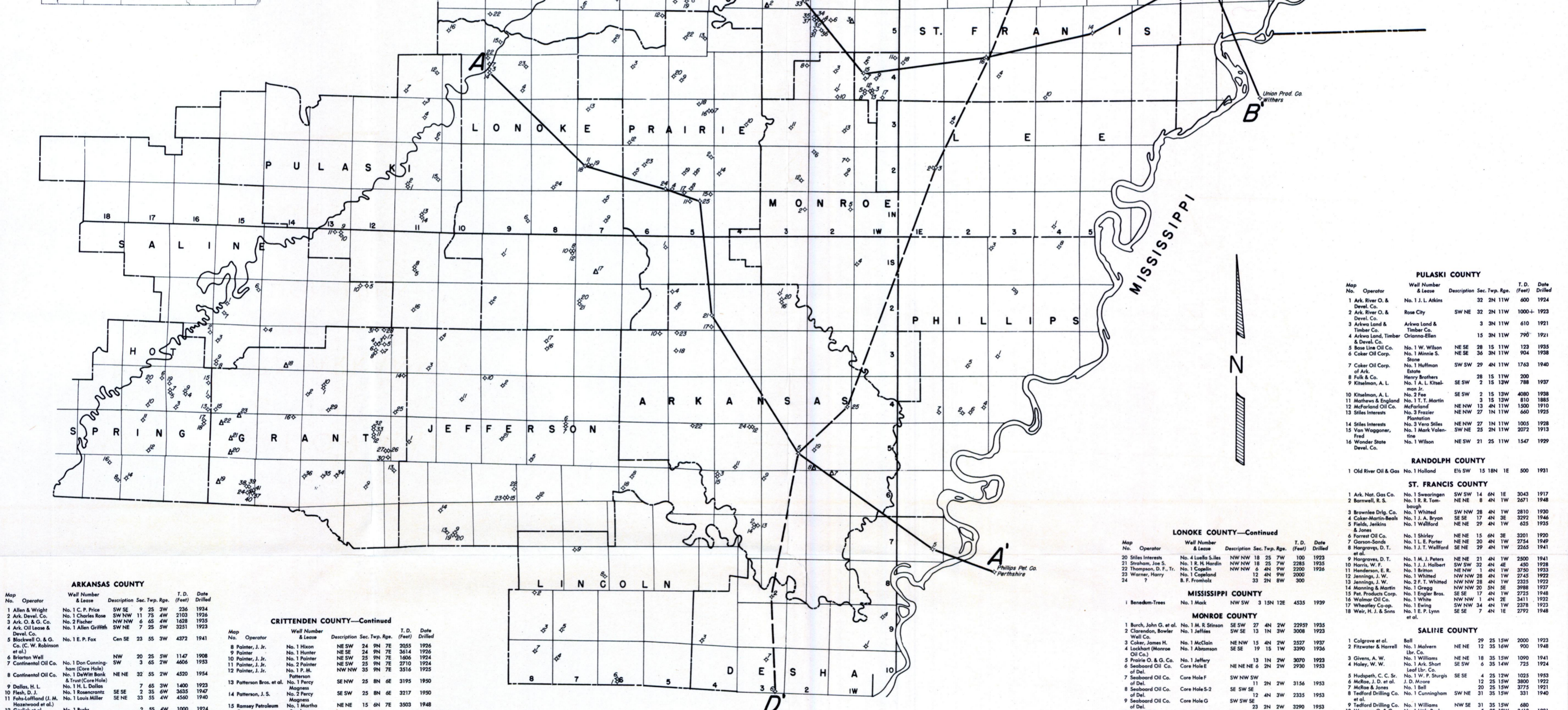
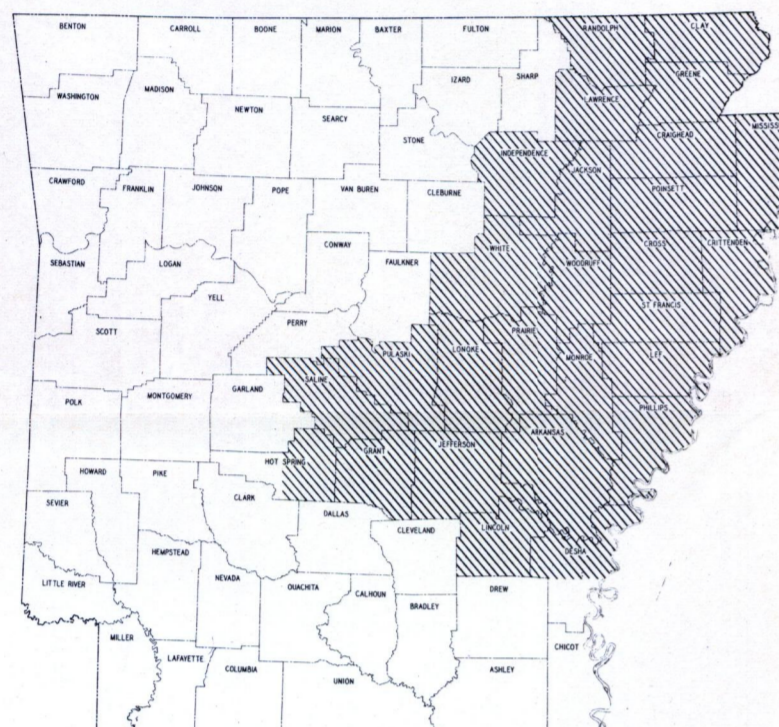
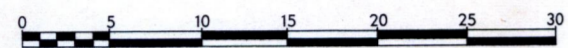


