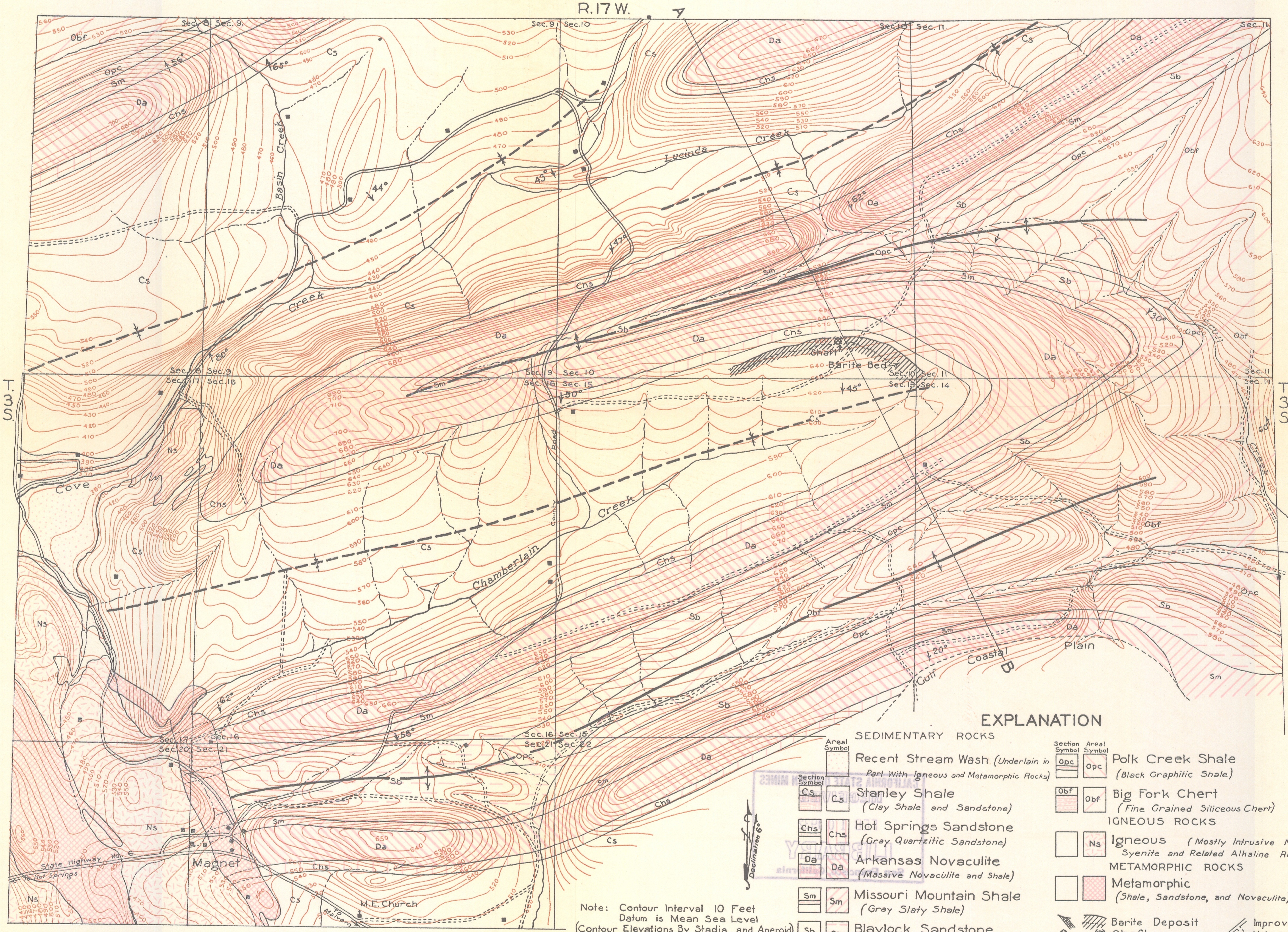

R. 17 W.
A
T. 3 S.
T. 3 S.
Sec. 8 Sec. 9
Sec. 9 Sec. 10
Sec. 10 Sec. 11
Sec. 11
Sec. 17 Sec. 16
Sec. 16 Sec. 15
Sec. 15 Sec. 14
Sec. 14
Sec. 20 Sec. 21
Sec. 21 Sec. 22
Basin Creek
Lucinda Creek
Cove Creek
Chamberlain Creek
Creek
County Road
Shaft
Barite Bed
Gulf Coastal Plain
B
Magnet
State Highway No. 6
To Hot Springs
To Malvern
M.E. Church
Declination 6°
Obf
Opc
Sm
Sb
Da
Chs
Cs
Ns
56°
65°
44°
43°
47°
80°
50°
45°
62°
30°
60°
20°
58°
62°

