

Alberta Drilling Activity

Monthly Statistics

December 2018

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 2018

*Monthly drilling data is subject to industry submitted amendments to the AER.
**Please see the cell comments for more information.



2018	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 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	Wells	Metres	Wells	Metres								
January	5	14,814	94	475,320	99	490,134	0	0	0	0	0	0	17	26,487	233	686,292	250	712,779	31	20,850	88	198,061	119	218,911	58	27,239	7	14,646	65	41,885	111	89,390	422	1,374,319	533	1,463,709
February	3	7,107	85	449,151	88	456,258	0	0	0	0	0	0	17	24,988	244	701,423	261	726,411	19	13,906	104	228,091	123	241,997	54	38,950	20	35,584	74	74,534	93	84,951	453	1,414,249	546	1,499,200
March	4	11,001	67	362,695	71	373,696	0	0	0	0	0	0	5	10,160	110	354,583	115	364,743	16	11,320	156	289,363	172	300,683	33	33,773	28	48,351	61	82,124	58	66,254	361	1,054,993	419	1,121,246
April	0	0	60	352,399	60	352,399	0	0	0	0	0	0	1	2,584	38	151,682	39	154,266	5	3,587	57	103,788	62	107,375	4	8,535	24	44,289	28	52,824	10	14,706	179	652,157	189	666,863
May	3	7,737	40	226,853	43	234,590	0	0	0	0	0	0	2	4,822	32	106,873	34	111,695	1	668	36	66,972	37	67,640	2	2,993	35	69,017	37	72,010	8	16,220	143	469,715	151	485,935
June	2	4,012	39	204,877	41	208,889	0	0	0	0	0	0	7	15,038	116	324,105	123	339,143	26	17,979	43	89,792	69	107,771	6	4,644	11	20,364	17	25,008	41	41,673	209	639,138	250	680,811
July	6	15,996	58	278,202	64	294,198	0	0	0	0	0	0	8	13,760	228	620,584	236	634,344	49	33,620	96	178,244	145	211,864	2	4,602	17	29,227	19	33,829	65	67,977	399	1,106,257	464	1,174,234
August	4	9,119	73	357,197	77	366,316	0	0	0	0	0	0	18	23,977	232	662,846	250	686,823	36	25,248	131	252,294	167	277,542	18	16,582	29	51,198	47	67,780	76	74,926	465	1,323,535	541	1,398,461
September	2	5,786	65	333,310	67	339,096	0	0	0	0	0	0	14	25,932	179	519,833	193	545,765	21	14,339	146	292,549	167	306,888	2	1,008	32	56,078	34	57,086	39	47,065	422	1,201,770	461	1,248,835
October	2	8,628	70	337,917	72	346,545	0	0	0	0	0	0	14	29,277	198	603,539	212	632,816	4	2,934	179	370,773	183	373,706	7	12,256	17	30,062	24	42,318	27	53,094	464	1,342,291	491	1,395,385
November	3	8,953	67	344,757	70	353,710	0	0	0	0	0	0	8	19,926	137	441,828	145	461,754	20	13,446	165	342,759	185	356,205	13	14,094	11	20,377	24	34,471	44	56,419	380	1,149,721	424	1,206,140
December	6	19,635	67	347,706	73	367,341	0	0	0	0	0	0	13	20,371	67	224,983	80	245,354	7	5,037	79	157,833	86	162,870	15	20,286	13	24,964	28	45,250	41	65,330	226	755,487	267	820,816
TOTAL	40	112,788	785	4,070,384	825	4,183,171	0	0	0	0	0	0	124	217,322	1,814	5,398,571	1,938	5,615,893	235	162,933	1,280	2,570,519	1,515	2,733,452	214	184,962	244	444,157	458	629,119	613	678,004	4,123	12,483,631	4,736	13,161,635

2018	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 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	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres					
January	0	0	10	52,722	10	52,722	0	0	0	0	0	0	12	25,754	24	73,898	36	99,651	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	25,754	34	126,620	46	152,373
February	3	8,377	9	50,751	12	59,128	0	0	0	0	0	0	9	19,926	20	59,192	29	79,118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	28,303	29	109,943	41	138,246
March	2	5,069	5	27,328	7	32,397	0	0	0	0	0	0	7	14,083	26	90,860	33	104,943	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	19,152	31	118,188	40	137,340
April	0	0	6	35,578	6	35,578	0	0	0	0	0	0	1	3,144	9	39,443	10	42,587	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3,144	15	75,021	16	78,165	
May	0	0	3	17,513	3	17,513	0	0	0	0	0	0	3	7,325	8	17,066	11	24,391	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7,325	11	34,579	14	41,904	
June	2	4,306	6	37,043	8	41,349	0	0	0	0	0	0	4	10,053	9	27,580	13	37,633	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	14,359	15	64,623	21	78,982	
July	1	3,360	13	66,758	14	70,118	0	0	0	0	0	0	10	19,021	20	68,994	30	88,015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	22,381	33	135,752	44	158,133	
August	4	13,285	6	30,850	10	44,135	0	0	0	0	0	0	1	2,630	32	96,934	33	99,564	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	15,915	38	127,784	43	143,699	
September	1	3,543	6	31,117	7	34,660	0	0	0	0	0	0	0	0	7	30,281	7	30,281	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3,543	13	61,398	14	64,941	
October	4	11,068	7	34,399	11	45,467	0	0	0	0	0	0	7	14,123	20	64,175	27	78,298	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	25,191	27	98,574	38	123,765	
November	2	5,664	11	54,292	13	59,956	0	0	0	0	0	0	6	13,187	10	44,119	16	57,306	0	0	0	0	0	0	0	2	1,127	0	0	2	1,127	0	0	10	19,978	21	98,411	31	118,389		
December	4	10,989	7	31,872	11	42,861	0	0	0	0	0	0	6	10,636	5	16,404	11	27,040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	21,625	12	48,276	22	69,901		
TOTAL	23	65,661	89	470,222	112	535,883	0	0	0	0	0	0	66	139,882	190	628,945	256	768,827	0	0	0	0	0	0	2	1,127	0	0	2	1,127	91	206,670	279	1,099,168	370	1,305,838					
GRAND TOTAL	63	178,449	874	4,540,606	937	4,719,055	0	0	0	0	0	0	190	357,204	2,004	6,027,517	2,194	6,384,720	235	162,933	1,280	2,570,519	1,515	2,733,452	216	186,089	244	444,157	460	630,246	704	884,674	4,402	13,582,799	5,106	14,467,473					

Drilling Activity in Alberta - Oilsands Evaluation Wells

Year 2018

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

**Please see the cell comment for more information.

2018	OILSANDS EVALUATION WELLS						MONTHLY TOTAL	
	Cold Lake		Athabasca		Peace River			
<i>Successful Wells</i>	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres
January	1	591	108	47,010	0	0	109	47,601
February	7	4,207	152	62,132	0	0	159	66,339
March	3	1,617	125	24,245	0	0	128	25,862
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	2	1,219	0	0	0	0	2	1,219
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	2	265	0	0	2	265
December	0	0	7	2,751	0	0	7	2,751
TOTAL	13	7,634	394	136,403	0	0	407	144,037