UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

COAL MAP
OF THE
McALESTER DISTRICT, PITTSBURG AND LATIMER COUNTIES, OKLAHOMA

Surveyed in 1920 and 1921 by T. A. Hendricks assisted by
C. R. Mead, C. W. Tomlinson, Jr., C. E. Williams, T. L. Metcalf,
T. D. Mumford, and R. M. Cheshire

Scale: 2 inches = 1 mile

1923

PRELIMINARY EDITION

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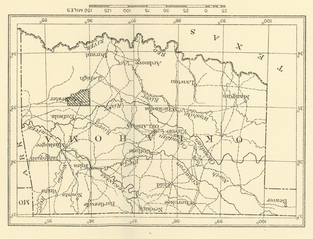
EXPLANATION

- Outcrop of minable coal bed.
- Approximate outcrop of minable coal bed.
- Outcrop of thin coal bed.
- Abandoned slope mine.
- Abandoned shaft mine.
- Operating slope mine.
- Operating shaft mine.
- Abandoned strip pit.
- Limit of mine workings.
- Diamond drill hole. *(Number corresponds to numbers of logs given in Senate Document 330)*
- Brick plant.
- Shear fault. *Arrow indicates direction of horizontal movement.*
- Normal fault. *D, downthrow. U, upthrow.*
- Thrust fault. *T, Thrust side*
- Axis of anticline.
- Axis of syncline.
- Dip of beds.
- Horizontal beds.
- Boundary of segregated Indian coal lands.



