelts, Assessment Unit 31540101
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]

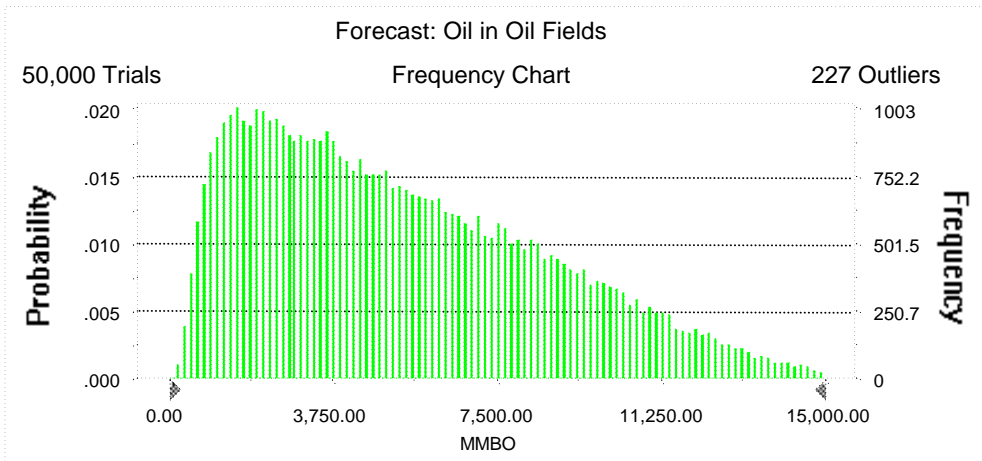| Field Type | MFS | Prob. (0-1) | Undiscovered Resources | | | | | | | | | | | | Largest Undiscovered Field (MMBO or BCFG) | | | |
			Oil (MMBO)				Gas (BCFG)				NGL (MMBNGL)							
			F95	F50	F5	Mean	F95	F50	F5	Mean	F95	F50	F5	Mean	F95	F50	F5	Mean
Oil Fields	10	1.00	1,001	4,759	11,680	5,364	2,859	13,812	37,126	16,098	203	1,003	2,898	1,207	210	628	1,555	717
Gas Fields	60						5,450	22,500	54,397	25,357	253	1,091	2,888	1,270	1,148	3,401	8,889	3,965
Total		1.00	1,001	4,759	11,680	5,364	8,309	36,312	91,522	41,454	456	2,094	5,786	2,478				

Forecast: Oil in Oil Fields

Summary:

Display range is from 0.00 to 15,000.00 MMBO
Entire range is from 153.11 to 19,097.64 MMBO
After 50,000 trials, the standard error of the mean is 15.11

Statistics:	Value
Trials	50000
Mean	5,363.79
Median	4,758.52
Mode	---
Standard Deviation	3,378.42
Variance	11,413,689.47
Skewness	0.67
Kurtosis	2.76
Coefficient of Variability	0.63
Range Minimum	153.11
Range Maximum	19,097.64
Range Width	18,944.53
Mean Standard Error	15.11

Forecast: Oil in Oil Fields
50,000 Trials   Frequency Chart   227 Outliers

Forecast: Oil in Oil Fields (cont'd)

Percentiles:

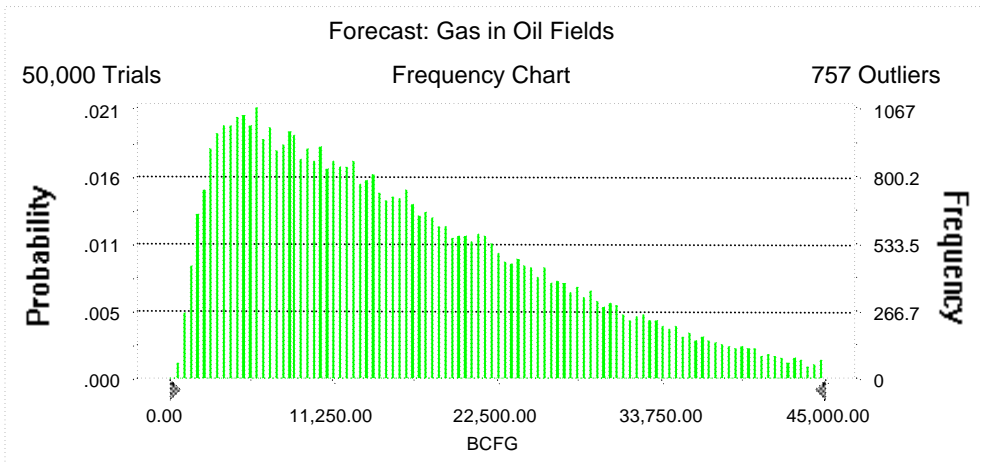| Percentile	MMBO
100%	153.11
95%	1,001.48
90%	1,410.61
85%	1,794.09
80%	2,177.24
75%	2,563.53
70%	2,979.44
65%	3,400.51
60%	3,821.26
55%	4,276.85
50%	4,758.52
45%	5,259.31
40%	5,797.64
35%	6,366.02
30%	7,004.05
25%	7,668.97
20%	8,399.13
15%	9,232.02
10%	10,258.38
5%	11,679.52
0%	19,097.64

