

Alberta Drilling Activity

Monthly Statistics

December 2022

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 2022

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 **Please see the cell comments for more information.



2022	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		Wells	Metres	Wells	Metres	Total Wells	Total Metres								
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	Total Wells	Total Metres								
January	2	10,462	77	408,839	79	419,301	0	0	0	0	5	10,588	392	1,104,228	397	1,114,816	1	654	219	487,259	220	487,913	31	12,746	10	18,091	41	30,837	39	34,450	698	2,018,417	737	2,052,867
February	3	8,781	92	499,451	95	508,232	0	0	0	0	7	18,257	374	1,113,350	381	1,131,607	3	1,729	218	497,854	221	499,583	39	19,471	25	45,682	64	65,153	52	48,238	709	2,156,337	761	2,204,574
March	1	4,207	76	402,832	77	407,039	0	0	0	0	6	23,486	378	1,058,111	384	1,081,596	17	15,456	298	688,699	315	704,155	26	22,732	21	45,183	47	67,914	50	65,880	773	2,194,823	823	2,260,703
April	4	13,595	71	405,087	75	418,682	0	0	0	0	1	1,006	154	492,652	155	493,658	0	0	187	408,362	187	408,362	5	4,437	13	27,194	18	31,631	10	19,038	425	1,333,295	435	1,352,333
May	6	19,129	47	265,958	53	285,087	0	0	0	0	3	6,093	146	451,752	149	457,845	5	2,800	146	316,322	151	319,122	7	6,919	20	36,478	27	43,397	21	34,941	359	1,070,510	380	1,105,451
June	4	9,510	64	348,554	68	358,064	0	0	0	0	5	7,572	241	671,839	246	679,411	9	7,670	206	450,460	215	458,130	3	984	7	13,733	10	14,717	21	25,735	518	1,484,586	539	1,510,321
July	1	2,416	74	410,942	75	413,358	0	0	0	0	4	8,461	328	889,558	332	898,019	6	5,307	304	660,415	310	665,722	8	10,873	17	40,513	25	51,386	19	27,057	723	2,001,427	742	2,028,484
August	7	24,501	79	426,946	86	451,447	0	0	0	0	6	19,938	338	950,170	344	970,108	2	1,306	383	864,783	385	866,088	6	10,677	20	43,669	26	54,346	21	56,422	820	2,285,568	841	2,341,989
September	5	12,808	82	441,688	87	454,496	0	0	0	0	5	14,936	316	945,801	321	960,737	2	1,413	395	890,437	397	891,850	2	1,448	31	56,880	33	58,328	14	30,604	824	2,334,807	838	2,365,411
October	10	25,621	79	434,463	89	460,083	0	0	0	0	13	15,696	335	958,853	348	974,549	5	3,252	465	1,059,775	470	1,063,026	5	7,056	37	68,699	42	75,755	33	51,625	916	2,521,789	949	2,573,414
November	10	16,226	72	393,146	82	409,372	0	0	0	0	11	22,024	279	867,997	290	890,020	10	5,559	426	975,387	436	980,946	5	3,013	35	63,404	40	66,417	36	46,821	812	2,299,934	848	2,346,755
December	17	28,684	65	364,730	82	393,414	0	0	0	0	3	3,668	226	642,538	229	646,206	12	7,115	261	615,449	273	622,564	3	1,808	12	24,914	15	26,722	35	41,275	564	1,647,631	599	1,688,906
TOTAL	70	175,939	878	4,802,635	948	4,978,574	0	0	0	0	69	151,724	3,507	10,146,848	3,576	10,298,571	72	52,260	3,508	7,915,200	3,580	7,967,459	140	102,163	248	484,440	388	586,603	351	482,085	8,141	23,349,122	8,492	23,831,208

2022	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		Wells	Metres	Wells	Metres	Total Wells	Total Metres									
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	Total Wells	Total Metres									
January	1	1,751	0	0	1	1,751	0	0	0	0	0	0	11	29,923	11	29,923	0	0	0	0	0	0	1	1,988	0	0	1	1,988	2	3,739	11	29,923	13	33,662	
February	0	0	0	0	0	0	0	0	0	0	6	11,026	1	5,900	7	16,926	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March	0	0	0	0	0	0	0	0	0	0	2	4,933	2	12,327	4	17,260	0	0	0	0	0	0	1	1,410	0	0	1	1,410	3	6,343	2	12,327	5	18,670	
April	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	3	6,033	2	7,644	5	13,677	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July	2	5,076	1	5,755	3	10,831	0	0	0	0	1	1,563	7	16,692	8	18,255	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August	0	0	2	6,602	2	6,602	0	0	0	0	0	0	10	34,423	10	34,423	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September	1	2,304	0	0	1	2,304	0	0	0	0	2	2,313	9	25,849	11	28,162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October	1	3,815	0	0	1	3,815	0	0	0	0	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	1	1,590	14	38,616	15	40,206	0	0	0	0	0	0	2	2,868	0	0	2	2,868	3	4,458	14	38,616	17	43,074	
December	0	0	0	0	0	0	0	0	0	0	1	529	5	11,668	6	12,197	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	5	12,946	3	12,357	8	25,303	0	0	0	0	16	27,987	61	183,042	77	211,029	0	0	0	0	0	0	4	6,266	0	0	4	6,266	25	47,198	64	195,399	89	242,597	
GRAND TOTAL	75	188,885	881	4,814,992	956	5,003,877	0	0	0	0	85	179,711	3,568	10,329,889	3,653	10,509,600	72	52,260	3,508	7,915,200	3,580	7,967,459	144	108,428	248	484,440	392	592,868	376	529,284	8,205	23,544,521	8,581	24,073,805	

Drilling Activity in Alberta - Oilsands Evaluation Wells

Year 2022

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

**Please see the cell comment for more information.

2022	OILSANDS EVALUATION WELLS						MONTHLY TOTAL	
	Cold Lake		Athabasca		Peace River		Wells	Metres
<i>Successful Wells</i>	Wells	Metres	Wells	Metres	Wells	Metres		
January	15	8,020	105	24,348	0	0	120	32,368
February	5	2,625	125	37,905	0	0	130	40,530
March	4	2,613	21	9,639	0	0	25	12,252
April	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0
June	1	482	0	0	0	0	1	482
July	0	0	0	0	0	0	0	0
August	0	0	0	0	1	690	1	690
September	0	0	0	0	0	0	0	0
October	0	0	0	0	1	517	1	517
November	0	0	0	0	0	0	0	0
December	4	1,995	0	0	0	0	4	1,995
TOTAL	29	15,734	251	71,892	2	1,207	282	88,834