Tamabra-Like Debris-Flow-Breccia Limestone of the Golden Lane, Assessment Unit 53050104
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]

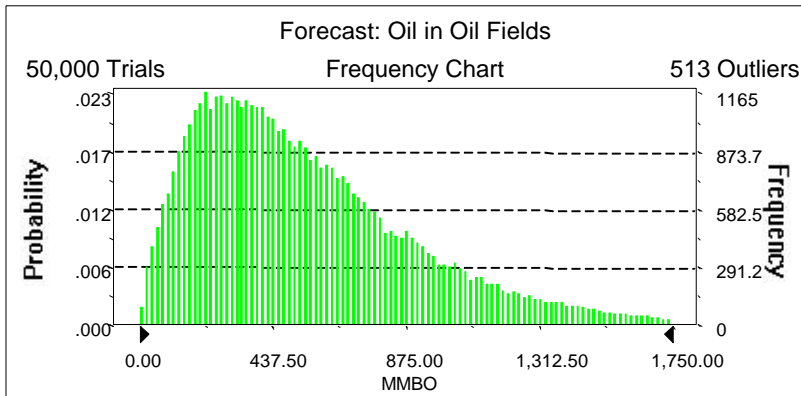| Field Type | MFS | Prob. (0-1) | Undiscovered Resources | | | | | | | | | | | | Largest Undiscovered Field (MMBO or BCFG) | | | |
			Oil (MMBO)				Gas (BCFG)				NGL (MMBNGL)							
			F95	F50	F5	Mean	F95	F50	F5	Mean	F95	F50	F5	Mean	F95	F50	F5	Mean
Oil Fields	1	1.00	104	476	1,291	557	197	925	2,670	1,113	11	54	167	67	29	131	564	188
Gas Fields	6						0	0	0	0	0	0	0	0	NA	NA	NA	NA
Total		1.00	104	476	1,291	557	197	925	2,670	1,113	11	54	167	67				

Forecast: Oil in Oil Fields

Summary:
    Display range is from 0.00 to 1,750.00 MMBO
    Entire range is from 3.29 to 3,237.46 MMBO
    After 50,000 trials, the standard error of the mean is 1.68

Statistics:	Value
Trials	50000
Mean	556.70
Median	476.29
Mode	---
Standard Deviation	376.45
Variance	141,713.84
Skewness	1.22
Kurtosis	4.98
Coefficient of Variability	0.68
Range Minimum	3.29
Range Maximum	3,237.46
Range Width	3,234.17
Mean Standard Error	1.68

Forecast: Oil in Oil Fields

50,000 Trials   Frequency Chart   513 Outliers

Forecast: Oil in Oil Fields (cont'd)

Percentiles:

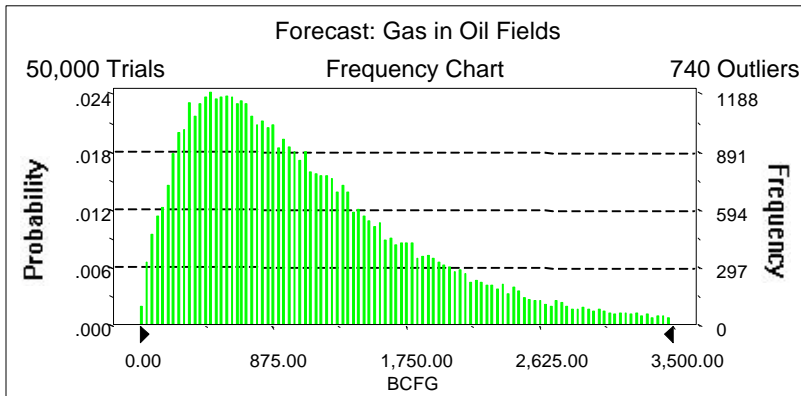| Percentile	MMBO
100%	3.29
95%	104.36
90%	155.39
85%	197.28
80%	235.79
75%	274.26
70%	313.00
65%	352.57
60%	392.26
55%	432.18
50%	476.29
45%	523.05
40%	572.76
35%	626.27
30%	683.82
25%	750.87
20%	833.25
15%	932.14
10%	1,067.76
5%	1,290.73
0%	3,237.46

End of Forecast

Forecast: Gas in Oil Fields

Summary:
Display range is from 0.00 to 3,500.00 BCFG
Entire range is from 5.34 to 7,598.99 BCFG
After 50,000 trials, the standard error of the mean is 3.59

Statistics:	Value
Trials	50000
Mean	1,113.12
Median	925.01
Mode	---
Standard Deviation	801.68
Variance	642,685.56
Skewness	1.45
Kurtosis	6.10
Coefficient of Variability	0.72
Range Minimum	5.34
Range Maximum	7,598.99
Range Width	7,593.65
Mean Standard Error	3.59

