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Tamaulipas-Like Basinal Limestone and Tertiary Strata Without Underlying Evaporites, Assessment Unit 53050105
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	1	1.00	88	321	793	366	182	687	1,827	804	10	40	113	48	22	78	300	107
Gas Fields	6						0	0	0	0	0	0	0	0	NA	NA	NA	NA
Total		1.00	88	321	793	366	182	687	1,827	804	10	40	113	48				

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Eclipas-Like Basinal Limestone and Tertiary Strata Without Underlying Evaporites

Monte Carlo Results

Forecast: Oil in Oil Fields

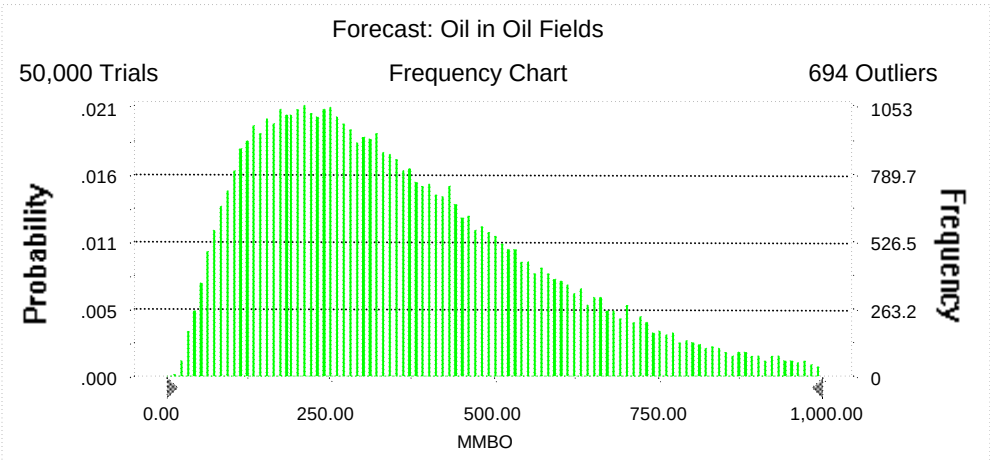
Summary:

Display range is from 0.00 to 1,000.00 MMBO

Entire range is from 8.69 to 2,006.00 MMBO

After 50,000 trials, the standard error of the mean is 1.00

Statistics:	Value
Trials	50000
Mean	365.51
Median	321.08
Mode	---
Standard Deviation	223.93
Variance	50,145.32
Skewness	1.10
Kurtosis	4.55
Coefficient of Variability	0.61
Range Minimum	8.69
Range Maximum	2,006.00
Range Width	1,997.30
Mean Standard Error	1.00



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Eclipas-Like Basinal Limestone and Tertiary Strata Without Underlying Evaporites

Monte Carlo Results

Forecast: Oil in Oil Fields (cont'd)

Percentiles:

Percentile	MMBO
100%	8.69
95%	88.44
90%	119.78
85%	146.02
80%	171.31
75%	195.58
70%	219.63
65%	244.32
60%	268.29
55%	293.89
50%	321.08
45%	348.72
40%	379.29
35%	412.76
30%	448.22
25%	489.55
20%	536.70
15%	595.16
10%	671.79
5%	793.08
0%	2,006.00

End of Forecast

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Eclipas-Like Basinal Limestone and Tertiary Strata Without Underlying Evaporites

Monte Carlo Results

Forecast: Gas in Oil Fields

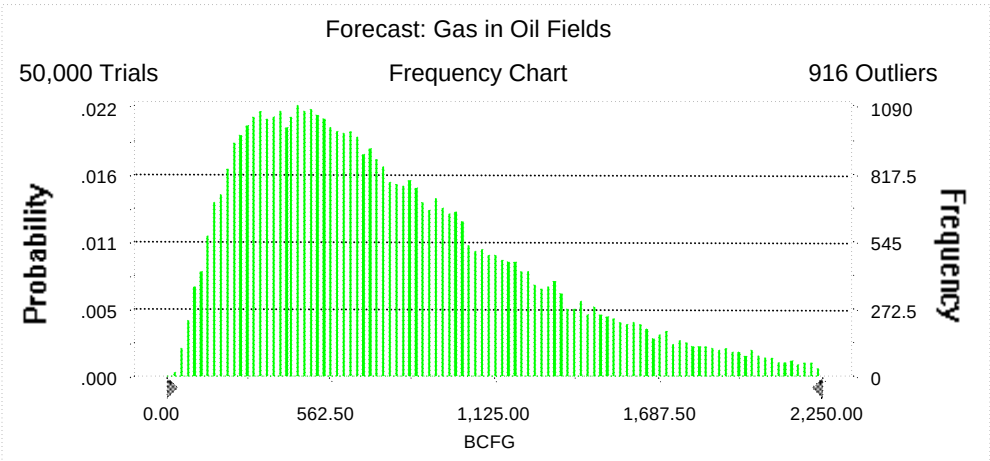
Summary:

