

RESOURCES SUMMARY

A summary of the analysis of the discovered resources and the undiscovered resources potential is presented in Metric units (Table 7, at the end of this section) and in Imperial units (Table 8, at the end of this section) (the operator's values for the OGIP in the anchor fields are not used in this table).

As shown on this table, the total OGIP resource size for these four plays is expected to range between a low of $675.9 \times 10^9 \text{m}^3$ (23.9 TCF) and a high of $1331.5 \times 10^9 \text{m}^3$ (47.0 TCF), with a best estimate of $987.2 \times 10^9 \text{m}^3$ (34.8 TCF). Utilizing the ratio of sales gas to OGIP from the discovered fields, these figures would translate into a total resource endowment of between 427.7 and $842.6 \times 10^9 \text{m}^3$ (15.1 and 29.7 TCF), with an expected value of $624.7 \times 10^9 \text{m}^3$ (22.1 TCF). However, these figures do not reflect a detailed economic study. As will be discussed in the following sections, these figures are significantly reduced when some base economics are considered.

Table 7: Undiscovered OGIP and Total Resource Estimates - Established Plays - Metric Units

Area		Mackenzie Delta & Beaufort Sea ²		Eagle Plain ³	Colville Hills ⁴		
Play		Basin Margin	Listric Fault	Various	Cambrian SS	Totals	
Discovered ¹ (P ₅₀)	No. of Fields	3	25	3	4	35	
	OGIP 10 ⁹ m ³	72.6	272.3	4.1	24.6	373.6	
	Avg Size 10 ⁹ m ³	24.2	10.9	1.4	6.2		
Undiscovered ¹ (Best Estimate)	No. of Fields	13	48	48	53	162	
	OGIP 10 ⁹ m ³	83.9	351.7	17.2	160.7	613.6	
	Avg Size 10 ⁹ m ³	6.5	7.3	0.4	3.0		
Total Resource (Best Estimate)		10⁹m³	156.4	624.1	21.3	185.4	987.2
Discovered ¹ (P ₉₀)	No. of Fields	3	21	3	4	31	
	OGIP 10 ⁹ m ³	66.0	222.7	2.5	16.7	308	
	Avg Size 10 ⁹ m ³	22.0	10.6	0.8	4.2		
Undiscovered ¹ (Low Estimate)	No. of Fields	7	46	20	44	117	
	OGIP 10 ⁹ m ³	40.2	240.7	8.3	81.3	370.5	
	Avg Size 10 ⁹ m ³	5.7	5.2	0.4	1.8		
Total Resource (Low Estimate)		10⁹m³	106.2	463.3	10.8	98.1	678.4
Discovered ¹ (P ₁₀)	No. of Fields	3	27	3	4	37	
	OGIP 10 ⁹ m ³	79.5	328.5	6.2	36.6	450.8	
	Avg Size 10 ⁹ m ³	26.5	12.2	2.1	9.2		
Undiscovered ¹ (High Estimate)	No. of Fields	20	62	82	59	223	
	OGIP 10 ⁹ m ³	127.5	476.2	33.5	243.5	880.7	
	Avg Size 10 ⁹ m ³	6.4	7.7	0.4	4.1		
Total Resource (High Estimate)		10⁹m³	207.0	804.7	39.7	280.2	1,331.5
New Pool/New Field Wildcats		25	100	27	29	181	
Historical Discovery Rate		12%	25%	11%	14%	19%	
Suggested # Targets Required		108	192	432	384	1,116	
Play Area	hectares	673,400	2,210,808	1,537,813	5,542,600	9,964,620	
Exploration Well Spacing	hectares	26,936	22,108	56,956	191,124	55,053	
Acres per Target	hectares	5,063	7,571	3,350	13,420	7,683	

- (1) Pool Size Limits: Basin Margin = 1.0 10⁹m³
 Listric Fault = 1.0 10⁹m³
 Colville Hills = 0.3 10⁹m³

- (2) Discovery total for the listric fault zone includes recent Langley discovery announced by Chevron.
 (3) Although some individual reservoirs do not meet the 10 BCF hurdle, the stacking of the reservoirs would give field totals that exceed the limit.
 (4) Cambrian SS play area continues south from Colville Hills into the Great Bear Plain, the discovered total includes the recently announced Nogha discovery by Paramount The discovery total reflects the number of Cambrian penetrations given in the study by the CGPC.

Table 8: Undiscovered OGIP and Total Resource Estimates - Established Plays - Imperial Units

Area			Mackenzie Delta & Beaufort Sea ²		Eagle Plain ³	Colville Hills ⁴		
Play			Basin Margin	Listric Fault	Various	Cambrian SS	Totals	
Discovered ¹ (P ₅₀)	No. of Fields		3	25	3	4	35	
	OGIP	BCF	2,562	9,614	144	869	13,188	
	Avg Size	BCF	854	385	48	217		
Undiscovered ¹ (Best Estimate)	No. of Fields		13	48	48	53	162	
	OGIP	BCF	2,961	12,416	607	5,674	21,659	
	Avg Size	BCF	228	259	13	107		
Total Resource			5,523	22,030	751	6,543	34,847	
Discovered ¹ (P ₉₀)	No. of Fields		3	21	3	4	31	
	OGIP	BCF	2,328	7,860	89	591	10,868	
	Avg Size	BCF	776	374	30	148		
Undiscovered ¹ (Low Estimate)	No. of Fields		7	46	20	44	117	
	OGIP	BCF	1,420	8,495	293	2,872	13,080	
	Avg Size	BCF	203	185	15	65		
Total Resource			3,749	16,355	382	3,463	23,948	
Discovered ¹ (P ₁₀)	No. of Fields		3	27	3	4	37	
	OGIP	BCF	2,806	11,596	218	1,294	15,913	
	Avg Size	BCF	935	429	73	323		
Undiscovered ¹ (High Estimate)	No. of Fields		20	62	82	59	223	
	OGIP	BCF	4,501	16,809	1,183	8,597	31,090	
	Avg Size	BCF	225	271	14	146		
Total Resource			7,307	28,404	1,401	9,891	47,003	
New Pool/New Field Wildcats			25	100	27	29	181	
Historical Discovery Rate			12%	25%	11%	14%	19%	
Suggested # Targets Required			108	192	432	384	1,116	
Play Area			acres	1,664,000	5,463,000	3,800,000	13,696,000	24,623,000
Exploration Well Spacing			acres	66,560	54,630	140,741	472,276	136,039
Acres per Target			acres	12,511	18,709	8,279	33,162	18,985

(1) Pool Size Limits: Basin Margin = 35 BCF
Listric Fault = 35 BCF
Colville Hills = 10 BCF

(2) Discovery total for the listric fault zone includes recent Langley discovery announced by Chevron.

(3) Although some individual reservoirs do not meet the 10 BCF hurdle, the stacking of the reservoirs would give field totals that exceed the limit.

(4) Cambrian SS play area continues south from Colville Hills into the Great Bear Plain, the discovered total includes the recently announced Nogha discovery by Paramount The discovery total reflects the number of Cambrian penetrations given in the study by the CGPC.

GAS SUPPLY FORECASTS

Gas Supply From Discovered Resources

Onshore Mackenzie Delta

A total of 18 fields containing non-associated gas have been discovered in the onshore region of the Mackenzie Delta. The recoverable marketable gas resources for these fields are summarized in Table 9.

Table 9: Onshore Mackenzie Delta – Discovered Recoverable Marketable Gas Resources

Fields	Source of Resource Estimate	Original Gas-In-Place	Average Recovery Factor	Recoverable Raw Gas	Average Surface Loss	Recoverable Sales Gas
<i>Metric Units</i>		10 ⁹ m ³		10 ⁹ m ³		10 ⁹ m ³
Anchor Fields	Operator	234.4	73.0%	171.2	5.8%	161.3
Remaining Fields	NEB P ₅₀	46.7	70.9%	33.1	6.3%	31.0
Totals		281.1	72.7%	204.3	5.9%	192.3
<i>Imperial Units</i>		TCF		TCF		TCF
Anchor Fields	Operator	8.273	73.0%	6.043	5.8%	5.694
Remaining Fields	NEB P ₅₀	1.647	70.9%	1.168	6.3%	1.095
Totals		9.920	72.7%	7.211	5.9%	6.789

The anchor fields include the Niglintgak, Parsons Lake and Taglu Fields. The remaining fields consist of the Adgo, Garry North, Garry South, Hansen, Kumak, Mallik, Pelly, Reindeer, Titalik, Tuk, Unak, Unipkat, Ya Ya North and Ya Ya South Fields. The Ikhil Field has been excluded from the resource supply as it is currently producing to supply gas for the town of Inuvik. The NEB resource estimates for each field are detailed in Metric units as shown previously in Table 5 and in Imperial units as shown previously in Table 6.

The identified recoverable sales gas resources include associated gas resources that are attributed to gas caps overlying oil zones. For the purpose of this study, the associated gas resources are not included in the available gas supply since the gas caps could not be blown down until a decision regarding development of the oil zone is finalized. Depletion of the oil zones is unlikely to occur during the time frame considered for this supply study.

An economic analysis was conducted for each of the discovered fields and those fields that were judged to be uneconomic to develop were excluded from the resource supply. The criterion for economic viability was a positive net present value for the after tax cash flow discounted at eight percent. Details regarding the economic analyses are included in the Economic Analysis section of this report. The economic analysis indicates that the Garry North, Unak and Unipkat Gas Fields are not economically viable to develop under forecast economic conditions. The Unak Field may become economic in the future as additional pools are discovered nearby, thereby decreasing the tie-in cost.

The resulting available recoverable sales gas and condensate volumes for the Mackenzie Gas Project are summarized in Table 10.

Table 10: Onshore Mackenzie Delta – Contingent Marketable Gas Resources

Fields	Technically Recoverable Sales Gas	Recoverable Associated Sales Gas	Recoverable Non-Associated Sales Gas	Economically Recoverable Sales Gas	Economically Recoverable Condensate
<i>Metric Units</i>	10 ⁹ m ³	10 ⁹ m ³	10 ⁹ m ³	10 ⁹ m ³	10 ³ m ³
Anchor Fields	161.3	0	161.3	161.3	7,653
Remaining Fields	31.0	6.60	24.4	22.7	2,122
Totals	192.3	6.60	185.7	184.0	9,775
<i>Imperial Units</i>	TCF	TCF	TCF	TCF	MMBBLs
Anchor Fields	5.694	0	5.694	5.694	48.1
Remaining Fields	1.095	0.233	0.861	0.801	13.4
Totals	6.789	0.233	6.555	6.495	61.5

The operators provided sales gas and condensate production forecasts for the anchor fields. GLJ used the following procedure to determine the production forecasts for the remaining fields:

- 1) The publicly available test data from the discovery wells in the remaining fields was reviewed to determine the expected deliverability of development wells in each field.
- 2) The initial production rate for each field was determined using a resources life index of eight years. For the smaller fields with high deliverability, a lower resources life index was used. It was assumed that the production rates for each field would not be limited by the 15 to 20 year firm transportation nomination requirements of the pipeline, as this would not be economically attractive for the smaller fields. It is expected that operators for these fields would continue to explore for natural gas resources that would fill their transportation commitments.
- 3) The number of wells required to develop each field was determined from the deliverability profile that is required to provide a production plateau rate of four to five years from each field with final decline rates of 18 to 23%. The smaller fields with high deliverability have a higher forecast decline rate. Where resources have been assigned to multiple zones or fault blocks, a check was made to ensure that sufficient wells were being drilled for adequate drainage.
- 4) It was assumed that all of these fields would be placed on production in 2011 and 2012.

Sales gas production forecasts for the contingent resources of the onshore Mackenzie Delta fields are presented in Metric units (Table 11, at the end of this section) and in Imperial units (Table 12, at the end of this section). Condensate production forecasts for the contingent resources of the onshore Mackenzie Delta fields are presented in Metric units (Table 13, at the end of this section) and in Imperial units (Table 14, at the end of this section). Sales gas production forecasts for each of the anchor fields and the remaining fields as a group are illustrated on Figure 31.

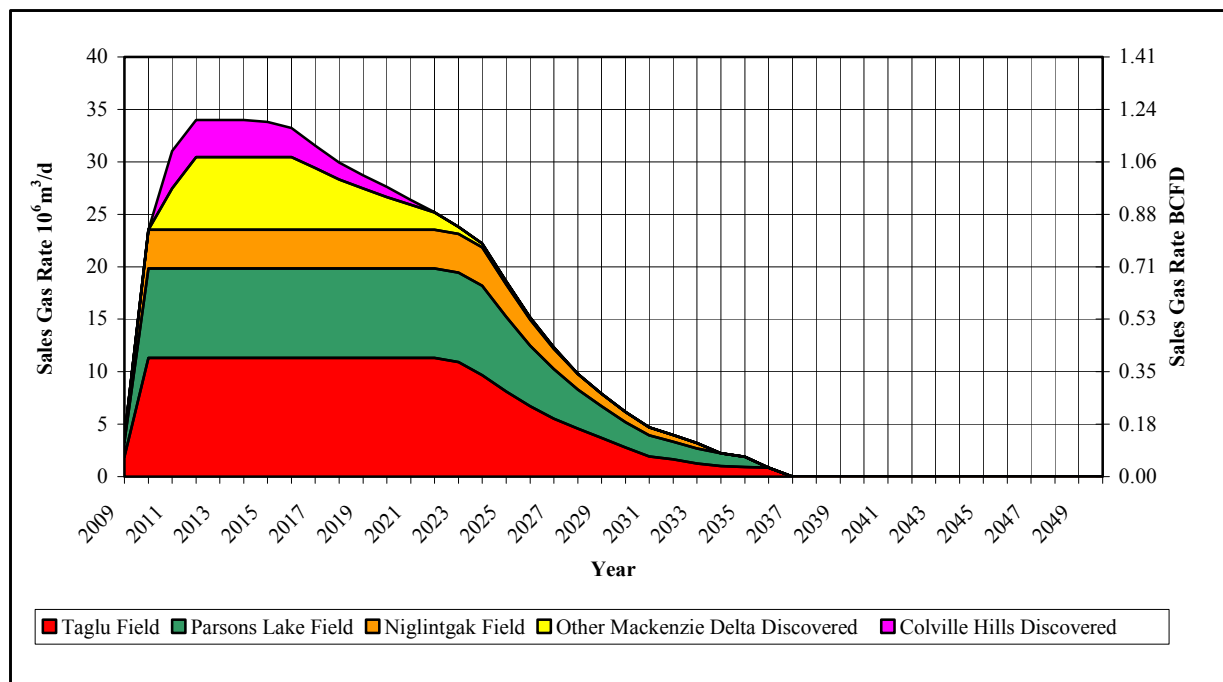


Figure 31: Gas Supply – Contingent Onshore Resources

Colville Hills

Three gas fields have been discovered and assigned resources by the NEB in the Colville Hills region. The contingent sales gas resources for these fields are summarized in Table 15.

Table 15: Colville Hills – Contingent Marketable Gas Resources

Fields	Source of Resource Estimate	Original Gas-In-Place	Average Recovery Factor	Recoverable Raw Gas	Average Surface Loss	Recoverable Sales Gas
Metric Units		10^9m^3		10^9m^3		10^9m^3
Bele	NEB P ₅₀	7.71	62%	4.79	5%	4.62
Tedji	NEB P ₅₀	1.44	70%	1.02	5%	0.96
Tweed	NEB P ₅₀	15.47	35%	5.47	5%	5.18
Totals		24.62	46%	11.27	5%	10.76
Economic Totals		23.18	44%	10.25	5%	9.80
Imperial Units		BCF		BCF		BCF
Bele	NEB P ₅₀	272	62%	169	5%	163
Tedji	NEB P ₅₀	51	70%	36	5%	34
Tweed	NEB P ₅₀	546	35%	193	5%	183
Totals		869	46%	398	5%	380
Economic Totals		818	44%	362	5%	346

The Bele Field is located approximately 105 kilometres from the planned Mackenzie Valley pipeline route. The economic analysis indicates that the Bele and Tweed Fields will be economic

to develop and will support the construction of the connecting pipeline. The Tedji Field may become economic in the future as additional pools are discovered nearby, thereby decreasing the tie-in cost. Recoverable gas resources from the Tedji Field are included as contingent resources only when the prospective resources are included in the gas supply forecasts.

Sales gas production forecasts for the contingent gas resources in the Colville Hills region are also presented in Metric units (Table 11, at the end of this section) and in Imperial units (Table 12, at the end of this section) and illustrated as shown previously on Figure 31.

Eagle Plain

Three gas fields have been discovered and assigned resources by the NEB in the Eagle Plain region of the Yukon Territory. The discovered recoverable sales gas resources for these fields are summarized in Table 16.

The Eagle Plain fields are located approximately 300 kilometres from the planned Mackenzie Valley pipeline route. These fields are uneconomic to tie-in on a stand-alone basis, but may become economic in the future as additional pools are discovered nearby, thereby decreasing the tie-in cost per unit of production.

Table 16: Eagle Plain – Discovered Recoverable Marketable Gas Resources

Fields	Source of Resource Estimate	Original Gas-In-Place	Average Recovery Factor	Recoverable Raw Gas	Average Surface Loss	Recoverable Sales Gas
<i>Metric Units</i>		10 ⁹ m ³		10 ⁹ m ³		10 ⁹ m ³
Birch	NEB P ₅₀	0.39	68%	0.27	5%	0.25
Blackie	NEB P ₅₀	1.48	45%	0.67	5%	0.64
Chance	NEB P ₅₀	2.21	66%	1.46	5%	1.39
Totals		4.08	59%	2.40	5%	2.28
<i>Imperial Units</i>		BCF		BCF		BCF
Birch	NEB P ₅₀	13.8	68%	9.4	5%	8.9
Blackie	NEB P ₅₀	52.2	45%	23.7	5%	22.5
Chance	NEB P ₅₀	78.0	66%	51.6	5%	49.0
Totals		144.0	59%	84.7	5%	80.4

Offshore Mackenzie Delta (Beaufort Sea)

A total of 16 fields containing non-associated gas have been discovered in the offshore region of the Mackenzie Delta in a water depth of less than 30 metres. The identified discovered recoverable sales gas resources of the two largest fields and the remaining fields are summarized in Table 17.

