

Alberta Drilling Activity

Monthly Statistics

December 2023

ALBERTA ENERGY REGULATOR

Statistical Series 59: Alberta Drilling Activity Monthly Statistics

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ST-59 Alberta Drilling Activity Monthly Statistics

As of March 2014 (January 2014 data), the Alberta Drilling Activity - Monthly Statistics Report (ST-59) has been revised to incorporate enhancements to the content and report layout. The information contained in this report is obtained from well licence applications submitted to the AER under Directive 056 - Schedule 4.

For questions or concerns regarding the contents of this document, please contact inquiries@aer.ca.

Definitions and Notes:

Coalbed Methane (CBM) is a naturally occurring gas, typically dry in Alberta, composed predominantly of methane, produced during the transformation of organic matter into coal.

Crude Bitumen is a naturally occurring viscous mixture, composed mainly of hydrocarbons heavier than Pentane, that may contain sulphur compounds, and that in its naturally occurring viscous state will not flow to a well.

Crude Oil is a mixture composed mainly of pentanes and some heavier hydrocarbons that may be contaminated with sulphur compounds, which is recovered or is recoverable at a well from an underground reservoir. It is liquid at the conditions under which its volume is measured or estimated and includes all other hydrocarbon mixtures so recovered or recoverable, except is not inclusive of raw gas, condensate, or crude bitumen.

Development Wells include the following Lahee classifications: Development, Development Service, Re-Entry, and Other wells. Exploratory Wells include the following Lahee classifications: Deep Pool Testing, Experimental, New Pool Wildcat, New Field Wildcat, Outpost, and Test Hole wells.

Horizontally drilled wells are identified by the well operator upon fulfilling data filing requirements under AER Directive 059. One of the filing requirements is to report a horizontal drill event for the well when the wellbore path achieves or exceeds an angle of 80 degrees from its vertical trajectory. Wells with one or more reported horizontal drill events are considered to be horizontal for this report. Wells licensed as horizontal are categorized as vertical/directional until well surveys have been received by the AER.

Natural gas is raw gas, marketable gas, or any constituent of raw gas, condensate, crude bitumen, or crude oil that is recovered in processing and is gaseous at the conditions under which its volume is measured or estimated.

Oil sands Evaluation Wells are wells drilled in a defined oil sands area for the purpose of evaluating oil sands deposits. These wells are drilled without the intention to produce hydrocarbons.

Other Wells include water, waste, brine, and miscellaneous wells.

Successful Wells are considered to be wells that are drilled and cased and not abandoned at the time of drilling.



Oilsands Evaluation Wells are drilled in an oilsands area to evaluate the oilsands and is not intended to produce hydrocarbons.

Other wells includes water, waste, brine, and miscellaneous wells.

Successful Wells drilled are cased and not abandoned at the time of drilling.

Drilling Activity in Alberta Year 2023 *Monthly drilling data is subject to industry submitted ammendments to the AER. **Please see the cell comments for more information.