GENERALIZED SECTION OF THE STRATA ABOVE THE McALESTER DISTRICT, OKLAHOMA

Showing the seams and partings of the coal beds in the rock formations

Scale: 1 inch = 1,000 feet

Era	System	Series	Group	Formation	Thickness	Character of rocks	Coal beds	Typographical representation
Carboniferous	Pennsylvanian	Upper Pennsylvanian	Missouri	Senora	1,000 ft.	Sandstone, shale, limestone and coal	Senora coal, 2 to 4 ft.	Yellow
				Wewoka	1,000 ft.	Sandstone, shale, limestone and coal	Wewoka coal, 2 to 4 ft.	Yellow
				Holdenville	1,000 ft.	Sandstone, shale, limestone and coal	Holdenville coal, 2 to 4 ft.	Yellow
				Thurman	1,000 ft.	Sandstone, shale, limestone and coal	Thurman coal, 2 to 4 ft.	Yellow
			Des Moines	Stuart	1,000 ft.	Sandstone, shale, limestone and coal	Stuart coal, 2 to 4 ft.	Yellow
				McAlester	1,000 ft.	Sandstone, shale, limestone and coal	McAlester coal, 2 to 4 ft.	Yellow
				Hartshorne	1,000 ft.	Sandstone, shale, limestone and coal	Hartshorne coal, 2 to 4 ft.	Yellow
				Atoka	1,000 ft.	Sandstone, shale, limestone and coal	Atoka coal, 2 to 4 ft.	Yellow
		Middle Pennsylvanian		Boggy shale	1,000 ft.	Shale, sandstone and coal	Boggy coal, 2 to 4 ft.	Yellow
				Savanna sandstone	1,000 ft.	Sandstone, shale and coal	Savanna coal, 2 to 4 ft.	Yellow
				Buckhorn asphaltic sandstone	1,000 ft.	Sandstone, shale and coal	Buckhorn coal, 2 to 4 ft.	Yellow
				Wetumka shale	1,000 ft.	Shale, sandstone and coal	Wetumka coal, 2 to 4 ft.	Yellow
				Calvin sandstone	1,000 ft.	Sandstone, shale and coal	Calvin coal, 2 to 4 ft.	Yellow
				Senorita shale	1,000 ft.	Shale, sandstone and coal	Senorita coal, 2 to 4 ft.	Yellow
				Hoffman	1,000 ft.	Sandstone, shale and coal	Hoffman coal, 2 to 4 ft.	Yellow
				Dutcher	1,000 ft.	Sandstone, shale and coal	Dutcher coal, 2 to 4 ft.	Yellow
				Upper Thurman	1,000 ft.	Sandstone, shale and coal	Upper Thurman coal, 2 to 4 ft.	Yellow
				Lower Thurman	1,000 ft.	Sandstone, shale and coal	Lower Thurman coal, 2 to 4 ft.	Yellow
				Crowell	1,000 ft.	Sandstone, shale and coal	Crowell coal, 2 to 4 ft.	Yellow
				Lower Hartshorne	1,000 ft.	Sandstone, shale and coal	Lower Hartshorne coal, 2 to 4 ft.	Yellow
				Booch	1,000 ft.	Sandstone, shale and coal	Booch coal, 2 to 4 ft.	Yellow
				Lower Booch	1,000 ft.	Sandstone, shale and coal	Lower Booch coal, 2 to 4 ft.	Yellow
				Spiro	1,000 ft.	Sandstone, shale and coal	Spiro coal, 2 to 4 ft.	Yellow
				Cavanal	1,000 ft.	Sandstone, shale and coal	Cavanal coal, 2 to 4 ft.	Yellow
				Howe	1,000 ft.	Sandstone, shale and coal	Howe coal, 2 to 4 ft.	Yellow
				Page	1,000 ft.	Sandstone, shale and coal	Page coal, 2 to 4 ft.	Yellow
				Labette	1,000 ft.	Sandstone, shale and coal	Labette coal, 2 to 4 ft.	Yellow
				Cherokee	1,000 ft.	Sandstone, shale and coal	Cherokee coal, 2 to 4 ft.	Yellow
				Fort Scott	1,000 ft.	Sandstone, shale and coal	Fort Scott coal, 2 to 4 ft.	Yellow
				Marmaton	1,000 ft.	Sandstone, shale and coal	Marmaton coal, 2 to 4 ft.	Yellow
				Pawnee	1,000 ft.	Sandstone, shale and coal	Pawnee coal, 2 to 4 ft.	Yellow
				Bandera	1,000 ft.	Sandstone, shale and coal	Bandera coal, 2 to 4 ft.	Yellow
				Cabaniss	1,000 ft.	Sandstone, shale and coal	Cabaniss coal, 2 to 4 ft.	Yellow
				Krebs	1,000 ft.	Sandstone, shale and coal	Krebs coal, 2 to 4 ft.	Yellow
				Gentry	1,000 ft.	Sandstone, shale and coal	Gentry coal, 2 to 4 ft.	Yellow
				Deese	1,000 ft.	Sandstone, shale and coal	Deese coal, 2 to 4 ft.	Yellow
				Vamoosa	1,000 ft.	Sandstone, shale and coal	Vamoosa coal, 2 to 4 ft.	Yellow
				Ada	1,000 ft.	Sandstone, shale and coal	Ada coal, 2 to 4 ft.	Yellow
				Wewoka	1,000 ft.	Sandstone, shale and coal	Wewoka coal, 2 to 4 ft.	Yellow
				Holdenville	1,000 ft.	Sandstone, shale and coal	Holdenville coal, 2 to 4 ft.	Yellow
				Thurman	1,000 ft.	Sandstone, shale and coal	Thurman coal, 2 to 4 ft.	Yellow
				Stuart	1,000 ft.	Sandstone, shale and coal	Stuart coal, 2 to 4 ft.	Yellow
				McAlester	1,000 ft.	Sandstone, shale and coal	McAlester coal, 2 to 4 ft.	Yellow
				Hartshorne	1,000 ft.	Sandstone, shale and coal	Hartshorne coal, 2 to 4 ft.	Yellow
				Atoka	1,000 ft.	Sandstone, shale and coal	Atoka coal, 2 to 4 ft.	Yellow
		Lower Pennsylvanian		Jackfork	1,000 ft.	Sandstone, shale and coal	Jackfork coal, 2 to 4 ft.	Yellow
				Johns Valley	1,000 ft.	Sandstone, shale and coal	Johns Valley coal, 2 to 4 ft.	Yellow
	Mississippian	Upper Mississippian		Caney shale	1,000 ft.	Shale, sandstone and coal	Caney coal, 2 to 4 ft.	Yellow
				Fayetteville shale	1,000 ft.	Shale, sandstone and coal	Fayetteville coal, 2 to 4 ft.	Yellow
				Sycamore limestone	1,000 ft.	Limestone, shale and coal	Sycamore coal, 2 to 4 ft.	Yellow
				Boone chert	1,000 ft.	Chert, limestone and coal	Boone coal, 2 to 4 ft.	Yellow
				Reeds Spring	1,000 ft.	Limestone, shale and coal	Reeds Spring coal, 2 to 4 ft.	Yellow
				Elvins	1,000 ft.	Limestone, shale and coal	Elvins coal, 2 to 4 ft.	Yellow
				Compton limestone	1,000 ft.	Limestone, shale and coal	Compton coal, 2 to 4 ft.	Yellow
				Kinderhook shale	1,000 ft.	Shale, sandstone and coal	Kinderhook coal, 2 to 4 ft.	Yellow
				Chattanooga shale	1,000 ft.	Shale, sandstone and coal	Chattanooga coal, 2 to 4 ft.	Yellow
		Lower Mississippian		Hunton limestone	1,000 ft.	Limestone, shale and coal	Hunton coal, 2 to 4 ft.	Yellow
				Sylvan shale	1,000 ft.	Shale, sandstone and coal	Sylvan coal, 2 to 4 ft.	Yellow
				Viola limestone	1,000 ft.	Limestone, shale and coal	Viola coal, 2 to 4 ft.	Yellow
				Simpson	1,000 ft.	Sandstone, shale and coal	Simpson coal, 2 to 4 ft.	Yellow
				Arbuckle limestone	1,000 ft.	Limestone, shale and coal	Arbuckle coal, 2 to 4 ft.	Yellow
				Timbered Hills	1,000 ft.	Limestone, shale and coal	Timbered Hills coal, 2 to 4 ft.	Yellow
				Reagan sandstone	1,000 ft.	Sandstone, shale and coal	Reagan coal, 2 to 4 ft.	Yellow
				Honey Creek limestone	1,000 ft.	Limestone, shale and coal	Honey Creek coal, 2 to 4 ft.	Yellow
				Fite limestone	1,000 ft.	Limestone, shale and coal	Fite coal, 2 to 4 ft.	Yellow
				Ellenburger limestone	1,000 ft.	Limestone, shale and coal	Ellenburger coal, 2 to 4 ft.	Yellow
				Arbuckle limestone	1,000 ft.	Limestone, shale and coal	Arbuckle coal, 2 to 4 ft.	Yellow
				Timbered Hills	1,000 ft.	Limestone, shale and coal	Timbered Hills coal, 2 to 4 ft.	Yellow
				Reagan sandstone	1,000 ft.	Sandstone, shale and coal	Reagan coal, 2 to 4 ft.	Yellow
				Honey Creek limestone	1,000 ft.	Limestone, shale and coal	Honey Creek coal, 2 to 4 ft.	Yellow
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				Ellenburger limestone	1,000 ft.	Limestone, shale and coal	Ellenburger coal, 2 to 4 ft.	Yellow

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