TABLE OF OKLAHOMA OIL AND GAS RESERVOIRS

(≥ 20 Completions in 1-2008 IHS Energy Database)

NAME	NUMBER OF COMPLETIONS	REGION(S)	STRATIGRAPHIC INTERVAL(S)
ABERNATHY	29	1	E
ADA	87	5	A
ADMIRE	27	1,2	G
ALDRIDGE	141	4	C
ALLEN	952	5,6	D
ALMA	69	6	C
ANADARCHE	43	4	E
ARBUCKLE	1,789	1,2,3,4,5,6	A
ARKANSAS NOVACULITE	32	6	B
ARMSTRONG	21	3	F
ASHSHALINTUBBI	28	4	D
ATOKA	3,379	1,2,4,5,6	C
ATOKA LIME	1,011	1,2,3,5,6	C
AVANT	186	2	E
BARTLESVILLE	27,605	1,2,6	D
BATEMAN	22	3	F
BAYOU	103	3,4	E
BELLE CITY	31	5	E
BELVEAL	73	1,2	G
BEVIER	125	2	D
BIG LIME	1,265	1,2	D
BIRDSEYE	52	3	A
BLAKE	20	3	F
BLAYDES	35	3	F
BLUEJACKET	151	2	D
BOATWRIGHT	153	1	C
BOGGY	88	5,6	D
BOIS D'ARC	928	1,2,3	B
BOOCH	5,920	2,5,6	D
BOOTH	39	3	F
BOYD	54	1,3	E
BOYNTON	57	2	C
BRAZIL	149	6	C
BRENT	29	6	C
BRISCOE	60	3,4	F
BRITT	206	1	C
BROMIDE	1,341	1,2,3,4,5,6	A
BROMIDE (1st) (U)	1,048	1,2,5	A
BROMIDE (2nd) (3rd?) (L)	1,122	1,2,5	A
BROMIDE DENSE	56	1,2,3,4,5,6	A
BROWN DOLOMITE	305	1,3	G
BROWN LIME	33	2	D
BRUNDIDGE	22	5	E
BRUNER	40	2	E
BURBANK	1,685	2	D
BURGEN	147	2	A
BURGESS	2,551	2	C
BURKHART	20	4	E
BURLINGAME	80	1,2	F
BURNS	110	5	E
BUZZARD	156	2	E
CACHE CREEK	28	3	F
CALVIN	1,386	2,5,6	D
CALVIN (U)	66	2,5,6	D
CALVIN (M)	100	2,5,6	D
CALVIN (L)	334	2,5,6	D
CAMPBELL	105	1,2	F
CANEY	71	2,3,5,6	B
CANYON	160	3	E
CARMICHAEL	132	2	F
CARPENTER	424	4	D
CECIL	31	3,6	C
CHARLSON	41	1	D
CHASE	517	1	G
CHAT	4,667	1,2	B
CHATTANOOGA	39	2	B
CHECKERBOARD	565	1,2,5	E
CHEROKEE	2,300	1,2	D
CHESTER	8,372	1	B
CHIMNEYHILL	679	1,3,5	B
CHUBBEE	174	4	E
CISCO	137	3,4	F
CISCO LIME	271	3,4	F
CLEVELAND	6,299	1,2	E
CLEVELAND (U)	146	1,2	E
CLEVELAND (L)	185	1,2	E
CLINTON LAKE	29	1	C
COLE	21	3	G
COLINE	52	3	F
CONGLOMERATE	171	3	D
COTTAGE GROVE	1,131	1,2	E
COTTONWOOD	28	2	G
COUNCIL GROVE	719	1	G
COUNTY LINE	39	4	E
CREWS	266	1,2	F
CROMWELL	4,166	2,5,6	C
CROWEBERG	261	2	D
CULBERSON	96	4	D
CULP	82	1	E
CUNNINGHAM	244	1	C
DAUBE	24	4	E
DAWSON	123	2	D
DEANER	29	2	C
DEESE	3,051	1,3,4,5	D
DEESE (1st)	128	4,5	D
DEESE (2nd)	191	4,5	D
DEESE (3rd)	114	4,5	D
DEESE (4th)	82	4,5	D
DES MOINES	1,254	1,4	D
DEWEY	140	2	E
DILLARD	24	2,3	E
DOLOMITE	607	2,5	G
DOLOMITE SOLID	36	3	G
DORNICK HILLS	332	3,4	C, D
DORNICK HILLS (UPPER)	32	3,4	C, D