Table 17: Beaufort Sea – Discovered Recoverable Marketable Gas Resources

Fields	Source of Resource Estimate	Original Gas-In-Place	Average Recovery Factor	Recoverable Raw Gas	Average Surface Loss	Recoverable Sales Gas
Metric Units		10 ⁹ m ³		10 ⁹ m ³		10 ⁹ m ³
Amauligak	NEB P ₅₀	55.21	78%	43.23	9.9%	38.95
Issungnak	NEB P ₅₀	41.95	80%	33.57	5.5%	31.70
Remaining Fields	NEB P ₅₀	40.00	73%	29.12	5.1%	27.65
Totals		137.17	77%	105.92	7.2%	98.30
Imperial Units		TCF		TCF		TCF
Amauligak	NEB P ₅₀	1.949	78%	1.526	9.9%	1.375
Issungnak	NEB P ₅₀	1.481	80%	1.185	5.5%	1.119
Remaining Fields	NEB P ₅₀	1.412	73%	1.028	5.1%	0.976
Totals		4.842	77%	3.739	7.2%	3.470

The NEB resource estimates for each field are detailed in Metric units as shown previously in Table 5 and in Imperial units as shown previously in Table 6.

The identified discovered recoverable sales gas resources include associated gas resources that are attributed to gas caps overlying oil zones. For the purpose of this study, the associated gas resources are not included in the gas supply forecast since the gas caps could not be blown down until a decision regarding development of the oil zone is finalized. Depletion of the oil zones is unlikely to occur during the time frame considered for this supply study.

An economic analysis was conducted for each of the discovered fields and those fields that were judged to be uneconomic to develop were excluded from the resource supply. The criterion for economic viability was a positive net present value for the after tax cash flow discounted at eight percent. Details regarding the economic analyses are included in the Economic Analysis section of this report. The economic analysis indicates that only the Amauligak and Issungnak Fields are economic to develop on a stand-alone basis utilizing artificial production islands. The Itiyok and South Isserk Fields are economic to develop as a subsea tieback to the Issungnak Field. The Ukalerk Field is economic to develop as a subsea tieback to the Amauligak Field. The Kadluk, Kiggavik, Minuk, Netserk and South Nipterk Fields are economic to develop on a project basis with two islands located over the Kadluk and South Nipterk Fields and the remaining fields developed as a subsea tieback to the islands.

Information filed with the NEB by Esso Resources Canada Limited in September 1988 indicates the possibility of an oil column in the A and B Zones of the Issungnak reservoir, which are the major gas-bearing zone. The presence of an oil column may delay the blowdown of the gas cap. For the purpose of this study, the NEB interpretation with no oil column present was accepted.

The resulting contingent sales gas and condensate resources are summarized in Table 18.

Table 18: Beaufort Sea – Contingent Marketable Gas Resources

Fields	Technically Recoverable Sales Gas	Recoverable Associated Sales Gas	Recoverable Non-Associated Sales Gas	Economically Recoverable Sales Gas	Economically Recoverable Condensate
<i>Metric Units</i>	10 ⁹ m ³	10 ⁹ m ³	10 ⁹ m ³	10 ⁹ m ³	10 ³ m ³
Amauligak	38.95	13.3	25.6	25.6	0
Issungnak	31.70	0.4	31.3	30.2	202.5
Remaining Fields	27.65	2.5	25.2	22.4	46.3
Totals	98.30	16.2	82.1	78.2	248.8
<i>Imperial Units</i>	TCF	TCF	TCF	TCF	MMBBLs
Amauligak	1.375	0.470	0.904	0.905	0.0
Issungnak	1.119	0.013	1.106	1.067	1.3
Remaining Fields	0.976	0.087	0.889	0.788	0.3
Totals	3.470	0.570	2.900	2.760	1.6

GLJ used the following procedure to determine the production forecasts for the offshore fields:

- 1) The publicly available test data from the discovery wells in each field was reviewed to determine the expected deliverability of wells in each field.
- 2) The initial production rates for the Amauligak and Issungnak Fields was determined using a resources life index of 12 and 16 years, respectively. The initial production rates for the remaining fields were determined using a resources life index of five to eight years.
- 3) The number of wells required to develop each field was determined from the deliverability profile that is required to provide a production plateau rate that represents about 60% of the resources life index.
- 4) The offshore fields were scheduled to be placed on production after the onshore contingent and prospective resources.

Gas Supply From Undiscovered Resources

The best estimate for the undiscovered OGIP from established plays was discussed in the section titled Undiscovered Resources and is summarized in Metric units as shown previously in Table 7 and in Imperial units as shown previously in Table 8. For the purpose of establishing economically recoverable undiscovered gas resources, it was necessary to separate the estimate into offshore and onshore regions. The Basin Margin play is located entirely onshore within the Mackenzie Delta. Approximately one third of the Listic Fault play is located onshore with the remainder lying offshore within the depth limit of 30 metres in the Beaufort Sea.

The resulting distribution of the undiscovered OGIP, prior to adjustments for economic limits and associated gas are summarized in Table 19.

Table 19: Distribution of Undiscovered OGIP

Area	Play	OGIP	Number of Potential Fields	Average OGIP/Field
Metric Units		10 ⁹ m ³		10 ⁹ m ³
Mackenzie Delta	Basin Margin	83.9	13	6.5
Mackenzie Delta	Listric Fault Zone	114.1	16	7.1
Beaufort Sea	Listric Fault Zone	237.6	32	7.4
Eagle Plain	Various	17.2	48	0.4
Colville Hills	Cambrian Sandstone	160.7	53	3.0
Totals		613.6	162	
Imperial Units		TCF		TCF
Mackenzie Delta	Basin Margin	2.96	13	0.23
Mackenzie Delta	Listric Fault Zone	4.03	16	0.25
Beaufort Sea	Listric Fault Zone	8.39	32	0.26
Eagle Plain	Various	0.61	48	0.01
Colville Hills	Cambrian Sandstone	5.67	53	0.11
Totals		21.66	162	

The undiscovered recoverable sales gas resources are estimated as shown in Table 20.

Table 20: Summary of Undiscovered Recoverable Marketable Gas Resources

Area	Play	OGIP	Recovery Factor	Recoverable Raw Gas	Surface Loss	Recoverable Sales Gas
Metric Units		10 ⁹ m ³		10 ⁹ m ³		10 ⁹ m ³
Mackenzie Delta	Basin Margin	83.9	70%	58.73	6%	55.2
Mackenzie Delta	Listric Fault Zone	114.1	70%	79.89	6%	75.1
Beaufort Sea	Listric Fault Zone	237.6	70%	166.29	6%	156.4
Eagle Plain	Various	17.2	70%	12.04	5%	11.4
Colville Hills	Cambrian Sandstone	160.7	46%	73.94	5%	70.3
Totals		613.6	64%	390.89	6%	368.3
Imperial Units		TCF		TCF		TCF
Mackenzie Delta	Basin Margin	2.96	70%	2.07	6%	1.95
Mackenzie Delta	Listric Fault Zone	4.03	70%	2.82	6%	2.65
Beaufort Sea	Listric Fault Zone	8.39	70%	5.87	6%	5.52
Eagle Plain	Various	0.61	70%	0.43	5%	0.40
Colville Hills	Cambrian Sandstone	5.67	46%	2.61	5%	2.48
Totals		21.66	64%	13.80	6%	13.00

The non-associated gas portion of the undiscovered recoverable resources is estimated to be 100% in the Basin Margin play, 95% in the onshore Listric Fault play and 80% in the offshore Listric Fault play, based on ratios determined from the resource estimates of the discovered fields. Consistent with the analysis of the discovered pools, the associated gas portion of the undiscovered recoverable resource base will be excluded from the gas supply study.

An economic analysis was conducted to determine the minimum reservoir size that would have to be discovered in order to be economically viable to develop. For the onshore Mackenzie Delta region, the minimum OGIP for a discovered entity to be economic was estimated to be $1.0 \times 10^9 \text{ m}^3$ (35 BCF).

The Eagle Plain area is uneconomic to develop given the expected small average pool size and the cost of the connecting pipeline required to transport gas 300 kilometres to the Mackenzie Valley pipeline. For the Colville Hills area, the minimum OGIP for a discovered entity to be economic was estimated to be $0.5 \times 10^9 \text{ m}^3$ (18 BCF).

For the Beaufort Sea region, minimum economic reservoir size is largely dependent on water depth due to the high cost of constructing artificial islands. At an average water depth of 12 metres, the minimum OGIP for a discovered entity to be economic was estimated to be $9.9 \times 10^9 \text{ m}^3$ (350 BCF) when the construction of an artificial production island was required. If a discovered pool was developed as a subsea tieback to an island, the minimum OGIP for a discovered entity to be economic was estimated to be $3.3 \times 10^9 \text{ m}^3$ (115 BCF). It is unrealistic to expect that all discovered resources would be of sufficient size, in a favorable water depth and within proximity of infrastructure to permit near to medium-term economic development. In consideration of this, a factor of 60% was applied to the undiscovered offshore resources to account for uneconomic or stranded resources. The 60% factor is equivalent to the two largest undiscovered pools plus half of the remaining pools with an OGIP above $3.3 \times 10^9 \text{ m}^3$ (115 BCF).

The resulting available prospective sales gas resources for the Mackenzie Gas Project are summarized in Table 21.

Table 21: Summary of Prospective Marketable Gas Resources

Area/Play	Technically Recoverable Sales Gas	Recoverable Associated Sales Gas	Recoverable Non-Associated Sales Gas	Economically Recoverable Sales Gas
Metric Units	10^9 m^3	10^9 m^3	10^9 m^3	10^9 m^3
Mackenzie Delta/Basin Margin	55.2	0	55.2	55.2
Mackenzie Delta/Listric Fault	75.1	3.8	71.3	71.3
Beaufort Sea/Listric Fault	156.4	31.3	125.1	75.0
Eagle Plain	11.4	0	11.4	0.0
Colville Hills	70.3	0	70.3	68.4
Totals	368.3	35.0	333.3	269.9
Imperial Units	TCF	TCF	TCF	TCF
Mackenzie Delta/Basin Margin	1.95	0.00	1.95	1.95
Mackenzie Delta/Listric Fault	2.65	0.13	2.52	2.52
Beaufort Sea/Listric Fault	5.52	1.10	4.42	2.65
Eagle Plain	0.40	0.00	0.40	0.00
Colville Hills	2.48	0.00	2.48	2.41
Totals	13.00	1.24	11.77	9.53

Average condensate yields are estimated from the discovered resources to be $84 \text{ m}^3/10^6\text{m}^3$ (15.2 BBLs/MMCF) of sales gas for the Basin Margin play, $45 \text{ m}^3/10^6\text{m}^3$ (8.8 BBLs/MMCF) of sales gas for the onshore Listric Fault play and only $6 \text{ m}^3/10^6\text{m}^3$ (0.9 BBLs/MMCF) of sales gas for the offshore Listric Fault play. Condensate yields are based on NEB published values and may be understated for some pools due to limited available data.

It is unrealistic to expect that all of the prospective resources will be discovered during the term of this study. In consideration of this, it was assumed that a maximum of 75% of the prospective resources would be discovered over an exploration period of 25 years commencing in 2004. Resources were forecast to require a minimum of five years to be developed and placed on production after discovery. Off-take rate was based on an initial resources life index of 10 years with the prospective resources commencing production in 2013. A similar approach was employed in extrapolating expected production from the prospective resources over the term of this study.

The pace of exploration spending and the finding cost will drive the gas supply forecast for the prospective resources. Estimation of gas supply potential from prospective resources, included a review of the following:

- 1) Historical activity relating to gas discoveries including seismic and drilling.
- 2) Estimates of historical expenditures relating to oil and gas exploration.
- 3) Determination of historical finding costs.
- 4) Existing exploration licenses and related work commitments.

Historical capital expenditures are not publicly available over the entire period of exploration in these areas. Since the intent of these calculations is to determine finding costs on a current basis, the estimated current drilling and seismic costs were applied to the historical exploration wells to determine the exploration costs in each area as summarized in Table 22.

Table 22: Summary of Exploration Costs per Well

Area/Play	Current Drilling Costs (\$/Metre)	Average Well Depth (Metres)	Average Drilling Cost/Well (\$MM)	Estimated Seismic Cost/Well (\$MM)	Total Cost/Well (\$MM)
Mackenzie Delta/Basin Margin	5,000	2,400	12.0	12.0	24.0
Mackenzie Delta/Listric Fault	5,000	2,800	14.0	12.0	26.0
Beaufort Sea/Listric Fault	15,000	3,000	45.0	15.0	60.0
Colville Hills	2,000	1,400	2.8	2.8	5.6

The exploration cost data is derived from costs presented in the Northern Oil and Gas Annual Reports published by the Department of Indian Affairs and Northern Development. The finding cost on a $\$/10^3\text{m}^3$ ($\$/\text{MCF}$) basis was calculated as the exploration cost divided by the economically recoverable discovered gas resource in each area and is summarized in Table 23.

Table 23: Summary of Resource Finding Costs

Area/Play	Number Of Exploration Wells	Estimated Exploration Cost	Economic Recoverable Resource ¹	Estimated Finding Cost	Adjusted Finding Cost
Metric Units		\$MM	10 ⁹ m ³	\$/10 ³ m ³	\$/10 ³ m ³
Mackenzie Delta/Basin Margin	25	600	40.8	14.71	42.00
Mackenzie Delta/Listric Fault	64	1,664	96.8	17.19	25.00
Beaufort Sea/Listric Fault	36	2,160	79.3	27.23	25.00
Colville Hills	29	162	9.8	16.53	17.50
Imperial Units		\$MM	TCF	\$/MCF	\$/MCF
Mackenzie Delta/Basin Margin	25	600	1.44	0.42	1.20
Mackenzie Delta/Listric Fault	64	1,664	3.42	0.49	0.70
Beaufort Sea/Listric Fault	36	2,160	2.80	0.77	0.70
Colville Hills	29	162	0.35	0.47	0.50

1) Includes NEB P₅₀ resource estimates for the anchor fields.

The adjusted finding cost reflects the expectation that the average pool size for the future discoveries will be different than that of the discovered pools.

Currently, 15 exploration licenses have been granted in the Mackenzie Delta onshore and offshore regions with total minimum capital commitments of \$664 million relating to these licenses as of January 1, 2003. The majority of the current exploration licenses expire (primary term) in August 2005. Therefore, it is expected that annual capital expenditures in these regions will average approximately \$220 million per year for the period from 2003 to 2005.

Three exploration licenses have been granted in the Colville Hills region with total minimum capital commitments of \$36.7 million relating to these licenses as of January 1, 2003. These exploration licenses expire (primary term) by September 2005. Therefore, it is expected that annual capital expenditures in these regions will average approximately \$12 million per year for the period from 2003 to 2005.

For the purpose of this study, the pace of exploration spending was forecast to continue at the level forecast for 2004 and 2005 in the Mackenzie Delta and Beaufort Sea regions. In the Colville Hills region, the pace of exploration was forecast to increase from two wells per year in 2004 to twelve wells per year by 2011 to provide sufficient gas volumes to keep the pipeline filled.

Sales gas production forecasts for contingent and prospective resources located onshore are summarized in Table 24 in Metric units and Table 25 in Imperial units (at the end of this section). Condensate production forecasts for contingent and prospective resources located onshore are summarized in Table 26 in Metric units and Table 27 in Imperial units (at the end of this section).

Sales gas production forecasts for onshore contingent and prospective resources are illustrated on Figure 32.

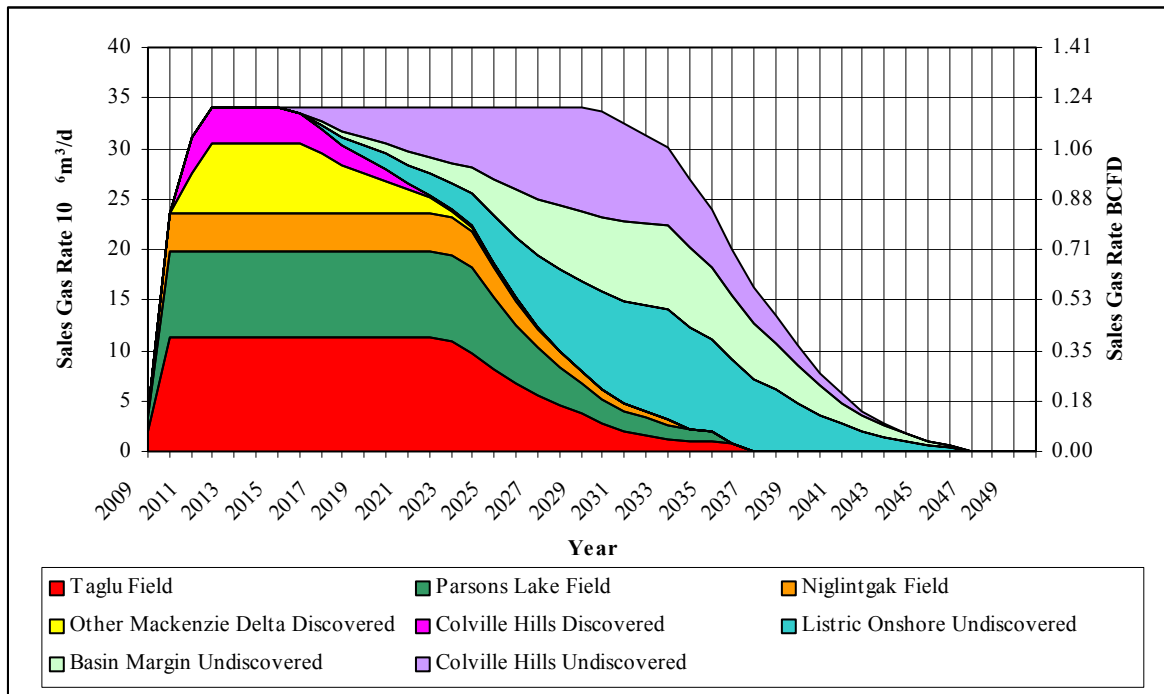


Figure 32: Gas Supply – Contingent and Prospective Onshore Resources

Sales gas production forecasts for onshore plus offshore contingent and prospective resources are illustrated on Figure 33.