Display range is from 0.00 to 2,250.00 BCFG

Entire range is from 19.71 to 6,310.28 BCFG

After 50,000 trials, the standard error of the mean is 2.35

Statistics:	Value
Trials	50000
Mean	803.98
Median	687.17
Mode	---
Standard Deviation	526.47
Variance	277,167.13
Skewness	1.31
Kurtosis	5.54
Coefficient of Variability	0.65
Range Minimum	19.71
Range Maximum	6,310.28
Range Width	6,290.57
Mean Standard Error	2.35



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Eclipas-Like Basinal Limestone and Tertiary Strata Without Underlying Evaporites

Monte Carlo Results

Forecast: Gas in Oil Fields (cont'd)

Percentiles:

Percentile	BCFG
100%	19.71
95%	182.50
90%	248.83
85%	305.04
80%	358.05
75%	411.47
70%	464.96
65%	517.61
60%	571.21
55%	628.87
50%	687.17
45%	750.82
40%	820.94
35%	895.20
30%	976.14
25%	1,071.59
20%	1,187.11
15%	1,325.32
10%	1,518.13
5%	1,826.79
0%	6,310.28

End of Forecast

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Eclipas-Like Basinal Limestone and Tertiary Strata Without Underlying Evaporites

Monte Carlo Results

Forecast: NGL in Oil Fields

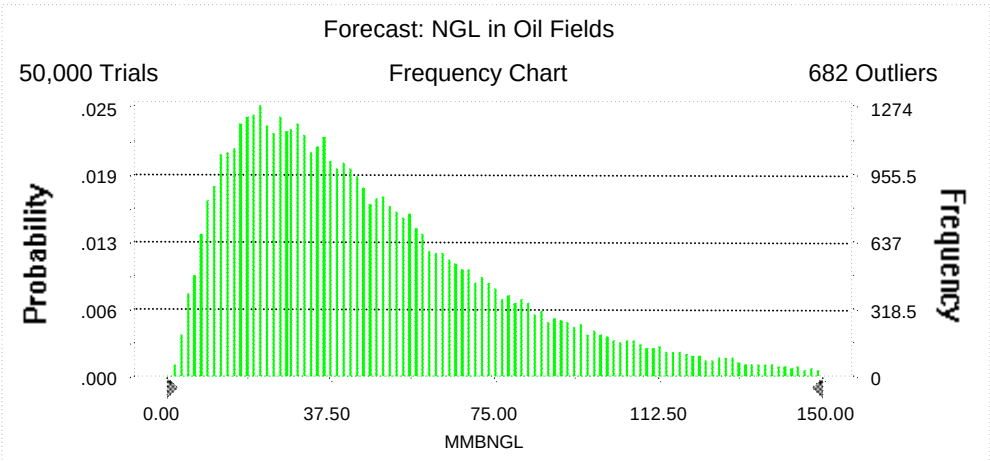
Summary:

Display range is from 0.00 to 150.00 MMBNGL

Entire range is from 1.24 to 333.75 MMBNGL

After 50,000 trials, the standard error of the mean is 0.15

Statistics:	Value
Trials	50000
Mean	48.14
Median	40.33
Mode	---
Standard Deviation	33.44
Variance	1,118.03
Skewness	1.51
Kurtosis	6.50
Coefficient of Variability	0.69
Range Minimum	1.24
Range Maximum	333.75
Range Width	332.51
Mean Standard Error	0.15



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Eclipas-Like Basinal Limestone and Tertiary Strata Without Underlying Evaporites

Monte Carlo Results

Forecast: NGL in Oil Fields (cont'd)

Percentiles:

