

# EXPLANATION OF DATA TABLES FOR BEAUFORT SHELF ASSESSMENT PROVINCE

## RESULTS

<b>LOG-N PARAMS (PORE)</b>	Key mathematic parameters that describe log-normal probability distributions for volume of hydrocarbon-bearing rock, in acre-feet, for each play as reported in the <b>PORE</b> module of <b>GRASP</b> .
<b>mu</b>	Natural logarithm of F50 value of log-normal distribution for volume of hydrocarbon-bearing rock, or “ $\mu$ ”, for the subject play. <b>mu</b> = ln F50. [Note: distribution <b>mean</b> = $e^{(\mu + 0.5[\text{sig. sq.}])}$ .]
<b>sig. sq.</b>	The variance of the log-normal distribution for volume of hydrocarbon-bearing rock, or “ $\sigma^2$ ”, for the subject play. <b>sig. sq.</b> = $\{\ln [0.5((F50/F16)+(F84/F50))]\}^2$ .
<b>N (MPRO)</b>	Number of hydrocarbon pools calculated for the plays by the <b>MPRO</b> module of <b>GRASP</b> from inputs for probability distributions of prospect numbers and geologic chances of success (approximately the product of play and prospect chances of success) . The maximum ( <b>Max</b> ) number of pools for each play was entered into the <b>MONTE1</b> module of <b>GRASP</b> to fix the number of pools aggregated to calculate play resources.
<b>Reserves</b>	Sums of recoverable oil and gas volumes for pools within the play, including both proven and inferred reserve categories. A “prop” entry indicates that the reserve data are proprietary.
<b>BCF</b>	Billions of cubic feet of gas, recoverable, at standard (surface) conditions (here fixed at a temperature of 60° Fahrenheit or 520° Rankine, and 14.73 psi atmospheric pressure).
<b>MMB</b>	Millions of barrels of oil, recoverable, at standard (surface) conditions.
<b>Undiscovered Potential</b>	Risked, undiscovered, conventionally recoverable oil and gas resources of the play, here reported at <b>Means</b> of probability distributions.

## EXPLANATION OF DATA TABLES FOR BEAUFORT SHELF ASSESSMENT PROVINCE

**Mean Pool Sizes of Ranks 1 to 3** Unrisked (or conditional) mean volumes of recoverable oil and gas in the three largest pools in the play.

### PLAY INPUT DATA

**F100.....F00** Fractiles for values within probability distributions entered to **GRASP** for calculations of play resources. Four-point distributions (F100, F50, F02, F00) generally indicate that calculations were conducted using log-normal mathematics. Eight-point distributions generally indicate that calculations were conducted using Monte Carlo mathematics. Choice of mathematic approach was in most cases the option of the assessor.

**Prospect Area** Maximum area of prospect closure, or area within spill contour, in acres. Probability distributions for prospect areas were generally based on distributions assembled independently for each play from large numbers of prospects mapped with seismic reflection data.

**Trap Fill** Trap fill fraction, or fraction of prospect area in which the reservoir is predicted to be saturated by hydrocarbons.

**Pool Area** Areal extent of hydrocarbon-saturated part of prospect, in acres. Calculated using **PRASS**, or **SAMPLER** module of **GRASP**, to integrate input probability distributions for prospect areas and trap fill fractions.

**Pay Thickness** Thickness of hydrocarbon-productive part of reservoir within pool areas, in feet. Probability distributions for prospect areas, trap fill fractions, and pay thicknesses are integrated in the **PORE** module of **GRASP**, to calculate a probability distribution for volume of hydrocarbon-bearing rock, in feet, within the play as reported above under **LOG-N PARAMS (PORE)** .