Forecast: Gas in Oil Fields

Forecast: Gas in Oil Fields (cont'd)

Percentiles:

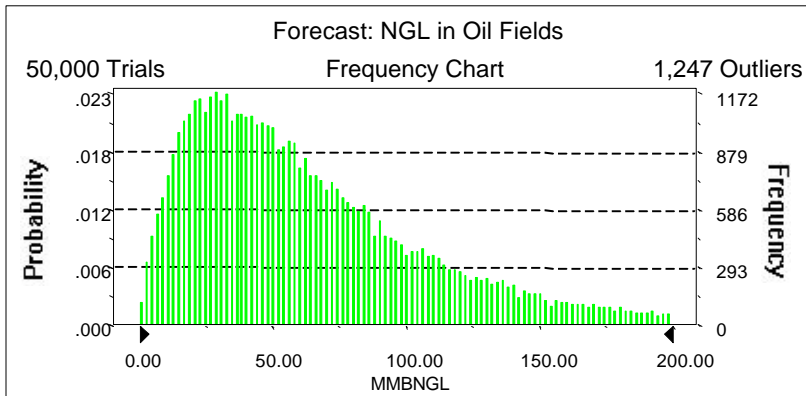| Percentile	BCFG
100%	5.34
95%	196.82
90%	293.26
85%	373.49
80%	450.53
75%	525.01
70%	599.11
65%	674.71
60%	753.22
55%	838.05
50%	925.01
45%	1,020.42
40%	1,119.83
35%	1,232.07
30%	1,352.29
25%	1,495.13
20%	1,669.93
15%	1,892.64
10%	2,179.79
5%	2,669.83
0%	7,598.99

End of Forecast

Forecast: NGL in Oil Fields

Summary:
Display range is from 0.00 to 200.00 MMBNGL
Entire range is from 0.30 to 617.98 MMBNGL
After 50,000 trials, the standard error of the mean is 0.23

Statistics:	Value
Trials	50000
Mean	66.84
Median	54.14
Mode	---
Standard Deviation	51.18
Variance	2,619.44
Skewness	1.71
Kurtosis	7.67
Coefficient of Variability	0.77
Range Minimum	0.30
Range Maximum	617.98
Range Width	617.68
Mean Standard Error	0.23

Forecast: NGL in Oil Fields (cont'd)

Percentiles:

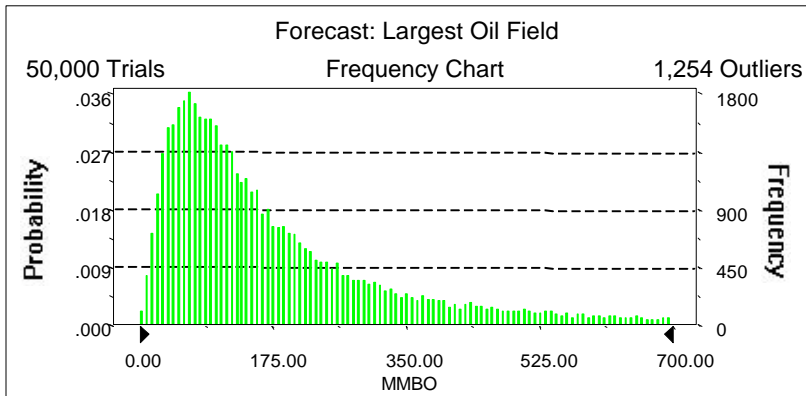| Percentile	MMBNGL
100%	0.30
95%	11.15
90%	16.69
85%	21.30
80%	25.80
75%	30.12
70%	34.51
65%	39.18
60%	43.99
55%	48.91
50%	54.14
45%	59.55
40%	65.79
35%	72.70
30%	80.22
25%	88.98
20%	100.06
15%	113.92
10%	133.66
5%	166.79
0%	617.98

End of Forecast

Forecast: Largest Oil Field

Summary:
  Display range is from 0.00 to 700.00 MMBO
  Entire range is from 1.86 to 999.82 MMBO
  After 50,000 trials, the standard error of the mean is 0.77

Statistics:	Value
Trials	50000
Mean	188.38
Median	131.19
Mode	---
Standard Deviation	172.62
Variance	29,798.71
Skewness	1.92
Kurtosis	7.01
Coefficient of Variability	0.92
Range Minimum	1.86
Range Maximum	999.82
Range Width	997.97
Mean Standard Error	0.77

Forecast: Largest Oil Field
50,000 Trials   Frequency Chart   1,254 Outliers

Forecast: Largest Oil Field (cont'd)