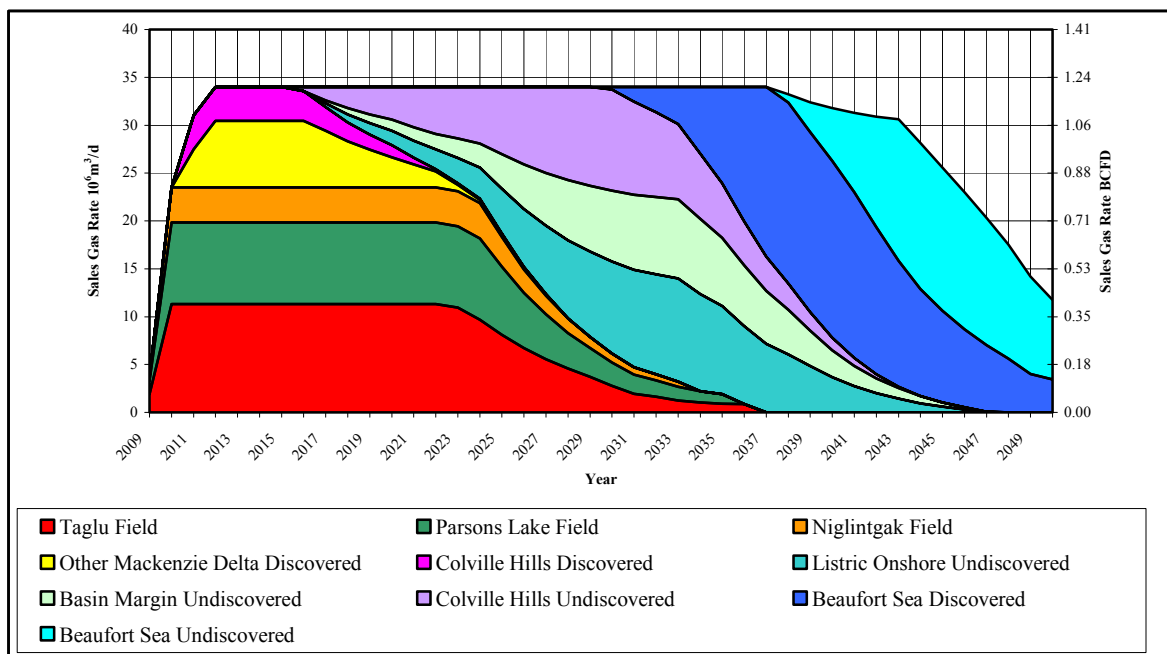


Figure 33: Gas Supply – Contingent and Prospective Onshore and Offshore Resources

Sales gas production forecasts for the contingent resources located offshore are summarized in Metric units (Table 28, at the end of this section) and in Imperial units (Table 29, at the end of this section). Condensate production forecasts for the contingent resources located offshore are summarized in Metric units (Table 30, at the end of this section) and in Imperial units (Table 31, at the end of this section). Sales gas production forecasts for contingent and prospective resources located onshore and offshore are summarized in Metric units (Table 32, at the end of this section) and in Imperial units (Table 33, at the end of this section). Condensate production forecasts for contingent and prospective resources located onshore and offshore are summarized in Metric units (Table 34, at the end of this section) and in Imperial units (Table 35, at the end of this section).

Sensitivities

Expanded Pipeline Capacity

The planned Mackenzie Valley pipeline is expandable to 51 10⁶m³/day (1.8 BCFD) with the installation of additional compression.

Accelerated exploration or development of resources in the Beaufort Sea could trigger expansion of the pipeline. With pipeline expansion, production from the discovered onshore resources does not increase appreciably. Development of the Amauligak and Issungnak Fields could occur five to six years after development of the anchor fields at the earliest. For the purpose of this study, it is forecast that the Issungnak Field will be placed on production in 2016 followed by the Amauligak Field in 2021. Sales gas production forecasts for the discovered and undiscovered onshore and offshore fields with the expanded pipeline capacity are presented on Figure 34.

Sales gas production forecasts for the onshore and offshore contingent and prospective resources with the expanded pipeline capacity have been prepared and are presented in Metric units (Table 36, at the end of this section) and in Imperial units (Table 37, at the end of this section). Condensate production forecasts for the onshore and offshore contingent and prospective resources with the expanded pipeline capacity have been prepared and are presented in Metric units (Table 38, at the end of this section) and in Imperial units (Table 39, at the end of this section).

NEB P₅₀ Resource Estimates

The NEB resource estimates for the three anchor fields total 114.1 10⁹m³ (4.0 TCF) versus the operator's estimate of 161.3 10⁹m³ (5.7 TCF). Sales gas production forecasts for the onshore and offshore contingent and prospective resources have been prepared using the NEB estimates and are presented in Table 40 in Metric units and Table 41 in Imperial units (at the end of this section). Condensate production forecasts for the onshore and offshore contingent and prospective resources have been prepared using the NEB estimates and are presented in Table 42 in Metric units and Table 43 in Imperial units (at the end of this section). Sales gas production forecasts for the onshore and offshore including both the contingent and prospective resources with the design pipeline capacity are illustrated on Figure 35.

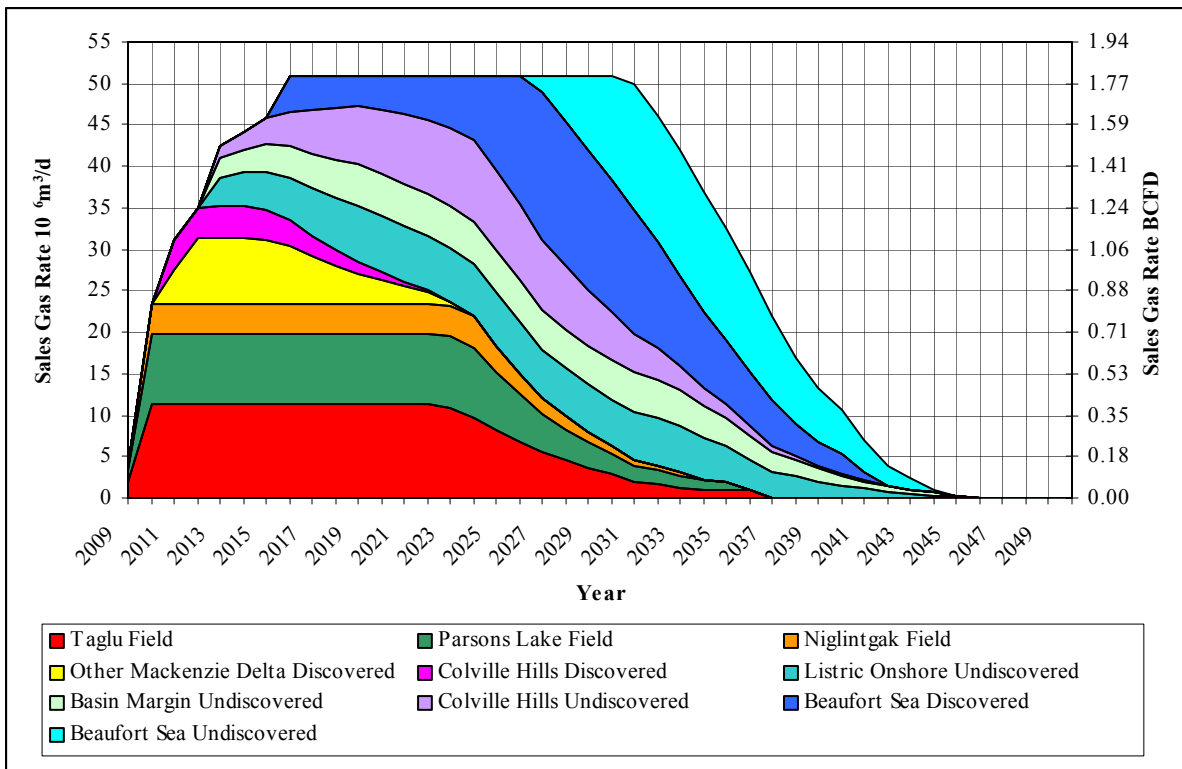


Figure 34: Gas Supply – Sensitivity with Increased Pipeline Capacity

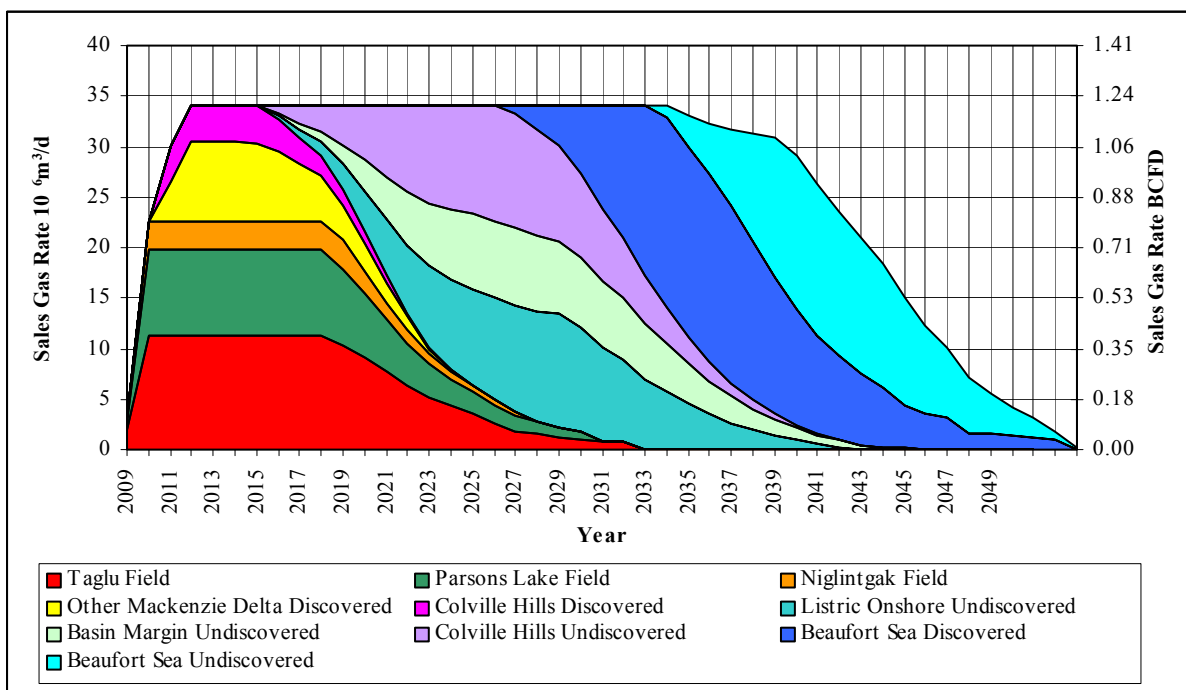


Figure 35: Gas Supply – Sensitivity with NEB P₅₀ Resource Estimates

Use of the NEB P₅₀ resource estimates reduces the plateau rate production period by three years.

Table 11: Sales Gas Production Forecasts - Contingent Onshore Resources - Metric Units

Best Estimate Case with Pipeline Capacity of 34 10 ⁶ m ³ /d																					
Year	Total 10 ⁶ m ³ /d	Total Mackenzie Delta 10 ⁶ m ³ /d	"Anchor Fields"			Mackenzie Delta "Non-Anchor" Fields													Colville Hills		
			Taglu 10 ⁶ m ³ /d	Parsons Lake 10 ⁶ m ³ /d	Niglintgak 10 ⁶ m ³ /d	Total 10 ⁶ m ³ /d	Adgo 10 ⁶ m ³ /d	Garry South 10 ⁶ m ³ /d	Hansen 10 ⁶ m ³ /d	Kumak 10 ⁶ m ³ /d	Mallik 10 ⁶ m ³ /d	Pelly 10 ⁶ m ³ /d	Reindeer 10 ⁶ m ³ /d	Titalik 10 ⁶ m ³ /d	Tuk 10 ⁶ m ³ /d	Ya Ya North 10 ⁶ m ³ /d	Ya Ya South 10 ⁶ m ³ /d	Total 10 ⁶ m ³ /d	Bele 10 ⁶ m ³ /d	Tweed 10 ⁶ m ³ /d	
2009	3.8	3.8	1.9	1.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2010	23.5	23.5	11.3	8.5	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2011	31.0	27.5	11.3	8.5	3.7	4.0	0.0	0.0	0.0	0.3	0.3	0.0	0.2	0.5	1.8	0.5	0.4	3.6	1.8	1.8	
2012	34.0	30.5	11.3	8.5	3.7	6.9	1.0	0.9	1.1	0.3	0.3	0.0	0.2	0.5	1.8	0.5	0.4	3.5	1.8	1.8	
2013	34.0	30.5	11.3	8.5	3.7	6.9	1.0	0.9	1.1	0.3	0.3	0.0	0.2	0.5	1.8	0.5	0.4	3.5	1.8	1.8	
2014	34.0	30.5	11.3	8.5	3.7	6.9	1.0	0.9	1.1	0.3	0.3	0.0	0.2	0.5	1.8	0.5	0.4	3.5	1.8	1.8	
2015	33.8	30.5	11.3	8.5	3.7	6.9	1.0	0.9	1.1	0.2	0.3	0.2	0.2	0.5	1.6	0.5	0.4	3.3	1.6	1.8	
2016	33.2	30.5	11.3	8.5	3.7	6.9	1.0	0.8	1.1	0.2	0.3	0.8	0.1	0.5	1.3	0.4	0.4	2.8	1.2	1.6	
2017	31.5	29.4	11.3	8.5	3.7	5.9	0.9	0.6	1.0	0.1	0.2	0.9	0.1	0.4	1.1	0.3	0.3	2.1	0.9	1.2	
2018	29.9	28.3	11.3	8.5	3.7	4.8	0.7	0.5	0.7	0.1	0.1	0.9	0.1	0.3	0.9	0.3	0.2	1.6	0.7	0.9	
2019	28.7	27.4	11.3	8.5	3.7	3.9	0.5	0.4	0.6	0.1	0.1	0.9	0.0	0.2	0.7	0.2	0.2	1.2	0.5	0.7	
2020	27.6	26.6	11.3	8.5	3.7	3.1	0.4	0.4	0.4	0.1	0.1	0.8	0.0	0.2	0.6	0.2	0.1	1.0	0.4	0.5	
2021	26.3	25.9	11.3	8.5	3.7	2.4	0.3	0.3	0.3	0.0	0.0	0.6	0.0	0.1	0.5	0.1	0.1	0.4	0.0	0.4	
2022	25.2	25.2	11.3	8.5	3.7	1.7	0.2	0.2	0.3	0.0	0.0	0.5	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	
2023	23.8	23.8	10.9	8.5	3.7	0.7	0.0	0.2	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2024	22.0	22.0	9.7	8.2	3.7	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2025	18.1	18.1	8.1	6.7	3.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2026	14.8	14.8	6.7	5.4	2.4	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2027	12.1	12.1	5.5	4.5	1.9	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2028	9.9	9.9	4.6	3.8	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2029	8.5	8.5	3.7	3.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2030	6.6	6.6	2.8	2.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2031	5.1	5.1	1.9	2.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2032	4.3	4.3	1.6	2.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2033	3.5	3.5	1.2	1.7	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2034	2.5	2.5	1.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2035	2.2	2.2	0.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2036	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2037	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2038	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2039	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2040	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2041	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2042	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2043	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2044	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2045	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2046	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2047	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2048	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2049	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2050	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Total (10 ⁹ m ³)	193.8	184.0	76.2	60.1	25.0	22.7	3.0	2.5	3.2	0.6	0.8	2.6	0.4	1.6	5.2	1.5	1.3	9.8	4.6	5.2	

Table 12: Sales Gas Production Forecasts - Contingent Onshore Resources - Imperial Units

Best Estimate Case with Pipeline Capacity of 1.2 BCFD																				
Year	Total Mackenzie Delta MMCFD	"Anchor Fields"				Mackenzie Delta "Non-Anchor" Fields												Colville Hills		
		Total Mackenzie Delta MMCFD	Taglu MMCFD	Parsons Lake MMCFD	Niglintgak MMCFD	Total MMCFD	Adgo MMCFD	Garry South MMCFD	Hansen MMCFD	Kumak MMCFD	Mallik MMCFD	Pelly MMCFD	Reindeer MMCFD	Titalik MMCFD	Tuk MMCFD	Ya Ya North MMCFD	Ya Ya South MMCFD	Total MMCFD	Bele MMCFD	Tweed MMCFD
2009	132.5	132.5	66.7	50.0	15.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2010	830.0	830.0	400.0	300.0	130.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2011	1095.5	969.6	400.0	300.0	130.0	139.6	0.0	0.0	0.0	8.9	9.5	0.0	6.1	18.9	62.4	17.9	15.8	125.8	62.9	62.9
2012	1200.0	1075.0	400.0	300.0	130.0	245.0	35.9	30.6	38.6	8.9	9.5	0.3	6.1	18.9	62.4	17.9	15.8	125.0	62.9	62.1
2013	1200.0	1075.0	400.0	300.0	130.0	245.0	35.9	30.6	38.6	8.9	9.5	0.3	6.1	18.9	62.4	17.9	15.8	125.0	62.9	62.1
2014	1200.0	1075.0	400.0	300.0	130.0	245.0	35.9	30.6	38.6	8.9	9.5	0.3	6.1	18.9	62.4	17.9	15.8	125.0	62.9	62.1
2015	1193.0	1075.0	400.0	300.0	130.0	245.0	35.9	30.6	38.6	7.8	9.5	7.3	6.1	18.9	56.5	17.9	15.8	118.0	55.1	62.9
2016	1172.9	1075.0	400.0	300.0	130.0	245.0	35.9	27.7	38.6	6.0	9.5	30.0	5.0	16.5	46.2	15.7	13.8	97.9	42.2	55.7
2017	1113.5	1038.5	400.0	300.0	130.0	208.5	31.4	22.7	33.8	4.6	7.8	31.7	3.4	12.7	37.9	12.0	10.6	75.0	32.4	42.7
2018	1056.9	999.4	400.0	300.0	130.0	169.4	24.1	18.6	25.9	3.5	5.2	31.7	2.3	9.7	31.0	9.2	8.1	57.5	24.8	32.7
2019	1013.1	969.0	400.0	300.0	130.0	139.0	18.5	15.2	19.8	2.7	3.5	31.5	1.5	7.4	25.4	7.1	6.2	44.1	19.0	25.1
2020	974.4	940.6	400.0	300.0	130.0	110.6	14.2	12.5	15.2	2.1	2.4	27.5	0.1	5.7	20.8	5.4	4.8	33.8	14.6	19.2
2021	930.2	914.7	400.0	300.0	130.0	84.7	10.9	10.2	11.7	0.1	0.1	22.5	0.0	4.4	17.0	4.2	3.7	15.4	0.7	14.7
2022	889.9	888.6	400.0	300.0	130.0	58.6	8.3	8.4	8.9	0.0	0.0	18.5	0.0	0.2	14.0	0.2	0.2	1.2	0.0	1.2
2023	839.6	839.6	386.0	300.0	130.0	23.6	0.4	6.8	0.4	0.0	0.0	15.1	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0
2024	774.9	774.9	341.6	290.6	130.0	12.8	0.0	0.4	0.0	0.0	0.0	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	638.9	638.9	286.6	236.0	106.2	10.1	0.0	0.0	0.0	0.0	0.0	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	520.8	520.8	236.7	191.2	84.6	8.3	0.0	0.0	0.0	0.0	0.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2027	426.8	426.8	195.2	159.4	66.3	5.9	0.0	0.0	0.0	0.0	0.0	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2028	349.4	349.4	161.8	135.8	51.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2029	298.4	298.4	130.7	126.9	40.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2030	234.5	234.5	98.0	104.0	32.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2031	181.7	181.7	68.3	87.2	26.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2032	151.2	151.2	58.1	71.5	21.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2033	123.0	123.0	43.9	60.9	18.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2034	89.3	89.3	36.0	53.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2035	78.9	78.9	32.0	46.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2036	30.1	30.1	30.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2037	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2038	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2039	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2040	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2041	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2042	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2043	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2044	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2045	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2046	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2047	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2048	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2049	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2050	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total (BCF)	6839.8	6495.3	2690.6	2122.0	881.1	801.6	104.9	89.4	112.7	22.8	27.8	92.5	15.7	55.1	182.2	52.3	46.2	344.5	160.8	183.7