## EXPLANATION OF DATA TABLES FOR BEAUFORT SHELF ASSESSMENT PROVINCE

<b>Oil Yield (Recov. B/Acre-Feet)</b>	Oil, in barrels at standard (surface) conditions, recoverable from a volume of one acre-foot of oil-saturated reservoir in the subsurface. Oil yield probability distributions were generally calculated in a separate exercise using <b>PRASS</b> to integrate input probability distributions for porosities, oil saturations, oil shrinkage factors (or “Formation Volume Factors”), and oil recovery efficiencies.
<b>Gas Yield (MMCF/Ac.-Ft.)</b>	Gas, in millions of cubic feet at standard (surface) conditions, recoverable from a volume of one acre-foot of gas-saturated reservoir in the subsurface. Distributions were generally calculated in a separate exercise using <b>PRASS</b> to integrate input probability distributions for porosities, gas saturations, reservoir pressures, reservoir temperatures (in degrees Rankine), gas deviation (“Z”) factors, combustible fractions (that exclude noncombustibles such as carbon dioxide, nitrogen, etc.), and gas recovery efficiencies.
<b>Solution Gas-Oil Ratio (CF/B)</b>	Quantity of gas dissolved in oil in the reservoir that separates from the oil when brought to standard (surface) conditions, in cubic feet recovered per barrel of produced oil.
<b>Gas Cond. (B/MMCF)</b>	Quantity of liquids or condensate dissolved in gas in the reservoir that separates from the gas when brought to standard (surface) conditions, in barrels recovered per million cubic feet of produced gas.
<b>Number of Prospects.....</b>	Probability distributions for numbers of prospects in plays, generally ranging from minimum values (F99) representing the numbers of mapped prospects, to maximum values (F00) that include speculative estimates for the numbers of additional prospects that remain unidentified (generally stratigraphic prospects, geophysically indefinite prospects, or prospects expected in areas with no seismic coverage).

## EXPLANATION OF DATA TABLES FOR BEAUFORT SHELF ASSESSMENT PROVINCE

### Probabilities for Oil, Gas, or Mixed Pools

**Oil (OPROB)** Fraction of hydrocarbon pools that consist entirely of oil, with no free gas present. Typically, an undersaturated oil pool.

**Gas (GPROB)** Fraction of hydrocarbon pools consisting entirely of gas, with no free oil present.

**Mixed (MXPROB)** Fraction of hydrocarbon pools that contain both oil and gas as free phases, the gas usually present as a gas cap overlying the oil.

**Fraction of Net Pay to Oil (OFRAC)** When a hydrocarbon pool is modeled as a mixed case, with both oil and gas present, the fraction of pool volume that is saturated by oil in the subsurface.

**Play Chance Success** Probability that the play contains at least one pool of technically-recoverable hydrocarbons (that would flow into a conventional wellbore in a flow test or during production).

**Prospect Chance Success** The fraction of prospects within the play that are predicted to contain hydrocarbon pools, given the condition that at least one pool of technically-recoverable hydrocarbons occurs within the play.

### Play Type (E-F-C)

Play classification scheme.

**E** **Established** play, in which significant numbers of fields have been discovered, providing the assessor with data for pool size distributions and reservoirs sufficient to allow the assessor to model the play with confidence.

**F** **Frontier** play, where exploration activities are at an early stage. Some wells have already been drilled to test the play concept but no commercial fields have been established.

## EXPLANATION OF DATA TABLES FOR BEAUFORT SHELF ASSESSMENT PROVINCE

**C**

**Conceptual** play, hypothesized by analysts based on the subsurface geologic knowledge of the area. Such plays remain hypothetical and the play concept has not been tested.