End of Forecast

Forecast: Gas in Oil Fields

Summary:
    Display range is from 0.00 to 45,000.00 BCFG
    Entire range is from 342.01 to 72,651.31 BCFG
    After 50,000 trials, the standard error of the mean is 48.64

Statistics:	Value
Trials	50000
Mean	16,097.51
Median	13,812.47
Mode	---
Standard Deviation	10,875.17
Variance	118,269,347.72
Skewness	0.94
Kurtosis	3.59
Coefficient of Variability	0.68
Range Minimum	342.01
Range Maximum	72,651.31
Range Width	72,309.30
Mean Standard Error	48.64

Forecast: Gas in Oil Fields

Forecast: Gas in Oil Fields (cont'd)

Percentiles:

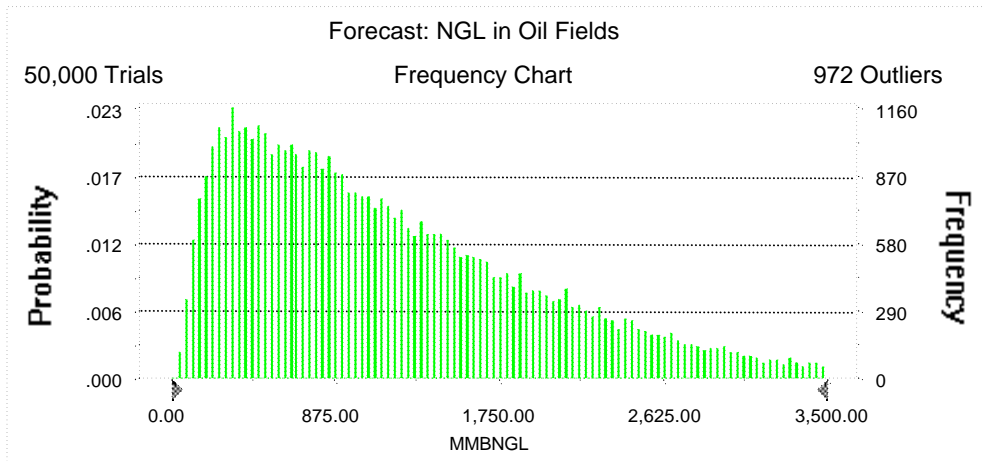| Percentile	BCFG
100%	342.01
95%	2,858.90
90%	4,023.04
85%	5,122.94
80%	6,217.17
75%	7,395.30
70%	8,580.80
65%	9,812.57
60%	11,072.06
55%	12,408.34
50%	13,812.47
45%	15,311.24
40%	16,867.25
35%	18,599.94
30%	20,567.20
25%	22,600.03
20%	25,053.21
15%	27,937.04
10%	31,578.34
5%	37,125.67
0%	72,651.31

End of Forecast

Forecast: NGL in Oil Fields

Summary:
Display range is from 0.00 to 3,500.00 MMBNGL
Entire range is from 24.19 to 6,688.04 MMBNGL
After 50,000 trials, the standard error of the mean is 3.88

Statistics:	Value
Trials	50000
Mean	1,207.32
Median	1,002.99
Mode	---
Standard Deviation	866.50
Variance	750,823.49
Skewness	1.18
Kurtosis	4.55
Coefficient of Variability	0.72
Range Minimum	24.19
Range Maximum	6,688.04
Range Width	6,663.85
Mean Standard Error	3.88