Table 13: Condensate Production Forecasts - Contingent Onshore Resources - Metric Units

Best Estimate Case with Pipeline Capacity of 34 10 ⁶ m ³ /d																
Year	Total m ³ /d	"Anchor Fields"			Mackenzie Delta "Non-Anchor" Fields											
		Taglu m ³ /d	Parsons Lake m ³ /d	Niglintgak m ³ /d	Total m ³ /d	Adgo m ³ /d	Garry South m ³ /d	Hansen m ³ /d	Kumak m ³ /d	Mallik m ³ /d	Pelly m ³ /d	Reindeer m ³ /d	Titalik m ³ /d	Tuk m ³ /d	Ya Ya North m ³ /d	Ya Ya South m ³ /d
2009	268.8	183.8	84.2	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2010	1598.5	1090.3	501.2	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2011	2122.7	1016.0	478.3	7.0	621.4	0.0	0.0	0.0	8.7	0.0	0.0	0.0	0.0	586.0	0.0	26.7
2012	2154.7	959.4	460.5	7.0	727.8	0.0	63.1	43.3	8.7	0.0	0.0	0.0	0.0	586.0	0.0	26.7
2013	2212.8	1018.2	459.7	7.1	727.8	0.0	63.1	43.3	8.7	0.0	0.0	0.0	0.0	586.0	0.0	26.7
2014	2155.7	978.5	442.3	7.1	727.8	0.0	63.1	43.3	8.7	0.0	0.0	0.0	0.0	586.0	0.0	26.7
2015	2116.6	1000.4	438.2	7.1	671.0	0.0	63.1	43.3	7.6	0.0	0.0	0.0	0.0	530.3	0.0	26.7
2016	1953.5	951.2	431.3	7.1	563.9	0.0	57.1	43.3	5.9	0.0	0.0	0.0	0.0	434.3	0.0	23.3
2017	1712.8	827.6	415.3	7.1	462.7	0.0	46.7	37.9	4.5	0.0	0.0	0.0	0.0	355.7	0.0	17.9
2018	1529.7	746.6	400.2	7.1	375.8	0.0	38.3	29.1	3.4	0.0	0.0	0.0	0.0	291.3	0.0	13.7
2019	1389.0	687.8	388.7	7.1	305.4	0.0	31.3	22.3	2.6	0.0	0.0	0.0	0.0	238.6	0.0	10.5
2020	1285.7	656.2	374.2	7.1	248.3	0.0	25.7	17.1	2.0	0.0	0.0	0.0	0.0	195.4	0.0	8.1
2021	1161.1	595.4	358.2	7.1	200.5	0.0	21.0	13.1	0.1	0.0	0.0	0.0	0.0	160.1	0.0	6.2
2022	1046.1	533.5	346.8	7.1	158.7	0.0	17.2	10.0	0.0	0.0	0.0	0.0	0.0	131.1	0.0	0.3
2023	829.3	468.3	332.0	7.1	21.9	0.0	14.1	0.5	0.0	0.0	0.0	0.0	0.0	7.3	0.0	0.0
2024	675.1	370.6	303.7	0.0	0.8	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	537.4	284.9	252.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	424.1	220.9	203.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2027	342.8	174.3	168.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2028	283.7	140.6	143.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2029	244.9	112.3	132.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2030	192.5	84.0	108.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2031	149.9	58.8	91.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2032	124.6	50.3	74.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2033	98.8	38.3	60.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2034	78.3	31.6	46.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2035	69.3	28.2	41.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2036	22.1	22.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2037	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2038	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2039	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2040	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2041	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2042	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2043	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2044	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2045	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2046	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2047	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2048	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2049	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2050	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total (10³m³)	9774.9	4865.4	2751.1	36.5	2122.0	0.0	184.1	126.6	22.3	0.0	0.0	0.0	0.0	1711.2	0.0	77.9

Table 14: Condensate Production Forecasts - Contingent Onshore Resources - Imperial Units

Best Estimate Case with Pipeline Capacity of 1.2 BCFD																
Year	Total BPD	"Anchor Fields"			Mackenzie Delta "Non-Anchor" Fields											
		Taglu BPD	Parsons Lake BPD	Niglintgak BPD	Total BPD	Adgo BPD	Garry South BPD	Hansen BPD	Kumak BPD	Mallik BPD	Pelly BPD	Reindeer BPD	Titalik BPD	Tuk BPD	Ya Ya North BPD	Ya Ya South BPD
2009	1691	1156	529	5	0	0	0	0	0	0	0	0	0	0	0	0
2010	10055	6858	3152	45	0	0	0	0	0	0	0	0	0	0	0	0
2011	13352	6390	3009	44	3909	0	0	0	55	0	0	0	0	3686	0	168
2012	13553	6034	2897	44	4578	0	397	273	55	0	0	0	0	3686	0	168
2013	13918	6404	2891	45	4578	0	397	273	55	0	0	0	0	3686	0	168
2014	13559	6155	2782	45	4578	0	397	273	55	0	0	0	0	3686	0	168
2015	13313	6293	2756	45	4220	0	397	273	48	0	0	0	0	3335	0	168
2016	12287	5983	2713	45	3547	0	359	273	37	0	0	0	0	2732	0	147
2017	10773	5206	2612	45	2911	0	294	239	28	0	0	0	0	2237	0	113
2018	9622	4696	2517	45	2364	0	241	183	22	0	0	0	0	1832	0	86
2019	8737	4326	2445	45	1921	0	197	140	17	0	0	0	0	1501	0	66
2020	8087	4127	2354	45	1562	0	161	108	13	0	0	0	0	1229	0	51
2021	7303	3745	2253	45	1261	0	132	82	1	0	0	0	0	1007	0	39
2022	6580	3356	2182	45	998	0	108	63	0	0	0	0	0	825	0	2
2023	5216	2946	2088	45	138	0	89	3	0	0	0	0	0	46	0	0
2024	4246	2331	1910	0	5	0	5	0	0	0	0	0	0	0	0	0
2025	3380	1792	1588	0	0	0	0	0	0	0	0	0	0	0	0	0
2026	2667	1389	1278	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	2156	1096	1060	0	0	0	0	0	0	0	0	0	0	0	0	0
2028	1784	884	900	0	0	0	0	0	0	0	0	0	0	0	0	0
2029	1541	706	834	0	0	0	0	0	0	0	0	0	0	0	0	0
2030	1211	528	682	0	0	0	0	0	0	0	0	0	0	0	0	0
2031	943	370	573	0	0	0	0	0	0	0	0	0	0	0	0	0
2032	783	316	467	0	0	0	0	0	0	0	0	0	0	0	0	0
2033	621	241	381	0	0	0	0	0	0	0	0	0	0	0	0	0
2034	493	198	294	0	0	0	0	0	0	0	0	0	0	0	0	0
2035	436	177	258	0	0	0	0	0	0	0	0	0	0	0	0	0
2036	139	139	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total (MBBL)	61483	30603	17304	229	13347	0	1158	796	140	0	0	0	0	10763	0	490

Table 24: Sales Gas Production Forecasts
Contingent and Prospective Onshore Resources - Metric Units

Best Estimate Case with Pipeline Capacity of 34 10 ⁶ m ³ /d							
Year	Total Onshore Resources 10 ⁶ m ³ /d	Contingent Resources			Prospective Resources		
		Total Anchor Fields 10 ⁶ m ³ /d	Other Mackenzie Delta 10 ⁶ m ³ /d	Colville Hills 10 ⁶ m ³ /d	Basin Margin Play 10 ⁶ m ³ /d	Listric Fault Play 10 ⁶ m ³ /d	Colville Hills 10 ⁶ m ³ /d
2009	3.8	3.8	0.0	0.0	0.0	0.0	0.0
2010	23.5	23.5	0.0	0.0	0.0	0.0	0.0
2011	31.0	23.5	4.0	3.6	0.0	0.0	0.0
2012	34.0	23.5	6.9	3.5	0.0	0.0	0.0
2013	34.0	23.5	6.9	3.5	0.0	0.0	0.0
2014	34.0	23.5	6.9	3.5	0.0	0.0	0.0
2015	34.0	23.5	6.9	3.5	0.0	0.0	0.0
2016	34.0	23.5	6.9	3.1	0.0	0.0	0.4
2017	34.0	23.5	5.9	2.5	0.3	0.4	1.4
2018	34.0	23.5	4.8	2.0	0.7	0.8	2.2
2019	34.0	23.5	3.9	1.6	0.9	1.2	2.9
2020	34.0	23.5	3.1	1.3	1.2	1.5	3.4
2021	34.0	23.5	2.4	0.7	1.4	1.8	4.2
2022	34.0	23.5	1.7	0.2	1.6	2.1	4.9
2023	34.0	23.1	0.7	0.1	2.0	2.6	5.4
2024	34.0	21.6	0.4	0.1	2.6	3.4	6.0
2025	34.0	17.8	0.3	0.1	3.8	4.9	7.2
2026	34.0	14.5	0.2	0.0	4.8	6.2	8.2
2027	34.0	11.9	0.2	0.0	5.6	7.3	9.1
2028	34.0	9.9	0.0	0.0	6.3	8.1	9.7
2029	34.0	8.5	0.0	0.0	6.7	8.7	10.1
2030	33.9	6.6	0.0	0.0	7.3	9.4	10.5
2031	32.6	5.1	0.0	0.0	7.7	10.0	9.7
2032	31.4	4.3	0.0	0.0	8.0	10.3	8.8
2033	30.2	3.5	0.0	0.0	8.2	10.7	7.8
2034	27.1	2.5	0.0	0.0	7.8	10.1	6.7
2035	24.2	2.2	0.0	0.0	7.1	9.2	5.7
2036	19.9	0.9	0.0	0.0	6.3	8.2	4.6
2037	16.3	0.0	0.0	0.0	5.5	7.2	3.6
2038	13.5	0.0	0.0	0.0	4.7	6.1	2.7
2039	10.5	0.0	0.0	0.0	3.7	4.9	1.9
2040	7.9	0.0	0.0	0.0	2.9	3.7	1.3
2041	5.7	0.0	0.0	0.0	2.1	2.8	0.8
2042	4.1	0.0	0.0	0.0	1.6	2.1	0.4
2043	2.8	0.0	0.0	0.0	1.2	1.5	0.2
2044	1.8	0.0	0.0	0.0	0.8	1.0	0.0
2045	1.1	0.0	0.0	0.0	0.5	0.6	0.0
2046	0.5	0.0	0.0	0.0	0.2	0.3	0.0
2047	0.1	0.0	0.0	0.0	0.0	0.0	0.0
2048	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2049	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2050	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total (10 ⁹ m ³)	340.8	161.3	22.7	10.7	41.4	53.7	51.1

**Table 25: Sales Gas Production Forecasts
Contingent and Prospective Onshore Resources - Imperial Units**

Best Estimate Case with Pipeline Capacity of 1.2 BCFD							
Year	Total Onshore Resources MMCFD	Contingent Resources			Prospective Resources		
		Total Anchor Fields MMCFD	Other Mackenzie Delta MMCFD	Colville Hills MMCFD	Basin Margin Play MMCFD	Listric Fault Play MMCFD	Colville Hills MMCFD
2009	133	133	0	0	0	0	0.0
2010	830	830	0	0	0	0	0.0
2011	1095	830	140	126	0	0	0.0
2012	1200	830	245	125	0	0	0.0
2013	1200	830	245	125	0	0	0.0
2014	1200	830	245	125	0	0	0.0
2015	1200	830	245	125	0	0	0.0
2016	1200	830	245	110	0	0	15.4
2017	1200	830	209	87	11	14	49.2
2018	1200	830	169	69	23	30	78.5
2019	1200	830	139	56	32	42	101.0
2020	1200	830	111	45	41	53	120.3
2021	1200	830	85	24	49	63	148.9
2022	1200	830	59	8	57	74	173.0
2023	1200	816	24	5	72	93	190.5
2024	1200	762	13	4	91	119	211.1
2025	1200	629	10	3	133	172	252.8
2026	1200	512	8	1	169	219	290.1
2027	1200	421	6	0	198	256	319.5
2028	1200	349	0	0	221	287	342.7
2029	1200	298	0	0	237	307	358.0
2030	1195	235	0	0	256	332	372.3
2031	1150	182	0	0	272	353	342.9
2032	1109	151	0	0	281	365	311.0
2033	1064	123	0	0	290	376	275.0
2034	958	89	0	0	274	356	238.3
2035	853	79	0	0	249	324	200.5
2036	704	30	0	0	223	289	161.4
2037	576	0	0	0	196	253	126.6
2038	477	0	0	0	165	215	96.8
2039	371	0	0	0	131	172	67.2
2040	277	0	0	0	101	130	46.2
2041	203	0	0	0	76	98	29.0
2042	144	0	0	0	56	72	15.7
2043	100	0	0	0	41	53	6.5
2044	63	0	0	0	28	35	0.0
2045	39	0	0	0	17	22	0.0
2046	19	0	0	0	8	11	0.0
2047	3	0	0	0	2	2	0.0
2048	0	0	0	0	0	0	0.0
2049	0	0	0	0	0	0	0.0
2050	0	0	0	0	0	0	0.0
Total (BCF)	12031	5694	802	379	1460	1894	1803

Table 26: Condensate Production Forecasts
Contingent and Prospective Onshore Resources - Metric Units

Best Estimate Case with Pipeline Capacity of 34 10 ⁶ m ³ /d							
Year	Total Onshore Resources m ³ /d	Contingent Resources			Prospective Resources		
		Total Anchor Fields m ³ /d	Other Mackenzie Delta m ³ /d	Colville Hills m ³ /d	Basin Margin Play m ³ /d	Listric Fault Play m ³ /d	Colville Hills m ³ /d
2009	268.8	268.8	0.0	0.0	0.0	0.0	0.0
2010	1598.5	1598.5	0.0	0.0	0.0	0.0	0.0
2011	2122.7	1501.3	621.4	0.0	0.0	0.0	0.0
2012	2154.7	1426.9	727.8	0.0	0.0	0.0	0.0
2013	2212.8	1485.0	727.8	0.0	0.0	0.0	0.0
2014	2155.7	1427.9	727.8	0.0	0.0	0.0	0.0
2015	2116.6	1445.7	671.0	0.0	0.0	0.0	0.0
2016	1953.5	1389.6	563.9	0.0	0.0	0.0	0.0
2017	1752.3	1250.0	462.7	0.0	21.2	18.3	0.0
2018	1611.6	1153.9	375.8	0.0	44.0	37.9	0.0
2019	1503.8	1083.6	305.4	0.0	61.7	53.1	0.0
2020	1431.3	1037.4	248.3	0.0	78.2	67.3	0.0
2021	1334.6	960.6	200.5	0.0	93.2	80.3	0.0
2022	1247.9	887.4	158.7	0.0	108.4	93.4	0.0
2023	1084.1	807.4	21.9	0.0	136.9	117.9	0.0
2024	999.9	674.3	0.8	0.0	174.5	150.3	0.0
2025	1009.5	537.4	0.0	0.0	253.6	218.4	0.0
2026	1024.0	424.1	0.0	0.0	322.3	277.6	0.0
2027	1044.5	342.8	0.0	0.0	377.0	324.7	0.0
2028	1069.2	283.7	0.0	0.0	422.0	363.5	0.0
2029	1085.7	244.9	0.0	0.0	451.7	389.0	0.0
2030	1102.3	192.5	0.0	0.0	488.8	421.0	0.0
2031	1116.9	149.9	0.0	0.0	519.6	447.5	0.0
2032	1124.6	124.6	0.0	0.0	537.3	462.7	0.0
2033	1129.4	98.8	0.0	0.0	553.7	476.9	0.0
2034	1052.7	78.3	0.0	0.0	523.6	450.7	0.0
2035	956.3	69.3	0.0	0.0	476.0	411.0	0.0
2036	814.2	22.1	0.0	0.0	425.8	366.2	0.0
2037	694.5	0.0	0.0	0.0	373.5	321.0	0.0
2038	587.4	0.0	0.0	0.0	315.5	271.8	0.0
2039	469.2	0.0	0.0	0.0	250.9	218.3	0.0
2040	357.6	0.0	0.0	0.0	192.7	164.9	0.0
2041	268.3	0.0	0.0	0.0	144.1	124.2	0.0
2042	198.7	0.0	0.0	0.0	106.9	91.8	0.0
2043	145.1	0.0	0.0	0.0	77.8	67.3	0.0
2044	98.2	0.0	0.0	0.0	53.3	44.9	0.0
2045	61.0	0.0	0.0	0.0	33.1	27.9	0.0
2046	29.0	0.0	0.0	0.0	14.8	14.3	0.0
2047	5.4	0.0	0.0	0.0	3.3	2.1	0.0
2048	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2049	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2050	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total (10 ³ m ³)	14962.3	7652.9	2122.0	0.0	2787.0	2400.3	0.0