# WELL LOCATION MAP OF NORTHEASTERN ARKANSAS SHOWING CROSS SECTION LINES

By  
W. M. Caplan

SCALE IN MILES



- LEGEND**
- DRY HOLE
  - △ STRATIGRAPHIC TEST
  - DRILLING WELL
- 15 Number beside well symbol refers to the list below, and must be associated with the county for proper reference.

**ARKANSAS COUNTY**

Map No.	Operator	Well Number	Description	Sec.	Trp.	Rgn.	T.D.	Date
1	A. H. Wright	No. 1 C. P. Price	SW SE	9	25	SW	236	1924
2	A. H. Wright	No. 1 C. P. Price	SW NW	11	75	SW	232	1925
3	A. H. Wright	No. 1 C. P. Price	NW NW	6	65	SW	183	1925
4	A. H. Wright	No. 1 C. P. Price	SW SE	6	65	SW	183	1925
5	A. H. Wright	No. 1 C. P. Price	SW SE	6	65	SW	183	1925
6	A. H. Wright	No. 1 C. P. Price	SW SE	6	65	SW	183	1925
7	A. H. Wright	No. 1 C. P. Price	SW SE	6	65	SW	183	1925
8	A. H. Wright	No. 1 C. P. Price	SW SE	6	65	SW	183	1925
9	A. H. Wright	No. 1 C. P. Price	SW SE	6	65	SW	183	1925
10	A. H. Wright	No. 1 C. P. Price	SW SE	6	65	SW	183	1925
11	A. H. Wright	No. 1 C. P. Price	SW SE	6	65	SW	183	1925
12	A. H. Wright	No. 1 C. P. Price	SW SE	6	65	SW	183	1925
13	A. H. Wright	No. 1 C. P. Price	SW SE	6	65	SW	183	1925
14	A. H. Wright	No. 1 C. P. Price	SW SE	6	65	SW	183	1925
15	A. H. Wright	No. 1 C. P. Price	SW SE	6	65	SW	183	1925
16	A. H. Wright	No. 1 C. P. Price	SW SE	6	65	SW	183	1925
17	A. H. Wright	No. 1 C. P. Price	SW SE	6	65	SW	183	1925
18	A. H. Wright	No. 1 C. P. Price	SW SE	6	65	SW	183	1925
19	A. H. Wright	No. 1 C. P. Price	SW SE	6	65	SW	183	1925
20	A. H. Wright	No. 1 C. P. Price	SW SE	6	65	SW	183	1925
21	A. H. Wright	No. 1 C. P. Price	SW SE	6	65	SW	183	1925
22	A. H. Wright	No. 1 C. P. Price	SW SE	6	65	SW	183	1925
23	A. H. Wright	No. 1 C. P. Price	SW SE	6	65	SW	183	1925
24	A. H. Wright	No. 1 C. P. Price	SW SE	6	65	SW	183	1925
25	A. H. Wright	No. 1 C. P. Price	SW SE	6	65	SW	183	1925

