

**NORTH DAKOTA CUMULATIVE OIL PRODUCTION
BY FORMATION THROUGH DECEMBER 2019**

FORMATION	CUMULATIVE OIL	PERCENT	WELLS
BAKKEN	3,208,332,025	62.49	15,010
BAKKEN/THREE FORKS	18,902,146	0.37	63
BIRDBEAR	21,546,461	0.42	175
CAMBRO/ORDOVICIAN	461,144	0.01	5
DAWSON BAY	4,163,154	0.08	14
DEADWOOD	1,008	0.00	2
DEVONIAN	103,636,231	2.02	144
DUPEROW	53,748,770	1.05	353
GUNTON	284,964	0.01	11
HEATH	67,424,693	1.31	198
INTERLAKE	8,568	0.00	1
LODGEPOLE	62,854,909	1.22	52
LODGEPOLE/BAKKEN	5,883	0.00	1
MADISON	975,697,486	19.00	5,644
MIDALE/NESSON	3,483,700	0.07	48
MISSION CANYON	22,179	0.00	1
ORDOVICIAN	34,788,556	0.68	123
RATCLIFFE	244,740	0.00	4
RED RIVER	118,004,540	2.30	769
RED RIVER B	184,002,493	3.58	560
RED RIVER C	11,829	0.00	1
SANISH	100,960,415	1.97	353
SILURIAN	65,969,200	1.28	223
SOURIS RIVER	59,338	0.00	3
SPEARFISH	4,828,856	0.09	132
SPEARFISH/CHARLES	52,368,666	1.02	238
SPEARFISH/MADISON	5,587,887	0.11	116
STONEWALL	16,909,936	0.33	131
STONY MOUNTAIN	5,668	0.00	1
THREE FORKS	2,604	0.00	4
TYLER	16,448,698	0.32	88
TYLER A	3,140,672	0.06	7
WINNIPEG	150,164	0.00	4
WINNIPEG/DEADWOOD	47,353	0.00	6
WINNIPEGOSIS	10,374,689	0.20	56
TOTALS	5,134,479,625	100	24,541