**Table 27: Condensate Production Forecasts
Contingent and Prospective Onshore Resources - Imperial Units**

Best Estimate Case with Pipeline Capacity of 1.2 BCFD							
Year	Total Onshore Resources BPD	Contingent Resources			Prospective Resources		
		Total Anchor Fields BPD	Other Mackenzie Delta BPD	Colville Hills BPD	Basin Margin Play BPD	Listric Fault Play BPD	Colville Hills BPD
2009	1691	1691	0	0	0	0	0
2010	10055	10055	0	0	0	0	0
2011	13352	9443	3909	0	0	0	0
2012	13553	8975	4578	0	0	0	0
2013	13918	9340	4578	0	0	0	0
2014	13559	8981	4578	0	0	0	0
2015	13313	9093	4220	0	0	0	0
2016	12287	8741	3547	0	0	0	0
2017	11022	7863	2911	0	133	115	0
2018	10137	7258	2364	0	277	238	0
2019	9458	6816	1921	0	388	334	0
2020	9002	6525	1562	0	492	424	0
2021	8395	6042	1261	0	586	505	0
2022	7849	5582	998	0	682	587	0
2023	6819	5078	138	0	861	742	0
2024	6289	4241	5	0	1098	945	0
2025	6349	3380	0	0	1595	1374	0
2026	6441	2667	0	0	2028	1746	0
2027	6570	2156	0	0	2371	2042	0
2028	6725	1784	0	0	2655	2286	0
2029	6829	1541	0	0	2841	2447	0
2030	6934	1211	0	0	3075	2648	0
2031	7025	943	0	0	3268	2815	0
2032	7073	783	0	0	3379	2911	0
2033	7104	621	0	0	3483	2999	0
2034	6621	493	0	0	3294	2835	0
2035	6015	436	0	0	2994	2585	0
2036	5121	139	0	0	2678	2303	0
2037	4368	0	0	0	2349	2019	0
2038	3695	0	0	0	1985	1710	0
2039	2951	0	0	0	1578	1373	0
2040	2249	0	0	0	1212	1037	0
2041	1688	0	0	0	907	781	0
2042	1250	0	0	0	673	577	0
2043	913	0	0	0	489	423	0
2044	618	0	0	0	335	282	0
2045	384	0	0	0	208	176	0
2046	183	0	0	0	93	90	0
2047	34	0	0	0	21	13	0
2048	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0
Total (MBBL)	94110	48136	13347	0	17530	15098	0

Table 28: Sales Gas Production Forecasts - Contingent Onshore Resources - Metric Units

Best Estimate Case with Pipeline Capacity of 34 10 ⁶ m ³ /d											
Year	Total 10 ⁶ m ³ /d	Amauligak 10 ⁶ m ³ /d	South Isserk 10 ⁶ m ³ /d	Issungnak 10 ⁶ m ³ /d	Itiyok 10 ⁶ m ³ /d	Kadluk 10 ⁶ m ³ /d	Kiggavik 10 ⁶ m ³ /d	Minuk 10 ⁶ m ³ /d	Netserk 10 ⁶ m ³ /d	Nipterk South 10 ⁶ m ³ /d	Ukalerk 10 ⁶ m ³ /d
2009	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2012	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2013	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2014	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2015	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2016	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2017	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2018	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2019	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2020	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2021	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2022	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2023	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2024	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2027	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2028	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2029	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2030	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2031	1.4	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2032	2.6	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2033	3.8	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2034	6.9	1.5	0.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2035	9.8	4.5	0.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2036	14.1	5.9	1.1	5.4	0.5	0.0	0.0	0.0	0.0	0.3	1.0
2037	17.7	5.9	1.1	5.4	0.5	0.8	0.8	0.0	1.1	1.2	1.0
2038	18.9	5.9	1.1	5.4	0.5	0.8	1.1	0.9	1.1	1.2	1.0
2039	18.8	5.9	1.0	5.4	0.5	0.8	1.1	0.9	1.1	1.2	1.0
2040	18.5	5.9	0.8	5.3	0.5	0.8	1.1	0.9	1.1	1.2	0.9
2041	17.4	5.9	0.7	4.9	0.4	0.8	1.1	0.9	1.0	1.0	0.7
2042	15.5	5.4	0.6	4.4	0.3	0.7	0.9	0.9	0.8	0.8	0.6
2043	13.2	4.6	0.5	4.0	0.3	0.5	0.7	0.8	0.7	0.7	0.5
2044	11.3	3.9	0.4	3.6	0.2	0.4	0.6	0.6	0.5	0.6	0.4
2045	9.6	3.3	0.4	3.3	0.2	0.3	0.5	0.5	0.4	0.5	0.3
2046	8.2	2.8	0.3	3.0	0.1	0.2	0.4	0.4	0.4	0.4	0.3
2047	7.0	2.4	0.3	2.7	0.0	0.2	0.3	0.3	0.3	0.3	0.2
2048	5.7	2.1	0.2	2.4	0.0	0.0	0.3	0.2	0.2	0.2	0.0
2049	4.1	1.8	0.0	2.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0
2050	3.5	1.5	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2051	3.1	1.3	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2052	1.7	0.1	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2053	1.5	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total (10⁹m³)	78.2	25.6	3.1	30.2	1.5	2.4	3.2	2.6	3.2	3.4	2.9

Table 29: Sales Gas Production Forecasts - Contingent Onshore Resources - Imperial Units

Best Estimate Case with Pipeline Capacity of 1.2 BCFD											
Year	Total MMCFD	Amauligak MMCFD	South Isserk MMCFD	Issungnak MMCFD	Itiyok MMCFD	Kadluk MMCFD	Kiggavik MMCFD	Minuk MMCFD	Netserk MMCFD	Nipterk South MMCFD	Ukalerk MMCFD
2009	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2012	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2013	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2014	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2015	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2016	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2017	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2018	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2019	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2020	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2021	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2022	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2023	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2024	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2027	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2028	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2029	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2030	4.8	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2031	50.1	0.0	0.0	50.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2032	91.2	0.0	0.0	91.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2033	135.6	0.0	0.0	135.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2034	242.4	52.8	0.0	189.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2035	346.9	157.3	0.0	189.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2036	496.4	206.5	37.6	189.6	17.9	0.0	0.0	0.0	0.0	10.3	34.5
2037	624.5	206.5	37.6	189.6	17.9	28.7	29.6	0.0	38.7	41.4	34.5
2038	666.2	206.5	37.6	189.6	17.9	28.7	39.3	32.0	38.7	41.4	34.5
2039	663.3	206.5	34.7	189.6	17.9	28.7	39.3	32.0	38.7	41.4	34.5
2040	652.3	206.5	29.6	187.3	17.9	28.7	39.3	32.0	38.7	41.1	31.2
2041	613.2	206.5	25.2	171.8	15.7	28.7	37.1	32.0	35.0	35.6	25.6
2042	545.5	190.1	21.5	155.4	12.0	25.1	30.6	32.0	28.7	29.2	21.0
2043	467.0	162.0	18.3	140.6	9.2	19.3	25.0	28.0	23.5	23.9	17.2
2044	397.7	138.1	15.6	127.3	7.1	14.8	20.5	21.5	19.2	19.6	14.1
2045	339.5	117.7	13.3	115.2	5.4	11.3	16.8	16.5	15.7	16.0	11.5
2046	290.5	100.3	11.3	104.2	4.2	8.7	13.8	12.6	12.9	13.1	9.4
2047	246.3	85.5	9.7	94.3	0.2	6.7	11.3	9.7	10.6	10.8	7.7
2048	199.7	72.9	8.2	85.3	0.0	0.3	9.2	7.4	8.6	7.3	0.4
2049	143.2	62.1	0.5	77.2	0.0	0.0	2.5	0.4	0.5	0.0	0.0
2050	122.8	52.9	0.0	69.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2051	108.3	45.1	0.0	63.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2052	59.4	2.2	0.0	57.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2053	51.8	0.0	0.0	51.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total (BCF)	2758.9	904.6	109.7	1065.8	52.3	83.8	114.7	93.5	112.9	120.8	100.8

Table 30: Condensate Production Forecasts - Contingent Onshore Resources - Metric Units

Best Estimate Case with Pipeline Capacity of 34 10 ⁶ m ³ /d											
Year	Total m ³ /d	Amauligak m ³ /d	South Isserk m ³ /d	Issungnak m ³ /d	Itiyok m ³ /d	Kadluk m ³ /d	Kiggavik m ³ /d	Minuk m ³ /d	Netserk m ³ /d	Nipterk South m ³ /d	Ukalerk m ³ /d
2009	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2012	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2013	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2014	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2015	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2016	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2017	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2018	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2019	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2020	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2021	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2022	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2023	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2024	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2027	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2028	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2029	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2030	0.9	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2031	9.5	0.0	0.0	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2032	17.3	0.0	0.0	17.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2033	25.7	0.0	0.0	25.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2034	36.0	0.0	0.0	36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2035	36.0	0.0	0.0	36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2036	36.0	0.0	0.0	36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2037	36.0	0.0	0.0	36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2038	51.8	0.0	0.0	36.0	0.0	0.0	0.0	15.8	0.0	0.0	0.0
2039	51.8	0.0	0.0	36.0	0.0	0.0	0.0	15.8	0.0	0.0	0.0
2040	51.4	0.0	0.0	35.6	0.0	0.0	0.0	15.8	0.0	0.0	0.0
2041	48.5	0.0	0.0	32.6	0.0	0.0	0.0	15.8	0.0	0.0	0.0
2042	45.3	0.0	0.0	29.5	0.0	0.0	0.0	15.8	0.0	0.0	0.0
2043	40.6	0.0	0.0	26.7	0.0	0.0	0.0	13.9	0.0	0.0	0.0
2044	34.8	0.0	0.0	24.2	0.0	0.0	0.0	10.6	0.0	0.0	0.0
2045	30.0	0.0	0.0	21.9	0.0	0.0	0.0	8.1	0.0	0.0	0.0
2046	26.0	0.0	0.0	19.8	0.0	0.0	0.0	6.2	0.0	0.0	0.0
2047	22.7	0.0	0.0	17.9	0.0	0.0	0.0	4.8	0.0	0.0	0.0
2048	19.9	0.0	0.0	16.2	0.0	0.0	0.0	3.7	0.0	0.0	0.0
2049	14.8	0.0	0.0	14.7	0.0	0.0	0.0	0.2	0.0	0.0	0.0
2050	13.3	0.0	0.0	13.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2051	12.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2052	10.9	0.0	0.0	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2053	9.8	0.0	0.0	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total (10 ³ m ³)	248.6	0.0	0.0	202.3	0.0	0.0	0.0	46.3	0.0	0.0	0.0

Table 31: Condensate Production Forecasts - Contingent Onshore Resources - Imperial Units

Best Estimate Case with Pipeline Capacity of 1.2 BCFD											
Year	Total BPD	Amauligak BPD	South Isserk BPD	Issungnak BPD	Itiyok BPD	Kadluk BPD	Kiggavik BPD	Minuk BPD	Netserk BPD	Nipterk South BPD	Ukalerk BPD
2009	0	0	0	0	0	0	0	0	0	0	0
2010	0	0	0	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0	0	0	0
2030	6	0	0	6	0	0	0	0	0	0	0
2031	60	0	0	60	0	0	0	0	0	0	0
2032	109	0	0	109	0	0	0	0	0	0	0
2033	162	0	0	162	0	0	0	0	0	0	0
2034	226	0	0	226	0	0	0	0	0	0	0
2035	226	0	0	226	0	0	0	0	0	0	0
2036	226	0	0	226	0	0	0	0	0	0	0
2037	226	0	0	226	0	0	0	0	0	0	0
2038	326	0	0	226	0	0	0	100	0	0	0
2039	326	0	0	226	0	0	0	100	0	0	0
2040	323	0	0	224	0	0	0	100	0	0	0
2041	305	0	0	205	0	0	0	100	0	0	0
2042	285	0	0	186	0	0	0	100	0	0	0
2043	255	0	0	168	0	0	0	87	0	0	0
2044	219	0	0	152	0	0	0	67	0	0	0
2045	189	0	0	138	0	0	0	51	0	0	0
2046	164	0	0	124	0	0	0	39	0	0	0
2047	143	0	0	113	0	0	0	30	0	0	0
2048	125	0	0	102	0	0	0	23	0	0	0
2049	93	0	0	92	0	0	0	1	0	0	0
2050	83	0	0	83	0	0	0	0	0	0	0
2051	75	0	0	75	0	0	0	0	0	0	0
2052	68	0	0	68	0	0	0	0	0	0	0
2053	62	0	0	62	0	0	0	0	0	0	0
Total (MBBL)	1564	0	0	1273	0	0	0	291	0	0	0

Table 32: Sales Gas Production Forecasts - Contingent and Prospective Onshore and Offshore Resources - Metric Units

Best Estimate Case with Pipeline Capacity of 34 10 ⁶ m ³ /d											
Year	Total Onshore plus Offshore 10 ⁶ m ³ /d	Onshore Resources							Offshore Resources		
		Total Onshore 10 ⁶ m ³ /d	Contingent Resources			Prospective Resources			Total Offshore 10 ⁶ m ³ /d	Contingent	Prospective
			Total Anchor Fields 10 ⁶ m ³ /d	Other Mackenzie Delta 10 ⁶ m ³ /d	Colville Hills 10 ⁶ m ³ /d	Basin Margin Play 10 ⁶ m ³ /d	Listric Fault Play 10 ⁶ m ³ /d	Colville Hills 10 ⁶ m ³ /d		Discovered Beaufort Sea Fields 10 ⁶ m ³ /d	Undiscovered Listric Fault Play 10 ⁶ m ³ /d
2009	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2010	23.5	23.5	23.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2011	31.0	31.0	23.5	4.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0
2012	34.0	34.0	23.5	6.9	3.5	0.0	0.0	0.0	0.0	0.0	0.0
2013	34.0	34.0	23.5	6.9	3.5	0.0	0.0	0.0	0.0	0.0	0.0
2014	34.0	34.0	23.5	6.9	3.5	0.0	0.0	0.0	0.0	0.0	0.0
2015	34.0	34.0	23.5	6.9	3.5	0.0	0.0	0.0	0.0	0.0	0.0
2016	34.0	34.0	23.5	6.9	3.1	0.0	0.0	0.4	0.0	0.0	0.0
2017	34.0	34.0	23.5	5.9	2.5	0.3	0.4	1.4	0.0	0.0	0.0
2018	34.0	34.0	23.5	4.8	2.0	0.7	0.8	2.2	0.0	0.0	0.0
2019	34.0	34.0	23.5	3.9	1.6	0.9	1.2	2.9	0.0	0.0	0.0
2020	34.0	34.0	23.5	3.1	1.3	1.2	1.5	3.4	0.0	0.0	0.0
2021	34.0	34.0	23.5	2.4	0.7	1.4	1.8	4.2	0.0	0.0	0.0
2022	34.0	34.0	23.5	1.7	0.2	1.6	2.1	4.9	0.0	0.0	0.0
2023	34.0	34.0	23.1	0.7	0.1	2.0	2.6	5.4	0.0	0.0	0.0
2024	34.0	34.0	21.6	0.4	0.1	2.6	3.4	6.0	0.0	0.0	0.0
2025	34.0	34.0	17.8	0.3	0.1	3.8	4.9	7.2	0.0	0.0	0.0
2026	34.0	34.0	14.5	0.2	0.0	4.8	6.2	8.2	0.0	0.0	0.0
2027	34.0	34.0	11.9	0.2	0.0	5.6	7.3	9.1	0.0	0.0	0.0
2028	34.0	34.0	9.9	0.0	0.0	6.3	8.1	9.7	0.0	0.0	0.0
2029	34.0	34.0	8.5	0.0	0.0	6.7	8.7	10.1	0.0	0.0	0.0
2030	34.0	33.9	6.6	0.0	0.0	7.3	9.4	10.5	0.1	0.1	0.0
2031	34.0	32.6	5.1	0.0	0.0	7.7	10.0	9.7	1.4	1.4	0.0
2032	34.0	31.4	4.3	0.0	0.0	8.0	10.3	8.8	2.6	2.6	0.0
2033	34.0	30.2	3.5	0.0	0.0	8.2	10.7	7.8	3.8	3.8	0.0
2034	34.0	27.1	2.5	0.0	0.0	7.8	10.1	6.7	6.9	6.9	0.0
2035	34.0	24.2	2.2	0.0	0.0	7.1	9.2	5.7	9.8	9.8	0.0
2036	34.0	19.9	0.9	0.0	0.0	6.3	8.2	4.6	14.1	14.1	0.0
2037	34.0	16.3	0.0	0.0	0.0	5.5	7.2	3.6	17.7	17.7	0.0
2038	33.2	13.5	0.0	0.0	0.0	4.7	6.1	2.7	19.7	18.9	0.8
2039	32.4	10.5	0.0	0.0	0.0	3.7	4.9	1.9	21.9	18.8	3.1
2040	31.8	7.9	0.0	0.0	0.0	2.9	3.7	1.3	23.9	18.5	5.4
2041	31.3	5.7	0.0	0.0	0.0	2.1	2.8	0.8	25.5	17.4	8.2
2042	30.9	4.1	0.0	0.0	0.0	1.6	2.1	0.4	26.8	15.5	11.4
2043	30.6	2.8	0.0	0.0	0.0	1.2	1.5	0.2	27.8	13.2	14.6
2044	28.3	1.8	0.0	0.0	0.0	0.8	1.0	0.0	26.5	11.3	15.3
2045	25.7	1.1	0.0	0.0	0.0	0.5	0.6	0.0	24.6	9.6	15.0
2046	23.1	0.5	0.0	0.0	0.0	0.2	0.3	0.0	22.6	8.2	14.3
2047	20.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	20.3	7.0	13.3
2048	17.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.6	5.7	12.0
2049	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.3	4.1	10.3
2050	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.9	3.5	8.4
2051	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	3.1	6.8
2052	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	1.7	5.3
2053	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	1.5	3.8
Total (10 ⁹ m ³)	472.9	340.8	161.3	22.7	10.7	41.4	53.7	51.1	132.1	78.2	54.0