## BEAUFORT SHELF

				Log-N Params.							
				PORE		N (MPRO)		Reserves		Undiscovered Potential	
Play				Ac/Ft	Ac/Ft	No. Pools		Gas	Oil	Gas	Oil
No.	Area	UAI Code	Name	mu	sig. sq.	Mean	Max	(BCF)	(MMB)	(BCF)	(MMB)
101	Beaufort Shelf	UABS0101	Undeformed Pre-Mississippian Basement	10.312	2.9727	1	7	0	0	28	6
200	Beaufort Shelf	UABS0200	Pre-Devonian	14.061	1.4114	7	19	0	0	3534	173
401	Beaufort Shelf	UABS0401	Endicott w/o portion shared w/ Chukchi	11.652	2.1036	2	4	prop	prop	109	37
501	Beaufort Shelf	UABS0501	Lisburne w/o portion shared w/ Chukchi	11.742	3.4314	3	16	0	0	452	208
601	Beaufort Shelf	UABS0601	Upper Ellesmer. w/o portion shared w/ Chukchi	13.069	2.4728	5	15	prop	prop	1834	763
701	Beaufort Shelf	UABS0701	Rift w/o portion shared w/ Chukchi	12.461	2.5452	40	78	0	0	2559	910
800	Beaufort Shelf	UABS0800	Brookian Faulted Western Topset	11.662	2.6113	4	26	0	0	1570	82
902	Beaufort Shelf	UABS0902	Brookian Unstructured Western Topset	12.171	2.5478	1	6	0	0	211	146
1000	Beaufort Shelf	UABS1000	Brookian Faulted Western Turbidite	11.740	1.4290	2	13	0	0	601	29
1102	Beaufort Shelf	UABS1102	Brookian Unstructured Western Turbidite	11.803	1.5497	1	6	0	0	133	57
1201	Beaufort Shelf	UABS1201	Brookian Faulted Eastern Topset	12.230	2.4715	18	53	0	0	16074	1048
1302	Beaufort Shelf	UABS1302	Brookian Unstructured Eastern Topset	12.379	2.2277	3	9	prop	prop	813	1648
1400	Beaufort Shelf	UABS1400	Brookian Faulted Eastern Turbidite	11.562	1.8586	17	53	0	0	3585	183
1502	Beaufort Shelf	UABS1502	Brookian Unstructured Eastern Turbidite	11.249	2.4943	1	4	0	0	90	42
1602	Beaufort Shelf	UABS1602	Brookian Foldbelt	12.085	1.9114	20	45	0	0	3188	2038
1800	Beaufort Shelf	UABS1800	Endicott portion shared w/ Chukchi	12.174	2.0180	0	5	0	0	12	1
1900	Beaufort Shelf	UABS1900	Lisburne portion shared w/ Chukchi	12.724	1.3470	1	11	0	0	65	18
2000	Beaufort Shelf	UABS2000	Ellesmerian deep gas shared w/ Chukchi	12.836	0.9630	2	19	0	0	150	4
2100	Beaufort Shelf	UABS2100	Upper Ellsmerian portion shared w/ Chukchi	13.638	1.0550	5	22	0	0	1391	497
2200	Beaufort Shelf	UABS2200	Rift portion shared w/ Chukchi	13.081	1.6320	10	31	0	0	2166	606
2300	Beaufort Shelf	UABS2300	Sand Apron shared w/ Chukchi	13.971	2.3430	2	17	0	0	4895	291
2400	Beaufort Shelf	UABS2400	Turbidites (Torok) shared w/ Chukchi	12.669	0.3370	0	5	0	0	8	3
2500	Beaufort Shelf	UABS2500	Topset (Nanushuk) shared w/ Chukchi	12.232	0.6400	1	8	0	0	34	44

## BEAUFORT SHELF

		MEAN POOL SIZES OF RANKS 1 TO 3						INPUT DATA					
		Pool #1		Pool #2		Pool #3		Prospect Area (Acres)					
PLAY		Gas	Oil	Gas	Oil	Gas	Oil						
No.	Name	(BCF)	(MMB)	(BCF)	(MMB)	(BCF)	(MMB)	F100	F95	F75	F50	F25	F05
101	Undeformed Pre-Mississippian Basement	84	21	24	6	11	3	1	39	197	609	1879	9505
200	Pre-Devonian	1891	39	876	21	554	12	1400	12000	40000	52000	100000	240000
401	Endicott w/o portion shared w/ Chukchi	disc. (Tern Is.)		94	34	44	16	100	800	2000	4000	8000	20000
501	Lisburne w/o portion shared w/ Chukchi	347	155	78	32	30	13	6	185	922	2812	8579	42692
601	Upper Ellesmer. w/o portion shared w/ Chukchi	1665	662	disc. (Seal Is.)		154	60	16	396	1732	4833	13484	58990
701	Rift w/o portion shared w/ Chukchi	not computed						Pool size dist. from fields in play.					
800	Brookian Faulted Western Topset	1304	57	370	17	174	8	18	315	1191	3000	7558	28556
902	Brookian Unstructured Western Topset	285	182	67	44	6	26	32	543	2012	5000	12429	46063
1000	Brookian Faulted Western Turbidite	508	22	191	9	108	5	163	1099	2683	4990	9280	22655
1102	Brookian Unstructured Western Turbidite	137	66	47	23	27	13	142	1072	2752	5200	10208	26211
1201	Brookian Faulted Eastern Topset	6908	305	2791	128	1701	76	38	597	2165	5300	12978	47067
1302	Brookian Unstructured Eastern Topset	201	905	disc. (Kuvlum)		229	182	60	800	2677	6200	14360	48079
1400	Brookian Faulted Eastern Turbidite	1393	62	649	30	427	19	69	676	1972	4150	8734	25477
1502	Brookian Unstructured Eastern Turbidite	100	47	23	11	11	5	22	343	1233	3000	7301	26246
1602	Brookian Foldbelt	1041	681	484	317	309	210	108	1107	3286	7000	14911	44259
1800	Endicott portion shared w/ Chukchi	98	5	32	2	18	1	42			6434		
1900	Lisburne portion shared w/ Chukchi	100	28	39	11	23	7	242			11148		
2000	Ellesmerian deep gas shared w/ Chukchi	143	4	67	2	44	1	472			12477		
2100	Upper Ellsmerian portion shared w/ Chukchi	939	315	472	158	306	106	277			9733		
2200	Rift portion shared w/ Chukchi	840	253	372	112	228	71	117			11153		
2300	Sand Apron shared w/ Chukchi	4598	114	1352	248	627	114	42			8519		
2400	Turbidites (Torok) shared w/ Chukchi	52	18	35	12	29	10	1370			7393		
2500	Topset (Nanushuk) shared w/ Chukchi	47	60	26	33	19	25	559			6819		

