Deformed Belt, Assessment Unit 40470201 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]

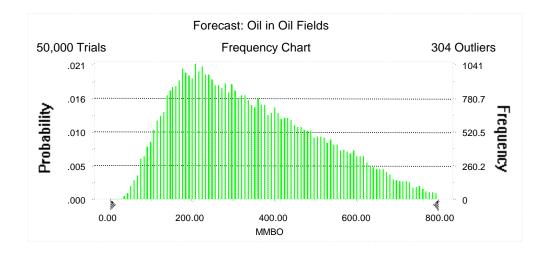
Field	MFS	Undiscovered Resources								Largest Undiscovered Field								
Field Type		Prob.	Oil (MMBO)			Gas (BCFG)			NGL (MMBNGL)			(MMBO or BCFG)						
. 7 -		(0-1)	F95	F50	F5	Mean	F95	F50	F5	Mean	F95	F50	F5	Mean	F95	F50	F5	Mean
Oil Fields	1	1.00	111	316	660	344	306	925	2,105	1,032	17	54	133	62	14	35	80	39
Gas Fields	6	1.00					405	1,211	2,526	1,313	4	12	27	13	56	134	312	152
Total		1.00	111	316	660	344	711	2,136	4,631	2,345	21	66	160	75				_

Forecast: Oil in Oil Fields

Summary:

Display range is from 0.00 to 800.00 MMBO Entire range is from 27.85 to 1,104.60 MMBO After 50,000 trials, the standard error of the mean is 0.77

Statistics:	<u>Value</u>
Trials	50000
Mean	343.91
Median	316.40
Mode	
Standard Deviation	171.41
Variance	29,382.83
Skewness	0.57
Kurtosis	2.65
Coefficient of Variability	0.50
Range Minimum	27.85
Range Maximum	1,104.60
Range Width	1,076.74
Mean Standard Error	0.77



Forecast: Oil in Oil Fields (cont'd)

Percentiles:

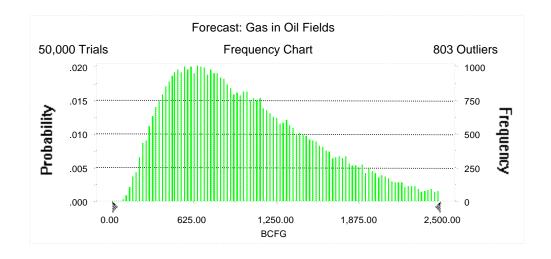
<u>Percentile</u>	MMBO
100%	27.85
95%	111.35
90%	141.52
85%	164.53
80%	186.02
75%	206.91
70%	226.51
65%	247.11
60%	269.74
55%	292.84
50%	316.40
45%	341.84
40%	368.78
35%	397.40
30%	427.82
25%	461.27
20%	498.35
15%	541.30
10%	592.82
5%	660.05
0%	1,104.60

Forecast: Gas in Oil Fields

Summary:

Display range is from 0.00 to 2,500.00 BCFG Entire range is from 48.20 to 4,088.88 BCFG After 50,000 trials, the standard error of the mean is 2.52

Statistics:	<u>Value</u>
Trials	50000
Mean	1,031.60
Median	925.26
Mode	
Standard Deviation	564.10
Variance	318,211.14
Skewness	0.86
Kurtosis	3.50
Coefficient of Variability	0.55
Range Minimum	48.20
Range Maximum	4,088.88
Range Width	4,040.68
Mean Standard Error	2.52



Forecast: Gas in Oil Fields (cont'd)

Percentiles:

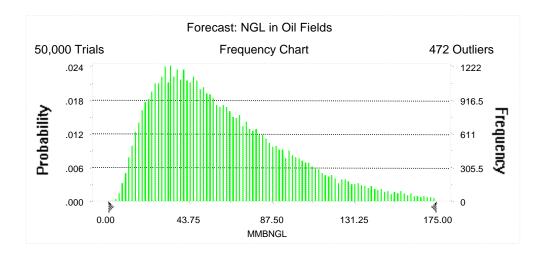
<u>Percentile</u>	<u>BCFG</u>
100%	48.20
95%	306.08
90%	393.25
85%	464.82
80%	530.06
75%	593.86
70%	658.73
65%	721.38
60%	786.72
55%	853.27
50%	925.26
45%	1,003.45
40%	1,083.38
35%	1,167.25
30%	1,262.74
25%	1,370.78
20%	1,494.00
15%	1,638.57
10%	1,828.45
5%	2,105.18
0%	4,088.88

