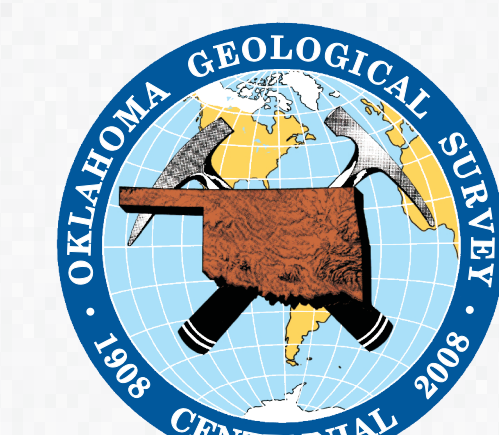


TABLE OF OKLAHOMA OIL AND GAS RESERVOIRS

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

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



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.

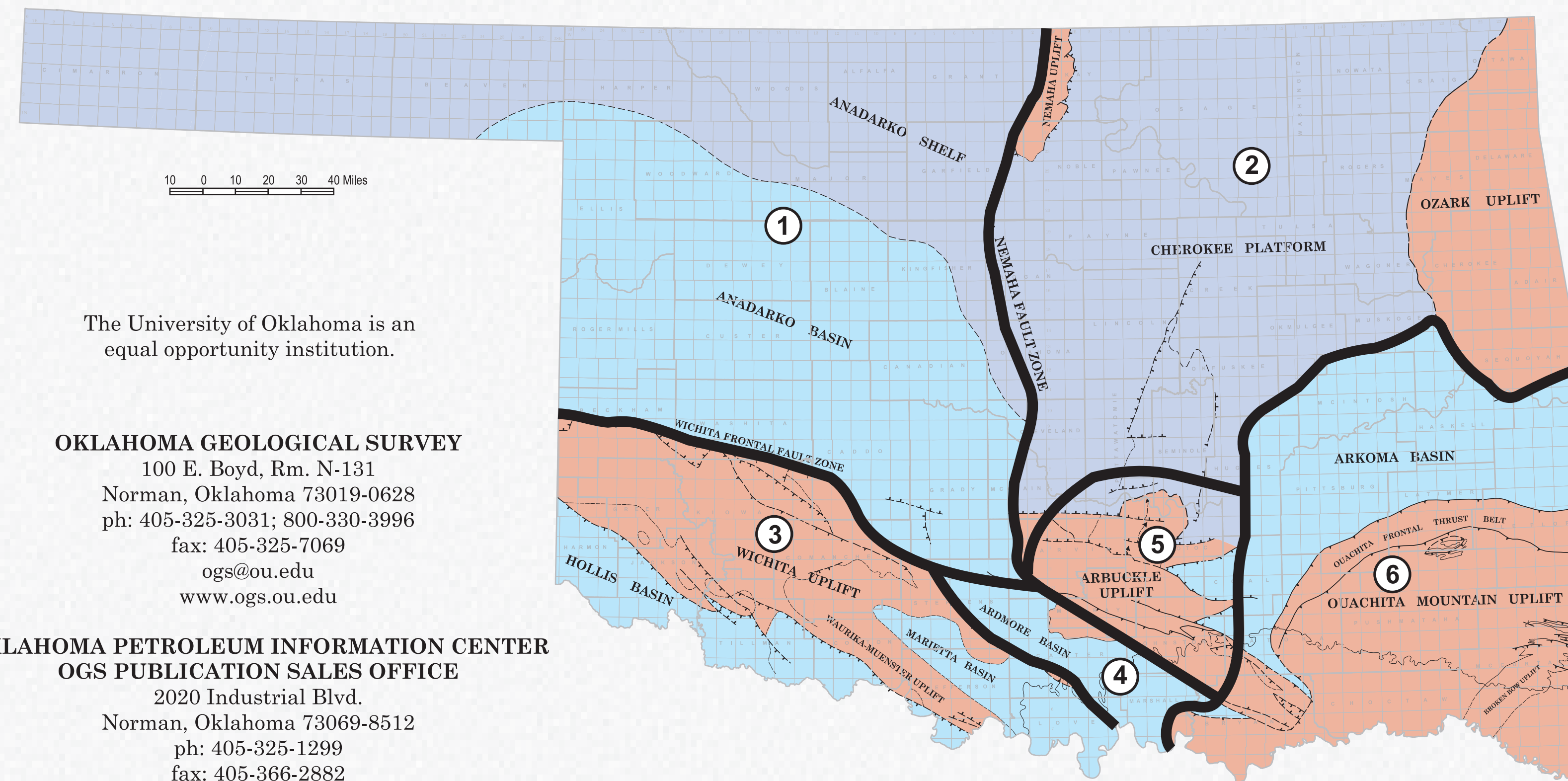
The accompanying table is provided to help locate reservoirs both geographically and stratigraphically. Note: some names appear in multiple areas and stratigraphic positions.

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.

- Cipriani, Dan, 1963, General Geologic Sections of Oklahoma and Northern Arkansas, Phillips Petroleum Company.
- Fay, Robert O., 1997, Stratigraphic Units in Oklahoma, Texas, Arkansas, and Adjacent Areas OGS Open File Report: 2-97, 229p.
- IHS Energy (PI/Dwights Plus), January 1, 2008, Southern Midcontinent Well Data on CD, Vol. 18, Issue 1.
- Jordan, Louise, 1957, Subsurface Stratigraphic Names of Oklahoma, OGS Guidebook No. 6, 220p.
- Northcutt, R. A.; and Campbell, J. A., 1995, Geologic provinces of Oklahoma: Oklahoma Geological Survey Open-File Report 5-95.
- Richardson, Colonel (?), No Date, Untitled stratigraphic charts of Oklahoma, Superior/Texaco Company.

Geologic Provinces of Oklahoma Showing Region Numbers

Compiled by Northcutt and Campbell, 1995



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