## BEAUFORT SHELF

INPUT DATA													
PLAY		Prospect Area (Acres)			Trap Fill (Dec. Frac.)								
No.	Name	F02	F01	F00	F100	F95	F75	F50	F25	F05	F02	F01	F00
101	Undeformed Pre-Mississippian Basement		18821	29677	0.10	0.14	0.29	0.50	0.76	0.95		0.99	1.00
200	Pre-Devonian		420000	860000	0.05	0.05	0.08	0.10	0.15	0.19		0.20	0.20
401	Endicott w/o portion shared w/ Chukchi		40000	50000	0.10	0.14	0.29	0.50	0.76	0.95		0.99	1.00
501	Lisburne w/o portion shared w/ Chukchi		131760	150000	0.10	0.14	0.29	0.50	0.76	0.95		0.99	1.00
601	Upper Ellesmer. w/o portion shared w/ Chukchi		109870	166320	0.10	0.14	0.29	0.50	0.76	0.95		0.99	1.00
701	Rift w/o portion shared w/ Chukchi	Pool size dist. from fields in play.											
800	Brookian Faulted Western Topset		72635	489440	0.10	0.14	0.29	0.50	0.76	0.95		0.99	1.00
902	Brookian Unstructured Western Topset		115590	757600	0.10	0.14	0.29	0.50	0.76	0.95		0.99	1.00
1000	Brookian Faulted Western Turbidite		42404	152670	0.10	0.14	0.29	0.50	0.76	0.95		0.99	1.00
1102	Brookian Unstructured Western Turbidite		50829	196740	0.10	0.14	0.29	0.50	0.76	0.95		0.99	1.00
1201	Brookian Faulted Eastern Topset		116320	739080	0.10	0.14	0.29	0.50	0.76	0.95		0.99	1.00
1302	Brookian Unstructured Eastern Topset		112340	636340	0.10	0.14	0.29	0.50	0.76	0.95		0.99	1.00
1400	Brookian Faulted Eastern Turbidite		54034	251150	0.10	0.14	0.29	0.50	0.76	0.95		0.99	1.00
1502	Brookian Unstructured Eastern Turbidite		64446	404420	0.10	0.14	0.29	0.50	0.76	0.95		0.99	1.00
1602	Brookian Foldbelt		95023	452840	0.10	0.14	0.29	0.50	0.76	0.95		0.99	1.00
1800	Endicott portion shared w/ Chukchi	103530		984920	0.08			0.43			0.68		1.00
1900	Lisburne portion shared w/ Chukchi	92425		513590	0.08			0.43			0.68		1.00
2000	Ellesmerian deep gas shared w/ Chukchi	76087		329600	0.08			0.43			0.68		1.00
2100	Upper Ellsmerian portion shared w/ Chukchi	69421		341470	0.08			0.43			0.68		1.00
2200	Rift portion shared w/ Chukchi	137970		1060600	0.08			0.43			0.68		1.00
2300	Sand Apron shared w/ Chukchi	190620		1896300	0.17			0.66			0.87		1.00
2400	Turbidites (Torok) shared w/ Chukchi	18756		39901	0.08			0.43			0.68		1.00
2500	Topset (Nanushuk) shared w/ Chukchi	27127		83112	0.08			0.43			0.68		1.00