Note: Contour Interval 10 Feet
Datum is Mean Sea Level
(Contour Elevations By Stadia and Aneroid)

EXPLANATION

SEDIMENTARY ROCKS

Areal Symbol — **Recent Stream Wash** (*Underlain in Part With Igneous and Metamorphic Rocks*)

Section Symbol Cs, Areal Symbol Cs — **Stanley Shale** (*Clay Shale and Sandstone*)

Chs, Chs — **Hot Springs Sandstone** (*Gray Quartzitic Sandstone*)

Da, Da — **Arkansas Novaculite** (*Massive Novaculite and Shale*)

Sm, Sm — **Missouri Mountain Shale** (*Gray Slaty Shale*)

Sb, Sb — **Blaylock Sandstone** (*Fine-grained, Thin Bedded Sandstone*)

Section Symbol Opc, Areal Symbol Opc — **Polk Creek Shale** (*Black Graphitic Shale*)

Obf, Obf — **Big Fork Chert** (*Fine Grained Siliceous Chert*)

IGNEOUS ROCKS

Ns — **Igneous** (*Mostly Intrusive Nephelite Syenite and Related Alkaline Rocks*)

METAMORPHIC ROCKS

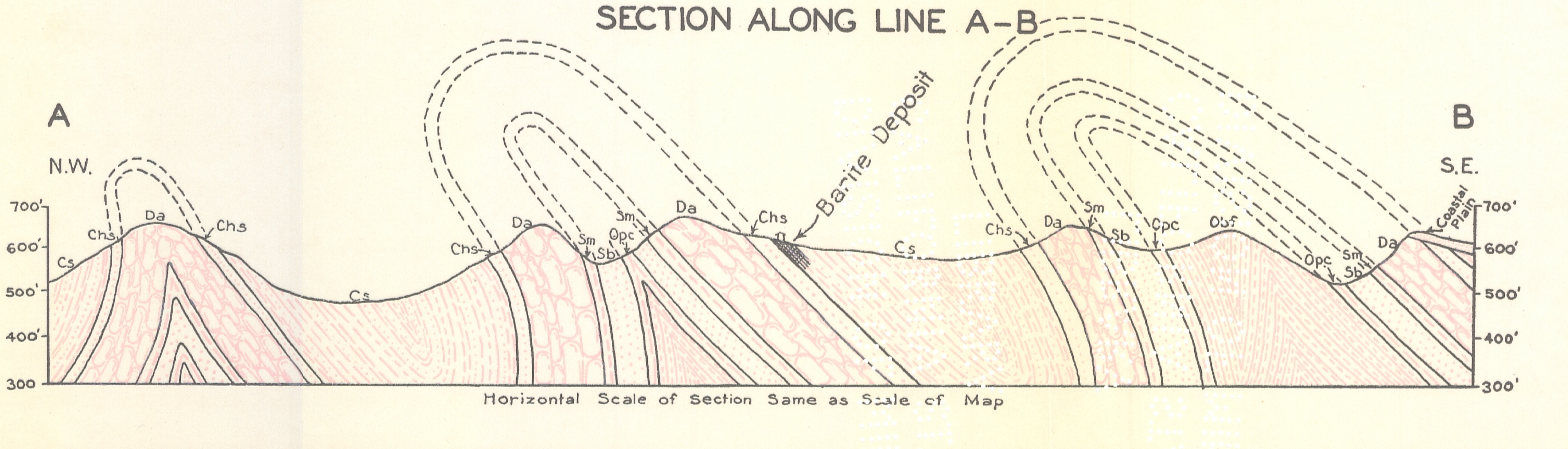
Metamorphic (*Shale, Sandstone, and Novaculite*)

Barite Deposit
Shaft
Building

Improved and Unimproved Roads
Anticline
Syncline
60° Dip and Strike Symbol

CALIFORNIA STATE ... MINES
LIBRARY

SECTION ALONG LINE A-B


A
B
N.W.
S.E.
700'
600'
500'
400'
300
Cs
Chs
Da
Chs
Cs
Chs
Sm
Opc
Sb
Da
Chs
Barite Deposit
Cs
Chs
Sm
Sb
Opc
Obf
Opc
Sm
Sb
Da
Coastal Plain

Horizontal Scale of Section Same as Scale of Map

MAP SHOWING
GEOLOGY AND TOPOGRAPHY
OF
CHAMBERLAIN CREEK VALLEY AND VICINITY
HOT SPRING CO. ARK.
BY BRYAN PARKS
ARKANSAS GEOLOGICAL SURVEY

Drawn By Carl M. Blacklock

Scale
0 1/8 1/4 1/2 1 MILE

1932