

Alberta Drilling Activity

Monthly Statistics

December 2014

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 2014

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



2014	DEVELOPMENT WELLS																								MONTHLY TOTAL				TOTAL							
	NATURAL GAS						COALBED METHANE						CRUDE OIL						CRUDE BITUMEN						OTHER						Vertical/Directional		Horizontal		Total	Total
	Vertical/Directional		Horizontal		Total		Vertical/Directional		Horizontal		Total		Vertical/Directional		Horizontal		Total		Vertical/Directional		Horizontal		Total		Vertical/Directional		Horizontal		Total	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	Wells	Metres	Total	Total				
January	52	66,658	87	363,561	139	430,219	0	0	0	0	0	0	36	49,875	299	845,328	335	895,203	98	59,715	86	164,174	184	223,889	120	47,063	47	78,673	167	125,736	306	223,311	519	1,451,736	825	1,675,047
February	46	64,138	92	386,132	138	450,269	2	1,862	0	0	2	1,862	43	46,809	297	849,007	340	895,816	101	58,574	92	172,162	193	230,736	116	54,132	25	39,430	141	93,561	308	225,514	506	1,446,730	814	1,672,244
March	14	33,659	104	444,865	118	478,524	3	2,910	0	0	3	2,910	38	38,155	224	669,348	262	707,503	111	64,764	119	213,652	230	278,416	60	35,012	23	37,055	83	72,067	226	174,501	470	1,364,919	696	1,539,421
April	1	4,138	61	263,898	62	268,036	0	0	0	0	0	0	6	5,339	88	288,347	94	293,686	54	35,715	89	162,907	143	198,623	17	16,029	64	99,792	81	115,821	78	61,221	302	814,943	380	876,165
May	2	4,208	52	227,634	54	231,842	0	0	0	0	0	0	6	5,614	58	174,840	64	180,454	21	14,690	137	253,457	158	268,147	6	3,635	19	29,952	25	33,586	35	28,147	266	685,882	301	714,029
June	3	6,910	64	277,376	67	284,286	0	0	0	0	0	0	25	31,207	126	332,653	151	363,859	21	14,455	86	154,506	107	168,961	5	4,440	53	84,616	58	89,056	54	57,012	329	849,150	383	906,162
July	10	24,623	92	386,046	102	410,668	0	0	0	0	0	0	34	43,742	210	562,741	244	606,483	46	32,638	104	187,015	150	219,653	8	11,502	56	88,290	64	99,792	98	112,504	462	1,224,092	560	1,336,596
August	44	67,564	126	504,999	170	572,563	9	7,093	0	0	9	7,093	18	24,772	222	628,857	240	653,629	78	50,903	83	158,558	161	209,461	10	13,790	40	63,489	50	77,279	159	164,122	471	1,355,903	630	1,520,024
September	48	60,784	111	470,743	159	531,527	6	4,311	0	0	6	4,311	44	41,727	178	511,770	222	553,497	86	53,174	87	160,237	173	213,411	13	12,505	37	60,055	50	72,560	197	172,501	413	1,202,804	610	1,375,305
October	83	100,101	116	502,213	199	602,313	16	11,071	0	0	16	11,071	30	31,816	206	613,690	236	645,506	111	74,650	63	118,324	174	192,973	16	15,721	31	52,902	47	68,623	256	233,359	416	1,287,128	672	1,520,487
November	51	66,609	113	479,586	164	546,195	0	0	0	0	0	0	29	32,180	177	539,820	206	571,999	123	81,394	95	184,732	218	266,125	11	16,455	22	34,642	33	51,097	214	196,637	407	1,238,779	621	1,435,416
December	49	54,433	108	477,346	157	531,779	0	0	0	0	0	0	16	20,989	118	355,710	134	376,699	95	60,976	47	87,854	142	148,829	27	19,941	12	20,773	39	40,714	187	156,338	285	941,682	472	1,098,020
TOTAL	403	553,824	1,126	4,784,396	1,529	5,338,220	36	27,246	0	0	36	27,246	325	372,223	2,203	6,372,110	2,528	6,744,334	945	601,648	1,088	2,017,577	2,033	2,619,225	409	250,224	429	689,667	838	939,891	2,118	1,805,166	4,846	13,863,750	6,964	15,668,916