## BEAUFORT SHELF

PLAY		INPUT DATA													
		Pool Area (Acres)									Pay Thickness (Feet)				
No.	Name	F100	F95	F75	F50	F25	F05	F02	F01	F00	F100	F95	F75	F50	F25
101	Undeformed Pre-Mississippian Basement	1			301			8720		133640	14			100	
200	Pre-Devonian	170			6269			45900		230610	16			204	
401	Endicott w/o portion shared w/ Chukchi	30			1915			19032		122500	2			60	
501	Lisburne w/o portion shared w/ Chukchi	2			1397			48814		87088	8			90	
601	Upper Ellesmer. w/o portion shared w/ Chukchi	9			2371			52465		646250	38			200	
701	Rift w/o portion shared w/ Chukchi	50			6454			95000		840820	1			40	
800	Brookian Faulted Western Topset	6			1451			34229		371230	13			80	
902	Brookian Unstructured Western Topset	10			2413			54546		574970	13			80	
1000	Brookian Faulted Western Turbidite	33			2368			21209		117930	7			53	
1102	Brookian Unstructured Western Turbidite	30			2523			25305		151560	7			53	
1201	Brookian Faulted Eastern Topset	12			2561			54956		561290	13			80	
1302	Brookian Unstructured Eastern Topset	16			2973			53685		484580	13			80	
1400	Brookian Faulted Eastern Turbidite	17			1982			25933		192300	7			53	
1502	Brookian Unstructured Eastern Turbidite	7			1449			30584		307220	7			53	
1602	Brookian Foldbelt	26			3343			45715		346470	7			53	
1800	Endicott portion shared w/ Chukchi	17			2767			46221		453330	10			70	
1900	Lisburne portion shared w/ Chukchi	95			4794			41742		241380	23			70	
2000	Ellesmerian deep gas shared w/ Chukchi	183			5365			34643		157190	18			70	
2100	Upper Ellesmerian portion shared w/ Chukchi	108			4185			31468		161540	100			200	
2200	Rift portion shared w/ Chukchi	47			4795			61836		491560	34			100	
2300	Sand Apron shared w/ Chukchi	22			5844			127540		1553400	60			200	
2400	Turbidites (Torok) shared w/ Chukchi	485			3179			8973		20814	34			100	
2500	Topset (Nanushuk) shared w/ Chukchi	210			2932			12561		40867	18			70	

