Murgab Depression Suprasalt, Assessment Unit 11540103
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			
			Oil (MMBO)				Gas (BCFG)				NGL (MMBNGL)				(MMBO or BCFG)			
			F95	F50	F5	Mean	F95	F50	F5	Mean	F95	F50	F5	Mean	F95	F50	F5	Mean
Oil Fields	3	1.00	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA
Gas Fields	18						1,232	4,211	9,670	4,684	8	29	71	33	221	589	1,492	683
Total		1.00	0	0	0	0	1,232	4,211	9,670	4,684	8	29	71	33				

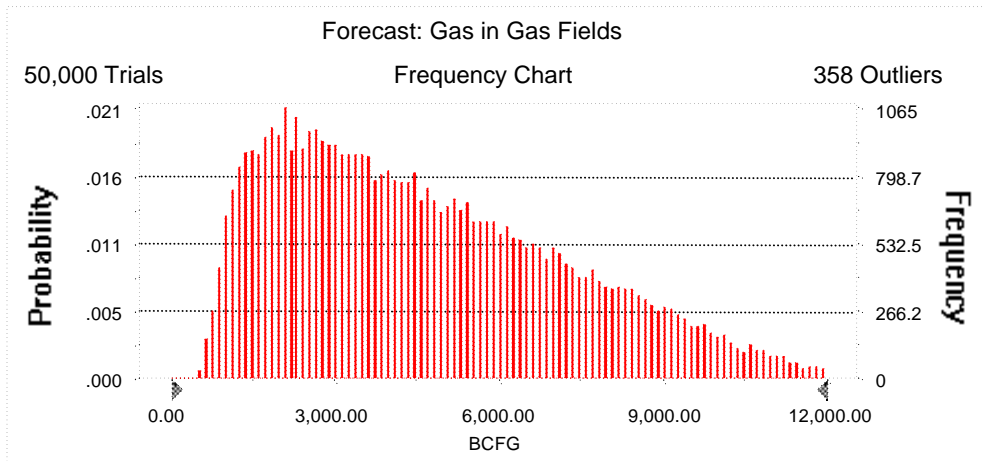**Forecast: Gas in Gas Fields**

Summary:
Display range is from 0.00 to 12,000.00 BCFG
Entire range is from 434.48 to 16,153.46 BCFG
After 50,000 trials, the standard error of the mean is 11.91

Statistics:	Value
Trials	50000
Mean	4,684.10
Median	4,211.22
Mode	---
Standard Deviation	2,663.11
Variance	7,092,141.48
Skewness	0.68
Kurtosis	2.84
Coefficient of Variability	0.57
Range Minimum	434.48
Range Maximum	16,153.46
Range Width	15,718.98
Mean Standard Error	11.91

Forecast: Gas in Gas Fields

Forecast: Gas in Gas Fields (cont'd)

Percentiles:

Percentile	BCFG
100%	434.48
95%	1,232.05
90%	1,571.24
85%	1,892.27
80%	2,190.97
75%	2,506.59
70%	2,813.41
65%	3,140.49
60%	3,483.30
55%	3,837.56
50%	4,211.22
45%	4,598.10
40%	5,022.91
35%	5,457.46
30%	5,939.03
25%	6,461.90
20%	7,045.37
15%	7,726.06
10%	8,547.59
5%	9,670.30
0%	16,153.46

End of Forecast

Forecast: NGL in Gas Fields

Summary:
Display range is from 0.00 to 90.00 MMBNGL
Entire range is from 2.57 to 145.18 MMBNGL
After 50,000 trials, the standard error of the mean is 0.09

