

Alberta Drilling Activity

Monthly Statistics

December 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		Vertical/Directional		Horizontal		Total		Vertical/Directional		Horizontal		Total		Vertical/Directional		Horizontal		Total		Vertical/Directional		Horizontal		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	Total Wells	Total 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	14	8,000	10	18,125	24	26,125	26	20,548	436	1,366,378	462	1,386,926
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	266	712,289	272	721,805	14	8,421	177	392,633	191	401,054	16	6,704	12	23,847	28	30,551	39	34,819	512	1,427,701	551	1,462,521
August	0	0	68	347,263	68	347,263	0	0	0	0	0	0	5	8,293	273	765,290	278	773,583	11	7,122	207	463,774	218	470,896	3	2,380	21	50,871	24	53,251	19	17,795	569	1,627,198	588	1,644,993
September	4	9,247	71	367,712	75	376,959	0	0	0	0	0	0	6	8,122	249	684,201	255	692,323	16	9,515	206	437,089	222	446,604	3	1,890	30	66,877	33	68,767	29	28,774	556	1,555,880	585	1,584,654
October	7	13,835	83	429,932	90	443,767	0	0	0	0	0	0	3	9,908	303	863,144	306	873,052	2	933	207	450,917	209	451,850	7	9,136	15	24,854	22	33,990	19	33,812	608	1,768,847	627	1,802,660
November	4	7,107	79	413,416	83	420,522	0	0	0	0	0	0	11	17,928	332	911,102	343	929,029	0	0	199	430,386	199	430,386	8	5,340	16	33,865	24	39,205	23	30,374	626	1,788,768	649	1,819,142
December	3	4,892	75	383,224	78	388,116	0	0	0	0	0	0	7	16,934	240	693,066	247	710,000	4	2,066	129	279,525	133	281,591	7	4,137	27	43,639	34	47,776	21	28,029	471	1,399,454	492	1,427,483
TOTAL	33	84,476	769	4,002,403	802	4,086,879	0	0	0	0	0	0	57	101,369	2,461	6,997,814	2,518	7,099,182	74	45,106	1,792	3,907,316	1,866	3,952,422	100	55,023	196	393,214	296	448,237	264	285,974	5,218	15,300,747	5,482	15,586,720

2021	EXPLORATORY WELLS																								MONTHLY TOTAL				TOTAL									
	NATURAL GAS						COALBED METHANE						CRUDE OIL						CRUDE BITUMEN												OTHER							
	Vertical/Directional		Horizontal		Total		Vertical/Directional		Horizontal		Total		Vertical/Directional		Horizontal		Total		Vertical/Directional		Horizontal		Total		Vertical/Directional		Horizontal		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	Total Wells	Total 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	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	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	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	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	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	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		
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	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	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		
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	2	3,029	2	3,029	0	0	2	3,029	2	3,029	
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	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	3	4,583	3	4,583	1	756	3	4,583	4	5,339		
GRAND TOTAL	33	84,476	769	4,002,403	802	4,086,879	0	0	0	0	0	0	58	102,125	2,461	6,997,814	2,519	7,099,938	74	45,106	1,792	3,907,316	1,866	3,952,422	100	55,023	199	397,797	299	452,820	265	286,730	5,221	15,305,330	5,486	15,592,059		

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	1	516	98	19,714	0	0	99	20,230
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	1	516	222	44,116	0	0	223	44,632