

**NORTH DAKOTA CUMULATIVE OIL PRODUCTION  
BY FORMATION THROUGH DECEMBER 2017**

<b>FORMATION</b>	<b>CUMULATIVE OIL</b>	<b>PERCENT</b>	<b>WELLS</b>
BAKKEN	2,301,243,946	55.37	12,579
BAKKEN/THREE FORKS	14,044,885	0.34	59
BIRDBEAR	21,140,685	0.51	175
CAMBRO/ORDOVICIAN	449,572	0.01	5
DAWSON BAY	4,147,336	0.10	14
DEADWOOD	1,008	0.00	2
DEVONIAN	103,164,500	2.48	144
DUPEROW	53,142,324	1.28	351
GUNTON	273,476	0.01	11
HEATH	67,230,777	1.62	198
INTERLAKE	8,568	0.00	1
LODGEPOLE	61,910,351	1.49	52
LODGEPOLE/BAKKEN	5,883	0.00	1
MADISON	964,413,182	23.20	5,620
MIDALE/NESSON	3,287,165	0.08	48
MISSION CANYON	22,179	0.00	1
ORDOVICIAN	34,292,878	0.83	123
RATCLIFFE	242,149	0.01	4
RED RIVER	115,845,628	2.79	748
RED RIVER B	174,622,965	4.20	560
RED RIVER C	11,829	0.00	1
SANISH	62,922,453	1.51	265
SILURIAN	65,746,059	1.58	223
SOURIS RIVER	59,338	0.00	3
SPEARFISH	4,282,378	0.10	132
SPEARFISH/CHARLES	51,716,757	1.24	238
SPEARFISH/MADISON	5,346,987	0.13	115
STONEWALL	16,725,656	0.40	130
STONY MOUNTAIN	5,668	0.00	1
THREE FORKS	127,082	0.00	5
TYLER	16,211,081	0.39	88
TYLER A	3,124,363	0.08	7
WINNIPEG	150,164	0.00	4
WINNIPEG/DEADWOOD	47,234	0.00	6
WINNIPEGOSIS	10,217,623	0.25	56
<b>TOTALS</b>	<b>4,156,184,129</b>	<b>100</b>	<b>21,970</b>