## BEAUFORT SHELF

### INPUT DATA

PLAY		Pay Thickness (Feet)				Oil Yield (Recov. B/ Acre-Foot)								Gas Yield (MMCF/Ac.-Ft)			
No.	Name	F05	F02	F01	F00	F100	F95	F75	F50	F25	F05	F01	F00	F100	F95	F75	F50
101	Undeformed Pre-Mississippian Basement		300		731	11	27	40	52	69	103	136	242	0.074	0.143	0.195	0.241
200	Pre-Devonian		836		2624	5	13	20	59	92	174	272	682	0.006	0.033	0.072	0.124
401	Endicott w/o portion shared w/ Chukchi		400		1862	34	94	149	207	286	458	636	1245	0.107	0.286	0.452	0.621
501	Lisburne w/o portion shared w/ Chukchi		350		1053	24	55	81	105	138	203	267	464	0.019	0.060	0.104	0.151
601	Upper Ellesmer. w/o portion shared w/ Chukchi		500		1051	28	74	117	162	223	355	491	953	0.081	0.224	0.361	0.503
701	Rift w/o portion shared w/ Chukchi		260		1186	32	81	125	169	228	351	476	884	0.048	0.173	0.317	0.483
800	Brookian Faulted Western Topset		220		500	115	220	298	367	453	613	758	1171	0.178	0.424	0.637	0.845
902	Brookian Unstructured Western Topset		220		500	59	118	163	204	255	352	442	702	0.173	0.414	0.623	0.828
1000	Brookian Faulted Western Turbidite		160		392	42	98	145	190	250	371	488	858	0.128	0.364	0.592	0.830
1102	Brookian Unstructured Western Turbidite		160		392	42	98	145	190	250	371	488	858	0.122	0.343	0.558	0.781
1201	Brookian Faulted Eastern Topset		220		500	133	249	333	408	500	669	821	1248	0.211	0.534	0.825	1.117
1302	Brookian Unstructured Eastern Topset		220		500	68	133	182	227	282	385	479	750	0.224	0.439	0.601	0.747
1400	Brookian Faulted Eastern Turbidite		160		392	29	73	111	149	200	306	412	756	0.128	0.331	0.517	0.704
1502	Brookian Unstructured Eastern Turbidite		160		392	29	73	111	149	200	306	412	756	0.118	0.305	0.476	0.648
1602	Brookian Foldbelt		160		392	61	133	192	248	320	462	598	1012	0.051	0.234	0.477	0.782
1800	Endicott portion shared w/ Chukchi		150		350	2	11	23	39	65	137	231	668	0.005	0.030	0.065	0.110
1900	Lisburne portion shared w/ Chukchi		190		427	2	7	14	23	37	73	118	314	0.006	0.029	0.059	0.098
2000	Ellesmerian deep gas shared w/ Chukchi		150		278	not used							0.001	0.011	0.030	0.058	
2100	Upper Ellesmerian portion shared w/ Chukchi		370		609	6	25	47	73	114	215	335	833	0.017	0.081	0.170	0.285
2200	Rift portion shared w/ Chukchi		180		290	5	18	34	53	83	157	247	618	0.013	0.065	0.139	0.236
2300	Sand Apron shared w/ Chukchi		370		650	8	33	66	107	174	348	567	1535	0.007	0.049	0.125	0.239
2400	Turbidites (Torok) shared w/ Chukchi		180		290	6	19	33	48	70	122	179	392	0.031	0.097	0.165	0.238
2500	Topset (Nanushuk) shared w/ Chukchi		150		278	47	113	170	225	299	448	597	1069	0.006	0.028	0.057	0.094