DORNICK HILLS (LOWER)	41	3,4	C, D
DOUGLAS	144	1	F
DUTCHER	8,689	2	C
DYER	23	4	E
DYKEMAN	132	5	D
EARLSBORO	1,917	2,5,6	D
EASON	169	4	D
EBERT	21	2	F
EDWARDS	92	4	E
ELGIN	127	1,2,3	F
ENDICOTT	209	1,2	F
FANSHAWE	217	6	C
FERNVALE	22	5	A
FIELDS	58	2	C
FLAT TOP	85	4	C
FORAKER	55	1,2	G
FORT RILEY	39	1,2	G
FORTUNA	1,607	1,3	G
FUSULINA	320	4	D
FUSULINID	244	4	D
GARBER	233	1,2	G
GEORGES FORK	48	6	C
GIBSON	992	5	D
GILCREASE	3,132	2,5,6	C
GLENN	1,883	2	D
GLOVER	30	1	D
GODDARD	96	1,4	C
GOODWIN	594	4	C
GRANITE WASH	8,303	1,3	C-G
GREEN SHALE	59	2	A
GRIFFIN	29	1,4	F
GRIMES	41	3	F
GUNSIGHT	62	3	F
HARAGAN	132	1,2	B
HARRYMAN	23	6	D
HARRYMAN	23	1	B
HART	1,767	1,5	D
HARTSHORNE	4,052	6	D
HASKELL	72	1,2	F
HEALDTON	750	4	E
HEATH	29	4	E
HEFNER	127	4	D
HELVEY	22	5	F
HENDERSON	20	3	F
HERINGTON	496	1,2	G
HEWITT	296	4	D-E
HEWITT (1st)	28	4	D-E
HEWITT (3rd)	20	4	D-E
HOGSHOOTER	187	1,2,5	E
HOMINY	299	2	A
HOOVER	570	2	F
HOOVER (LAVERTY)	237	1	F
HORTON	21	1	C
HOTSON	157	1,2	G
HOXBAR	2,076	1,3,4,5	E
HOY	101	2	G
HUDDLESTON	36	1	E
HUGOTON	59	1	G
HUMPHREYS	402	4	C
HUNTON	13,459	1,2,3,4,5,6	B
INOLA	799	1,2	D
INSCORE	26	4	C
IRON POST	602	2	D
JACKFORK	111	6	C
JEFFERSON	294	5,6	C
JOHNSON	39	1	A
JOINS	64	1,2,3	A
JONES	532	2	E
KANSAS CITY	218	1	E
KELLY	41	3	G
KELLY	20	1	C
KEYES (KEYS)	125	3	F
KEYES (KEYS)	478	1	C
KINDBLADE	27	4	A
KINDERHOOK	34	1	B
KISNER	58	2	G
KISTLER	33	1	D
KRIDER	362	1	G
LANSING	248	1	E
LAYTON	3,721	1,2,5	E
LEIDECKER	42	2	C
LITTLE OSAGE	43	2	D
LOCO	783	3,4	E
LOCO (U)	23	3,4	E
LONE GROVE	398	3	D
LOVELL	101	1,2	F
MAGNOLIA	56	4	G
MANNING	3,619	1	B
MARCHAND	795	1	E
MARKHAM	80	4	C
MARMATON	815	1	D
MARSHALL	197	1,2	A
MAYES	91	1,2,5	B
MCALESTER	100	6	D
MCKINNEY	112	5	E
MCLISH	792	1,3,4,5	A
MEDRANO	284	1,3	E
MELTON	78	1	E
MERAMEC	2,170	1	B
MISENER	2,796	1,2	B
MISSISSIPPI CHAT	1,111	1,2	B
MISSISSIPPI LIME	5,125	1,2	B
MISSISSIPPI SOLID	419	1,2	B
MISSISSIPPIAN	16,797	1,2	B
MISSISSIPPIAN CHERT	3,692	1,2	B
MISSOURI	137	1	E
MONA	20	1	D
MORRIS	423	2,4	D
MORRIS	148	2,6	C
MORROW	10,877	1	C
MULKY	1,088	2	D
MUSKOGEE	291	2	C
MUSSELLEM	58	1,2	E
NEVA	580	2	G
NEWBERRY	59	4	G
NEWKIRK	33	2	F
NICHOLS	20	1	G
NICHOLS	40	4	E
NILES	37	1	F
NOBLE-OLSON	602	1	G
NORRIS	43	3	E
