

Applications Approved within the Liege Field through the ID 99-1 Approval Process

Attachment 1

Date of EUB Approval	Application Number	UWI	EUB Field	Pre 2004 Pool Name	January 2004 Pool Name	Net Bitumen Pay RGS or EUB letter (meters)	RGS Classification	Approved	Arguments	EUB Conclusions
April 1st, 1999	1026613	02/15-09-093-18W4/0	Liege	McMurray C	Wabiskaw O	N/A	A	Yes	1, 2, 3	10
		00/03-15-093-18W4/2	Liege	McMurray C	Wabiskaw O	N/A	A	Yes	1, 2, 3	10
April 20th, 1999	1039686	00/08-23-092-20W4/0	Liege	Wabiskaw A	Wabiskaw H	N/A	N	Yes	2	11
March 24th, 1999	1035597	00/10-07-091-20W4/0	Liege	Wabiskaw D	Wabiskaw H	N/A	N	Yes	2	11
		00/10-20-091-20W4/0	Liege	Wabiskaw D	Wabiskaw H	N/A	N	Yes	2	11
		00/01-32-091-20W4/0	Liege	Wabiskaw D	Wabiskaw H	N/A	N	Yes	2	11
		00/06-33-091-20W4/0	Liege	Wabiskaw D	Wabiskaw H	N/A	N	Yes	2	11
July 7th, 1999	1035597	00/05-28-092-19W4/0	Liege	Wabiskaw A	Wabiskaw H	N/A	N	Yes	2	11
		00/07-29-092-19W4/0	Liege	Wabiskaw A	Wabiskaw H	N/A	N	Yes	2	11
		00/07-31-092-19W4/0	Liege	Wabiskaw A	Wabiskaw H	N/A	N	Yes	2	11
		00/05-32-092-19W4/0	Liege	Wabiskaw A	Wabiskaw H	N/A	N	Yes	2	11
		00/06-33-092-19W4/0	Liege	Wabiskaw A	Wabiskaw H	N/A	N	Yes	2	11
		00/03-01-093-20W4/0	Liege	Wabiskaw A	Wabiskaw H	N/A	N	Yes	2	11
		00/01-02-093-20W4/0	Liege	Wabiskaw A	Wabiskaw H	N/A	N	Yes	2	11
July 29th, 1999	1042667	00/05-29-094-17W4/0	Liege	McMurray C	Wabiskaw O	N/A	A	Yes	3,4,5	10
		00/09-20-094-17W4/2	Liege	McMurray C	Wabiskaw O	N/A	A	Yes	3,4,5	10

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		00/13-08-094-17W4/0	Liege	McMurray C	Wabiskaw O	22.79	A	Yes	3,4,5	10
February 29th, 2000	1059268	00/08-17-094-18W4/0	Liege	McMurray C	Wabiskaw O	N/A	A	Yes	1, 3, 4	10
		00/08-18-094-18W4/0	Liege	McMurray C	Wabiskaw O	N/A	A	Yes	1, 3, 4	10
		00/08-19-094-18W4/0	Liege	McMurray C	Wabiskaw O	N/A	A	Yes	1, 3, 4	10
March 1st, 2000	1057836	00/01-14-093-18W4/0	Liege	McMurray C	Wabiskaw O	N/A	A	Yes	1, 3, 4	10
		00/11-16-093-18W4/0	Liege	McMurray C	Wabiskaw O	N/A	A	Yes	1, 3, 4	10
		00/10-17-093-18W4/0	Liege	McMurray C	Wabiskaw O	N/A	A	Yes	1, 3, 4	10
		00/07-20-093-18W4/0	Liege	McMurray C	Wabiskaw O	N/A	A	Yes	1, 3, 4	10
April 12th, 2000	1061210	00/09-19-093-18W4/0	Liege	McMurray C	Wabiskaw O	N/A	A	Yes	1, 3, 4	10
May 5th, 2000	1062583	00/16-15-091-19W4/0	Liege	Wabiskaw H	Wabiskaw H	N/A	N	Yes	2, 4	11
		00/05-25-091-19W4/0	Liege	Wabiskaw H	Wabiskaw H	N/A	N	Yes	2, 4	11
June 15th, 2000	1063754	00/09-34-092-20W4/0	Liege	Wabiskaw H	Wabiskaw H	N/A	N	Yes	2	11
June 15th, 2000	1064106	00/15-26-092-20W4/0	Liege	Wabiskaw H	Wabiskaw H	N/A	N	Yes	2	11
June 15th, 2000	1064109	00/02-20-092-20W4/0	Liege	Wabiskaw H	Wabiskaw H	N/A	N	Yes	2	11
April 27th, 2001	1088270	00/10-28-093-17W4/0	Liege	Wabiskaw U/D	Wabiskaw K	17.99	N	Yes	1	10
		00/01-30-095-17W4/0	Liege	McMurray C	Wabiskaw O	9.6	A	Yes	2, 3, 4	10, 11
		00/11-12-095-18W4/0	Liege	McMurray C	Wabiskaw O	N/A	A	Yes	2, 3, 4	10, 11