Forecast: NGL in Oil Fields

50,000 Trials   Frequency Chart   972 Outliers

Forecast: NGL in Oil Fields (cont'd)

Percentiles:

Percentile	MMBNGL
100%	24.19
95%	202.82
90%	286.97
85%	367.10
80%	450.18
75%	533.64
70%	622.48
65%	712.73
60%	803.76
55%	898.92
50%	1,002.99
45%	1,117.52
40%	1,237.26
35%	1,369.24
30%	1,511.98
25%	1,678.42
20%	1,874.13
15%	2,111.38
10%	2,419.23
5%	2,898.20
0%	6,688.04

End of Forecast

Forecast: Largest Oil Field

Summary:
Display range is from 0.00 to 2,000.00 MMBO
Entire range is from 31.08 to 1,999.35 MMBO
After 50,000 trials, the standard error of the mean is 1.81

Statistics:	Value
Trials	50000
Mean	717.50
Median	628.44
Mode	---
Standard Deviation	405.41
Variance	164,356.32
Skewness	0.93
Kurtosis	3.37
Coefficient of Variability	0.57
Range Minimum	31.08
Range Maximum	1,999.35
Range Width	1,968.27
Mean Standard Error	1.81
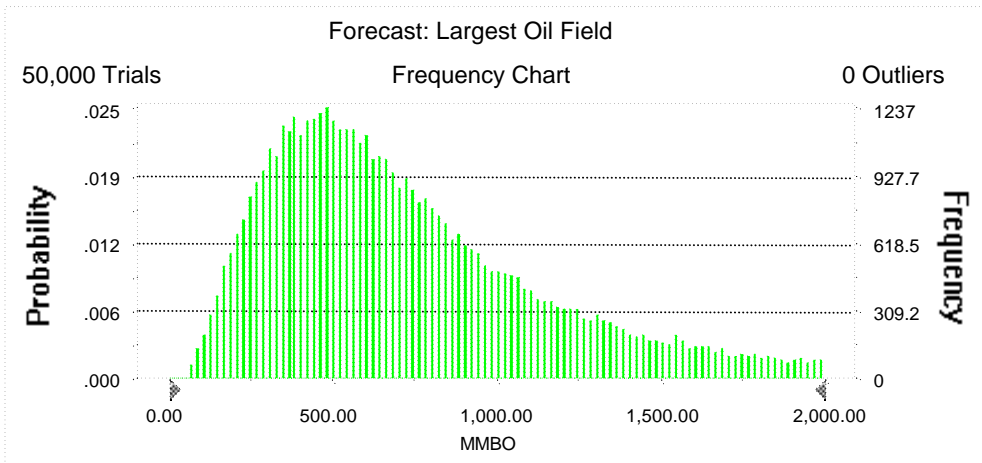
Forecast: Largest Oil Field

50,000 Trials   Frequency Chart   0 Outliers

Forecast: Largest Oil Field (cont'd)

Percentiles:

Percentile	MMBO
100%	31.08
95%	209.61
90%	273.65
85%	323.38
80%	368.50
75%	412.11
70%	454.51
65%	495.95
60%	538.30
55%	582.06
50%	628.44
45%	677.62
40%	732.60
35%	791.40
30%	858.19
25%	937.73
20%	1,034.73
15%	1,155.15
10%	1,315.01
5%	1,554.73
0%	1,999.35

End of Forecast

Forecast: Gas in Gas Fields

Summary:
> Display range is from 0.00 to 70,000.00 BCFG
> Entire range is from 796.02 to 97,917.40 BCFG
> After 50,000 trials, the standard error of the mean is 69.15