**CRITTENDEN COUNTY—Continued**

Map No.	Operator	Well Number	Description	Sec.	Trp.	Rgn.	T.D.	Date
1	Palmer, J. J.	No. 1 Hixon	NE SW	24	78	SE	2055	1926
2	Palmer, J. J.	No. 1 Hixon	NE SE	24	78	SE	2055	1926
3	Palmer, J. J.	No. 1 Hixon	NE SW	25	78	SE	2055	1926
4	Palmer, J. J.	No. 1 Hixon	NE SW	25	78	SE	2055	1926
5	Palmer, J. J.	No. 1 Hixon	NE SW	25	78	SE	2055	1926
6	Palmer, J. J.	No. 1 Hixon	NE SW	25	78	SE	2055	1926
7	Palmer, J. J.	No. 1 Hixon	NE SW	25	78	SE	2055	1926
8	Palmer, J. J.	No. 1 Hixon	NE SW	25	78	SE	2055	1926
9	Palmer, J. J.	No. 1 Hixon	NE SW	25	78	SE	2055	1926
10	Palmer, J. J.	No. 1 Hixon	NE SW	25	78	SE	2055	1926
11	Palmer, J. J.	No. 1 Hixon	NE SW	25	78	SE	2055	1926
12	Palmer, J. J.	No. 1 Hixon	NE SW	25	78	SE	2055	1926
13	Palmer, J. J.	No. 1 Hixon	NE SW	25	78	SE	2055	1926
14	Palmer, J. J.	No. 1 Hixon	NE SW	25	78	SE	2055	1926
15	Palmer, J. J.	No. 1 Hixon	NE SW	25	78	SE	2055	1926
16	Palmer, J. J.	No. 1 Hixon	NE SW	25	78	SE	2055	1926
17	Palmer, J. J.	No. 1 Hixon	NE SW	25	78	SE	2055	1926
18	Palmer, J. J.	No. 1 Hixon	NE SW	25	78	SE	2055	1926
19	Palmer, J. J.	No. 1 Hixon	NE SW	25	78	SE	2055	1926
20	Palmer, J. J.	No. 1 Hixon	NE SW	25	78	SE	2055	1926
21	Palmer, J. J.	No. 1 Hixon	NE SW	25	78	SE	2055	1926
22	Palmer, J. J.	No. 1 Hixon	NE SW	25	78	SE	2055	1926
23	Palmer, J. J.	No. 1 Hixon	NE SW	25	78	SE	2055	1926
24	Palmer, J. J.	No. 1 Hixon	NE SW	25	78	SE	2055	1926
25	Palmer, J. J.	No. 1 Hixon	NE SW	25	78	SE	2055	1926

**CROSS COUNTY**

Map No.	Operator	Well Number	Description	Sec.	Trp.	Rgn.	T.D.	Date
1	Cross Oil Co.	No. 1 Biley Smith	NW NW	23	7N	SE	2548	1922
2	Cross Oil Co.	No. 1 Biley Smith	NW NW	23	7N	SE	2548	1922
3	Cross Oil Co.	No. 1 Biley Smith	NW NW	23	7N	SE	2548	1922
4	Cross Oil Co.	No. 1 Biley Smith	NW NW	23	7N	SE	2548	1922
5	Cross Oil Co.	No. 1 Biley Smith	NW NW	23	7N	SE	2548	1922
6	Cross Oil Co.	No. 1 Biley Smith	NW NW	23	7N	SE	2548	1922
7	Cross Oil Co.	No. 1 Biley Smith	NW NW	23	7N	SE	2548	1922
8	Cross Oil Co.	No. 1 Biley Smith	NW NW	23	7N	SE	2548	1922
9	Cross Oil Co.	No. 1 Biley Smith	NW NW	23	7N	SE	2548	1922
10	Cross Oil Co.	No. 1 Biley Smith	NW NW	23	7N	SE	2548	1922
11	Cross Oil Co.	No. 1 Biley Smith	NW NW	23	7N	SE	2548	1922
12	Cross Oil Co.	No. 1 Biley Smith	NW NW	23	7N	SE	2548	1922
13	Cross Oil Co.	No. 1 Biley Smith	NW NW	23	7N	SE	2548	1922
14	Cross Oil Co.	No. 1 Biley Smith	NW NW	23	7N	SE	2548	1922
15	Cross Oil Co.	No. 1 Biley Smith	NW NW	23	7N	SE	2548	1922
16	Cross Oil Co.	No. 1 Biley Smith	NW NW	23	7N	SE	2548	1922
17	Cross Oil Co.	No. 1 Biley Smith	NW NW	23	7N	SE	2548	1922
18	Cross Oil Co.	No. 1 Biley Smith	NW NW	23	7N	SE	2548	1922
19	Cross Oil Co.	No. 1 Biley Smith	NW NW	23	7N	SE	2548	1922
20	Cross Oil Co.	No. 1 Biley Smith	NW NW	23	7N	SE	2548	1922
21	Cross Oil Co.	No. 1 Biley Smith	NW NW	23	7N	SE	2548	1922
22	Cross Oil Co.	No. 1 Biley Smith	NW NW	23	7N	SE	2548	1922
23	Cross Oil Co.	No. 1 Biley Smith	NW NW	23	7N	SE	2548	1922
24	Cross Oil Co.	No. 1 Biley Smith	NW NW	23	7N	SE	2548	1922
25	Cross Oil Co.	No. 1 Biley Smith	NW NW	23	7N	SE	2548	1922