## BEAUFORT SHELF

		<b>INPUT DATA</b>															
<b>PLAY</b>		<b>Gas Yield (MMCF/Ac.-Ft)</b>				<b>Solution Gas Oil Ratio (CF/B)</b>								<b>Gas Cond. (B/MMCF)</b>			
<b>No.</b>	<b>Name</b>	<b>F25</b>	<b>F05</b>	<b>F01</b>	<b>F00</b>	<b>F100</b>	<b>F95</b>	<b>F75</b>	<b>F50</b>	<b>F25</b>	<b>F05</b>	<b>F01</b>	<b>F00</b>	<b>F100</b>	<b>F95</b>	<b>F75</b>	<b>F50</b>
101	Undeformed Pre-Mississippian Basement	0.298	0.405	0.502	0.779	19	165	449	900	1806	4917	9938	41850	14	42	70	100
200	Pre-Devonian	0.231	0.465	0.803	2.460	19	165	449	900	1806	4917	9938	41850	0	2	5	10
401	Endicott w/o portion shared w/ Chukchi	0.855	1.350	1.870	3.600	19	165	449	900	1806	4917	9938	41850	0	3	8	15
501	Lisburne w/o portion shared w/ Chukchi	0.220	0.379	0.555	1.210	19	164	449	900	1806	4917	9938	41850	0	2	5	10
601	Upper Ellesmer. w/o portion shared w/ Chukchi	0.699	1.130	1.570	3.110	19	165	449	900	1806	4917	9938	41850	0	2	5	10
701	Rift w/o portion shared w/ Chukchi	0.735	1.350	2.060	4.900	19	165	449	900	1806	4917	9938	41850	0	3	8	15
800	Brookian Faulted Western Topset	1.122	1.685	2.242	4.019	38	96	148	200	270	417	565	1051	8	19	30	40
902	Brookian Unstructured Western Topset	1.099	1.653	2.202	3.955	38	96	148	200	270	417	565	1051	8	19	30	40
1000	Brookian Faulted Western Turbidite	1.165	1.896	2.668	5.368	68	229	404	600	891	1573	2347	5309	8	19	30	40
1102	Brookian Unstructured Western Turbidite	1.095	1.778	2.500	5.014	68	229	404	600	891	1573	2347	5309	8	19	30	40
1201	Brookian Faulted Eastern Topset	1.511	2.335	3.169	5.918	38	96	148	200	270	417	565	1051	8	19	30	40
1302	Brookian Unstructured Eastern Topset	0.930	1.273	1.587	2.490	38	96	148	200	270	417	565	1051	8	19	30	40
1400	Brookian Faulted Eastern Turbidite	0.958	1.495	2.043	3.867	68	229	404	600	891	1573	2347	5309	8	19	30	40
1502	Brookian Unstructured Eastern Turbidite	0.883	1.379	1.885	3.570	68	229	404	600	891	1573	2347	5309	8	19	30	40
1602	Brookian Foldbelt	1.284	2.619	4.322	12.022	38	96	148	200	270	417	565	1051	8	19	30	40
1800	Endicott portion shared w/ Chukchi	0.189	0.408	0.703	2.127	170	520	800	1100	1500	2300	3100	7000	20	35	42	52
1900	Lisburne portion shared w/ Chukchi	0.162	0.336	0.560	1.594	230	750	1300	1700	2300	3800	5200	10000	20	35	42	52
2000	Ellesmerian deep gas shared w/ Chukchi	0.115	0.305	0.605	2.454	not used								10	17	22	25
2100	Upper Ellsemerian portion shared w/ Chukchi	0.477	1.000	1.684	4.879	220	600	900	1200	1600	2500	3100	6000	20	35	42	52
2200	Rift portion shared w/ Chukchi	0.400	0.856	1.181	4.361	250	680	1000	1300	1800	2700	3600	7000	20	35	42	52
2300	Sand Apron shared w/ Chukchi	0.458	1.166	2.248	8.595	800	1700	2200	2800	3300	4400	5500	9000	10	17	22	25
2400	Turbidites (Torok) shared w/ Chukchi	0.345	0.585	0.849	1.814	900	1020	1070	1100	1120	1140	1200	1300	20	35	42	52
2500	Topset (Nanushuk) shared w/ Chukchi	0.155	0.318	0.526	1.474	490	530	550	570	590	600	620	680	20	35	42	52

## BEAUFORT SHELF

		INPUT DATA											
PLAY		Gas Cond. (B/MMCF)				Number of Prospects in Play							
No.	Name	F25	F05	F01	F00	F99	F95	F75	F50	F25	F05	F01	F00
101	Undeformed Pre-Mississippian Basement	143	241	347	731	7	9	14	21	28	34	35	36
200	Pre-Devonian	22	65	140	682	9	10	11	13	15	17	18	19
401	Endicott w/o portion shared w/ Chukchi	28	70	133	491	5	7	11	18	25	32	33	34
501	Lisburne w/o portion shared w/ Chukchi	22	65	140	682	23	27	33	39	43	53	61	62
601	Upper Ellesmer. w/o portion shared w/ Chukchi	22	65	140	682	31	34	41	44	50	56	62	63
701	Rift w/o portion shared w/ Chukchi	28	70	133	491	27	32	41	46	54	70	81	82
800	Brookian Faulted Western Topset	54	83	113	210	9	11	13	14	16	19	21	27
902	Brookian Unstructured Western Topset	54	83	113	210	2	2	3	3	4	5	5	7
1000	Brookian Faulted Western Turbidite	54	83	113	210	6	7	8	8	9	10	11	14
1102	Brookian Unstructured Western Turbidite	54	83	113	210	2	2	3	3	4	5	5	7
1201	Brookian Faulted Eastern Topset	54	83	113	210	33	37	40	43	46	51	55	62
1302	Brookian Unstructured Eastern Topset	54	83	113	210	3	5	5	6	6	7	8	10
1400	Brookian Faulted Eastern Turbidite	54	83	113	210	33	36	39	42	45	50	54	61
1502	Brookian Unstructured Eastern Turbidite	54	83	113	210	1	1	2	2	2	3	3	4
1602	Brookian Foldbelt	54	83	113	210	37	40	46	49	53	60	65	77
1800	Endicott portion shared w/ Chukchi	55	68	75	100	4	4.5	5	6	6.2	7	8	10
1900	Lisburne portion shared w/ Chukchi	55	68	75	100	17	18	20	22	23	27	28	35
2000	Ellesmerian deep gas shared w/ Chukchi	28	35	40	50	18	22	28	33	39	50	60	90
2100	Upper Ellsmerian portion shared w/ Chukchi	55	68	75	100	24	26	28	31	33	37	40	47
2200	Rift portion shared w/ Chukchi	55	68	75	100	9	10	13	15	17	22	25	36
2300	Sand Apron shared w/ Chukchi	28	35	40	50	20	22	26	30	33	39	44	57
2400	Turbidites (Torok) shared w/ Chukchi	55	68	75	100	3	3.6	5.6	5.7	6.6	9	10	15
2500	Topset (Nanushuk) shared w/ Chukchi	55	68	75	100	8	9	11	13	14	17	19	26

