

Alberta Drilling Activity

Monthly Statistics

June 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](mailto: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.

Drilling Activity in Alberta

Year 2023

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**Please see the cell comments for more information.



2023	DEVELOPMENT WELLS																								MONTHLY TOTAL				TOTAL								
	NATURAL GAS						COALBED METHANE						CRUDE OIL						CRUDE BITUMEN						OTHER						Vertical/Directional		Horizontal		Total Wells	Total Metres	
	Vertical/Directional		Horizontal		Total		Vertical/Directional		Horizontal		Total		Vertical/Directional		Horizontal		Total		Vertical/Directional		Horizontal		Total		Vertical/Directional		Horizontal		Total	Total							
Successful Wells	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	Total Wells	Total 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	26	12,370	32	63,770	58	76,140	67	61,679	729	2,247,395	796	2,309,073	
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	46	28,427	25	47,033	71	75,460	67	57,594	702	2,126,042	769	2,183,636	
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	31	18,858	30	63,855	61	82,713	50	43,198	640	1,996,656	690	2,039,855	
April	2	5,249	63	364,174	65	369,423	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	14	19,481	374	1,155,817	388	1,175,298	
May	3	5,902	37	216,105	40	222,007	0	0	0	0	0	0	2	6,219	53	208,507	55	214,726	6	3,308	186	455,546	192	458,854	0	0	22	36,171	22	36,171	11	15,428	298	916,329	309	931,757	
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	1	632	31	57,012	32	57,644	17	16,895	590	1,596,816	607	1,613,711	
July	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
August	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
September	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
October	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0	0	0	0	0	0	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	48	89,155	429	2,418,431	477	2,507,586	0	0	0	0	0	0	17	35,047	1,113	3,512,536	1,130	3,547,582	54	28,884	1,637	3,807,341	1,691	3,836,226	107	61,189	154	300,747	261	361,936	226	214,275	3,333	10,039,055	3,559	10,253,330	

2023	EXPLORATORY WELLS																								MONTHLY TOTAL				TOTAL									
	NATURAL GAS						COALBED METHANE						CRUDE OIL						CRUDE BITUMEN						OTHER						Vertical/Directional		Horizontal		Total Wells	Total Metres		
	Vertical/Directional		Horizontal		Total		Vertical/Directional		Horizontal		Total		Vertical/Directional		Horizontal		Total		Vertical/Directional		Horizontal		Total		Vertical/Directional		Horizontal		Total	Total								
Successful Wells	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	Total Wells	Total Metres						
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	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0
March	2	5,563	3	15,324	5	20,887	0	0	0	0	0	0	2	3,899	2	11,922	4	15,821	0	0	0	0	0	0	1	645	0	0	1	645	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	0	0	0	0	0	0		
May	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	0	0	0	0	0	0		
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	0	0	0	0		
July	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
August	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
September	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0	0	0	0	0	0	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	6	19,905	10	52,951	16	72,856	0	0	0	0	0	0	13	19,562	24	79,650	37	99,212	0	0	0	0	0	0	1	645	0	0	1	645	20	40,112	34	132,601	54	172,713		
GRAND TOTAL	54	109,060	439	2,471,382	493	2,580,442	0	0	0	0	0	0	30	54,609	1,137	3,592,186	1,167	3,646,795	54	28,884	1,637	3,807,341	1,691	3,836,226	108	61,834	154	300,747	262	362,581	246	254,387	3,367	10,171,656	3,613	10,426,043		

Drilling Activity in Alberta - Oilsands Evaluation Wells

Year 2023

*Monthly oilsands evaluation well data is subject to industry submitted amendments to the AER.

**Please see the cell comment for more information.

2023	OILSANDS EVALUATION WELLS						MONTHLY TOTAL	
	Cold Lake		Athabasca		Peace River		Wells	Metres
<i>Successful Wells</i>	Wells	Metres	Wells	Metres	Wells	Metres		
January	15	8,568	139	48,919	3	2,383	157	59,870
February	2	971	166	60,839	2	1,241	170	63,051
March	2	1,012	75	31,299	4	2,613	81	34,924
April	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0
June	0	0	0	0	0	0	0	0
July	0	0	0	0	0	0	0	0
August	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0
TOTAL	19	10,551	380	141,057	9	6,237	408	157,845