2023		DEVELOPMENT WELLS MONTHLY TOTAL															LY TOTAI		TO	OTAL																				
			NATU	RAL GAS					COALBED	METHANE					CRU	IDE OIL					CRUDE	BITUMEN					ОТ	HER												
Successful Wells	Vertical/Directiona		Hor	Horizontal		zontal Tota		Total		Total		Vertical/Directional		Horizontal		Total		Vertical/Directional		izontal	1	Γotal	Vertical/I	irectional	Hori	Horizontal		Total		Vertical/Directional		zontal	Total		Vertical/	Directional	Но	rizontal	Total	Total
	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres				
January	28	40,802	107	589,328	135	630,130	0	0	0	0	0	0	3	3,218	291	884,266	294	887,484	10	5,288	299	710,032	309	715,320	34	14,885	32	63,770	66	78,655	75	64,194	729	2,247,395	804	2,311,588				
February	8	20,216	84	456,550	92	476,766	0	0	0	0	0	0	3	3,930	300	923,175	303	927,105	10	5,022	293	699,284	303	704,306	57	31,996	26	47,458	83	79,454	78	61,163	703	2,126,467	781	2,187,630				
March	5	8,622	91	519,645	96	528,267	0	0	0	0	0	0	6	11,495	237	753,471	243	764,966	8	4,224	282	659,685	290	663,909	38	21,196	30	63,855	68	85,051	57	45,537	640	1,996,656	697	2,042,193				
April	3	6,773	63	364,174	66	370,947	0	0	0	0	0	0	2	9,645	61	237,793	63	247,438	7	3,684	236	520,944	243	524,628	3	903	14	32,906	17	33,809	15	21,005	374	1,155,817	389	1,176,822				
May	4	7,657	37	216,105	41	223,762	0	0	0	0	0	0	2	6,219	53	208,507	55	214,726	7	3,678	188	457,122	195	460,800	0	0	22	36,171	22	36,171	13	17,553	300	917,905	313	935,458				
June	2	8,364	47	272,630	49	280,994	0	0	0	0	0	0	1	540	171	505,324	172	505,864	13	7,359	341	761,851	354	769,209	2	775	31	57,012	33	57,787	18	17,038	590	1,596,816	608	1,613,854				
July	1	1,820	67	396,670	68	398,490	0	0	0	0	0	0	5	6,101	249	701,960	254	708,061	3	2,528	526	1,190,979	529	1,193,507	5	3,246	30	61,215	35	64,461	14	13,694	872	2,350,824	886	2,364,518				
August	3	9,381	72	412,010	75	421,391	0	0	0	0	0	0	1	1,154	277	842,188	278	843,342	4	2,711	445	985,283	449	987,994	5	2,369	24	45,838	29	48,207	13	15,614	818	2,285,319	831	2,300,933				
September	4	15,585	82	456,217	86	471,802	0	0	0	0	0	0	5	12,552	240	739,567	245	752,119	1	438	417	945,739	418	946,177	3	1,499	35	74,447	38	75,946	13	30,074	774	2,215,970	787	2,246,043				
October	5	14,821	72	399,432	77	414,253	0	0	0	0	0	0	7	10,093	305	876,569	312	886,662	4	4,985	434	943,840	438	948,825	6	2,471	26	52,660	32	55,131	22	32,370	837	2,272,501	859	2,304,871				
November	6	17,778	70	387,434	76	405,212	0	0	0	0	0	0	5	5,679	325	959,592	330	965,271	4	2,659	424	902,100	428	904,759	13	12,347	40	79,571	53	91,918	28	38,463	859	2,328,697	887	2,367,160				
December	7	24,855	73	409,703	80	434,558	0	0	0	0	0	0	4	4,912	201	609,903	205	614,815	3	1,700	137	292,623	140	294,323	17	6,969	10	23,542	27	30,511	31	38,437	421	1,335,771	452	1,374,208				
TOTAL	76	176,674	865	4,879,896	941	5,056,570	0	0	0	0	0	0	44	75,537	2,710	8,242,315	2,754	8,317,851	74	44,275	4,022	9,069,481	4,096	9,113,757	183	98,655	320	638,445	503	737,100	377	395,141	7,917	22,830,137	8,294	23,225,278				