## BEAUFORT SHELF

		INPUT DATA						
		Probabilities for Oil, Gas, or Mixed Pools			Fraction of Net	Play	Prospect	
PLAY		Oil	Gas	Mixed	Pay to Oil	Chance	Chance	Play Type
No.	Name	(OPROB)	(GPROB)	(MXPROB)	(OFAC)	Success	Success	E - F - C
101	Undeformed Pre-Mississippian Basement	0.00	0.00	1.00	0.50	1.00	0.24	E
200	Pre-Devonian	0.00	0.67	0.33	0.76	0.75	0.66	F
401	Endicott w/o portion shared w/ Chukchi	0.00	0.00	1.00	0.75	1.00	0.75	E
501	Lisburne w/o portion shared w/ Chukchi	0.00	0.00	1.00	0.75	1.00	0.30	E
601	Upper Ellesmer. w/o portion shared w/ Chukchi	0.00	0.00	1.00	0.80	1.00	0.45	E
701	Rift w/o portion shared w/ Chukchi	0.45	0.45	0.10	0.75	1.00	0.81	E
800	Brookian Faulted Western Topset	0.00	0.80	0.20	0.75	0.80	0.32	F
902	Brookian Unstructured Western Topset	0.50	0.10	0.40	0.75	0.80	0.40	F
1000	Brookian Faulted Western Turbidite	0.00	0.90	0.10	0.75	0.80	0.32	F
1102	Brookian Unstructured Western Turbidite	0.00	0.00	1.00	0.75	1.00	0.32	F
1201	Brookian Faulted Eastern Topset	0.00	0.80	0.20	0.75	1.00	0.42	F
1302	Brookian Unstructured Eastern Topset	0.60	0.00	0.40	0.75	1.00	0.50	E
1400	Brookian Faulted Eastern Turbidite	0.00	0.90	0.10	0.75	0.90	0.43	F
1502	Brookian Unstructured Eastern Turbidite	0.00	0.00	1.00	0.75	1.00	0.49	E
1602	Brookian Foldbelt	0.00	0.00	1.00	0.75	1.00	0.32	F
1800	Endicott portion shared w/ Chukchi	0.00	0.90	0.10	0.70	0.40	0.05	C
1900	Lisburne portion shared w/ Chukchi	0.00	0.00	1.00	0.70	0.49	0.10	C
2000	Ellesmerian deep gas shared w/ Chukchi	0.00	1.00	0.00	0.00	0.54	0.10	C
2100	Upper Ellsmerian portion shared w/ Chukchi	0.00	0.00	1.00	0.70	0.60	0.24	C
2200	Rift portion shared w/ Chukchi	0.00	0.00	1.00	0.70	1.00	0.64	C
2300	Sand Apron shared w/ Chukchi	0.34	0.43	0.23	0.50	0.64	0.13	C
2400	Turbidites (Torok) shared w/ Chukchi	0.00	0.00	1.00	0.70	0.50	0.05	C
2500	Topset (Nanushuk) shared w/ Chukchi	0.00	0.00	1.00	0.70	1.00	0.06	C