

Alberta Drilling Activity

Monthly Statistics

December 2015

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 2015

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

**Please see the cell comments for more information.



2015	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											
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										
January	59	78,571	107	475,650	166	554,221	0	0	0	0	0	0	5	7,787	126	398,075	131	405,862	40	25,351	67	122,140	107	147,491	116	50,595	12	16,736	128	67,331	220	162,305	312	1,012,601	532	1,174,906
February	38	54,495	101	474,095	139	528,590	0	0	0	0	0	0	1	2,045	71	228,279	72	230,324	2	1,063	38	63,065	40	64,128	61	32,850	30	48,384	91	81,234	102	90,453	240	813,823	342	904,275
March	8	17,998	61	290,881	69	308,879	0	0	0	0	0	0	2	1,898	21	66,113	23	68,011	17	11,580	41	69,958	58	81,538	16	11,239	23	40,996	39	52,235	43	42,715	146	467,948	189	510,663
April	0	0	37	174,276	37	174,276	0	0	0	0	0	0	0	0	4	14,587	4	14,587	1	398	34	74,403	35	74,801	1	1,262	27	41,044	28	42,306	2	1,660	102	304,310	104	305,970
May	1	2,879	38	180,683	39	183,562	0	0	0	0	0	0	0	0	29	69,187	29	69,187	1	661	32	54,586	33	55,247	5	9,244	16	25,443	21	34,687	7	12,784	115	329,899	122	342,683
June	1	2,861	39	184,635	40	187,496	0	0	0	0	0	0	4	5,085	66	171,028	70	176,113	11	6,143	55	98,902	66	105,045	11	6,691	11	14,510	22	21,201	27	20,780	171	469,075	198	489,855
July	28	37,538	58	271,038	86	308,576	0	0	0	0	0	0	3	3,248	96	263,047	99	266,295	44	28,491	67	134,685	111	163,176	6	7,813	22	32,083	28	39,896	81	77,090	243	700,854	324	777,944
August	15	24,367	83	382,693	98	407,060	0	0	0	0	0	0	10	9,174	95	262,908	105	272,082	68	42,281	89	175,684	157	217,965	6	9,800	7	11,097	13	20,897	99	85,622	274	832,381	373	918,003
September	3	9,846	79	369,635	82	379,481	0	0	0	0	0	0	5	5,328	66	200,174	71	205,501	19	13,164	54	102,213	73	115,377	13	5,850	28	44,320	41	50,170	40	34,187	227	716,341	267	750,529
October	3	9,261	74	343,930	77	353,191	0	0	0	0	0	0	5	7,910	75	211,251	80	219,162	34	23,365	47	99,473	81	122,838	8	5,725	22	36,872	30	42,597	50	46,261	218	691,526	268	737,788
November	3	7,164	75	347,800	78	354,964	0	0	0	0	0	0	12	12,959	64	182,364	76	195,322	13	7,348	57	115,458	70	122,806	14	5,955	1	1,576	15	7,531	42	33,426	197	647,198	239	680,624
December	1	3,429	71	358,376	72	361,805	0	0	0	0	0	0	10	10,670	33	109,692	43	120,362	5	3,570	45	87,502	50	91,072	8	4,277	3	6,773	11	11,050	24	21,946	152	562,343	176	584,289
TOTAL	160	248,409	823	3,853,692	983	4,102,101	0	0	0	0	0	0	57	66,104	746	2,176,705	803	2,242,808	255	163,416	626	1,198,068	881	1,361,484	265	151,300	202	319,835	467	471,134	737	629,228	2,397	7,548,299	3,134	8,177,528

2015	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															
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								
January	8	26,077	31	141,784	39	167,861	0	0	0	0	0	0	6	10,371	10	38,027	16	48,398	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	36,448	41	179,811	55	216,258
February	6	19,277	14	63,112	20	82,389	0	0	0	0	0	0	6	9,737	5	15,935	11	25,672	0	0	0	0	0	0	0	2	894	1	349	3	1,243	14	29,908	20	79,396	34	109,304			
March	5	15,390	15	71,419	20	86,809	0	0	0	0	0	0	3	5,276	4	9,203	7	14,479	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	20,666	19	80,621	27	101,287	
April	2	6,910	7	36,976	9	43,886	0	0	0	0	0	0	2	6,139	0	0	2	6,139	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	13,049	7	36,976	11	50,025	
May	0	0	7	36,487	7	36,487	0	0	0	0	0	0	0	0	1	2,624	1	2,624	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	39,111	8	39,111	
June	0	0	6	32,092	6	32,092	0	0	0	0	0	0	3	5,397	0	0	3	5,397	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5,397	6	32,092	9	37,489	
July	2	6,730	5	24,765	7	31,495	0	0	0	0	0	0	3	5,106	5	17,118	8	22,224	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	11,836	10	41,883	15	53,719	
August	6	17,480	5	23,842	11	41,322	0	0	0	0	0	0	4	4,515	10	27,409	14	31,924	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	21,995	15	51,251	25	73,246
September	3	9,639	11	47,734	14	57,373	0	0	0	0	0	0	0	0	1	4,081	1	4,081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9,639	12	51,815	15	61,454	
October	1	2,587	10	47,617	11	50,204	0	0	0	0	0	0	6	11,885	7	16,887	13	28,772	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	14,472	17	64,504	24	78,975	
November	1	3,777	12	60,313	13	64,090	0	0	0	0	0	0	8	14,632	16	44,286	24	58,918	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	18,409	28	104,599	37	123,008	
December	1	3,550	4	20,175	5	23,725	0	0	0	0	0	0	7	9,315	2	3,147	9	12,462	0	0	2	4,915	2	4,915	1	208	0	0	1	208	9	13,073	8	28,237	17	41,310				
TOTAL	35	111,416	127	606,315	162	717,732	0	0	0	0	0	0	48	82,373	61	178,716	109	261,089	0	0	2	4,915	2	4,915	3	1,102	1	349	4	1,451	86	194,891	191	790,295	277	985,186				

GRAND TOTAL	195	359,826	950	4,460,007	1,145	4,819,833	0	0	0	0	0	0	105	148,476	807	2,355,421	912	2,503,897	255	163,416	628	1,202,983	883	1,366,399	268	152,401	203	320,184	471	472,585	823	824,119	2,588	8,338,595	3,411	9,162,714
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Drilling Activity in Alberta - Oilsands Evaluation Wells

Year 2015

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

**Please see the cell comment for more information.

2015	OILSANDS EVALUATION WELLS						MONTHLY TOTAL	
	Cold Lake		Athabasca		Peace River			
<i>Successful Wells</i>	Wells	Metres	Wells	Metres	Wells	Metres	Wells	Metres
January	21	10,056	201	73,532	0	0	222	83,588
February	26	12,217	319	115,196	5	3,316	350	130,730
March	9	4,552	68	31,783	3	1,948	80	38,284
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	22	9,867	15	7,551	0	0	37	17,418
TOTAL	78	36,693	603	228,062	8	5,264	689	270,019