Table 33: Sales Gas Production Forecasts - Contingent and Prospective Onshore and Offshore Resources - Imperial Units

Best Estimate Case with Pipeline Capacity of 1.2 BCFD												
Year	Total Onshore plus Offshore MMCFD	Onshore Resources							Offshore Resources			
		Total Onshore MMCFD	Contingent Resources			Prospective Resources				Total Offshore MMCFD	Contingent	Prospective
			Total Anchor Fields MMCFD	Other Mackenzie Delta MMCFD	Colville Hills MMCFD	Basin Margin Play MMCFD	Listric Fault Play MMCFD	Colville Hills MMCFD	Discovered Beaufort Sea Fields MMCFD		Undiscovered Listric Fault Play MMCFD	
2009	132.5	132.5	132.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2010	830.0	830.0	830.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2011	1095.5	1095.5	830.0	139.6	125.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2012	1200.0	1200.0	830.0	245.0	125.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2013	1200.0	1200.0	830.0	245.0	125.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2014	1200.0	1200.0	830.0	245.0	125.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2015	1200.0	1200.0	830.0	245.0	125.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2016	1200.0	1200.0	830.0	245.0	109.6	0.0	0.0	15.4	0.0	0.0	0.0	0.0
2017	1200.0	1200.0	830.0	208.5	86.7	11.1	14.4	49.2	0.0	0.0	0.0	0.0
2018	1200.0	1200.0	830.0	169.4	69.2	23.0	29.9	78.5	0.0	0.0	0.0	0.0
2019	1200.0	1200.0	830.0	139.0	55.8	32.3	41.9	101.0	0.0	0.0	0.0	0.0
2020	1200.0	1200.0	830.0	110.6	45.0	41.0	53.1	120.3	0.0	0.0	0.0	0.0
2021	1200.0	1200.0	830.0	84.7	24.2	48.8	63.4	148.9	0.0	0.0	0.0	0.0
2022	1200.0	1200.0	830.0	58.6	7.9	56.8	73.7	173.0	0.0	0.0	0.0	0.0
2023	1200.0	1200.0	816.0	23.6	5.1	71.7	93.1	190.5	0.0	0.0	0.0	0.0
2024	1200.0	1200.0	762.2	12.8	3.9	91.4	118.6	211.1	0.0	0.0	0.0	0.0
2025	1200.0	1200.0	628.8	10.1	3.0	132.9	172.4	252.8	0.0	0.0	0.0	0.0
2026	1200.0	1200.0	512.5	8.3	1.1	168.9	219.1	290.1	0.0	0.0	0.0	0.0
2027	1200.0	1200.0	420.8	5.9	0.0	197.5	256.3	319.5	0.0	0.0	0.0	0.0
2028	1200.0	1200.0	349.4	0.0	0.0	221.1	286.9	342.7	0.0	0.0	0.0	0.0
2029	1200.0	1200.0	298.4	0.0	0.0	236.6	307.0	358.0	0.0	0.0	0.0	0.0
2030	1200.0	1195.2	234.5	0.0	0.0	256.1	332.3	372.3	4.8	4.8	0.0	0.0
2031	1200.0	1149.9	181.7	0.0	0.0	272.2	353.1	342.9	50.1	50.1	0.0	0.0
2032	1200.0	1108.8	151.2	0.0	0.0	281.5	365.2	311.0	91.2	91.2	0.0	0.0
2033	1200.0	1064.4	123.0	0.0	0.0	290.1	376.3	275.0	135.6	135.6	0.0	0.0
2034	1200.0	957.6	89.3	0.0	0.0	274.3	355.7	238.3	242.4	242.4	0.0	0.0
2035	1200.0	853.1	78.9	0.0	0.0	249.3	324.3	200.5	346.9	346.9	0.0	0.0
2036	1200.0	703.6	30.1	0.0	0.0	223.1	289.0	161.4	496.4	496.4	0.0	0.0
2037	1200.0	575.5	0.0	0.0	0.0	195.7	253.3	126.6	624.5	624.5	0.0	0.0
2038	1171.7	476.6	0.0	0.0	0.0	165.3	214.5	96.8	695.1	666.2	29.0	0.0
2039	1142.2	370.8	0.0	0.0	0.0	131.4	172.3	67.2	771.3	663.3	108.0	0.0
2040	1121.2	277.3	0.0	0.0	0.0	100.9	130.2	46.2	843.9	652.3	191.6	0.0
2041	1104.1	202.5	0.0	0.0	0.0	75.5	98.0	29.0	901.5	613.2	288.3	0.0
2042	1090.8	144.2	0.0	0.0	0.0	56.0	72.4	15.7	946.6	545.5	401.1	0.0
2043	1081.4	100.4	0.0	0.0	0.0	40.7	53.1	6.5	981.0	467.0	514.1	0.0
2044	999.8	63.3	0.0	0.0	0.0	27.9	35.4	0.0	936.4	397.7	538.8	0.0
2045	908.1	39.4	0.0	0.0	0.0	17.3	22.0	0.0	868.8	339.5	529.3	0.0
2046	815.4	19.0	0.0	0.0	0.0	7.7	11.3	0.0	796.4	290.5	505.9	0.0
2047	720.4	3.4	0.0	0.0	0.0	1.7	1.6	0.0	717.0	246.3	470.7	0.0
2048	622.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	622.1	199.7	422.4	0.0
2049	505.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	505.3	143.2	362.1	0.0
2050	419.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	419.2	122.8	296.4	0.0
2051	347.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	347.1	108.3	238.8	0.0
2052	245.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	245.4	59.4	186.0	0.0
2053	187.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	187.1	51.8	135.3	0.0
Total (BCF)	16694.8	12031.5	5693.7	801.6	378.7	1460.0	1894.3	1803.2	4663.3	2758.9	1904.5	

Table 34: Condensate Production Forecasts - Contingent and Prospective Onshore and Offshore Resources - Metric Units

Best Estimate Case with Pipeline Capacity of 34 10 ⁶ m ³ /d											
Year	Total Onshore plus Offshore m ³ /d	Onshore Resources							Offshore Resources		
		Total Onshore m ³ /d	Contingent Resources			Prospective Resources			Total Offshore m ³ /d	Contingent	Prospective
			Total Anchor Fields m ³ /d	Other Mackenzie Delta m ³ /d	Colville Hills m ³ /d	Basin Margin Play m ³ /d	Listric Fault Play m ³ /d	Colville Hills m ³ /d		Discovered Beaufort Sea Fields m ³ /d	Undiscovered Listric Fault Play m ³ /d
2009	269	269	269	0	0	0	0	0	0	0	0
2010	1599	1599	1599	0	0	0	0	0	0	0	0
2011	2123	2123	1501	621	0	0	0	0	0	0	0
2012	2155	2155	1427	728	0	0	0	0	0	0	0
2013	2213	2213	1485	728	0	0	0	0	0	0	0
2014	2156	2156	1428	728	0	0	0	0	0	0	0
2015	2117	2117	1446	671	0	0	0	0	0	0	0
2016	1953	1953	1390	564	0	0	0	0	0	0	0
2017	1752	1752	1250	463	0	21	18	0	0	0	0
2018	1612	1612	1154	376	0	44	38	0	0	0	0
2019	1504	1504	1084	305	0	62	53	0	0	0	0
2020	1431	1431	1037	248	0	78	67	0	0	0	0
2021	1335	1335	961	200	0	93	80	0	0	0	0
2022	1248	1248	887	159	0	108	93	0	0	0	0
2023	1084	1084	807	22	0	137	118	0	0	0	0
2024	1000	1000	674	1	0	175	150	0	0	0	0
2025	1009	1009	537	0	0	254	218	0	0	0	0
2026	1024	1024	424	0	0	322	278	0	0	0	0
2027	1045	1045	343	0	0	377	325	0	0	0	0
2028	1069	1069	284	0	0	422	363	0	0	0	0
2029	1086	1086	245	0	0	452	389	0	0	0	0
2030	1103	1102	192	0	0	489	421	0	1	1	0
2031	1126	1117	150	0	0	520	447	0	10	10	0
2032	1142	1125	125	0	0	537	463	0	17	17	0
2033	1155	1129	99	0	0	554	477	0	26	26	0
2034	1089	1053	78	0	0	524	451	0	36	36	0
2035	992	956	69	0	0	476	411	0	36	36	0
2036	850	814	22	0	0	426	366	0	36	36	0
2037	730	694	0	0	0	373	321	0	36	36	0
2038	643	587	0	0	0	316	272	0	56	52	4
2039	536	469	0	0	0	251	218	0	67	52	15
2040	436	358	0	0	0	193	165	0	79	51	27
2041	358	268	0	0	0	144	124	0	89	48	41
2042	301	199	0	0	0	107	92	0	102	45	57
2043	259	145	0	0	0	78	67	0	114	41	73
2044	209	98	0	0	0	53	45	0	111	35	76
2045	166	61	0	0	0	33	28	0	105	30	75
2046	127	29	0	0	0	15	14	0	98	26	72
2047	95	5	0	0	0	3	2	0	89	23	67
2048	80	0	0	0	0	0	0	0	80	20	60
2049	66	0	0	0	0	0	0	0	66	15	51
2050	55	0	0	0	0	0	0	0	55	13	42
2051	46	0	0	0	0	0	0	0	46	12	34
2052	37	0	0	0	0	0	0	0	37	11	26
2053	29	0	0	0	0	0	0	0	29	10	19
Total (10 ³ m ³)	15481	14962	7653	2122	0	2787	2400	0	519	249	270

Table 35: Condensate Production Forecasts - Contingent and Prospective Onshore and Offshore Resources - Imperial Units

Best Estimate Case with Pipeline Capacity of 1.2 BCFD											
Year	Total Onshore plus Offshore BPD	Onshore Resources							Offshore Resources		
		Total Onshore BPD	Contingent Resources			Prospective Resources			Total Offshore BPD	Contingent	Prospective
			Total Anchor Fields BPD	Other Mackenzie Delta BPD	Colville Hills BPD	Basin Margin Play BPD	Listric Fault Play BPD	Colville Hills BPD		Discovered Beaufort Sea Fields BPD	Undiscovered Listric Fault Play BPD
2009	1691	1691	1691	0	0	0	0	0	0	0	0
2010	10055	10055	10055	0	0	0	0	0	0	0	0
2011	13352	13352	9443	3909	0	0	0	0	0	0	0
2012	13553	13553	8975	4578	0	0	0	0	0	0	0
2013	13918	13918	9340	4578	0	0	0	0	0	0	0
2014	13559	13559	8981	4578	0	0	0	0	0	0	0
2015	13313	13313	9093	4220	0	0	0	0	0	0	0
2016	12287	12287	8741	3547	0	0	0	0	0	0	0
2017	11022	11022	7863	2911	0	133	115	0	0	0	0
2018	10137	10137	7258	2364	0	277	238	0	0	0	0
2019	9458	9458	6816	1921	0	388	334	0	0	0	0
2020	9002	9002	6525	1562	0	492	424	0	0	0	0
2021	8395	8395	6042	1261	0	586	505	0	0	0	0
2022	7849	7849	5582	998	0	682	587	0	0	0	0
2023	6819	6819	5078	138	0	861	742	0	0	0	0
2024	6289	6289	4241	5	0	1098	945	0	0	0	0
2025	6349	6349	3380	0	0	1595	1374	0	0	0	0
2026	6441	6441	2667	0	0	2028	1746	0	0	0	0
2027	6570	6570	2156	0	0	2371	2042	0	0	0	0
2028	6725	6725	1784	0	0	2655	2286	0	0	0	0
2029	6829	6829	1541	0	0	2841	2447	0	0	0	0
2030	6939	6934	1211	0	0	3075	2648	0	6	6	0
2031	7085	7025	943	0	0	3268	2815	0	60	60	0
2032	7182	7073	783	0	0	3379	2911	0	109	109	0
2033	7265	7104	621	0	0	3483	2999	0	162	162	0
2034	6848	6621	493	0	0	3294	2835	0	226	226	0
2035	6241	6015	436	0	0	2994	2585	0	226	226	0
2036	5347	5121	139	0	0	2678	2303	0	226	226	0
2037	4594	4368	0	0	0	2349	2019	0	226	226	0
2038	4046	3695	0	0	0	1985	1710	0	352	326	26
2039	3373	2951	0	0	0	1578	1373	0	422	326	96
2040	2744	2249	0	0	0	1212	1037	0	494	323	171
2041	2250	1688	0	0	0	907	781	0	562	305	257
2042	1893	1250	0	0	0	673	577	0	643	285	358
2043	1627	913	0	0	0	489	423	0	714	255	459
2044	1317	618	0	0	0	335	282	0	700	219	481
2045	1045	384	0	0	0	208	176	0	661	189	473
2046	798	183	0	0	0	93	90	0	615	164	452
2047	597	34	0	0	0	21	13	0	563	143	420
2048	502	0	0	0	0	0	0	0	502	125	377
2049	417	0	0	0	0	0	0	0	417	93	323
2050	348	0	0	0	0	0	0	0	348	83	265
2051	289	0	0	0	0	0	0	0	289	75	213
2052	234	0	0	0	0	0	0	0	234	68	166
2053	183	0	0	0	0	0	0	0	183	62	121
Total (MBBL)	97374	94110	48136	13347	0	17530	15098	0	3264	1564	1700

Table 36: Sales Gas Production Forecasts - Contingent and Prospective Onshore and Offshore Resources - Metric Units

Best Estimate Case with Pipeline Capacity of 51 10 ⁶ m ³ /d											
Year	Total Onshore plus Offshore 10 ⁶ m ³ /d	Onshore Resources							Offshore Resources		
		Total Onshore 10 ⁶ m ³ /d	Contingent Resources			Prospective Resources			Total Offshore 10 ⁶ m ³ /d	Contingent	Prospective
			Total Anchor Fields 10 ⁶ m ³ /d	Other Mackenzie Delta 10 ⁶ m ³ /d	Colville Hills 10 ⁶ m ³ /d	Basin Margin Play 10 ⁶ m ³ /d	Listric Fault Play 10 ⁶ m ³ /d	Colville Hills 10 ⁶ m ³ /d		Discovered Beaufort Sea Fields 10 ⁶ m ³ /d	Undiscovered Listric Fault Play 10 ⁶ m ³ /d
2009	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2010	23.5	23.5	23.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2011	31.0	31.0	23.5	4.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0
2012	34.9	34.9	23.5	7.8	3.6	0.0	0.0	0.0	0.0	0.0	0.0
2013	42.5	42.5	23.5	7.8	3.9	2.3	3.5	1.5	0.0	0.0	0.0
2014	44.2	44.2	23.5	7.8	3.9	2.8	4.0	2.2	0.0	0.0	0.0
2015	45.7	45.7	23.5	7.6	3.7	3.3	4.6	3.0	0.0	0.0	0.0
2016	51.0	46.5	23.5	6.9	3.1	3.7	5.2	4.1	4.5	4.5	0.0
2017	51.0	46.7	23.5	5.7	2.4	4.2	5.8	5.1	4.3	4.3	0.0
2018	51.0	47.0	23.5	4.4	1.9	4.7	6.3	6.2	4.0	4.0	0.0
2019	51.0	47.3	23.5	3.5	1.5	5.0	6.7	7.1	3.7	3.7	0.0
2020	51.0	46.9	23.5	2.7	1.1	5.0	6.7	7.9	4.1	4.1	0.0
2021	51.0	46.3	23.5	2.1	0.6	5.0	6.6	8.5	4.7	4.7	0.0
2022	51.0	45.7	23.5	1.4	0.1	5.0	6.5	9.1	5.3	5.3	0.0
2023	51.0	44.7	23.1	0.4	0.1	5.1	6.5	9.5	6.3	6.3	0.0
2024	51.0	42.8	21.6	0.0	0.0	5.1	6.5	9.7	8.1	8.1	0.0
2025	51.0	39.0	17.8	0.0	0.0	5.1	6.4	9.7	12.0	12.0	0.0
2026	51.0	35.1	14.5	0.0	0.0	5.0	6.3	9.3	15.9	15.9	0.0
2027	51.0	30.9	11.9	0.0	0.0	4.7	5.8	8.6	20.1	17.8	2.2
2028	51.0	28.1	9.9	0.0	0.0	4.7	5.8	7.8	22.9	17.3	5.5
2029	51.0	25.7	8.5	0.0	0.0	4.7	5.8	6.8	25.3	16.8	8.5
2030	51.0	22.8	6.6	0.0	0.0	4.7	5.8	5.7	28.2	16.1	12.1
2031	50.3	20.3	5.1	0.0	0.0	4.7	5.8	4.8	30.0	14.7	15.3
2032	46.2	18.4	4.3	0.0	0.0	4.5	5.8	3.8	27.9	12.6	15.3
2033	42.1	16.3	3.5	0.0	0.0	4.3	5.5	3.0	25.8	10.6	15.2
2034	37.1	13.6	2.5	0.0	0.0	3.9	4.9	2.3	23.6	9.0	14.6
2035	32.7	11.6	2.2	0.0	0.0	3.4	4.3	1.6	21.1	7.6	13.5
2036	27.2	8.7	0.9	0.0	0.0	2.9	3.7	1.1	18.5	6.5	12.0
2037	21.9	6.4	0.0	0.0	0.0	2.5	3.2	0.7	15.5	5.4	10.2
2038	16.9	5.1	0.0	0.0	0.0	2.0	2.6	0.4	11.9	3.6	8.2
2039	13.4	3.9	0.0	0.0	0.0	1.6	2.0	0.2	9.6	2.9	6.6
2040	10.7	2.9	0.0	0.0	0.0	1.2	1.5	0.1	7.8	2.5	5.3
2041	6.9	2.1	0.0	0.0	0.0	0.9	1.1	0.0	4.8	1.0	3.8
2042	4.0	1.5	0.0	0.0	0.0	0.6	0.8	0.0	2.5	0.0	2.5
2043	2.5	1.0	0.0	0.0	0.0	0.4	0.6	0.0	1.5	0.0	1.5
2044	1.2	0.6	0.0	0.0	0.0	0.3	0.3	0.0	0.6	0.0	0.6
2045	0.3	0.3	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0
2046	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
2047	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2048	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2049	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2050	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total (10 ⁹ m ³)	476.0	340.8	161.3	22.7	10.7	41.4	53.7	51.1	135.2	79.3	55.8