NUYAKA	53	2	E
OAKLEY	35	2	D
OIL CITY	36	2	E
OIL CREEK	1,023	1,2,3,4,5	A
OKESA	38	2	E
OOLITIC	44	1	F
OOLITIC	55	1,4	E
OREAD	88	1,2	F
OSAGE	535	1,2	B
OSAGE LAYTON	186	2	E
OSBORN	739	1	D
OSCAR	68	3	E
OSWEGO	7,768	1,2	D
PANOLA	88	6	C
PAPOOSE	56	2	C
PARVIN	30	1	B
PATTY	26	4	E
PAWHUSKA	108	1,2	F
PENNINGTON	25	4	E
PEOPLES	34	2	E
PERRY (GAS)	204	1,2	E
PERRYMAN	94	2	D
PERU	1,929	2	D
PHARAOH	20	5	D
PICKENS	208	4	D
PINK LIME	132	1,2	D
PITKIN	134	2	B
PONTOTOC	1,099	3	G
POOLER	40	1	D
PRIDDY	215	3	F
PRIMROSE	81	1	C
PRUE	5,259	1,2	D
PURDY	132	1	C
PURYEAR	21	1	C
RAGAN	103	2	F
RAMSEY	54	1,3	G
REAGAN	27	2,3,4	A
RED EAGLE	28	2	G
RED FORK	13,971	1,2,6	D
RED OAK	831	6	C
RIVERTON	469	2	D
ROBBERSON	69	4	G
ROWE	186	1,3	F
ROWE	1,206	2	D
SALT	494	2,6	D
SAMS	115	2	F
SANDERS	30	3	D
SAVANNA	259	6	D
SCHOOL LAND	46	1	A
SEARS	37	3	F
SENORA	2,357	2,5,6	D
SHAWNEE	50	1	F
SIMPSON	3,630	1,2,3,4,5,6	A
SIMS	691	4	C
SKAGGS	74	4	F
SKINNER	6,598	1,2	D
SKINNER (U)	253	1,2	D
SKINNER (M)	55	1,2	D
SKINNER (L)	1,408	1,2	D
SPIRO	1,378	6	C
SPRINGER	2,902	1,4	C
SQUIRREL	319	2	D
ST GENEVIEVE	82	1	B
ST LOUIS	174	1	B
STALNAKER	73	2	F
STANLEY	69	6	B
STEARNS	80	3	E
STRAWN	76	3	D
STUART	32	6	D
SUMMIT	149	2	D
SYCAMORE	2,390	1,3,4	B
SYLVAN	652	1,2,5	A
TANEHA	625	2	D
TATUMS	389	4	E
TAYLOR	56	3	D
TEBO	43	2	D
THOMAS	51	3	F
THURMAN	1,384	2,5,6	D
TIMBER RIDGE	212	2	C
TONKAWA	2,400	1,2	F
TOPEKA	246	1	F
TORONTO	107	1	F
TRENTON	198	2,5	A
TUCKER	1,018	2	D
TULEY	135	5	E
TULIP CREEK	292	1,2,3,4,5	A
TURKEY MOUNTAIN	63	2	A
TUSSY	1,639	4	D
TYNER	349	2	A
UNION VALLEY	683	2,5,6	C
VELMA	41	4	C
VERDEN	20	1	E
VERDIGRIS	143	1,2	D
VERTZ	177	2	F
VIOLA	8,274	1,2,3,4,5,6	A
VIRGIL	66	1,3	F
WABAUNSEE	46	1	F
WADE	283	1,4	E
WAINWRIGHT	26	2	C
WAMSLEY	26	1	C
WANETTE	55	5	D
WAPANUCKA	879	2,5,6	C
WATKINS	28	3	F
WAYSIDE	2,748	2	D
WEIR (PITT)	352	2	D
WEISER (WISER)	54	2	D
WEST SPRING CREEK	32	4,5	A
WEWOKA	64	2,5	D
WHEELER	202	2	D
WHITING	23	2	D
WHITNEY	23	2	G
WILCOX	6,431	1,2,5	A
WILCOX (1st) (U)	1,141	1,2,5	A
WILCOX (2nd) (L)	1,762	1,2,5	A
WILLIAMS	90	4	D
WILSON	25	3	F
WIMBERLY	32	5	E
WINFIELD	193	1,2	G
WOODFORD	1,959	1,2,3,4,5,6	B
WOODMANSEE	25	4	D
WOODS	41	1	C
YATES	49	4	E
YULE	133	1,3	F
ZYPSIE	92	3	F