Statistics:	Value
Trials	50000
Mean	25,356.94
Median	22,499.93
Mode	---
Standard Deviation	15,462.70
Variance	239,095,176.84
Skewness	0.70
Kurtosis	2.89
Coefficient of Variability	0.61
Range Minimum	796.02
Range Maximum	97,917.40
Range Width	97,121.38
Mean Standard Error	69.15
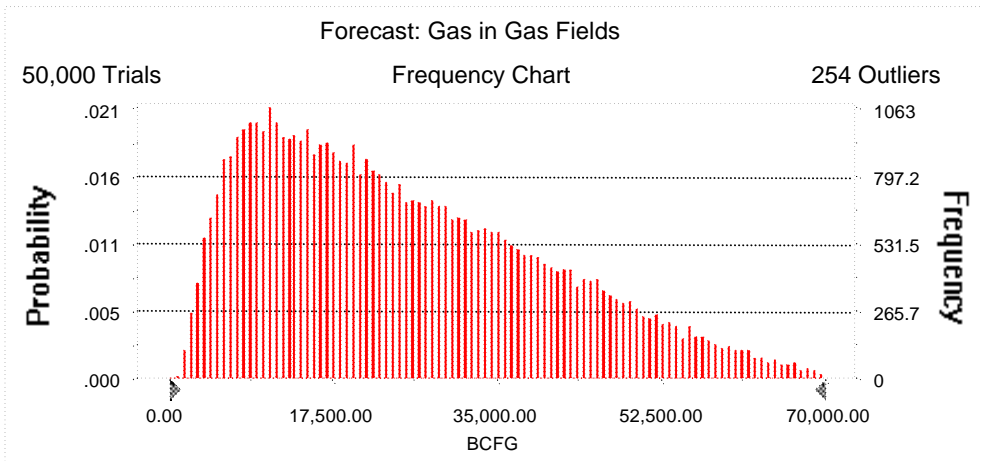
Forecast: Gas in Gas Fields

Forecast: Gas in Gas Fields (cont'd)

Percentiles:

Percentile	BCFG
100%	796.02
95%	5,449.76
90%	7,422.71
85%	9,222.23
80%	10,919.42
75%	12,719.93
70%	14,564.92
65%	16,441.97
60%	18,378.09
55%	20,378.64
50%	22,499.93
45%	24,771.19
40%	27,248.82
35%	29,803.29
30%	32,621.04
25%	35,611.16
20%	39,025.98
15%	42,941.34
10%	47,626.94
5%	54,396.58
0%	97,917.40

End of Forecast

Forecast: NGL in Gas Fields

Summary:
Display range is from 0.00 to 3,500.00 MMBNGL
Entire range is from 34.88 to 6,377.37 MMBNGL
After 50,000 trials, the standard error of the mean is 3.73

Statistics:	Value
Trials	50000
Mean	1,270.40
Median	1,090.74
Mode	---
Standard Deviation	833.24
Variance	694,283.28
Skewness	0.97
Kurtosis	3.76
Coefficient of Variability	0.66
Range Minimum	34.88
Range Maximum	6,377.37
Range Width	6,342.49
Mean Standard Error	3.73
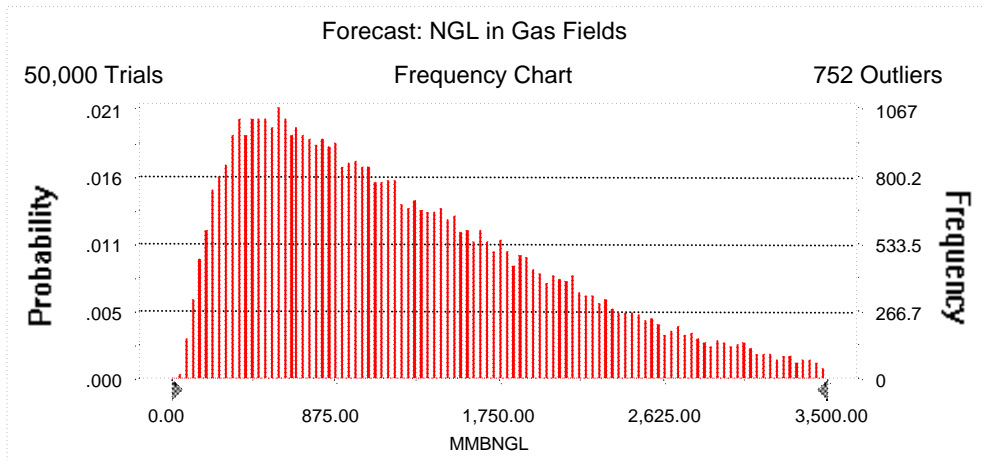
Forecast: NGL in Gas Fields

Forecast: NGL in Gas Fields (cont'd)

Percentiles:

Percentile	MMBNGL
100%	34.88
95%	252.75
90%	352.94
85%	440.79
80%	526.17
75%	610.60
70%	699.90
65%	792.05
60%	884.60
55%	987.34
50%	1,090.74
45%	1,203.23
40%	1,327.78
35%	1,459.28
30%	1,603.03
25%	1,762.71
20%	1,946.11
15%	2,162.85
10%	2,450.49
5%	2,887.63
0%	6,377.37

End of Forecast

Forecast: Largest Gas Field

Summary:
    Display range is from 0.00 to 11,000.00 BCFG
    Entire range is from 205.01 to 11,997.26 BCFG
    After 50,000 trials, the standard error of the mean is 10.48

Statistics:	Value
Trials	50000
Mean	3,965.42
Median	3,401.02
Mode	---
Standard Deviation	2,343.68
Variance	5,492,842.29
Skewness	1.08
Kurtosis	3.80
Coefficient of Variability	0.59
Range Minimum	205.01
Range Maximum	11,997.26
Range Width	11,792.25
Mean Standard Error	10.48
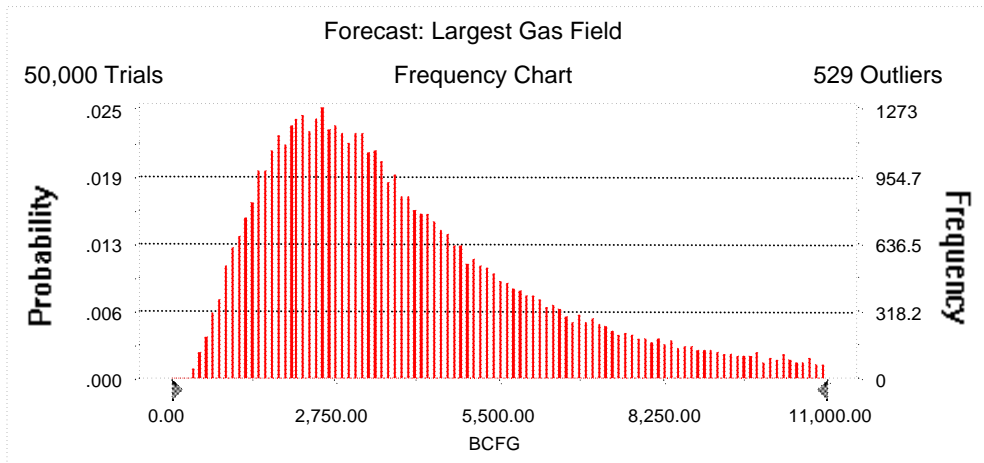
Forecast: Largest Gas Field

Forecast: Largest Gas Field (cont'd)

Percentiles:

Percentile	BCFG
100%	205.01
95%	1,148.31
90%	1,486.31
85%	1,759.98
80%	2,001.63
75%	2,232.21
70%	2,458.31
65%	2,677.72
60%	2,913.95
55%	3,154.21
50%	3,401.02
45%	3,666.95
40%	3,969.57
35%	4,311.42
30%	4,687.45
25%	5,146.22
20%	5,698.48
15%	6,410.98
10%	7,370.34
5%	8,889.11
0%	11,997.26

End of Forecast

Assumptions

Assumption: Number of Oil Fields

Triangular distribution with parameters:
Minimum	5
Likeliest	12
Maximum	150

Selected range is from 5 to 150
Mean value in simulation was 56

Number of Oil Fields
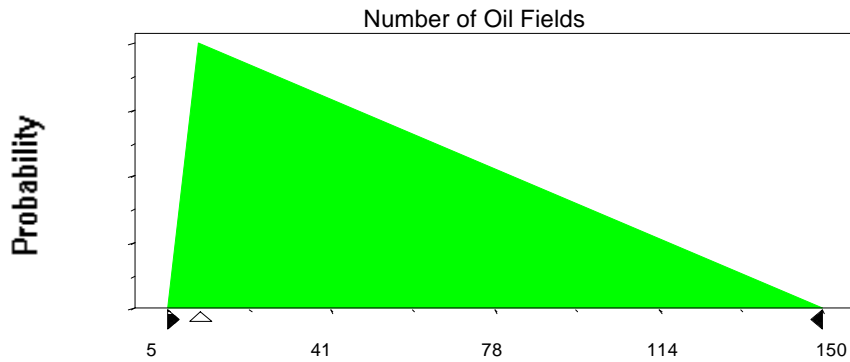
Assumption: Sizes of Oil Fields