Statistics:	Value
Trials	50000
Mean	32.80
Median	28.79
Mode	---
Standard Deviation	19.80
Variance	391.99
Skewness	0.90
Kurtosis	3.53
Coefficient of Variability	0.60
Range Minimum	2.57
Range Maximum	145.18
Range Width	142.61
Mean Standard Error	0.09
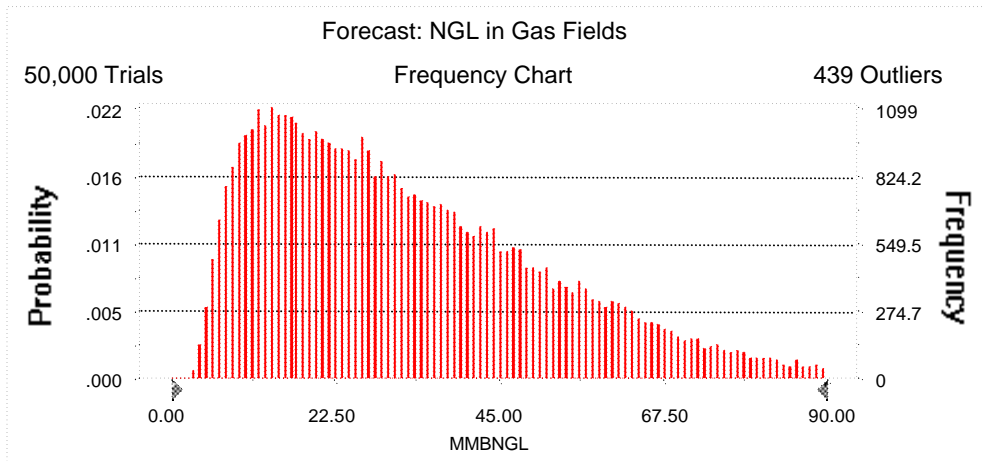
Forecast: NGL in Gas Fields

50,000 Trials — Frequency Chart — 439 Outliers

Forecast: NGL in Gas Fields (cont'd)

Percentiles:

Percentile	MMBNGL
100%	2.57
95%	8.21
90%	10.62
85%	12.76
80%	14.88
75%	16.99
70%	19.19
65%	21.48
60%	23.85
55%	26.33
50%	28.79
45%	31.45
40%	34.42
35%	37.58
30%	41.06
25%	44.78
20%	49.07
15%	54.48
10%	61.10
5%	70.68
0%	145.18

End of Forecast

Forecast: Largest Gas Field

Summary:
Display range is from 0.00 to 1,750.00 BCFG
Entire range is from 66.41 to 1,999.99 BCFG
After 50,000 trials, the standard error of the mean is 1.73

Statistics:	Value
Trials	50000
Mean	682.68
Median	588.86
Mode	---
Standard Deviation	386.47
Variance	149,357.27
Skewness	1.08
Kurtosis	3.79
Coefficient of Variability	0.57
Range Minimum	66.41
Range Maximum	1,999.99
Range Width	1,933.58
Mean Standard Error	1.73
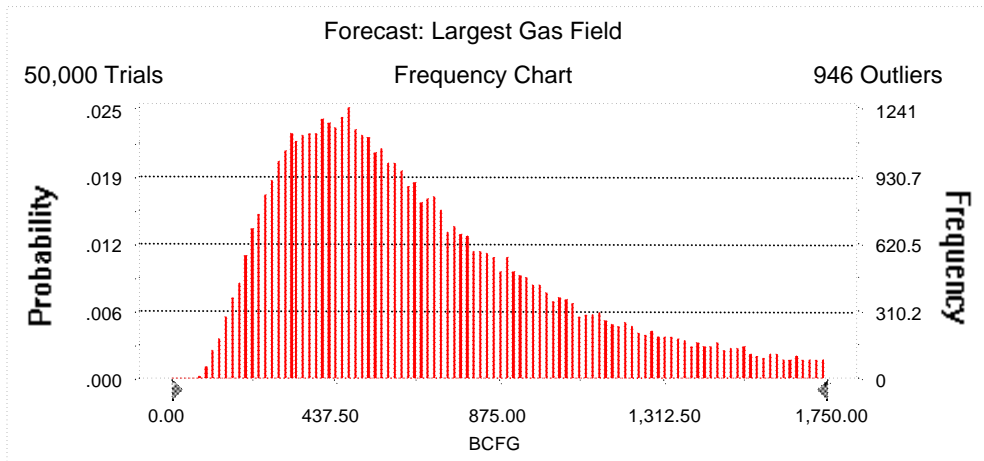
Forecast: Largest Gas Field

50,000 Trials   Frequency Chart   946 Outliers

Forecast: Largest Gas Field (cont'd)

Percentiles:

Percentile	BCFG
100%	66.41
95%	221.06
90%	274.71
85%	318.07
80%	357.35
75%	395.96
70%	432.85
65%	470.40
60%	507.26
55%	546.91
50%	588.86
45%	634.44
40%	684.76
35%	739.53
30%	804.11
25%	880.29
20%	968.96
15%	1,083.22
10%	1,244.94
5%	1,491.83
0%	1,999.99

