

# Alberta Drilling Activity

## Monthly Statistics

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December 2019

## **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 2019

\*Monthly drilling data is subject to industry submitted amendments to the AER.

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



2019	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	5	13,838	73	358,829	78	372,667	0	0	0	0	0	0	12	16,527	129	418,982	141	435,509	1	349	60	132,867	61	133,216	45	27,056	7	13,778	52	40,834	63	57,770	269	924,456	332	982,226
February	2	4,830	70	339,476	72	344,306	0	0	0	0	0	0	10	10,438	124	407,784	134	418,222	1	575	70	143,091	71	143,666	49	19,209	9	15,673	58	34,882	62	35,052	273	906,024	335	941,076
March	4	6,687	59	291,618	63	298,304	0	0	0	0	0	0	4	5,740	92	284,029	96	289,769	7	4,057	90	170,063	97	174,120	24	12,248	15	29,341	39	41,589	39	28,731	256	775,051	295	803,782
April	1	600	42	237,383	43	237,983	0	0	0	0	0	0	3	5,732	27	94,765	30	100,497	0	0	68	108,675	68	108,675	1	4,800	11	15,748	12	20,548	5	11,132	148	456,570	153	467,702
May	0	0	41	232,801	41	232,801	0	0	0	0	0	0	5	5,971	56	140,941	61	146,912	0	0	39	66,612	39	66,612	13	17,160	19	30,422	32	47,582	18	23,131	155	470,776	173	493,906
June	0	0	37	195,891	37	195,891	0	0	0	0	0	0	6	6,752	119	335,445	125	342,197	2	1,660	75	147,030	77	148,690	3	3,934	28	49,931	31	53,865	11	12,346	259	728,297	270	740,643
July	2	5,044	29	143,027	31	148,071	0	0	0	0	0	0	0	0	194	505,142	194	505,142	6	3,977	72	139,349	78	143,326	7	6,235	14	23,989	21	30,224	15	15,256	309	811,507	324	826,763
August	2	6,098	45	237,078	47	243,176	0	0	0	0	0	0	7	6,477	178	496,882	185	503,359	5	3,263	109	236,287	114	239,550	10	11,099	11	25,461	21	36,560	24	26,936	343	995,708	367	1,022,644
September	1	1,498	40	213,407	41	214,905	0	0	0	0	0	0	13	13,350	122	381,512	135	394,862	1	625	149	326,163	150	326,788	12	7,168	4	9,112	16	16,280	27	22,641	315	930,194	342	952,834
October	5	16,642	50	255,940	55	272,582	0	0	0	0	0	0	1	620	144	442,659	145	443,279	3	2,979	140	310,964	143	313,943	10	18,025	15	29,981	25	48,006	19	38,266	349	1,039,544	368	1,077,810
November	1	2,567	49	247,488	50	250,055	0	0	0	0	0	0	6	9,227	134	403,142	140	412,369	2	1,420	105	247,906	107	249,326	6	5,658	14	22,919	20	28,577	15	18,872	302	921,454	317	940,325
December	2	6,532	60	311,443	62	317,975	0	0	0	0	0	0	8	10,335	92	308,556	100	318,891	6	4,666	58	136,176	64	140,842	8	9,717	4	10,219	12	19,936	24	31,250	214	766,394	238	797,644
<b>TOTAL</b>	<b>25</b>	<b>64,335</b>	<b>595</b>	<b>3,064,380</b>	<b>620</b>	<b>3,128,716</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>75</b>	<b>91,170</b>	<b>1,411</b>	<b>4,219,839</b>	<b>1,486</b>	<b>4,311,008</b>	<b>34</b>	<b>23,570</b>	<b>1,035</b>	<b>2,165,182</b>	<b>1,069</b>	<b>2,188,752</b>	<b>188</b>	<b>142,306</b>	<b>151</b>	<b>276,574</b>	<b>339</b>	<b>418,879</b>	<b>322</b>	<b>321,381</b>	<b>3,192</b>	<b>9,725,974</b>	<b>3,514</b>	<b>10,047,355</b>