Table 37: Sales Gas Production Forecasts - Contingent and Prospective Onshore and Offshore Resources - Imperial Units

Best Estimate Case with Pipeline Capacity of 1.8 BCFD												
Year	Total Onshore plus Offshore MMCFD	Onshore Resources								Offshore Resources		
		Total Onshore MMCFD	Contingent Resources			Prospective Resources			Total Offshore MMCFD	Contingent	Prospective	
			Total Anchor Fields MMCFD	Other Mackenzie Delta MMCFD	Colville Hills MMCFD	Basin Margin Play MMCFD	Listric Fault Play MMCFD	Colville Hills MMCFD		Discovered Beaufort Sea Fields MMCFD	Undiscovered Listric Fault Play MMCFD	
2009	132.5	132.5	132.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2010	830.0	830.0	830.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2011	1095.5	1095.5	830.0	139.6	125.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2012	1232.2	1232.2	830.0	276.4	125.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2013	1500.4	1500.4	830.0	276.4	137.6	82.2	122.1	52.2	0.0	0.0	0.0	0.0
2014	1561.8	1561.8	830.0	276.4	137.6	98.6	142.5	76.7	0.0	0.0	0.0	0.0
2015	1614.3	1614.3	830.0	269.3	129.7	115.1	162.8	107.4	0.0	0.0	0.0	0.0
2016	1800.0	1641.6	830.0	243.7	109.0	131.5	183.2	144.2	158.4	158.4	0.0	0.0
2017	1800.0	1649.1	830.0	200.3	86.3	147.9	203.5	181.0	150.9	150.9	0.0	0.0
2018	1800.0	1660.5	830.0	156.9	67.4	164.4	223.9	217.9	139.5	139.5	0.0	0.0
2019	1800.0	1669.8	830.0	123.2	51.7	176.1	237.2	251.7	130.2	130.2	0.0	0.0
2020	1800.0	1655.4	830.0	96.0	39.6	177.1	234.8	277.9	144.6	144.6	0.0	0.0
2021	1800.0	1633.7	830.0	72.7	19.9	177.6	232.5	301.0	166.3	166.3	0.0	0.0
2022	1800.0	1612.1	830.0	48.8	4.2	178.0	230.6	320.4	187.9	187.9	0.0	0.0
2023	1800.0	1577.9	816.0	15.5	2.7	178.4	229.1	336.2	222.1	222.1	0.0	0.0
2024	1800.0	1512.4	762.2	0.8	0.1	178.6	227.8	342.8	287.6	287.6	0.0	0.0
2025	1800.0	1375.3	628.8	0.0	0.0	178.9	226.8	340.9	424.6	424.6	0.0	0.0
2026	1800.0	1238.8	512.5	0.0	0.0	176.0	221.5	328.9	561.3	561.3	0.0	0.0
2027	1799.9	1091.8	420.8	0.0	0.0	164.4	203.5	303.1	708.1	629.0	79.2	79.2
2028	1799.9	992.3	349.4	0.0	0.0	164.4	203.5	275.1	807.6	612.2	195.4	195.4
2029	1800.0	905.6	298.4	0.0	0.0	164.4	203.5	239.3	894.3	593.8	300.5	300.5
2030	1800.0	805.3	234.5	0.0	0.0	164.4	203.5	202.9	994.7	566.7	428.0	428.0
2031	1777.3	717.4	181.7	0.0	0.0	164.4	203.5	167.8	1059.9	519.7	540.1	540.1
2032	1632.6	648.8	151.2	0.0	0.0	158.9	203.5	135.1	983.8	443.7	540.1	540.1
2033	1485.7	575.3	123.0	0.0	0.0	153.4	193.3	105.5	910.4	374.4	536.0	536.0
2034	1311.0	478.8	89.3	0.0	0.0	137.0	173.0	79.5	832.1	316.8	515.3	515.3
2035	1155.5	409.8	78.9	0.0	0.0	120.5	152.6	57.7	745.7	268.7	477.0	477.0
2036	959.4	306.5	30.1	0.0	0.0	104.1	132.3	40.0	652.9	228.5	424.5	424.5
2037	772.9	225.6	0.0	0.0	0.0	87.7	111.9	26.0	547.4	188.9	358.4	358.4
2038	597.8	178.8	0.0	0.0	0.0	71.5	91.6	15.7	418.9	128.8	290.1	290.1
2039	473.9	136.7	0.0	0.0	0.0	56.4	71.8	8.5	337.2	102.7	234.5	234.5
2040	377.3	100.9	0.0	0.0	0.0	42.7	54.4	3.8	276.4	89.5	186.9	186.9
2041	242.8	73.0	0.0	0.0	0.0	31.5	40.3	1.1	169.9	34.8	135.1	135.1
2042	140.6	51.5	0.0	0.0	0.0	22.5	28.9	0.0	89.1	0.0	89.1	89.1
2043	86.5	35.0	0.0	0.0	0.0	15.3	19.7	0.0	51.5	0.0	51.5	51.5
2044	41.1	21.7	0.0	0.0	0.0	9.4	12.3	0.0	19.5	0.0	19.5	19.5
2045	11.1	11.1	0.0	0.0	0.0	4.8	6.3	0.0	0.0	0.0	0.0	0.0
2046	3.7	3.7	0.0	0.0	0.0	1.9	1.8	0.0	0.0	0.0	0.0	0.0
2047	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2048	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2049	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2050	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total (BCF)	16803.1	12031.5	5693.7	801.6	378.7	1460.0	1894.3	1803.2	4771.6	2800.2	1971.4	1971.4

Table 38: Condensate Production Forecasts - Contingent and Prospective Onshore and Offshore Resources - Metric Units

Best Estimate Case with Pipeline Capacity of 51 10 ⁶ m ³ /d												
Year	Total Onshore plus Offshore m ³ /d	Onshore Resources							Offshore Resources			
		Total Onshore m ³ /d	Contingent Resources			Prospective Resources			Total Offshore m ³ /d	Contingent Discovered	Prospective Undiscovered	
			Total Anchor Fields m ³ /d	Other Mackenzie Delta m ³ /d	Colville Hills m ³ /d	Basin Margin Play m ³ /d	Listric Fault Play m ³ /d	Colville Hills m ³ /d		Beaufort Sea Fields m ³ /d	Listric Fault Play m ³ /d	
2009	269	269	269	0	0	0	0	0	0	0	0	0
2010	1599	1599	1599	0	0	0	0	0	0	0	0	0
2011	2123	2123	1501	621	0	0	0	0	0	0	0	0
2012	2155	2155	1427	728	0	0	0	0	0	0	0	0
2013	2524	2524	1485	728	0	157	155	0	0	0	0	0
2014	2525	2525	1428	728	0	188	181	0	0	0	0	0
2015	2543	2543	1446	671	0	220	206	0	0	0	0	0
2016	2467	2437	1390	564	0	251	232	0	30	30	0	0
2017	2282	2253	1250	463	0	282	258	0	29	29	0	0
2018	2154	2127	1154	376	0	314	284	0	26	26	0	0
2019	2050	2026	1084	305	0	336	301	0	25	25	0	0
2020	1949	1921	1037	248	0	338	298	0	27	27	0	0
2021	1826	1795	961	200	0	339	295	0	32	32	0	0
2022	1714	1678	887	159	0	340	292	0	36	36	0	0
2023	1496	1460	807	22	0	340	290	0	36	36	0	0
2024	1341	1305	674	1	0	341	289	0	36	36	0	0
2025	1201	1166	537	0	0	341	287	0	35	35	0	0
2026	1073	1041	424	0	0	336	281	0	32	32	0	0
2027	970	914	343	0	0	314	258	0	56	45	11	0
2028	925	855	284	0	0	314	258	0	70	42	28	0
2029	899	817	245	0	0	314	258	0	82	40	43	0
2030	862	764	192	0	0	314	258	0	98	37	61	0
2031	833	722	150	0	0	314	258	0	112	35	77	0
2032	794	686	125	0	0	303	258	0	108	31	77	0
2033	739	637	99	0	0	293	245	0	103	26	76	0
2034	655	559	78	0	0	261	219	0	96	23	73	0
2035	580	493	69	0	0	230	193	0	87	19	68	0
2036	465	388	22	0	0	199	168	0	77	17	60	0
2037	374	309	0	0	0	167	142	0	65	14	51	0
2038	304	253	0	0	0	137	116	0	51	10	41	0
2039	241	199	0	0	0	108	91	0	42	9	33	0
2040	185	150	0	0	0	81	69	0	34	8	27	0
2041	134	111	0	0	0	60	51	0	22	3	19	0
2042	92	80	0	0	0	43	37	0	13	0	13	0
2043	61	54	0	0	0	29	25	0	7	0	7	0
2044	36	33	0	0	0	18	16	0	3	0	3	0
2045	17	17	0	0	0	9	8	0	0	0	0	0
2046	6	6	0	0	0	4	2	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0	0
Total (10 ³ m ³)	15499	14962	7653	2122	0	2787	2400	0	536	256	280	0

Table 39: Condensate Production Forecasts - Contingent and Prospective Onshore and Offshore Resources - Imperial Units

Best Estimate Case with Pipeline Capacity of 1.8 BCFD											
Year	Total Onshore plus Offshore BPD	Onshore Resources							Offshore Resources		
		Total Onshore BPD	Contingent Resources			Prospective Resources			Total Offshore BPD	Contingent	Prospective
			Total Anchor Fields BPD	Other Mackenzie Delta BPD	Colville Hills BPD	Basin Margin Play BPD	Listric Fault Play BPD	Colville Hills BPD		Discovered Beaufort Sea Fields BPD	Undiscovered Listric Fault Play BPD
2009	1691	1691	1691	0	0	0	0	0	0	0	0
2010	10055	10055	10055	0	0	0	0	0	0	0	0
2011	13352	13352	9443	3909	0	0	0	0	0	0	0
2012	13553	13553	8975	4578	0	0	0	0	0	0	0
2013	15878	15878	9340	4578	0	987	973	0	0	0	0
2014	15879	15879	8981	4578	0	1184	1135	0	0	0	0
2015	15993	15993	9093	4220	0	1382	1298	0	0	0	0
2016	15515	15326	8741	3547	0	1579	1460	0	189	189	0
2017	14352	14172	7863	2911	0	1776	1622	0	180	180	0
2018	13546	13380	7258	2364	0	1974	1784	0	167	167	0
2019	12897	12741	6816	1921	0	2114	1890	0	155	155	0
2020	12258	12085	6525	1562	0	2126	1872	0	173	173	0
2021	11487	11289	6042	1261	0	2132	1853	0	199	199	0
2022	10780	10555	5582	998	0	2137	1838	0	224	224	0
2023	9410	9183	5078	138	0	2142	1826	0	226	226	0
2024	8433	8207	4241	5	0	2145	1816	0	226	226	0
2025	7557	7336	3380	0	0	2148	1808	0	221	221	0
2026	6746	6545	2667	0	0	2113	1765	0	201	201	0
2027	6104	5752	2156	0	0	1974	1622	0	352	282	71
2028	5819	5380	1784	0	0	1974	1622	0	439	264	174
2029	5653	5136	1541	0	0	1974	1622	0	517	249	268
2030	5423	4806	1211	0	0	1974	1622	0	617	234	382
2031	5242	4539	943	0	0	1974	1622	0	704	222	482
2032	4993	4313	783	0	0	1908	1622	0	680	198	482
2033	4650	4005	621	0	0	1842	1541	0	645	167	479
2034	4118	3516	493	0	0	1645	1379	0	602	142	460
2035	3647	3100	436	0	0	1447	1217	0	547	121	426
2036	2927	2444	139	0	0	1250	1054	0	483	104	379
2037	2355	1945	0	0	0	1053	892	0	410	90	320
2038	1910	1589	0	0	0	859	730	0	321	62	259
2039	1514	1250	0	0	0	677	572	0	264	55	209
2040	1163	946	0	0	0	512	434	0	216	50	167
2041	840	700	0	0	0	379	322	0	140	19	121
2042	581	501	0	0	0	271	231	0	80	0	80
2043	386	340	0	0	0	183	157	0	46	0	46
2044	228	211	0	0	0	113	98	0	17	0	17
2045	108	108	0	0	0	58	50	0	0	0	0
2046	37	37	0	0	0	23	14	0	0	0	0
2047	0	0	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0	0	0
Total (MBBL)	97483	94110	48136	13347	0	17530	15098	0	3373	1613	1760

Table 40: Sales Gas Production Forecasts - Contingent and Prospective Onshore and Offshore Resources - Metric Units

NEB P ₅₀ Resources Estimate with Pipeline Capacity of 34 10 ⁶ m ³ /d															
Year	Total Onshore plus Offshore 10 ⁶ m ³ /d	Onshore Resources										Offshore Resources			
		Total Onshore 10 ⁶ m ³ /d	Contingent Resources							Prospective Resources			Total Offshore 10 ⁶ m ³ /d	Contingent	Prospective
			Total Anchor Fields 10 ⁶ m ³ /d	Taglu 10 ⁶ m ³ /d	Parsons Lake 10 ⁶ m ³ /d	Niglintgak 10 ⁶ m ³ /d	Other Mackenzie Delta 10 ⁶ m ³ /d	Colville Hills 10 ⁶ m ³ /d	Basin Margin Play 10 ⁶ m ³ /d	Listric Fault Play 10 ⁶ m ³ /d	Colville Hills 10 ⁶ m ³ /d	Discovered Beaufort Sea Fields 10 ⁶ m ³ /d		Undiscovered Listric Fault Play 10 ⁶ m ³ /d	
2009	3.2	3.2	3.2	1.9	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2010	22.7	22.7	22.7	11.3	8.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2011	30.2	30.2	22.7	11.3	8.5	2.8	4.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2012	34.0	34.0	22.7	11.3	8.5	2.8	7.8	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2013	34.0	34.0	22.7	11.3	8.5	2.8	7.8	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2014	34.0	34.0	22.7	11.3	8.5	2.8	7.8	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2015	34.0	34.0	22.7	11.3	8.5	2.8	7.6	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2016	34.0	34.0	22.7	11.3	8.5	2.8	6.9	3.1	0.3	0.3	0.7	0.0	0.0	0.0	0.0
2017	34.0	34.0	22.7	11.3	8.5	2.8	5.7	2.5	0.6	0.8	1.7	0.0	0.0	0.0	0.0
2018	34.0	34.0	22.7	11.3	8.5	2.8	4.5	2.0	1.0	1.3	2.6	0.0	0.0	0.0	0.0
2019	34.0	34.0	20.2	10.3	7.0	2.8	3.5	1.6	2.1	2.7	4.0	0.0	0.0	0.0	0.0
2020	34.0	34.0	17.0	9.1	5.7	2.1	2.7	1.2	3.3	4.3	5.5	0.0	0.0	0.0	0.0
2021	34.0	34.0	13.9	7.7	4.6	1.7	2.1	0.7	4.4	5.7	7.2	0.0	0.0	0.0	0.0
2022	34.0	34.0	11.5	6.3	3.9	1.3	1.4	0.2	5.4	6.9	8.6	0.0	0.0	0.0	0.0
2023	34.0	34.0	9.5	5.2	3.3	1.0	0.4	0.1	6.2	8.1	9.6	0.0	0.0	0.0	0.0
2024	34.0	34.0	8.2	4.3	3.1	0.8	0.0	0.1	6.8	8.8	10.1	0.0	0.0	0.0	0.0
2025	34.0	34.0	6.7	3.5	2.5	0.7	0.0	0.1	7.2	9.4	10.6	0.0	0.0	0.0	0.0
2026	34.0	34.0	5.3	2.6	2.1	0.5	0.0	0.0	7.6	10.0	11.2	0.0	0.0	0.0	0.0
2027	34.0	33.3	4.0	1.8	1.7	0.5	0.0	0.0	7.5	10.5	11.3	0.7	0.7	0.0	0.0
2028	34.0	31.7	3.0	1.6	1.5	0.0	0.0	0.0	7.3	10.8	10.5	2.3	2.3	0.0	0.0
2029	34.0	30.1	2.5	1.2	1.3	0.0	0.0	0.0	7.1	11.1	9.5	3.9	3.9	0.0	0.0
2030	34.0	27.3	2.1	1.0	1.1	0.0	0.0	0.0	6.8	10.2	8.3	6.7	6.7	0.0	0.0
2031	34.0	23.6	0.9	0.9	0.0	0.0	0.0	0.0	6.5	9.2	7.1	10.4	10.4	0.0	0.0
2032	34.0	20.9	0.8	0.8	0.0	0.0	0.0	0.0	6.0	8.2	5.9	13.1	13.1	0.0	0.0
2033	34.0	17.1	0.0	0.0	0.0	0.0	0.0	0.0	5.4	7.0	4.7	16.9	16.9	0.0	0.0
2034	34.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	5.8	3.5	20.0	18.9	1.1	1.1
2035	33.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	3.9	4.6	2.6	21.9	18.8	3.2	3.2
2036	32.3	8.6	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.5	1.8	23.7	18.6	5.0	5.0
2037	31.7	6.6	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	1.3	25.2	17.7	7.5	7.5
2038	31.3	5.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.0	0.9	26.3	15.8	10.6	10.6
2039	31.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.4	0.5	27.4	13.5	13.9	13.9
2040	29.1	2.4	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.9	0.2	26.7	11.5	15.2	15.2
2041	26.2	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.6	0.0	24.7	9.8	14.9	14.9
2042	23.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.2	0.0	22.7	8.4	14.3	14.3
2043	20.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	20.5	7.1	13.4	13.4
2044	18.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	18.1	5.9	12.2	12.2
2045	15.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	14.8	4.3	10.5	10.5
2046	12.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	12.2	3.5	8.7	8.7
2047	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1	3.1	7.0	7.0
2048	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	1.7	5.4	5.4
2049	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	1.5	4.0	4.0
2050	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	1.4	2.9	2.9
2051	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	1.2	1.9	1.9
2052	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.9	1.0	1.0
2053	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.2
Total (10⁹m³)	428.8	293.7	114.1	58.5	42.1	13.6	22.7	10.7	41.4	53.7	51.1	135.2	79.3	55.8	

