

# ACID GAS INJECTION IN WESTERN CANADA

Operator	Field Pool	Start Date	Acid Gas	Max. Injection	Compressor hp	Acid Gas	Pipeline	Line Length, m	Disposed	Amount	Wellhead pressure kPa	Well Depth, m
			%H <sub>2</sub> S/ %CO <sub>2</sub>	1,000 cu m/ day		dehydration type	material/ insulation		Sulphur m-ton/ day	CO <sub>2</sub> m-ton/ day		
<b>Injection into oil or gas zones:</b>												
Chevron Canada Resources	Acheson Blairmore T	June 1989	12/88	6	200	Yes TEG	CS No	2,200	1	9.8	3,800	1,230
Novagas Clearinghouse	Zama Keg River	May 1995	20/80	120	2 x 600	Yes TEG	CS No	4,000	32	179	8,000	1,490
ANG Gathering & Processing	Gordond K Halfway	Apr 1996	65/35	16.9	250	Yes Refrigeration	CS No	2,200	15	11	4,000	1,550
Canadian Occidental	Paddle River Nordegg	May 1996	5/95	28	300	Yes TEG	CS No	600	1.9	49	3,750	1,540
Anderson Exploration	Puskwaskua Leduc	Nov 1996	65/35	3	50	None	SS No	280	2.6	1.9	8,600	2,680
Anderson Exploration	Dunvegan Kiskatinaw	Dec 1996	60/40	5	150	Yes Mole Sieve	CS No	4,300	4.1	3.7	7,000	1,370
Westcoast Gas Services	Jedney Baldonell	Dec 1996	50/50	114	2 x 1,400	Yes TEG	CS Yes	1,200	77	106	6,000	1,400
Novagas Clearinghouse	Caribou	Mar 1997	60/40	69	2 x 310	None	CS No	300	56	51	13,100	3,780
<b>Injection into aquifers:</b>												
Renaissance Energy	Galahad Leduc	Feb 1994	20/80	30	350	Yes TEG	SS No	200	8.1	45	9,000	1,200
Novagas Clearinghouse	Provost Keg River	Sept 1994	9/91	23	300	None	SS No	280	2.8	39	10,000	1,430
Chevron Canada Resources	Pembina Wabamum	Nov 1994	75/23	16	200	None	SS Yes	480	16	6.8	8,000	2,870
Blue Range Resource	Clear Hills Belloy	Nov 1995	33/67	15	300	Yes Refrigeration	CS Yes	300	6.7	18.7	5,200	1,660
PanCanadian Petroleum	Wayne-Rosedale Leduc	Dec 1995	20/80	28	300	Yes TEG	CS No	100	7.6	41.7	6,500	2,000
Canrock Pipeline	Fourth Creek Belloy	May 1996	32/65	2.9	150	None	SS Yes	150	1.3	3.5	5,380	1,700
Morrison Petroleum	Watelet Cooking Lake	Jan 1997	20/80	15	350	None	SS No	75	4	22.3	5,000	2,025
Paramount Resources	Bistcho Lake Belloy	Apr 1997	25/75	101	1,200	Yes TEG	CS No	500	34.2	141	11,700	910
<b>Injection with disposal water:</b>												
PanCanadian Petroleum	Hansman Lake Cummings	Feb 1995	25/75	20	150	None	CS+liner No	800	6.8	27.9	7,500	825
PanCanadian Petroleum	Thompson Lake Leduc	June 1995	25/75	35	800	None	CS No	200	11.9	48.9	6,000	1,345
Summit Resources	Mirage Halfway B	Dec 1995	68/28	3.4	75	None	CS No	1,000	3.1	1.8	12,000	1,400

*Note:* CS - Carbon steel  
SS - Stainless steel  
TEG - Triethylene glycol