

Alberta Drilling Activity

Monthly Statistics

December 2020

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 2020

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**Please see the call comments for more information.



2020	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										
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	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres
January	6	16,978	81	438,415	87	455,393	0	0	0	0	0	0	9	11,492	201	637,905	210	649,396	3	2,104	107	232,849	110	234,953	52	25,783	6	9,437	58	35,219	70	56,356	395	1,318,605	465	1,374,961		
February	4	11,284	85	458,300	89	469,584	0	0	0	0	0	0	12	14,671	260	749,770	272	764,441	4	2,847	65	138,946	69	141,793	61	23,074	12	23,491	73	46,565	81	51,877	422	1,370,507	503	1,422,384		
March	1	5,438	61	324,617	62	330,055	0	0	0	0	0	0	3	5,159	114	275,750	117	280,909	2	1,795	33	67,138	35	68,933	31	15,357	12	20,367	43	35,724	37	27,749	220	687,872	257	715,621		
April	0	0	31	165,673	31	165,673	0	0	0	0	0	0	0	0	4	18,645	4	18,645	0	0	0	0	0	0	3	2,993	0	0	3	2,993	3	2,993	35	184,318	38	187,311		
May	0	0	24	134,391	24	134,391	0	0	0	0	0	0	0	0	1	5,030	1	5,030	0	0	9	17,761	9	17,761	4	1,737	0	0	4	1,737	4	1,737	34	157,182	38	158,919		
June	0	0	12	66,069	12	66,069	0	0	0	0	0	0	0	0	1	5,200	1	5,200	1	704	3	3,421	4	4,125	1	710	0	0	1	710	2	1,414	16	74,690	18	76,104		
July	3	6,280	28	143,366	31	149,646	0	0	0	0	0	0	0	0	1	4,008	1	4,008	1	719	5	8,996	6	9,715	1	173	7	12,380	8	12,553	5	7,172	41	168,750	46	175,922		
August	4	14,650	43	225,579	47	240,229	0	0	0	0	0	0	2	2,541	21	65,039	23	67,580	0	0	7	11,823	7	11,823	0	0	4	8,436	4	8,436	6	17,191	75	310,877	81	328,068		
September	1	3,693	35	181,683	36	185,376	0	0	0	0	0	0	0	0	49	141,664	49	141,664	2	1,339	20	33,815	22	35,154	2	166	0	0	2	166	5	5,198	104	357,162	109	362,360		
October	3	9,400	47	248,378	50	257,778	0	0	0	0	0	0	0	0	85	232,273	85	232,273	2	1,403	61	133,350	63	134,753	3	1,804	1	2,153	4	3,957	8	12,607	194	616,154	202	628,761		
November	3	8,369	52	280,990	55	289,359	0	0	0	0	0	0	2	10,714	65	214,351	67	225,065	2	977	106	230,757	108	231,734	4	1,375	7	13,232	11	14,607	11	21,435	230	739,330	241	760,766		
December	2	3,388	64	339,760	66	343,148	0	0	0	0	0	0	5	13,721	85	251,979	90	265,700	1	597	69	146,971	70	147,568	2	692	10	20,104	12	20,796	10	18,397	228	758,814	238	777,212		
TOTAL	27	79,480	563	3,007,221	590	3,066,701	0	0	0	0	0	0	33	58,298	887	2,601,613	920	2,659,911	18	12,486	485	1,025,827	503	1,038,313	164	73,864	59	109,600	223	183,463	242	224,127	1,994	6,744,261	2,236	6,968,388		

2020	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								
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	Wells	Metres	Wells	Metres		
January	0	0	1	5,089	1	5,089	0	0	0	0	0	0	0	0	37	92,365	37	92,365	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February	0	0	4	22,654	4	22,654	0	0	0	0	0	0	0	0	38	97,171	38	97,171	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March	0	0	2	9,848	2	9,848	0	0	0	0	0	0	0	0	17	47,144	17	47,144	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	2	6,147	2	6,147	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
November	0	0	1	4,958	1	4,958	0	0	0	0	0	0	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	0	0	8	42,549	8	42,549	0	0	0	0	0	0	0	0	94	242,827	94	242,827	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRAND TOTAL	27	79,480	571	3,049,770	598	3,129,250	0	0	0	0	0	0	33	58,298	981	2,844,440	1,014	2,902,737	18	12,486	485	1,025,827	503	1,038,313	164	73,864	59	109,600	223	183,463	242	224,127	2,096	7,029,636	2,338	7,253,763

Drilling Activity in Alberta - Oilsands Evaluation Wells

Year 2020

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

**Please see the cell comment for more information.

2020	OILSANDS EVALUATION WELLS						MONTHLY TOTAL	
	Cold Lake		Athabasca		Peace River			
<i>Successful Wells</i>	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres
January	8	4,230	89	34,854	0	0	97	39,085
February	5	2,451	102	63,387	0	0	107	65,838
March	3	1,405	39	30,158	0	0	42	31,563
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	16	8,086	230	128,400	0	0	246	136,485