

**NORTH DAKOTA CUMULATIVE OIL PRODUCTION
BY FORMATION THROUGH DECEMBER 2012**

FORMATION	CUMULATIVE OIL	PERCENT	WELLS
BAKKEN	546,456,243	24.27	5,380
BAKKEN/THREE FORKS	1,958,706	0.09	19
BIRDBEAR	19,630,723	0.87	172
CAMBRO/ORDOVICIAN	416,524	0.02	5
DAWSON BAY	4,091,154	0.18	14
DEADWOOD	1,008	0.00	2
DEVONIAN	100,755,233	4.48	138
DUPEROW	51,350,901	2.28	345
GUNTON	240,044	0.01	11
HEATH	66,504,431	2.95	197
INTERLAKE	8,568	0.00	1
LODGEPOLE	58,712,780	2.61	52
LODGEPOLE/BAKKEN	5,883	0.00	1
MADISON	931,413,490	41.37	5,547
MIDALE/NESSON	2,788,046	0.12	47
MISSION CANYON	21,288	0.00	1
ORDOVICIAN	32,834,934	1.46	123
RATCLIFFE	210,855	0.01	4
RED RIVER	108,463,535	4.82	718
RED RIVER B	141,582,552	6.29	547
RED RIVER C	11,829	0.00	1
SANISH	18,683,956	0.83	93
SILURIAN	64,674,256	2.87	221
SOURIS RIVER	58,090	0.00	2
SPEARFISH	1,107,961	0.05	59
SPEARFISH/CHARLES	49,997,591	2.22	210
SPEARFISH/MADISON	4,666,423	0.21	103
STONEWALL	15,996,868	0.71	124
STONY MOUNTAIN	5,854	0.00	2
THREE FORKS	103,285	0.00	5
TYLER	15,482,373	0.69	84
TYLER A	3,011,003	0.13	7
WINNIPEG	138,542	0.01	3
WINNIPEG/DEADWOOD	36,246	0.00	6
WINNIPEGOSIS	9,750,075	0.43	55
TOTALS	2,251,171,250	100.00	14,299