2019	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	1	3,093	10	55,421	11	58,514	0	0	0	0	0	0	8	16,866	27	84,918	35	101,784	0	0	0	0	0	0	0	0	0	0	0	0	9	19,959	37	140,339	46	160,298
February	0	0	13	77,990	13	77,990	0	0	0	0	0	0	9	12,186	21	69,292	30	81,478	0	0	0	0	0	0	0	0	0	0	0	0	9	12,186	34	147,282	43	159,468
March	0	0	4	23,864	4	23,864	0	0	0	0	0	0	4	9,219	24	90,340	28	99,559	0	0	0	0	0	0	0	0	0	0	0	0	4	9,219	28	114,204	32	123,423
April	0	0	2	9,942	2	9,942	0	0	0	0	0	0	0	0	2	9,993	2	9,993	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	19,935	4	19,935
May	0	0	1	6,400	1	6,400	0	0	0	0	0	0	0	0	2	10,099	2	10,099	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	16,499	3	16,499
June	0	0	3	16,121	3	16,121	0	0	0	0	0	0	5	7,644	2	11,301	7	18,945	0	0	0	0	0	0	0	0	0	0	0	0	5	7,644	5	27,422	10	35,066
July	1	3,384	5	29,047	6	32,431	0	0	0	0	0	0	2	4,244	10	32,374	12	36,618	0	0	0	0	0	0	0	0	0	0	0	0	3	7,628	15	61,421	18	69,049
August	0	0	4	21,142	4	21,142	0	0	0	0	0	0	5	10,690	18	60,654	23	71,344	0	0	0	0	0	0	0	0	0	0	0	0	5	10,690	22	81,796	27	92,486
September	2	6,385	4	18,044	6	24,429	0	0	0	0	0	0	6	11,668	17	62,432	23	74,100	0	0	0	0	0	0	0	0	0	0	0	0	8	18,053	21	80,476	29	98,529
October	0	0	4	20,937	4	20,937	0	0	0	0	0	0	4	8,026	39	113,586	43	121,612	0	0	0	0	0	0	0	0	0	0	0	0	4	8,026	43	134,523	47	142,549
November	0	0	5	29,890	5	29,890	0	0	0	0	0	0	3	6,632	35	93,446	38	100,078	0	0	0	0	0	0	0	0	0	0	0	0	3	6,632	40	123,336	43	129,968
December	3	7,477	5	26,826	8	34,303	0	0	0	0	0	0	1	2,317	25	72,090	26	74,407	0	0	0	0	0	0	0	0	0	0	0	0	4	9,794	30	98,916	34	108,710
<b>TOTAL</b>	<b>7</b>	<b>20,339</b>	<b>60</b>	<b>335,624</b>	<b>67</b>	<b>355,963</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>47</b>	<b>89,492</b>	<b>222</b>	<b>710,525</b>	<b>269</b>	<b>800,017</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>54</b>	<b>109,831</b>	<b>282</b>	<b>1,046,148</b>	<b>336</b>	<b>1,155,979</b>	

<b>GRAND TOTAL</b>	<b>32</b>	<b>84,674</b>	<b>655</b>	<b>3,400,004</b>	<b>687</b>	<b>3,484,678</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>122</b>	<b>180,662</b>	<b>1,633</b>	<b>4,930,363</b>	<b>1,755</b>	<b>5,111,025</b>	<b>34</b>	<b>23,570</b>	<b>1,035</b>	<b>2,165,182</b>	<b>1,069</b>	<b>2,188,752</b>	<b>188</b>	<b>142,306</b>	<b>151</b>	<b>276,574</b>	<b>339</b>	<b>418,879</b>	<b>376</b>	<b>431,212</b>	<b>3,474</b>	<b>10,772,122</b>	<b>3,850</b>	<b>11,203,334</b>
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# Drilling Activity in Alberta - Oilsands Evaluation Wells

Year 2019

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

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

2019	OILSANDS EVALUATION WELLS						MONTHLY TOTAL	
	Cold Lake		Athabasca		Peace River			
<i>Successful Wells</i>	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres
January	2	1,201	163	50,501	0	0	165	51,702
February	3	1,542	288	71,251	3	1,884	294	74,676
March	1	483	138	24,287	1	488	140	25,258
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	3	1,538	12	5,028	0	0	15	6,566
<b>TOTAL</b>	<b>9</b>	<b>4,764</b>	<b>601</b>	<b>151,068</b>	<b>4</b>	<b>2,372</b>	<b>614</b>	<b>158,203</b>