Percentile	MMBNGL
100%	1.24
95%	10.27
90%	14.13
85%	17.49
80%	20.53
75%	23.55
70%	26.78
65%	29.94
60%	33.14
55%	36.63
50%	40.33
45%	44.07
40%	48.38
35%	52.88
30%	57.97
25%	63.95
20%	71.22
15%	80.23
10%	92.80
5%	113.20
0%	333.75

End of Forecast

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Eclipas-Like Basinal Limestone and Tertiary Strata Without Underlying Evaporites

Monte Carlo Results

Forecast: Largest Oil Field

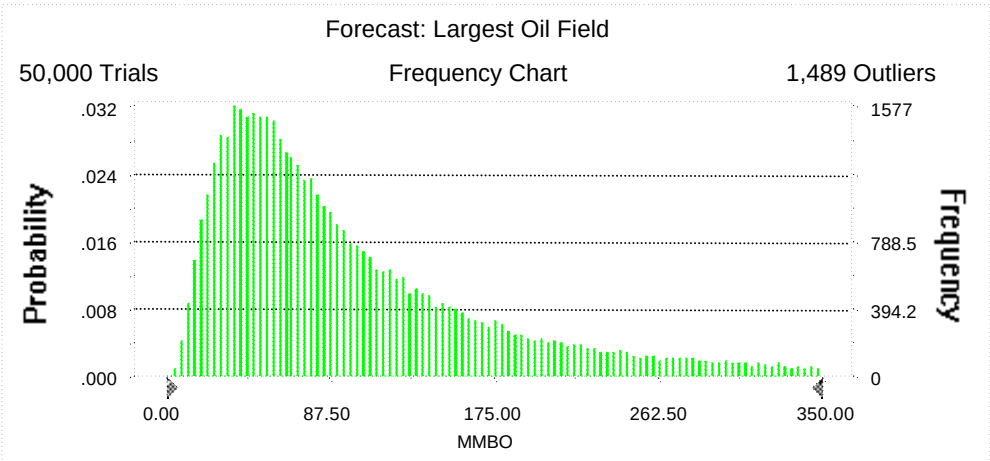
Summary:

Display range is from 0.00 to 350.00 MMBO

Entire range is from 2.04 to 499.76 MMBO

After 50,000 trials, the standard error of the mean is 0.39

Statistics:	Value
Trials	50000
Mean	106.90
Median	78.47
Mode	---
Standard Deviation	88.23
Variance	7,784.18
Skewness	1.76
Kurtosis	6.26
Coefficient of Variability	0.83
Range Minimum	2.04
Range Maximum	499.76
Range Width	497.73
Mean Standard Error	0.39



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Eocene Clipas-Like Basinal Limestone and Tertiary Strata Without Underlying Evaporites

Monte Carlo Results

Forecast: Largest Oil Field (cont'd)

Percentiles:

Percentile	MMBO
100%	2.04
95%	21.73
90%	28.98
85%	35.18
80%	40.79
75%	46.42
70%	52.18
65%	58.03
60%	64.29
55%	71.03
50%	78.47
45%	86.74
40%	96.27
35%	107.55
30%	121.14
25%	137.11
20%	157.25
15%	184.57
10%	226.41
5%	300.01
0%	499.76

End of Forecast

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Eocene Lipas-Like Basinal Limestone and Tertiary Strata Without Underlying Evaporites

Monte Carlo Results

Assumptions

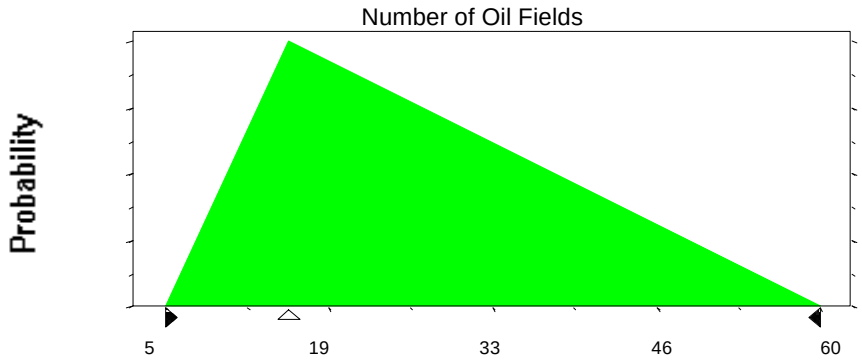
Assumption: Number of Oil Fields

Triangular distribution with parameters:

Minimum	5
Likeliest	15
Maximum	60

Selected range is from 5 to 60

Mean value in simulation was 27



Assumption: Sizes of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	13.55	14.55
Standard Deviation	43.83	43.83
Selected range is from 0.00 to 499.00		1.00 to 500.00
Mean value in simulation was 12.78		13.78

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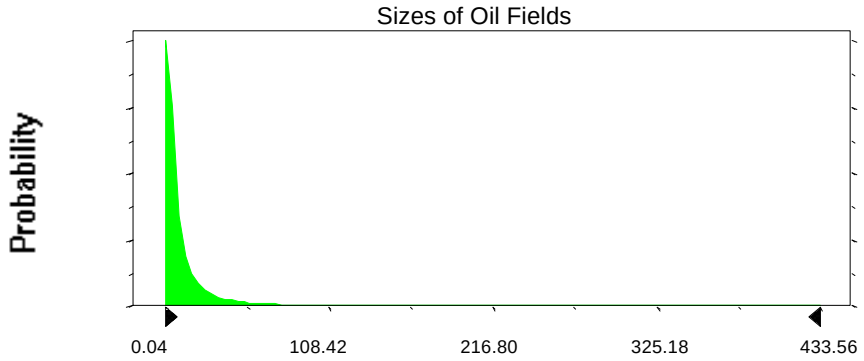
Eocene-Paleocene Clipas-Like Basinal Limestone and Tertiary Strata Without Underlying Evaporites

Monte Carlo Results

Assumption: Sizes of Oil Fields (cont'd)

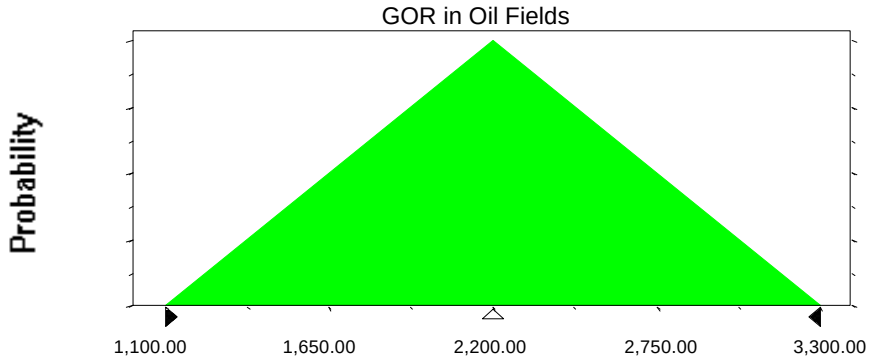


Assumption: GOR in Oil Fields

Triangular distribution with parameters:

Minimum	1,100.00
Likeliest	2,200.00
Maximum	3,300.00

Selected range is from 1,100.00 to 3,300.00
Mean value in simulation was 2,201.74



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Eocene Lipas-Like Basinal Limestone and Tertiary Strata Without Underlying Evaporites

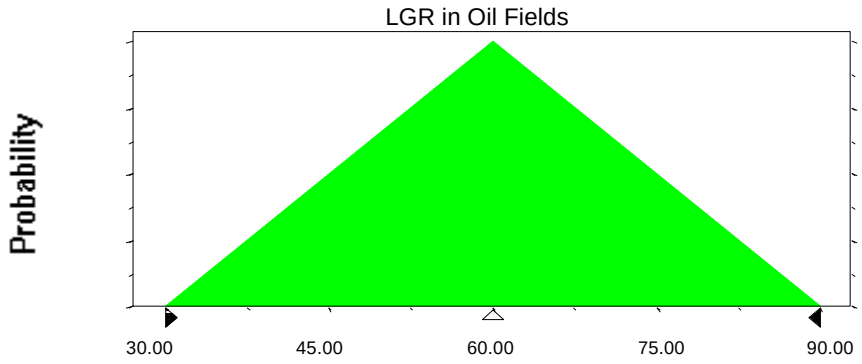
Monte Carlo Results

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 59.98



End of Assumptions

Simulation started on 12/1/99 at 17:19:26
Simulation stopped on 12/1/99 at 17:38:22