

Alberta Drilling Activity

Monthly Statistics

September 2021

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 2021

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**Please see the cell comments for more information.



2021	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									
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						
January	4	11,790	83	413,962	87	425,752	0	0	0	0	0	0	3	4,230	175	517,482	178	521,712	14	9,325	183	409,054	197	418,379	14	7,413	8	17,909	22	25,322	35	32,758	449	1,358,407	484	1,391,164
February	1	2,768	82	426,339	83	429,107	0	0	0	0	0	0	4	5,693	197	592,534	201	598,227	7	4,087	147	329,380	154	333,467	13	7,574	10	18,125	23	25,699	25	20,122	436	1,366,378	461	1,386,500
March	3	8,540	61	323,744	64	332,284	0	0	0	0	0	0	5	7,420	133	407,936	138	415,356	0	0	131	276,372	131	276,372	8	3,686	14	24,837	22	28,523	16	19,646	339	1,032,889	355	1,052,535
April	3	10,112	34	179,129	37	189,241	0	0	0	0	0	0	0	0	59	200,817	59	200,817	0	0	59	118,402	59	118,402	0	0	5	10,133	5	10,133	3	10,112	157	508,481	160	518,593
May	0	0	33	183,678	33	183,678	0	0	0	0	0	0	1	890	61	178,542	62	179,432	0	0	59	125,088	59	125,088	1	450	18	36,127	19	36,577	2	1,340	171	523,435	173	524,775
June	1	6,007	43	235,072	44	241,079	0	0	0	0	0	0	6	12,435	173	471,412	179	483,847	6	3,637	88	194,696	94	198,333	19	5,887	20	42,130	39	48,017	32	27,966	324	943,309	356	971,276
July	3	10,178	57	298,933	60	309,111	0	0	0	0	0	0	6	9,516	265	710,662	271	720,178	14	8,421	177	392,633	191	401,054	16	6,704	12	23,847	28	30,551	39	34,819	511	1,426,074	550	1,460,894
August	0	0	68	347,263	68	347,263	0	0	0	0	0	0	5	8,293	272	761,491	277	769,784	11	7,122	207	463,774	218	470,896	3	2,380	21	50,871	24	53,251	19	17,795	568	1,623,399	587	1,641,194
September	3	7,207	71	367,712	74	374,919	0	0	0	0	0	0	6	8,122	246	675,253	252	683,375	16	9,515	206	437,089	222	446,604	3	1,890	30	66,877	33	68,767	28	26,734	553	1,546,932	581	1,573,666
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
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
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
TOTAL	18	56,602	532	2,775,832	550	2,832,434	0	0	0	0	0	0	36	56,599	1,581	4,516,128	1,617	4,572,727	68	42,107	1,257	2,746,488	1,325	2,788,594	77	35,984	138	290,856	215	326,840	199	191,293	3,508	10,329,303	3,707	10,520,596

2021	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										
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							
January	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		
February	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		
March	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		
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	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	0		
June	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		
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	1	756	0	0	1	756	0	0	0	0	0	0	0	0	0	1	1,554	1	1,554	1	756	1	1,554	2	2,310
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		
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		
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		
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		
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	1	756	0	0	1	756	0	0	0	0	0	0	0	0	1	1,554	1	1,554	1	756	1	1,554	2	2,310	
GRAND TOTAL	18	56,602	532	2,775,832	550	2,832,434	0	0	0	0	0	0	37	57,355	1,581	4,516,128	1,618	4,573,483	68	42,107	1,257	2,746,488	1,325	2,788,594	77	35,984	139	292,410	216	328,394	200	192,049	3,509	10,330,857	3,709	10,522,906	

Drilling Activity in Alberta - Oilsands Evaluation Wells

Year 2021

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

**Please see the cell comment for more information.

2021	OILSANDS EVALUATION WELLS						MONTHLY TOTAL	
	Cold Lake		Athabasca		Peace River		Wells	Metres
<i>Successful Wells</i>	Wells	Metres	Wells	Metres	Wells	Metres		
January	0	0	113	20,819	0	0	113	20,819
February	2	942	98	19,714	0	0	100	20,656
March	0	0	11	3,583	0	0	11	3,583
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	2	942	222	44,116	0	0	224	45,058