Forecast: NGL in Oil Fields

Summary:

Display range is from 0.00 to 175.00 MMBNGL Entire range is from 2.93 to 310.04 MMBNGL After 50,000 trials, the standard error of the mean is 0.16

Statistics:	<u>Value</u>
Trials	50000
Mean	61.79
Median	53.93
Mode	
Standard Deviation	36.67
Variance	1,344.35
Skewness	1.10
Kurtosis	4.38
Coefficient of Variability	0.59
Range Minimum	2.93
Range Maximum	310.04
Range Width	307.11
Mean Standard Error	0.16



Forecast: NGL in Oil Fields (cont'd)

Percentiles:

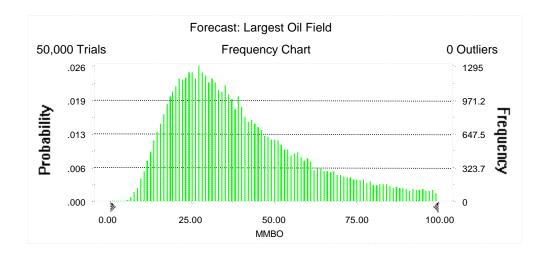
Percentile	MMBNGL
100%	2.93
95%	16.97
90%	22.02
85%	26.32
80%	30.24
75%	34.08
70%	37.81
65%	41.63
60%	45.57
55%	49.58
50%	53.93
45%	58.56
40%	63.62
35%	69.09
30%	75.13
25%	81.97
20%	89.95
15%	99.77
10%	112.18
5%	133.11
0%	310.04

Forecast: Largest Oil Field

Summary:

Display range is from 0.00 to 100.00 MMBO Entire range is from 3.82 to 99.99 MMBO After 50,000 trials, the standard error of the mean is 0.09

Statistics:	<u>Value</u>
Trials	50000
Mean	39.27
Median	34.93
Mode	
Standard Deviation	19.83
Variance	393.42
Skewness	0.89
Kurtosis	3.26
Coefficient of Variability	0.51
Range Minimum	3.82
Range Maximum	99.99
Range Width	96.17
Mean Standard Error	0.09



Forecast: Largest Oil Field (cont'd)

Percentiles:

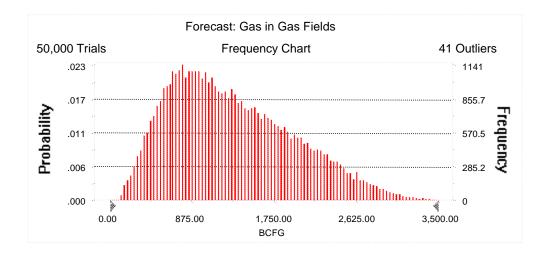
<u>Percentile</u>	<u>MMBO</u>
100%	3.82
95%	14.41
90%	17.53
85%	20.02
80%	22.22
75%	24.32
70%	26.34
65%	28.34
60%	30.45
55%	32.59
50%	34.93
45%	37.30
40%	39.92
35%	42.95
30%	46.29
25%	50.34
20%	55.00
15%	60.73
10%	68.79
5%	80.18
0%	99.99

Forecast: Gas in Gas Fields

Summary:

Display range is from 0.00 to 3,500.00 BCFG Entire range is from 83.70 to 4,118.73 BCFG After 50,000 trials, the standard error of the mean is 2.96