2023														EXF	LORA	ORY WE	LLS															MONTHI	Y TOTAL		T	OTAL
			NATU	RAL GAS					COALBED	METHANE					CRU	IDE OIL					CRUDE	BITUMEN					01	THER								
Successful Wells	Vertical/	Directional	Hor	izontal	T	Total .	Vertical/	Directional	Horiz	ontal	To	otal	Vertical/	Directional	Hor	izontal	1	otal	Vertical/	Directional	Hor	izontal	Т	otal	Vertical/	Directional	Hor	izontal	1	Γotal	Vertical/I	ical/Directional		rizontal	Total Wells	Total Metres
	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres	weils	Wetres
January	2	6,364	4	19,985	6	26,349	0	0	0	0	0	0	3	4,661	12	37,636	15	42,297	0	0	0	0	0	0	0	0	0	0	0	0	5	11,025	16	57,621	21	68,646
February	0	0	1	5,870	1	5,870	0	0	0	0	0	0	8	11,003	10	30,092	18	41,095	0	0	0	0	0	0	0	0	0	0	0	0	8	11,003	11	35,962	19	46,965
March	2	5,563	3	15,324	5	20,887	0	0	0	0	0	0	3	4,544	2	11,922	5	16,466	0	0	0	0	0	0	0	0	0	0	0	0	5	10,107	5	27,246	10	37,353
April	1	4,930	1	5,882	2	10,812	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4,930	1	5,882	2	10,812
Мау	1	3,048	0	0	1	3,048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3,048	0	0	1	3,048
June	0	0	1	5,890	1	5,890	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5,890	1	5,890
July	1	4,069	1	6,100	2	10,169	0	0	0	0	0	0	2	4,002	1	2,650	3	6,652	0	0	0	0	0	0	0	0	0	0	0	0	3	8,071	2	8,750	5	16,821
August	1	3,588	3	19,686	4	23,274	0	0	0	0	0	0	0	0	2	6,820	2	6,820	0	0	0	0	0	0	0	0	0	0	0	0	1	3,588	5	26,506	6	30,094
September	1	1,743	2	13,337	3	15,080	0	0	0	0	0	0	2	4,325	7	24,205	9	28,530	0	0	0	0	0	0	0	0	0	0	0	0	3	6,068	9	37,542	12	43,610
October	1	1,497	0	0	1	1,497	0	0	0	0	0	0	2	2,302	16	35,930	18	38,232	0	0	0	0	0	0	0	0	0	0	0	0	3	3,799	16	35,930	19	39,729
November	1	1,630	0	0	1	1,630	0	0	0	0	0	0	0	0	22	43,763	22	43,763	0	0	0	0	0	0	0	0	0	0	0	0	1	1,630	22	43,763	23	45,393
December	1	1,678	0	0	1	1,678	0	0	0	0	0	0	1	1,243	22	60,211	23	61,454	0	0	0	0	0	0	0	0	0	0	0	0	2	2,921	22	60,211	24	63,132
TOTAL	12	34,110	16	92,074	28	126,184	0	0	0	0	0	0	21	32,079	94	253,229	115	285,308	0	0	0	0	0	0	0	0	0	0	0	0	33	66,189	110	345,303	143	411,492
GRAND TOTAL	88	210,784	881	4,971,969	969	5,182,754	0	0	0	0	0	0	65	107,616	2,804	8,495,544	2,869	8,603,160	74	44,275	4,022	9,069,481	4,096	9,113,757	183	98,655	320	638,445	503	737,100	410	461,330	8,027	23,175,439	8,437	23,636,770



Drilling Activity in Alberta - Oilsands Evaluation Wells

Year 2023

- *Monthly oilsands evaluation well data is subject to industry submitted ammendments to the AER.
- **Please see the cell comment for more information.

2023		OILS	MONTHLY TOTAL					
	Cold	l Lake	Atha	basca	Peace	River		
Successful Wells	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres
January	15	8,568	131	46,404	3	2,383	149	57,355
February	2	971	153	56,356	2	1,241	157	58,568
March	2	1,012	68	28,961	4	2,613	74	32,586
April	0	0	0	0	0	0	0	0
Мау	0	0	0	0	0	0	0	0
June	0	0	0	0	0	0	0	0
July	2	1,065	0	0	1	896	3	1,961
August	3	1,791	0	0	0	0	3	1,791
September	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0
November	4	2,386	0	0	0	0	4	2,386
December	1	448	1	589	0	0	2	1,037
TOTAL	29	16,241	353	132,310	10	7,133	392	155,684