Table 41: Sales Gas Production Forecasts - Contingent and Prospective Onshore and Offshore Resources - Imperial Units

NEB P ₅₀ Resources Estimate with Pipeline Capacity of 1.2 BCFD														
Year	Total Onshore plus Offshore MMCFD	Total Onshore MMCFD	Onshore Resources									Offshore Resources		
			Contingent Resources						Prospective Resources			Total Offshore MMCFD	Contingent Discovered Beaufort Sea Fields MMCFD	Prospective Undiscovered Listric Fault Play MMCFD
			Total Anchor Fields MMCFD	Taglu MMCFD	Parsons Lake MMCFD	Niglintgak MMCFD	Other Mackenzie Delta MMCFD	Colville Hills MMCFD	Basin Margin Play MMCFD	Listric Fault Play MMCFD	Colville Hills MMCFD			
2009	112.6	112.6	112.6	66.7	33.8	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2010	800.0	800.0	800.0	400.0	300.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2011	1065.4	800.0	800.0	400.0	300.0	100.0	139.6	125.8	0.0	0.0	0.0	0.0	0.0	0.0
2012	1200.0	1200.0	800.0	400.0	300.0	100.0	275.0	125.0	0.0	0.0	0.0	0.0	0.0	0.0
2013	1200.0	1200.0	800.0	400.0	300.0	100.0	275.0	125.0	0.0	0.0	0.0	0.0	0.0	0.0
2014	1200.0	1200.0	800.0	400.0	300.0	100.0	275.0	125.0	0.0	0.0	0.0	0.0	0.0	0.0
2015	1200.0	1200.0	800.0	400.0	300.0	100.0	269.3	129.7	0.3	0.4	0.3	0.0	0.0	0.0
2016	1200.0	1200.0	800.0	400.0	300.0	100.0	244.4	109.6	9.3	12.1	24.6	0.0	0.0	0.0
2017	1200.0	1200.0	800.0	400.0	300.0	100.0	200.9	86.7	22.6	29.3	60.5	0.0	0.0	0.0
2018	1200.0	1200.0	800.0	400.0	300.0	100.0	157.4	69.2	35.8	46.5	91.0	0.0	0.0	0.0
2019	1200.0	1200.0	712.8	364.2	248.6	100.0	123.6	55.8	72.7	94.3	140.8	0.0	0.0	0.0
2020	1200.0	1200.0	598.8	322.3	201.9	74.6	96.3	44.1	115.8	150.2	194.9	0.0	0.0	0.0
2021	1200.0	1200.0	492.4	270.4	163.6	58.4	73.0	23.3	155.3	201.4	254.6	0.0	0.0	0.0
2022	1200.0	1200.0	405.4	223.4	136.4	45.6	49.1	7.2	189.1	245.3	303.9	0.0	0.0	0.0
2023	1200.0	1200.0	336.3	184.2	116.2	35.9	15.7	4.6	220.3	285.8	337.3	0.0	0.0	0.0
2024	1200.0	1200.0	290.0	152.7	108.6	28.7	1.6	3.5	238.7	309.7	356.5	0.0	0.0	0.0
2025	1200.0	1200.0	235.4	123.4	89.0	23.1	0.0	2.7	255.8	331.9	374.2	0.0	0.0	0.0
2026	1200.0	1200.0	186.1	92.4	74.6	19.1	0.0	0.1	267.4	351.4	394.9	0.0	0.0	0.0
2027	1200.0	1175.4	141.7	64.4	61.2	16.1	0.0	0.0	265.3	369.0	399.4	24.6	24.6	0.0
2028	1200.0	1120.5	106.9	54.8	52.1	0.0	0.0	0.0	259.3	382.7	371.6	79.5	79.5	0.0
2029	1200.0	1062.4	87.1	41.4	45.7	0.0	0.0	0.0	250.9	390.5	333.8	137.6	137.6	0.0
2030	1200.0	964.9	74.0	33.9	40.1	0.0	0.0	0.0	238.8	360.1	291.9	235.1	235.1	0.0
2031	1200.0	834.4	30.2	30.2	0.0	0.0	0.0	0.0	228.3	325.4	250.5	365.6	365.6	0.0
2032	1200.0	737.3	28.4	28.4	0.0	0.0	0.0	0.0	211.4	287.9	209.6	462.7	462.7	0.0
2033	1200.0	604.5	0.0	0.0	0.0	0.0	0.0	0.0	191.6	247.0	166.0	595.5	595.5	0.0
2034	1199.6	493.4	0.0	0.0	0.0	0.0	0.0	0.0	163.7	205.2	124.6	706.1	666.2	40.0
2035	1166.4	391.7	0.0	0.0	0.0	0.0	0.0	0.0	138.0	162.4	91.4	774.7	663.3	111.4
2036	1139.7	304.7	0.0	0.0	0.0	0.0	0.0	0.0	115.0	125.0	64.7	835.0	657.1	177.9
2037	1120.2	231.8	0.0	0.0	0.0	0.0	0.0	0.0	93.5	93.1	45.2	888.4	624.4	264.0
2038	1105.9	176.5	0.0	0.0	0.0	0.0	0.0	0.0	75.5	69.9	31.0	929.5	556.5	373.0
2039	1093.8	127.2	0.0	0.0	0.0	0.0	0.0	0.0	57.6	50.7	18.9	966.6	476.3	490.4
2040	1026.7	83.0	0.0	0.0	0.0	0.0	0.0	0.0	42.7	33.3	7.0	943.7	405.4	538.3
2041	926.1	53.1	0.0	0.0	0.0	0.0	0.0	0.0	31.5	20.5	1.1	873.0	346.0	527.0
2042	832.1	31.3	0.0	0.0	0.0	0.0	0.0	0.0	22.5	8.7	0.0	800.8	296.1	504.7
2043	738.9	15.4	0.0	0.0	0.0	0.0	0.0	0.0	15.3	0.1	0.0	723.6	251.0	472.6
2044	647.7	9.4	0.0	0.0	0.0	0.0	0.0	0.0	9.4	0.0	0.0	638.3	209.4	428.9
2045	528.3	4.8	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	523.5	151.1	372.4
2046	434.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	432.1	124.1	307.9
2047	357.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	357.5	109.2	248.2
2048	250.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	250.1	58.4	191.7
2049	195.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	195.0	52.9	142.1
2050	149.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	149.8	47.8	102.0
2051	109.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	109.9	43.3	66.6
2052	66.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.4	32.6	33.8
2053	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0	8.3
Total (BCF)	15138.2	10366.6	4028.9	2063.3	1486.1	479.5	801.6	378.7	1460.0	1894.3	1803.2	4771.6	2800.2	1971.4

Table 42: Condensate Production Forecasts - Contingent and Prospective Onshore and Offshore Resources - Metric Units

NEB P ₅₀ Resources Estimate with Pipeline Capacity of 34 10 ⁶ m ³ /d																
Year	Total Onshore plus Offshore m ³ /d	Onshore Resources										Offshore Resources				
		Total Onshore m ³ /d	Contingent Resources							Prospective Resources			Total Offshore m ³ /d	Contingent	Prospective	
			Total Anchor Fields m ³ /d	Taglu m ³ /d	Parsons Lake m ³ /d	Niglintgak m ³ /d	Other Mackenzie Delta m ³ /d	Colville Hills m ³ /d	Basin Margin Play m ³ /d	Listric Fault Play m ³ /d	Colville Hills m ³ /d	Discovered Beaufort Sea Fields m ³ /d		Undiscovered Listric Fault Play m ³ /d		
2009	241	241	241	184	57	1	0	0	0	0	0	0	0	0	0	0
2010	1597	1597	1597	1090	501	5	0	0	0	0	0	0	0	0	0	0
2011	2121	2121	1500	1016	478	5	621	0	0	0	0	0	0	0	0	0
2012	2153	2153	1425	959	461	5	728	0	0	0	0	0	0	0	0	0
2013	2211	2211	1483	1018	460	5	728	0	0	0	0	0	0	0	0	0
2014	2154	2154	1426	978	442	5	728	0	0	0	0	0	0	0	0	0
2015	2116	2116	1444	1000	438	5	671	0	0	0	0	0	0	0	0	0
2016	1980	1980	1388	951	431	5	564	0	15	13	0	0	0	0	0	0
2017	1780	1780	1248	828	415	5	463	0	36	32	0	0	0	0	0	0
2018	1637	1637	1152	747	400	5	376	0	58	51	0	0	0	0	0	0
2019	1480	1480	954	626	322	5	305	0	117	104	0	0	0	0	0	0
2020	1385	1385	785	529	252	4	248	0	187	165	0	0	0	0	0	0
2021	1273	1273	601	403	195	3	200	0	250	221	0	0	0	0	0	0
2022	1191	1191	458	298	158	2	159	0	305	270	0	0	0	0	0	0
2023	1045	1045	354	223	129	2	22	0	355	314	0	0	0	0	0	0
2024	1005	1005	279	166	113	0	1	0	385	340	0	0	0	0	0	0
2025	995	995	218	123	95	0	0	0	412	365	0	0	0	0	0	0
2026	983	983	166	86	79	0	0	0	431	386	0	0	0	0	0	0
2027	960	955	122	58	65	0	0	0	428	405	0	5	5	0	0	0
2028	956	941	103	48	55	0	0	0	418	421	0	15	15	0	0	0
2029	943	917	83	36	48	0	0	0	405	429	0	26	26	0	0	0
2030	888	852	71	29	42	0	29	0	385	396	0	36	36	0	0	0
2031	788	752	26	26	0	0	0	0	368	358	0	36	36	0	0	0
2032	718	682	25	25	0	0	0	0	341	316	0	36	36	0	0	0
2033	616	580	0	0	0	0	0	0	309	271	0	36	36	0	0	0
2034	547	489	0	0	0	0	0	0	264	225	0	58	52	6	6	6
2035	469	401	0	0	0	0	0	0	222	178	0	68	52	16	16	16
2036	400	323	0	0	0	0	0	0	185	137	0	77	52	25	25	25
2037	340	253	0	0	0	0	0	0	151	102	0	87	49	37	37	37
2038	297	199	0	0	0	0	0	0	122	77	0	99	46	53	53	53
2039	259	149	0	0	0	0	0	0	93	56	0	111	41	70	70	70
2040	217	105	0	0	0	0	0	0	69	37	0	112	35	76	76	76
2041	179	73	0	0	0	0	0	0	51	23	0	105	30	75	75	75
2042	144	46	0	0	0	0	0	0	36	10	0	98	26	72	72	72
2043	115	25	0	0	0	0	0	0	25	0	0	90	23	67	67	67
2044	96	15	0	0	0	0	0	0	15	0	0	81	20	61	61	61
2045	76	8	0	0	0	0	0	0	8	0	0	68	15	53	53	53
2046	60	3	0	0	0	0	0	0	3	0	0	57	14	44	44	44
2047	47	0	0	0	0	0	0	0	0	0	0	47	12	35	35	35
2048	38	0	0	0	0	0	0	0	0	0	0	38	11	27	27	27
2049	30	0	0	0	0	0	0	0	0	0	0	30	10	20	20	20
2050	24	0	0	0	0	0	0	0	0	0	0	24	9	14	14	14
2051	18	0	0	0	0	0	0	0	0	0	0	18	8	9	9	9
2052	11	0	0	0	0	0	0	0	0	0	0	11	6	5	5	5
2053	1	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1
Total (10³ m³)	13353	12817	6259	4178	2057	24	2122	0	2354	2081	0	536	256	280		

Table 43: Condensate Production Forecasts - Contingent and Prospective Onshore and Offshore Resources - Imperial Units

NEB P ₅₀ Resources Estimate with Pipeline Capacity of 1.2 BCFD														
Year	Total Onshore plus Offshore BPD	Total Onshore BPD	Onshore Resources									Offshore Resources		
			Contingent Resources						Prospective Resources			Total Offshore BPD	Contingent Discovered Beaufort Sea Fields BPD	Prospective Undiscovered Listric Fault Play BPD
			Total Anchor Fields BPD	Taglu BPD	Parsons Lake BPD	Niglintgak BPD	Other Mackenzie Delta BPD	Colville Hills BPD	Basin Margin Play BPD	Listric Fault Play BPD	Colville Hills BPD			
2009	1518	1518	1518	1156	357	4	0	0	0	0	0	0	0	0
2010	10044	10044	10044	6858	3152	34	0	0	0	0	0	0	0	0
2011	13342	13342	9433	6390	3009	34	3909	0	0	0	0	0	0	0
2012	13543	13543	8965	6034	2897	34	4578	0	0	0	0	0	0	0
2013	13908	13908	9330	6404	2891	34	4578	0	0	0	0	0	0	0
2014	13549	13549	8971	6154	2782	34	4578	0	0	0	0	0	0	0
2015	13309	13309	9083	6292	2756	34	4220	0	3	3	0	0	0	0
2016	12455	12455	8730	5983	2713	34	3547	0	95	84	0	0	0	0
2017	11194	11194	7852	5205	2612	34	2911	0	229	202	0	0	0	0
2018	10296	10296	7247	4696	2517	34	2364	0	363	321	0	0	0	0
2019	9310	9310	6000	3940	2026	34	1921	0	737	652	0	0	0	0
2020	8709	8709	4935	3326	1584	26	1562	0	1174	1038	0	0	0	0
2021	8008	8008	3780	2532	1228	20	1261	0	1575	1392	0	0	0	0
2022	7492	7492	2881	1874	992	16	998	0	1918	1695	0	0	0	0
2023	6574	6574	2226	1405	809	12	138	0	2234	1975	0	0	0	0
2024	6322	6322	1756	1042	714	0	5	0	2421	2140	0	0	0	0
2025	6258	6258	1370	771	599	0	0	0	2595	2294	0	0	0	0
2026	6182	6182	1041	542	499	0	0	0	2712	2428	0	0	0	0
2027	6039	6009	768	362	407	0	0	0	2691	2550	0	29	29	0
2028	6014	5919	645	299	345	0	0	0	2630	2645	0	95	95	0
2029	5932	5768	524	224	300	0	0	0	2545	2699	0	164	164	0
2030	5584	5357	446	183	263	0	0	0	2422	2489	0	226	226	0
2031	4955	4728	164	164	0	0	0	0	2315	2249	0	226	226	0
2032	4515	4289	154	154	0	0	0	0	2144	1990	0	226	226	0
2033	3876	3650	0	0	0	0	0	0	1943	1707	0	226	226	0
2034	3440	3078	0	0	0	0	0	0	1660	1418	0	362	326	36
2035	2947	2521	0	0	0	0	0	0	1399	1122	0	426	326	99
2036	2514	2031	0	0	0	0	0	0	1167	864	0	484	325	159
2037	2136	1591	0	0	0	0	0	0	948	643	0	545	309	236
2038	1871	1249	0	0	0	0	0	0	766	483	0	622	289	333
2039	1631	935	0	0	0	0	0	0	584	350	0	696	259	438
2040	1366	663	0	0	0	0	0	0	433	230	0	703	222	481
2041	1124	462	0	0	0	0	0	0	320	142	0	662	192	470
2042	906	289	0	0	0	0	0	0	229	60	0	617	166	451
2043	722	155	0	0	0	0	0	0	155	1	0	567	145	422
2044	605	95	0	0	0	0	0	0	95	0	0	510	127	383
2045	477	49	0	0	0	0	0	0	49	0	0	428	95	332
2046	380	20	0	0	0	0	0	0	20	0	0	360	85	275
2047	299	0	0	0	0	0	0	0	0	0	0	299	77	222
2048	241	0	0	0	0	0	0	0	0	0	0	241	70	171
2049	190	0	0	0	0	0	0	0	0	0	0	190	63	127
2050	148	0	0	0	0	0	0	0	0	0	0	148	57	91
2051	111	0	0	0	0	0	0	0	0	0	0	111	52	59
2052	69	0	0	0	0	0	0	0	0	0	0	69	39	30
2053	7	0	0	0	0	0	0	0	0	0	0	7	0	7
Total (MBBL)	83990	80618	39371	26277	12940	154	13347	0	14808	13092	0	3373	1613	1760

ECONOMIC ANALYSIS

Economic analyses have been conducted to determine which discovered fields are economic to develop and to determine the minimum undiscovered pool size that is economic to develop in each play type and region.

General Development Plan Assumptions

- 1) Gas processing facilities at individual fields or groups of fields consisted of gas dehydration and compression.
- 2) Two-phase natural gas pipelines transporting gas with condensate from fields in the Mackenzie Delta and Beaufort Sea regions were assumed to connect to the main gathering system.
- 3) Condensate will be separated at the Inuvik liquids stabilization facility and transported on the liquids line to Norman Wells.
- 4) Natural gas will be compressed at the Inuvik gas compression facility to prepare it for transportation on the main Mackenzie Valley pipeline.
- 5) Gas production will be subject to fees for use of the gas gathering and compression system and the main gas transportation pipeline to Alberta.
- 6) Condensate production will be subject to fees for the use of the liquids stabilization unit and transportation on the new liquids line to Norman Wells and the existing liquids line from that point to Alberta.

Capital Expenditures

The operators provided capital expenditure forecasts for the anchor fields. Capital expenditure estimates for development of the remaining discovered and undiscovered resources included a review of the following:

- 1) Estimates prepared by the operators for the anchor fields.
- 2) Field development plan application for the Ikhil Field.
- 3) Northern Oil and Gas Annual Reports published by the Department of Indian Affairs and Northern Development.
- 4) Export applications submitted to the NEB by Esso Resources Canada Limited, Gulf Canada Resources Limited and Shell Canada Limited in 1988.

Economic analyses were conducted on discovered resource entities to determine economic viability. Those entities that were judged to be uneconomic to develop using GLJ's current price forecast were excluded from the gas supply forecasts. Economic analyses were also conducted on the development of projected undiscovered resource entities to determine the economic cutoff pool size to be included in the gas supply forecast.

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