Statistics:	<u>Value</u>
Trials	50000
Mean	1,313.13
Median	1,210.81
Mode	
Standard Deviation	660.99
Variance	436,902.61
Skewness	0.56
Kurtosis	2.69
Coefficient of Variability	0.50
Range Minimum	83.70
Range Maximum	4,118.73
Range Width	4,035.03
Mean Standard Error	2.96



Forecast: Gas in Gas Fields (cont'd)

Percentiles:

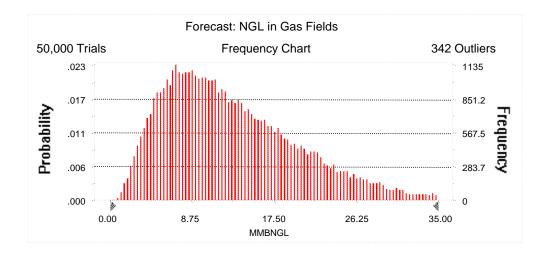
<u>Percentile</u>	<u>BCFG</u>
100%	83.70
95%	405.38
90%	527.61
85%	624.32
80%	708.74
75%	788.44
70%	868.66
65%	949.97
60%	1,033.30
55%	1,117.83
50%	1,210.81
45%	1,308.92
40%	1,409.09
35%	1,520.61
30%	1,637.99
25%	1,761.39
20%	1,905.01
15%	2,068.48
10%	2,265.09
5%	2,526.29
0%	4,118.73

Forecast: NGL in Gas Fields

Summary:

Display range is from 0.00 to 35.00 MMBNGL Entire range is from 0.77 to 50.56 MMBNGL After 50,000 trials, the standard error of the mean is 0.03

Statistics:	<u>Value</u>
Trials	50000
Mean	13.12
Median	11.77
Mode	
Standard Deviation	7.23
Variance	52.33
Skewness	0.85
Kurtosis	3.49
Coefficient of Variability	0.55
Range Minimum	0.77
Range Maximum	50.56
Range Width	49.79
Mean Standard Error	0.03



Forecast: NGL in Gas Fields (cont'd)

Percentiles:

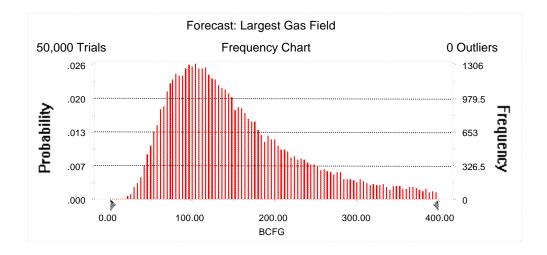
<u>Percentile</u>	<u>MMBNGL</u>
100%	0.77
95%	3.76
90%	4.92
85%	5.87
80%	6.75
75%	7.55
70%	8.36
65%	9.17
60%	10.01
55%	10.87
50%	11.77
45%	12.73
40%	13.78
35%	14.89
30%	16.13
25%	17.47
20%	19.04
15%	20.93
10%	23.26
5%	26.96
0%	50.56

Forecast: Largest Gas Field

Summary:

Display range is from 0.00 to 400.00 BCFG Entire range is from 17.39 to 399.93 BCFG After 50,000 trials, the standard error of the mean is 0.35

Statistics:	<u>Value</u>
Trials	50000
Mean	151.64
Median	134.03
Mode	
Standard Deviation	77.57
Variance	6,017.12
Skewness	0.96
Kurtosis	3.46
Coefficient of Variability	0.51
Range Minimum	17.39
Range Maximum	399.93
Range Width	382.54
Mean Standard Error	0.35



Forecast: Largest Gas Field (cont'd)

Percentiles:

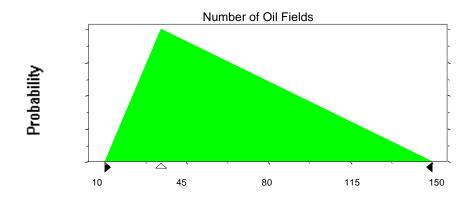
<u>Percentile</u>	<u>BCFG</u>
100%	17.39
95%	55.84
90%	67.84
85%	77.10
80%	85.57
75%	93.63
70%	101.50
65%	109.30
60%	117.17
55%	125.29
50%	134.03
45%	143.38
40%	153.47
35%	164.85
30%	177.76
25%	193.52
20%	211.77
15%	235.12
10%	265.67
5%	312.00
0%	399.93