2014	EXPLORATORY WELLS																								MONTHLY TOTAL				TOTAL							
	NATURAL GAS						COALBED METHANE						CRUDE OIL						CRUDE BITUMEN						OTHER						Vertical/Directional		Horizontal		Total	Total
	Vertical/Directional		Horizontal		Total		Vertical/Directional		Horizontal		Total		Vertical/Directional		Horizontal		Total		Vertical/Directional		Horizontal		Total		Vertical/Directional		Horizontal		Total	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	Wells	Metres	Total	Total				
January	16	53,208	20	98,593	36	151,801	0	0	0	0	0	0	16	25,328	19	56,837	35	82,165	0	0	0	0	0	0	0	0	0	0	0	0	32	78,536	39	155,430	71	233,966
February	8	24,452	13	65,210	21	89,662	0	0	0	0	0	0	10	13,943	13	40,060	23	54,003	0	0	0	0	0	0	1	167	0	0	1	167	19	38,563	26	105,270	45	143,832
March	14	44,752	15	78,751	29	123,503	0	0	0	0	0	0	22	35,540	17	54,651	39	90,191	2	605	0	0	2	605	0	0	0	0	0	0	38	80,897	32	133,402	70	214,299
April	5	17,574	27	132,372	32	149,946	0	0	0	0	0	0	1	1,210	3	8,906	4	10,116	0	0	0	0	0	0	0	0	0	0	0	6	18,784	30	141,278	36	160,062	
May	1	1,213	10	50,430	11	51,643	0	0	0	0	0	0	5	8,830	3	9,335	8	18,165	0	0	0	0	0	0	0	0	0	0	0	6	10,043	13	59,765	19	69,808	
June	8	27,164	8	41,124	16	68,288	0	0	0	0	0	0	7	11,085	9	24,343	16	35,428	0	0	0	0	0	0	0	0	0	0	0	15	38,249	17	65,467	32	103,716	
July	7	22,875	19	92,775	26	115,650	0	0	0	0	0	0	14	21,420	15	44,415	29	65,835	0	0	0	0	0	0	0	0	0	0	0	21	44,295	34	137,190	55	181,485	
August	13	41,754	10	45,528	23	87,282	0	0	0	0	0	0	17	27,358	13	38,154	30	65,512	1	888	0	0	1	888	0	0	0	0	0	0	31	70,000	23	83,682	54	153,682
September	8	25,655	16	79,498	24	105,153	0	0	0	0	0	0	8	8,880	12	30,936	20	39,816	0	0	0	0	0	0	0	0	0	0	0	16	34,535	28	110,434	44	144,969	
October	8	30,165	15	68,043	23	98,208	0	0	0	0	0	0	13	24,337	11	31,809	24	56,146	0	0	0	0	0	0	0	0	0	0	0	21	54,502	26	99,852	47	154,354	
November	12	38,176	16	75,126	28	113,302	0	0	0	0	0	0	12	15,794	15	43,894	27	59,688	0	0	0	0	0	0	0	0	0	0	0	24	53,969	31	119,020	55	172,990	
December	13	41,141	13	57,819	26	98,960	0	0	0	0	0	0	12	19,489	13	45,305	25	64,794	0	0	0	0	0	0	0	0	0	0	0	25	60,630	26	103,124	51	163,754	
TOTAL	113	368,129	182	885,268	295	1,253,397	0	0	0	0	0	0	137	213,214	143	428,644	280	641,858	3	1,493	0	0	3	1,493	1	167	0	0	1	167	254	583,003	325	1,313,912	579	1,896,915
GRAND TOTAL	516	921,953	1,308	5,669,664	1,824	6,591,617	36	27,246	0	0	36	27,246	462	585,437	2,346	6,800,754	2,808	7,386,191	948	603,141	1,088	2,017,577	2,036	2,620,718	410	250,391	429	689,667	839	940,058	2,372	2,388,169	5,171	15,177,662	7,543	17,565,831

Drilling Activity in Alberta - Oilsands Evaluation Wells

Year 2014

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

**Please see the cell comment for more information.

2014	OILSANDS EVALUATION WELLS						MONTHLY TOTAL	
	Cold Lake		Athabasca		Peace River			
<i>Successful Wells</i>	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres
January	15	8,983	524	167,712	22	14,484	561	191,178
February	34	17,909	708	201,609	17	12,432	759	231,950
March	41	21,277	215	80,677	12	8,232	268	110,186
April	0	0	0	0	0	0	0	0
May	0	0	8	806	0	0	8	806
June	0	0	9	1,434	0	0	9	1,434
July	1	483	11	2,023	0	0	12	2,506
August	3	1,431	5	1,419	2	1,403	10	4,253
September	0	0	1	271	0	0	1	271
October	1	525	0	0	0	0	1	525
November	0	0	2	141	0	0	2	141
December	0	0	55	24,202	0	0	55	24,202
TOTAL	95	50,608	1,538	480,293	53	36,551	1,686	567,452