Lognormal distribution with parameters:		Shifted parameters	
Mean	88.96		98.96
Standard Deviation	176.74		176.74

Selected range is from 0.00 to 1,990.00		10.00 to 2,000.00	
Mean value in simulation was 85.03		95.03	

Assumption: Sizes of Oil Fields (cont'd)

Sizes of Oil Fields

0.90	444.66	888.43	1,332.19	1,775.95
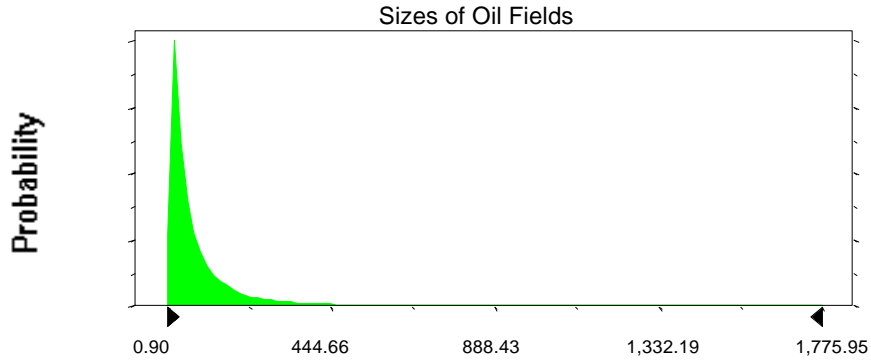
Assumption: GOR in Oil Fields

Triangular distribution with parameters:
Minimum	1,500.00
Likeliest	3,000.00
Maximum	4,500.00

Selected range is from 1,500.00 to 4,500.00
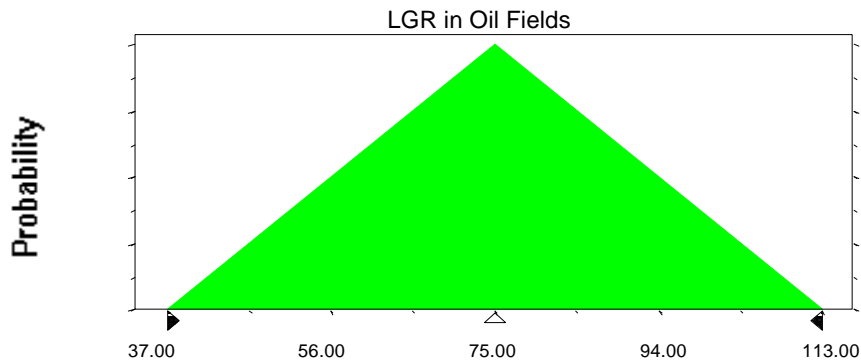Mean value in simulation was 3,000.91
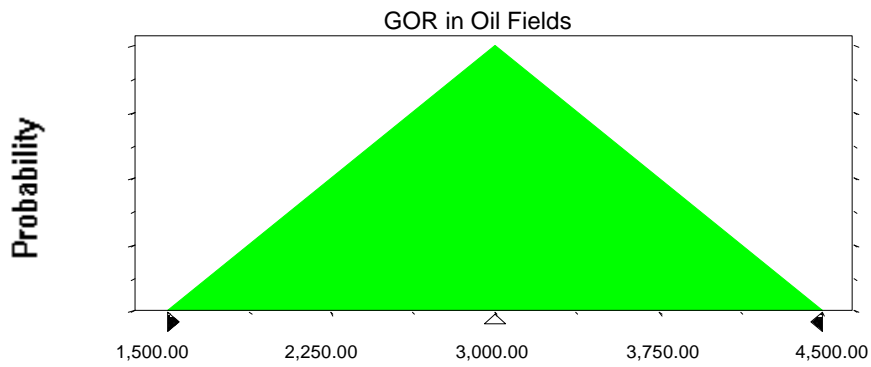
GOR in Oil Fields

1,500.00	2,250.00	3,000.00	3,750.00	4,500.00

Assumption: LGR in Oil Fields

Triangular distribution with parameters:
Minimum	37.00
Likeliest	75.00
Maximum	113.00