This chart does not reflect formal stratigraphic nomenclature, but is designed solely to help industry professionals determine the stratigraphic position of important producing formations. This is especially necessary in Oklahoma, where operators have been allowed to apply their own names to producing reservoirs, leaving the State with thousands of inconsistently defined units.

The 350 names shown have at least 20 completions in the January 1, 2008 IHS Energy producing formation database. These represent a small fraction of the total number of names, but account for 93% of well completions in which a reservoir is designated. The inclusion of less frequently used names would add many times the number of reservoirs shown. For the sake of clarity these, and unproductive stratigraphic markers, are not included. The positions of major producing reservoirs are well known, but lesser producers are often inconsistent. The placement of these is usually based on the well in which they were first defined. For reservoirs that do not appear in the geological literature listed below, placement is based on their relative position to other formations listed on completion reports. Where this is inconsistent, or can only be roughly estimated, the name is followed by (?). Reservoirs not specific to a single stratigraphic interval, such as Pennsylvanian, Permian, Stray, Sand, Lime, and Unconformity, are not shown.

The time scale, which includes Group names, has been simplified to show only those intervals represented by Oklahoma sedimentary rocks. This chart has no vertical scale, with stratigraphic thicknesses reflecting only the number of names that they are required to hold. The wider, multi-row formations are shown in italics, with horizontal lines defining their limits. Lithology is color-coded, with the wider intervals colored only when production comes from a predominant rock type.

The State is divided into six regions, with reservoir names shown only within the regions that they produce. Names have been arranged to keep the number of columns in each region to a minimum, but where possible, those recognized in a part of a given region are listed in the same column. Widely separated reservoirs in the same stratigraphic position denote at least approximate correlation, although few are consistently recognized as such by operators.

The accompanying table is provided to help locate reservoirs both geographically and stratigraphically. Note: some names appear in multiple areas and stratigraphic positions.

Neil Suneson performed the technical editing of this publication, with assistance from Rick Andrews and Brian Cardott. All three are from the Oklahoma Geological Survey. The following references were used in the construction of this chart.

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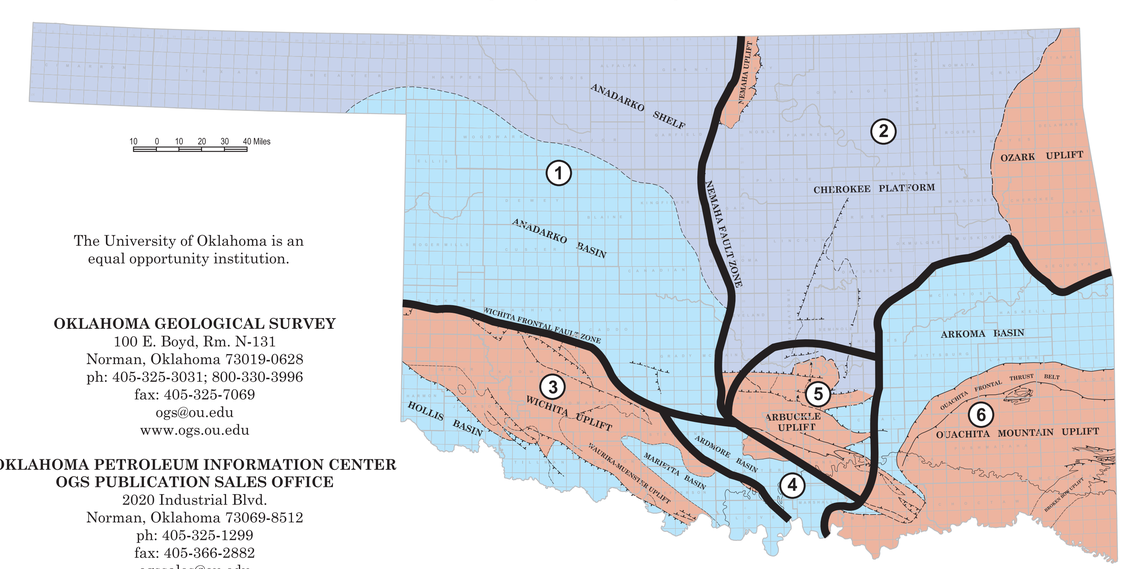

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