

# **Alberta Drilling Activity**

Monthly Statistics

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December 2016

## **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 2016

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



2016	DEVELOPMENT WELLS																										MONTHLY TOTAL				TOTAL					
	NATURAL GAS						COALBED METHANE						CRUDE OIL						CRUDE BITUMEN						OTHER											
	Successful Wells	Vertical/Directional		Horizontal		Total		Vertical/Directional		Horizontal		Total		Vertical/Directional		Horizontal		Total		Vertical/Directional		Horizontal		Total		Vertical/Directional		Horizontal		Total Wells	Total 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	5	16,427	71	343,720	76	360,147	0	0	0	0	0	0	8	11,030	55	172,740	63	183,770	7	3,985	68	129,300	75	133,285	79	33,569	16	27,663	95	61,232	99	65,011	210	673,423	309	738,434
February	2	8,446	76	363,548	78	371,994	0	0	0	0	0	0	4	5,062	39	125,321	43	130,383	0	0	43	84,814	43	84,814	105	54,515	26	42,037	131	96,552	111	68,024	184	615,719	295	683,742
March	1	914	50	239,893	51	240,806	0	0	0	0	0	0	1	1,705	8	29,634	9	31,339	0	0	49	103,672	49	103,672	8	5,736	10	15,441	18	21,177	10	8,355	117	388,640	127	396,994
April	0	0	32	156,671	32	156,671	0	0	0	0	0	0	1	2,340	6	14,919	7	17,259	1	410	16	29,090	17	29,500	4	713	3	4,342	7	5,055	6	3,463	57	205,022	63	208,485
May	1	2,494	22	112,300	23	114,794	0	0	0	0	0	0	1	2,600	14	45,001	15	47,601	0	0	7	13,773	7	13,773	1	209	5	10,249	6	10,458	3	5,303	48	181,323	51	186,626
June	4	10,538	31	146,215	35	156,753	0	0	0	0	0	0	1	2,473	23	60,338	24	62,811	1	540	7	14,349	8	14,889	4	2,833	6	9,946	10	12,779	10	16,384	67	230,848	77	247,232
July	1	2,950	41	208,289	42	211,239	0	0	0	0	0	0	2	3,398	52	141,091	54	144,489	27	15,232	15	27,918	42	43,150	2	3,204	11	21,750	13	24,954	32	24,784	119	399,048	151	423,832
August	6	13,350	60	284,195	66	297,545	0	0	0	0	0	0	12	15,892	61	189,281	73	205,173	28	18,237	24	48,633	52	66,870	12	9,602	16	30,674	28	40,276	58	57,081	161	552,783	219	609,864
September	5	11,940	58	274,919	63	286,859	0	0	0	0	0	0	19	24,904	58	165,482	77	190,386	26	16,640	37	72,285	63	88,925	11	1,517	12	22,988	23	24,505	61	55,001	165	535,674	226	590,675
October	1	363	90	426,212	91	426,575	0	0	0	0	0	0	22	31,945	112	288,530	134	320,475	19	11,246	57	106,411	76	117,657	6	3,974	3	5,743	9	9,717	48	47,528	262	826,896	310	874,424
November	3	9,011	75	349,923	78	358,934	0	0	0	0	0	0	22	27,335	107	275,970	129	303,305	24	16,937	78	140,512	102	157,449	1	938	8	13,729	9	14,667	50	54,221	268	780,134	318	834,355
December	4	11,092	79	376,076	83	387,167	0	0	0	0	0	0	10	15,392	109	305,876	119	321,268	31	23,477	45	102,525	76	126,002	18	16,554	14	21,047	32	37,601	63	66,514	247	805,524	310	872,037
<b>TOTAL</b>	<b>33</b>	<b>87,525</b>	<b>685</b>	<b>3,281,960</b>	<b>718</b>	<b>3,369,485</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>103</b>	<b>144,077</b>	<b>644</b>	<b>1,814,182</b>	<b>747</b>	<b>1,958,259</b>	<b>164</b>	<b>106,704</b>	<b>446</b>	<b>873,281</b>	<b>610</b>	<b>979,985</b>	<b>251</b>	<b>133,363</b>	<b>130</b>	<b>225,609</b>	<b>381</b>	<b>358,971</b>	<b>551</b>	<b>471,668</b>	<b>1,905</b>	<b>6,195,033</b>	<b>2,456</b>	<b>6,666,700</b>

