

GENERAL GEOLOGIC SECTIONS OF OKLAHOMA AND NORTHERN ARKANSAS

SYSTEM	SERIES	GROUP	BRADLEY GOLDEN TREND	SOUTHERN OKLAHOMA SURFACE	VELMA DOYLE AREA	CEMENT-CHICKASHA	HOLLIS BASIN (PALODURO)	OKLAHOMA CITY	NEMAHA RIDGE	N.W. OKLAHOMA	MCALISTER BASIN SEMINOLE DISTRICT	OUACHITA REGION	N.E. OKLAHOMA	NORTHERN ARKANSAS	
CRETACEOUS	COMANCHEAN	WASHITA	Eagle Ford Woodbine									Eagle Ford Woodbine			
			FREDRICKSBURG	Grayson Marl									Grayson Marl		
				Bennington Marl									Bennington Marl		
				Bokchita Fm									Bokchita Fm		
TRINITY		Ft Worth Lm									Ft Worth Lm				
		Duck Creek Fm									Duck Creek Fm				
			Kiamichi Clay									Kiamichi Clay			
			Goodland Ls									Goodland Ls			
			Paluxy 5d									Paluxy 5d			
PRAIRIE PLAINS HOMOCLINE - UPLIFT & NW TILTING															
PERMIAN	OCHOAN		Quartermaster			Quartermaster									
			Cloud Chief			Cloud Chief									
	GUADALUPAN		Rush Springs Marl			Rush Springs Marl									
			Chickasha			Chickasha									
	LEONARDIAN	SUMNER	Hennessey			Hennessey									
			Garber Wellington			Garber Wellington									
			Marion			Marion									
WOLF CAMPIAN	CHASE		Wichita-Clear Fork			Wichita-Clear Fork									
			Stratford			Stratford									
	COUNCIL GROVE		Pontotoc			Pontotoc									
			Stratford (Arkosis)			Stratford (Arkosis)									
ADMIRE		Hart Ls			Hart Ls										
		Post Oak Congl.			Post Oak Congl.										
ARBUCKLE OROGENY - ARBUCKLE ANTICLINE, WICHITA MTS, OUACHITA DEFORMATION															
TRIASSIC	VIRGILIAN		Collings Ranch			Collings Ranch									
			Cisco			Cisco									
			(Non-Arkosis Red Beds)			(Non-Arkosis Red Beds)									
	MISSOURIAN	HOXBAR	SHELLATA	Zuckerman Ls			Zuckerman Ls								
				Daubes Ls			Daubes Ls								
				Anadarche Ls			Anadarche Ls								
	DES MOINESIAN	DEESE	CHEROKEE	Hogshooter 1st Checkerboard			Hogshooter 1st Checkerboard								
				2nd Deese 5d (Pharaoh)			2nd Deese 5d (Pharaoh)								
				3rd Deese 5d (Gibson)			3rd Deese 5d (Gibson)								
	UPPER WICHITA OROGENY	ATOKAN	UPPER DORNICK HILLS	1st Deese 5d (Abernathy)			1st Deese 5d (Abernathy)								
				2nd Deese 5d (Pharaoh)			2nd Deese 5d (Pharaoh)								
				3rd Deese 5d (Gibson)			3rd Deese 5d (Gibson)								
U. Hart "Hart" Ls						U. Hart "Hart" Ls									
L. Hart						L. Hart									
5th Deese (Osborn)						5th Deese (Osborn)									
MISSISSIPPIAN	MORROWIAN	LOWER DORNICK HILLS	L. Dornick Hills 5h			L. Dornick Hills 5h									
			Primrose Ls			Primrose Ls									
			Primrose 5d			Primrose 5d									
	SPRINGER	CUNNINGHAM SD	BRITT SD	Cunningham 5d			Cunningham 5d								
				Britt 5d			Britt 5d								
				Spiers Boatwright Black Marker (Horsefly 5d)			Spiers Boatwright Black Marker (Horsefly 5d)								
	CHESTERIAN	GODDARD	CANEY SH	Goddard 5h			Goddard 5h								
				Caney 5h			Caney 5h								
				Mayeres (more calcareous than all mls)			Mayeres (more calcareous than all mls)								
	OSAGEAN	SYCAMORE	SYCAMORE	Sycamore			Sycamore								
				Woodford 5h			Woodford 5h								
				Woodford 5h			Woodford 5h								
KINDERHOOKIAN	WOODFORD 5H	WOODFORD 5H	Woodford 5h			Woodford 5h									
			Woodford 5h			Woodford 5h									
			Woodford 5h			Woodford 5h									
CHATTAHOOCIAN	WOODFORD 5H	WOODFORD 5H	Woodford 5h			Woodford 5h									
			Woodford 5h			Woodford 5h									
			Woodford 5h			Woodford 5h									
POST HUNTON OROGENY (ACADIAN DISTURBANCE)															
SILURIAN	HUNTON	FRISCO LS	Frisco Ls			Frisco Ls									
			Bois d'Arc Haragan			Bois d'Arc Haragan									
			Henryhouse Chimney Hill			Henryhouse Chimney Hill									
NIAGARAN AND ALEXANDRIAN	HUNTON	CHIMNEY HILL	Sylvan			Sylvan									
			Fernvale			Fernvale									
			Trenton			Trenton									
CHAMPLAINIAN	SIMPSON	MCLISH	Bremide Dense First Bromide			Bremide Dense First Bromide									
			Oil Creek 5h			Oil Creek 5h									
			Oil Creek 5h			Oil Creek 5h									
CANADIAN (BEAUMONTIAN)	ARBUCKLE GROUP	ARBUCKLE	Arbuckle			Arbuckle									
			Reagan 5d			Reagan 5d									
			Reagan 5d			Reagan 5d									
PRE-CAMBRIAN	TIMBERED HILLS	GRANITE	Calbert Porphyry			Calbert Porphyry									
			Reagan 5d			Reagan 5d									
			Reagan 5d			Reagan 5d									
			Tishomingo Granite			Tishomingo Granite									

NOTE: PONTOTOC RESTRICTED TO PERMIAN SYSTEM ONLY. DOES NOT INCLUDE CISCO RED BEDS (PENNSYLVANIAN) BECAUSE OF MAJOR OROGENY SEPARATING TWO SYSTEMS.