

TABLE 2.—LITHOSTRATIGRAPHIC CLASSIFICATION OF BASEMENT ROCKS OF WICHITA PROVINCE, OKLAHOMA
(Underlined units crop out in Wichita Mountains)

Age (m.y.)	Group	Formation	Member	General Lithology
?		<u>diabase</u>		Fine-grained diabase cutting all older units but not Reagan ss.
514 ± 10?		<u>Cold Springs Breccia</u>		Dark-gray microdiorite blocks in matrix of pink leucogranite; locally medium-gray quartz monzodiorite blocks in light gray granodiorite matrix
525 ± 25	<u>Wichita Granite Group</u>	<i>East</i> Quanah Cache Medicine Park Saddle Mountain Mount Scott	<i>West</i> Lugert Cooperton Long Mountain Reformatory Headquarters	Group typified by medium-to fine-grained alkali feldspar granites; granophyric texture sporadically distributed within the group.
525 ± 25	<u>Carlton Rhyolite Group</u>	Bally Mountain Blue Creek Canyon Fort Sill		Rhyolitic lavas interbedded with minor tuffs and agglomerates
?		<u>Otter Creek Microdiorite</u>		Fine-grained diorite and quartz diorite
?	Navajoe Mountain Basalt-Spillite Group			Extrusive basalts variably altered
552±7		Roosevelt Gabbros	Mt. Baker hornblende Gabbro Glen Creek Gabbro Sandy Creek Gabbro Mount Sheridan Gabbro	Medium- to fine-grained hornblende-biotite, 2-pyroxene, no olivine, gabbro Medium-grained biotite-amphibole-bearing olivine gabbro Medium-grained biotite amphibole-bearing gabbro ± olivine Medium-grained biotite gabbro locally fractionated to ferrogranodiorite
509-730 1,300-1,500	<u>Raggedy Mountain Gabbro Group</u>	Glen Mountains Layered Complex	N Zone M Zone L Zone K Zone G Zone	anorthositic gabbro with cumulus plagioclase Anorthosite, anorthositic gabbro, and troctolite with cumulus plagioclase augite, olivine Anorthositic gabbro with minor troctolite; coarse-ophitic augite; cumulus plagioclase and olivine Alternating bands of anorthosite and troctolite; cumulus plagioclase, olivine Troctolite and olivine gabbro; medium grained; cumulus plagioclase olivine
?	Tillman Metasedimentary Group	<u>Meers Quartzite</u>		Metaquartzite and meta-graywacke with andalusite and sillimanite; inclusions in rocks of Raggedy Mountain Gabbro Group and Wichita Granite Group