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		00/02-30-095-17W4/0	Liege	McMurray C	Wabiskaw O	9.6	A	Yes	2, 3, 4	10, 11
		00/03-29-095-17W4/0	Liege	McMurray C	Wabiskaw O	N/A	A	Yes	2, 3, 4	10, 11
		00/06-12-095-18W4/0	Liege	McMurray C	Wabiskaw O	N/A	A	Yes	2, 3, 4	10, 11
		00/09-25-093-18W4/0	Liege	McMurray C	Wabiskaw O	N/A	A	Yes	2, 3, 4	10, 11
		00/12-30-093-17W4/0	Liege	McMurray C	Wabiskaw O	N/A	A	Yes	2, 3, 4	10, 11
January 11th, 2002	1245905	00/10-33-094-17W4/0	Liege	McMurray C	Wabiskaw O	13.19	A	Yes	3, 4	10
		00/11-34-094-17W4/2	Liege	McMurray C	Wabiskaw O	10	A	Yes	3, 4	10
		00/06-16-095-17W4/2	Liege	McMurray C	Wabiskaw O	12.9	A	Yes	3, 4	10
April 12th, 2002	1259428	00/12-19-093-17W4/0	Liege	McMurray C	Wabiskaw O	5.5	A	Yes	1, 4	10
		00/11-23-093-18W4/0	Liege	McMurray C	Wabiskaw O	5	A	Yes	1, 4	10
		00/03-27-093-18W4/0	Liege	McMurray C	Wabiskaw O	5.5	A	Yes	1, 4	10
		00/02-28-093-18W4/0	Liege	McMurray C	Wabiskaw O	5.5	A	Yes	1, 4	10
		00/02-36-093-18W4/0	Liege	McMurray C	Wabiskaw O	17.2	A	Yes	3, 4	10
April 12th, 2002	1258650	00/06-21-094-17W4/0	Liege	McMurray C	Wabiskaw O	16.3	A	Yes	3, 4	10
		00/11-10-094-18W4/0	Liege	McMurray C	Wabiskaw O	10.95	A	Yes	3, 4	10
		00/06-15-094-18W4/0	Liege	McMurray C	Wabiskaw O	12	A	Yes	3, 4	10
		00/15-07-095-17W4/0	Liege	McMurray C	Wabiskaw O	14.05	A	Yes	3, 4	10

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		00/11-08-095-17W4/0	Liege	McMurray C	Wabiskaw O	14.05	A	Yes	3, 4	10
		00/05-14-095-18W4/0	Liege	McMurray C	Wabiskaw O	0	A	Yes	1, 4	10
May 7th, 2002	1258634	00/14-02-095-17W4/0	Liege	McMurray C	Wabiskaw O	8.95	A	Yes	3,4	10
		00/15-15-095-17W4/0	Liege	McMurray C	Wabiskaw O	11.39	A	Yes	3,4	10
		00/10-24-095-17W4/0	Liege	McMurray C	Wabiskaw O	12.95	A	Yes	3,4	10
May 9th, 2002	1259736	00/10-14-091-19W4/0	Liege	Wabiskaw H	Wabiskaw H	7.4	N	Yes	2, 4	10
August 21st, 2003	1293661	00/06-04-094-18W4/0	Liege	McMurray C	Wabiskaw O	4.9	A	Yes	1, 2, 3	10
		00/02-22-094-18W4/0	Liege	McMurray C	Wabiskaw O	9.9	A	Yes	1, 2, 3	10
		00/03-23-094-18W4/0	Liege	McMurray C	Wabiskaw O	9.9	A	Yes	1, 2, 3	10
		00/14-27-094-18W4/0	Liege	McMurray C	Wabiskaw O	0	A	Yes	1, 2, 3	10
		00/16-28-094-18W4/0	Liege	McMurray C	Wabiskaw O	0	A	Yes	1, 2, 3	10
		00/12-26-094-17W4/0	Liege	McMurray C	Wabiskaw O	21	A	Yes	2, 3	10
December 8th, 2003	1298713	00/06-01-093-18W4/0	Liege	McMurray C	Wabiskaw O	7	A	Yes	1	10
		00/04-12-093-18W4/0	Liege	McMurray C	Wabiskaw O	4.5	A	Yes	1	10

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Legend										
EUB Arguments										
1 - Bitumen encountered is < 10-meter thermal cutoff										
2 - Reservoir pressure is < 500 kPaa										
3 - one-meter aquifer plus transition zone which creates a significant break in the vertical continuity of the bitumen										
4 - Bitumen leaseholder has no objection to approving gas production										
5 - Bitumen > 10 meters however, the wells do not contain a continuous bitumen accumulation, the wells contain shale and have a high water saturation (a 1 meter plus aquifer within the bitumen column)										
EUB Conclusions										
10 - Bitumen resource within the region of influence is not exploitable with reasonably foreseeable technology and economic conditions										
11 - A minimum pressure of 500 kPaa is a criteria used by the EUB staff in deciding what bitumen areas will be protected, as discussed in the EUB letter dated 22 December 1998 to all gas and in situ oil sands operators.										
N/A - Not Analyzed										