2016	EXPLORATORY WELLS																										MONTHLY TOTAL				TOTAL							
	NATURAL GAS						COALBED METHANE						CRUDE OIL						CRUDE BITUMEN						OTHER													
	Successful Wells	Vertical/Directional		Horizontal		Total		Vertical/Directional		Horizontal		Total		Vertical/Directional		Horizontal		Total		Vertical/Directional		Horizontal		Total		Vertical/Directional		Horizontal		Total Wells	Total 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	4	12,172	9	45,156	13	57,328	0	0	0	0	0	0	3	4,100	2	7,235	5	11,335	0	0	0	0	0	0	0	0	0	0	0	0	7	16,272	11	52,391	18	68,663		
February	3	8,362	5	25,309	8	33,671	0	0	0	0	0	0	10	15,314	4	9,023	14	24,337	0	0	0	0	0	0	0	0	0	0	0	0	13	23,676	9	34,332	22	58,008		
March	2	6,577	5	28,496	7	35,073	0	0	0	0	0	0	2	4,464	1	3,300	3	7,764	0	0	0	0	0	0	0	0	0	0	0	4	11,041	6	31,796	10	42,837			
April	0	0	4	21,830	4	21,830	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	21,830	4	21,830		
May	2	4,541	3	16,865	5	21,406	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4,541	3	16,865	5	21,406				
June	0	0	4	22,058	4	22,058	0	0	0	0	0	0	5	9,552	0	0	5	9,552	0	0	0	0	0	0	0	0	0	0	0	5	9,552	4	22,058	9	31,610			
July	0	0	4	23,047	4	23,047	0	0	0	0	0	0	5	9,159	5	17,878	10	27,037	0	0	0	0	0	0	0	0	0	0	0	5	9,159	9	40,924	14	50,083			
August	0	0	7	34,682	7	34,682	0	0	0	0	0	0	2	3,052	4	15,092	6	18,144	0	0	0	0	0	0	0	0	0	0	0	2	3,052	11	49,774	13	52,826			
September	2	6,298	6	30,796	8	37,094	0	0	0	0	0	0	9	13,257	5	17,008	14	30,265	0	0	0	0	0	0	0	0	0	0	0	11	19,555	11	47,804	22	67,359			
October	3	8,281	4	20,553	7	28,834	0	0	0	0	0	0	2	2,887	7	18,507	9	21,394	0	0	0	0	0	0	0	0	0	0	0	5	11,168	11	39,060	16	50,228			
November	3	8,433	5	22,940	8	31,373	0	0	0	0	0	0	2	3,759	10	30,867	12	34,626	0	0	0	0	0	0	0	0	0	0	0	5	12,192	15	53,807	20	65,999			
December	4	11,988	14	69,836	18	81,824	0	0	0	0	0	0	4	9,363	7	25,661	11	35,024	0	0	0	0	0	0	0	0	0	0	8	21,351	21	95,497	29	116,848				
<b>TOTAL</b>	<b>23</b>	<b>66,652</b>	<b>70</b>	<b>361,568</b>	<b>93</b>	<b>428,219</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>44</b>	<b>74,907</b>	<b>45</b>	<b>144,571</b>	<b>89</b>	<b>219,477</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>67</b>	<b>141,559</b>	<b>115</b>	<b>506,138</b>	<b>182</b>	<b>647,697</b>

<b>GRAND TOTAL</b>	<b>56</b>	<b>154,176</b>	<b>755</b>	<b>3,643,528</b>	<b>811</b>	<b>3,797,704</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>147</b>	<b>218,983</b>	<b>689</b>	<b>1,958,753</b>	<b>836</b>	<b>2,177,736</b>	<b>164</b>	<b>106,704</b>	<b>446</b>	<b>873,281</b>	<b>610</b>	<b>979,985</b>	<b>251</b>	<b>133,363</b>	<b>130</b>	<b>225,609</b>	<b>381</b>	<b>358,971</b>	<b>618</b>	<b>613,226</b>	<b>2,020</b>	<b>6,701,171</b>	<b>2,638</b>	<b>7,314,397</b>
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# Drilling Activity in Alberta - Oilsands Evaluation Wells

Year 2016

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

\*\*Please see the cell comment for more information.

2016	OILSANDS EVALUATION WELLS						MONTHLY TOTAL	
	Cold Lake		Athabasca		Peace River			
<i>Successful Wells</i>	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres
January	0	0	182	65,216	2	1,126	184	66,342
February	2	999	176	71,219	6	4,018	184	76,235
March	0	0	6	3,279	0	0	6	3,279
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	13	6,773	0	0	13	6,773
<b>TOTAL</b>	<b>2</b>	<b>999</b>	<b>377</b>	<b>146,487</b>	<b>8</b>	<b>5,143</b>	<b>387</b>	<b>152,629</b>