End of Forecast

Assumptions

Assumption: Number of Gas Fields

Triangular distribution with parameters:
Minimum	10
Likeliest	12
Maximum	110

Selected range is from 10 to 110
Mean value in simulation was 44

Number of Gas Fields
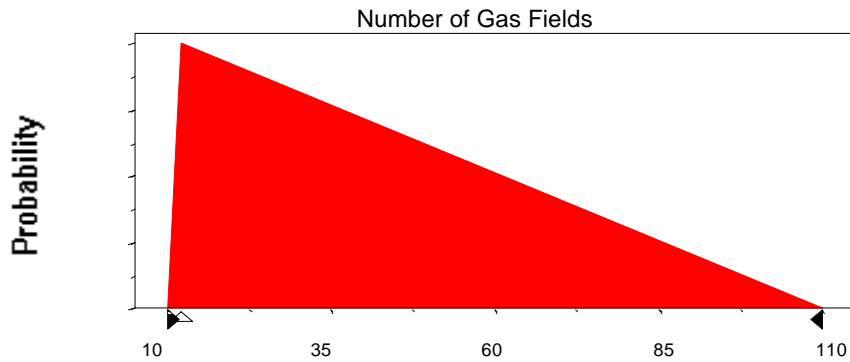
Assumption: Sizes of Gas Fields

Lognormal distribution with parameters: Shifted parameters
Mean	91.43	109.43
Standard Deviation	176.79	176.79

Selected range is from 0.00 to 1,982.00   18.00 to 2,000.00
Mean value in simulation was 87.48   105.48

Assumption: Sizes of Gas Fields (cont'd)

Sizes of Gas Fields
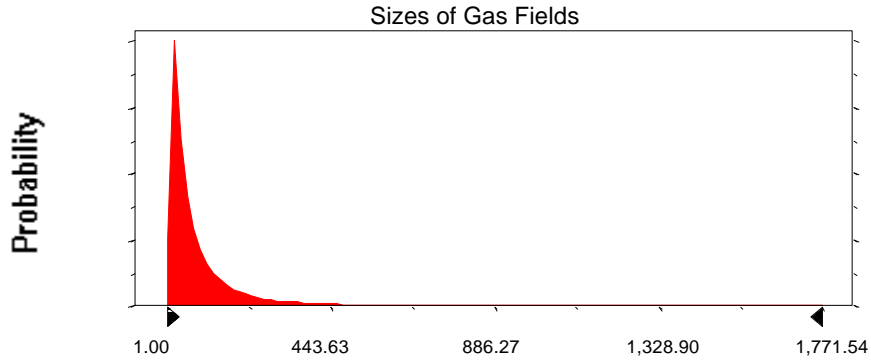
Assumption: LGR in Gas Fields

Triangular distribution with parameters:
Minimum	4.00
Likeliest	7.00
Maximum	10.00

Selected range is from 4.00 to 10.00
Mean value in simulation was 7.00

LGR in Gas Fields
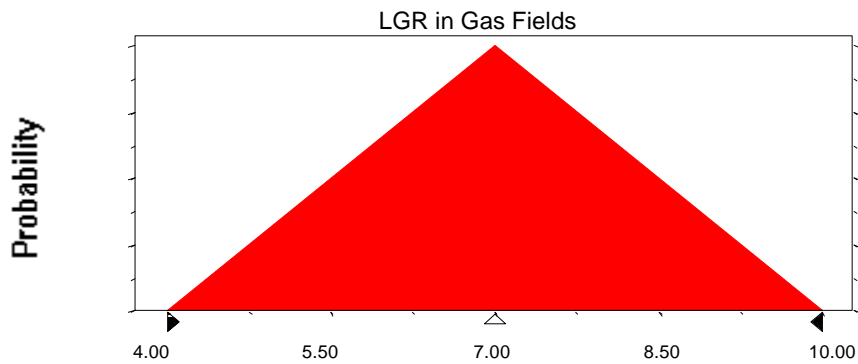
End of Assumptions

Simulation started on 7/30/99 at 12:23:45
Simulation stopped on 7/30/99 at 12:52:28