Selected range is from 37.00 to 113.00
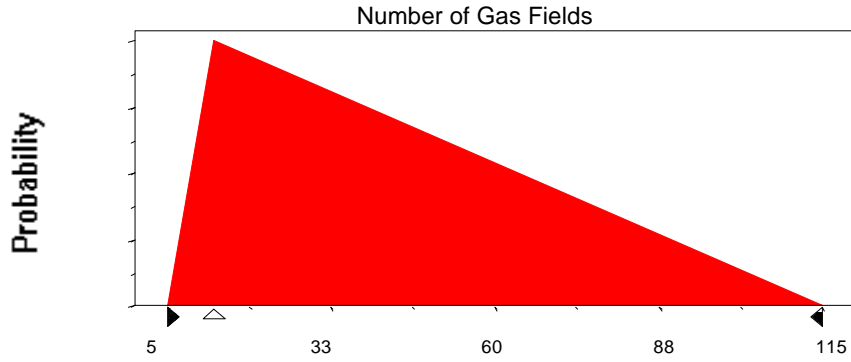Mean value in simulation was 75.09

LGR in Oil Fields

Assumption: Number of Gas Fields

Triangular distribution with parameters:
Minimum	5
Likeliest	13
Maximum	115

Selected range is from 5 to 115
Mean value in simulation was 44

Assumption: Number of Gas Fields (cont'd)

Number of Gas Fields

Assumption: Sizes of Gas Fields

Lognormal distribution with parameters:		Shifted parameters	
Mean	533.79		593.79
Standard Deviation	1,060.44		1,060.44

Selected range is from 0.00 to 11,940.00   60.00 to 12,000.00
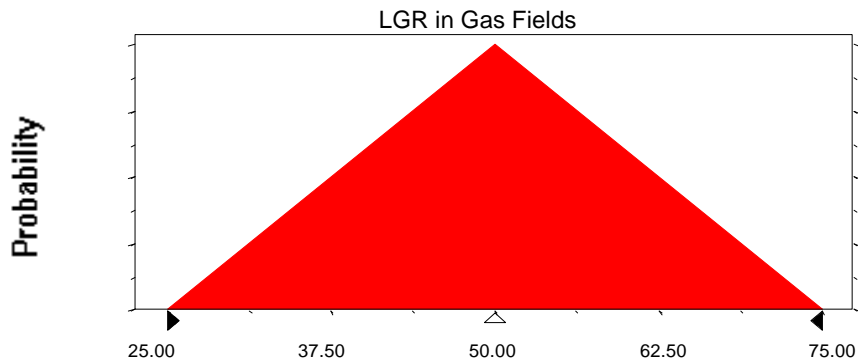Mean value in simulation was 521.90   581.9
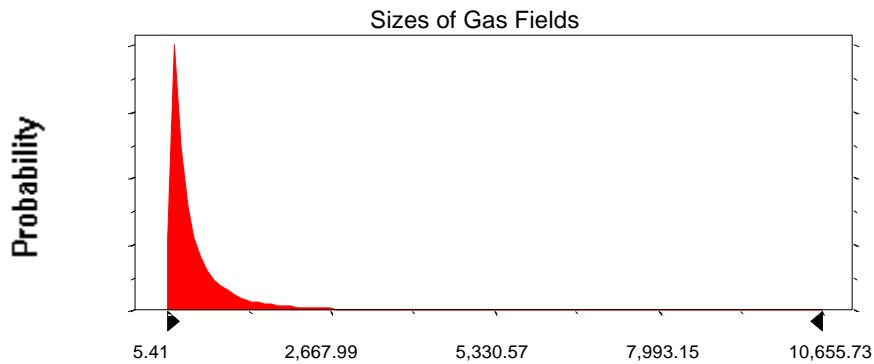
Sizes of Gas Fields

Assumption: LGR in Gas Fields

Triangular distribution with parameters:

Minimum	25.00
Likeliest	50.00
Maximum	75.00

Selected range is from 25.00 to 75.00
Mean value in simulation was 50.08

LGR in Gas Fields

End of Assumptions

Simulation started on 11/18/99 at 13:14:02
Simulation stopped on 11/18/99 at 14:14:28