Assumptions

Assumption: Number of Oil Fields

Minimum	10
Likeliest	34
Maximum	150

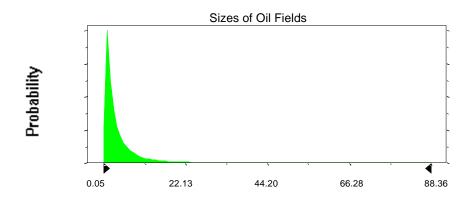
Selected range is from 10 to 150 Mean value in simulation was 65



Assumption: Sizes of Oil Fields

Lognormal distribution with parameters:		Shifted parameters
Mean	4.44	5.44
Standard Deviation	8.80	8.8
Selected range is from 0.00 to 99.00		1.00 to 100.00
Mean value in simulation was 4.35	5.35	

Assumption: Sizes of Oil Fields (cont'd)



Assumption: GOR in Oil Fields

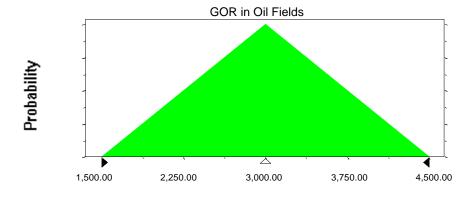
Triangular distribution with parameters:

 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 3,000.42



Assumption: LGR in Oil Fields

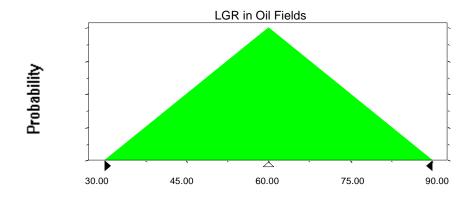
Triangular distribution with parameters:

 Minimum
 30.00

 Likeliest
 60.00

 Maximum
 90.00

Selected range is from 30.00 to 90.00 Mean value in simulation was 59.92



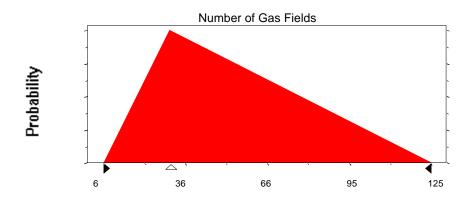
Assumption: Number of Gas Fields

Triangular distribution with parameters:

Minimum6Likeliest30Maximum125

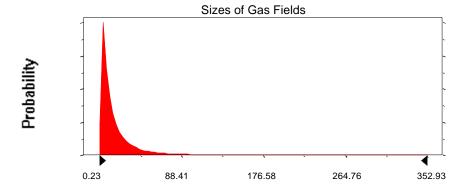
Selected range is from 6 to 125 Mean value in simulation was 54

Assumption: Number of Gas Fields (cont'd)



Assumption: Sizes of Gas Fields

Lognormal distribution with parameters	:	Shifted parameters	
Mean	19.01		25.01
Standard Deviation	35.38		35.38
Selected range is from 0.00 to 394.00		6.00 to	400.00
Mean value in simulation was 18.44		24.44	

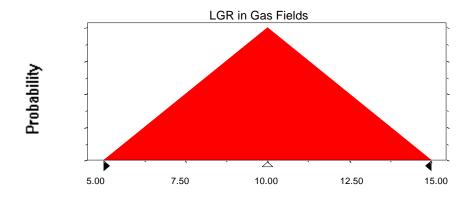


Assumption: LGR in Gas Fields

Triangular distribution with parameters:

Minimum	5.00
Likeliest	10.00
Maximum	15.00

Selected range is from 5.00 to 15.00 Mean value in simulation was 10.00



End of Assumptions

Simulation started on 9/10/99 at 13:21:56 Simulation stopped on 9/10/99 at 14:23:43