Percentiles:

| Percentile	MMBO
100%	1.86
95%	29.43
90%	41.58
85%	52.62
80%	62.60
75%	72.41
70%	83.17
65%	94.16
60%	105.24
55%	117.71
50%	131.19
45%	146.94
40%	164.43
35%	185.63
30%	209.59
25%	239.90
20%	279.25
15%	333.63
10%	418.60
5%	563.70
0%	999.82

End of Forecast

Assumptions

Assumption: Number of Oil Fields

Triangular distribution with parameters:
Minimum	2
Likeliest	18
Maximum	60

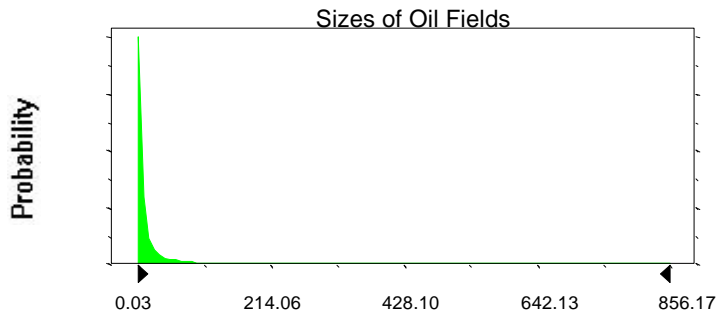Selected range is from 2 to 60
Mean value in simulation was 27

Number of Oil Fields
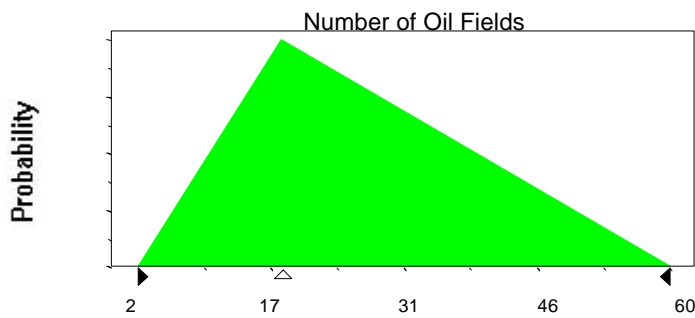
Assumption: Sizes of Oil Fields

Lognormal distribution with parameters:		Shifted parameters	
Mean	21.73		22.73
Standard Deviation	91.95		91.95
Selected range is from 0.00 to 999.00		1.00 to 1,000.00	
Mean value in simulation was 20.32		21.32	

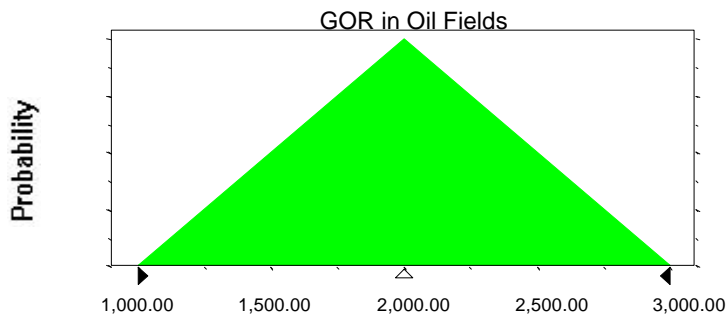**Assumption: Sizes of Oil Fields (cont'd)**

Sizes of Oil Fields

Assumption: GOR in Oil Fields

Triangular distribution with parameters:

Minimum	1,000.00
Likeliest	2,000.00
Maximum	3,000.00

Selected range is from 1,000.00 to 3,000.00
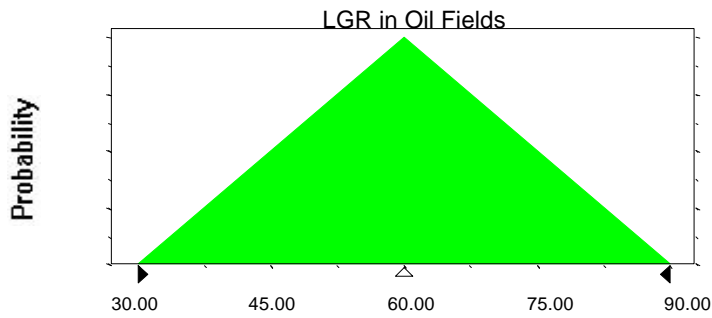Mean value in simulation was 1,999.49

GOR in Oil Fields

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 60.04

LGR in Oil Fields

End of Assumptions

Simulation started on 12/2/99 at 13:17:26
Simulation stopped on 12/2/99 at 13:37:44