**GRANT COUNTY—Continued**

Map No.	Operator	Well Number	Description	Sec.	Trp.	Rgn.	T.D.	Date
1	Grant Oil Co.	No. 1 J. P. Price	SW SE	9	25	SW	236	1924
2	Grant Oil Co.	No. 1 J. P. Price	SW NW	11	75	SW	232	1925
3	Grant Oil Co.	No. 1 J. P. Price	NW NW	6	65	SW	183	1925
4	Grant Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
5	Grant Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
6	Grant Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
7	Grant Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
8	Grant Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
9	Grant Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
10	Grant Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
11	Grant Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
12	Grant Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
13	Grant Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
14	Grant Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
15	Grant Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
16	Grant Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
17	Grant Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
18	Grant Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
19	Grant Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
20	Grant Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
21	Grant Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
22	Grant Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
23	Grant Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
24	Grant Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
25	Grant Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925

**INDEPENDENCE COUNTY—Continued**

Map No.	Operator	Well Number	Description	Sec.	Trp.	Rgn.	T.D.	Date
1	Independence Oil Co.	No. 1 J. P. Price	SW SE	9	25	SW	236	1924
2	Independence Oil Co.	No. 1 J. P. Price	SW NW	11	75	SW	232	1925
3	Independence Oil Co.	No. 1 J. P. Price	NW NW	6	65	SW	183	1925
4	Independence Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
5	Independence Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
6	Independence Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
7	Independence Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
8	Independence Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
9	Independence Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
10	Independence Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
11	Independence Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
12	Independence Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
13	Independence Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
14	Independence Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
15	Independence Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
16	Independence Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
17	Independence Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
18	Independence Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
19	Independence Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
20	Independence Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
21	Independence Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
22	Independence Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
23	Independence Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
24	Independence Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925
25	Independence Oil Co.	No. 1 J. P. Price	SW SE	6	65	SW	183	1925

**JACKSON COUNTY**

Map No.	Operator	Well Number	Description	Sec.	Trp.	Rgn.	T.D.	Date
1	Jackson Oil Co.	No. 1 J. P. Price	SW SE	9	25	SW	236	





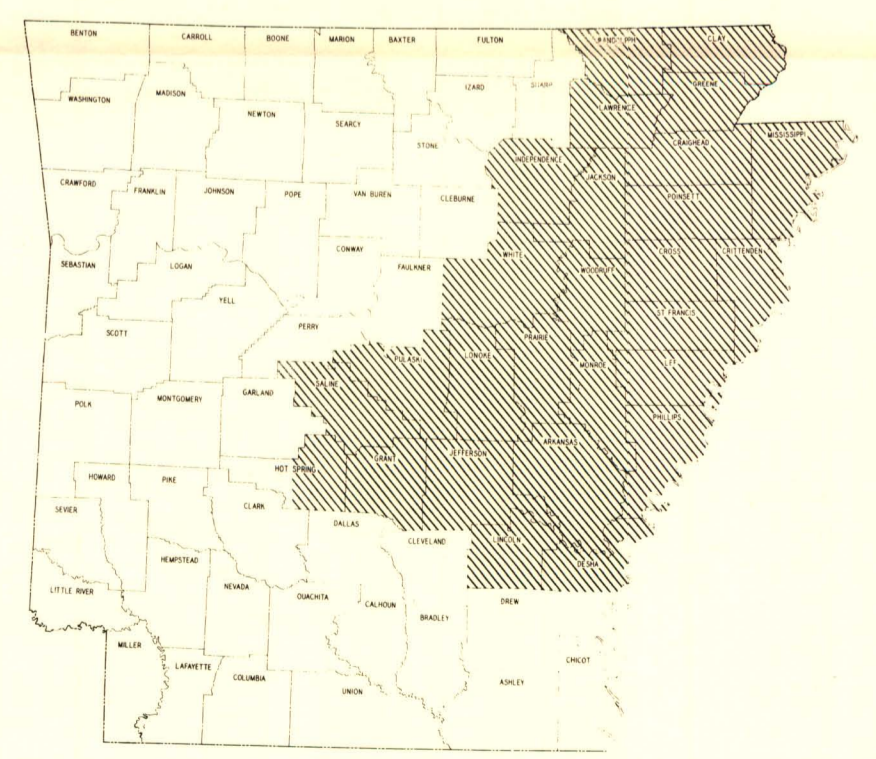
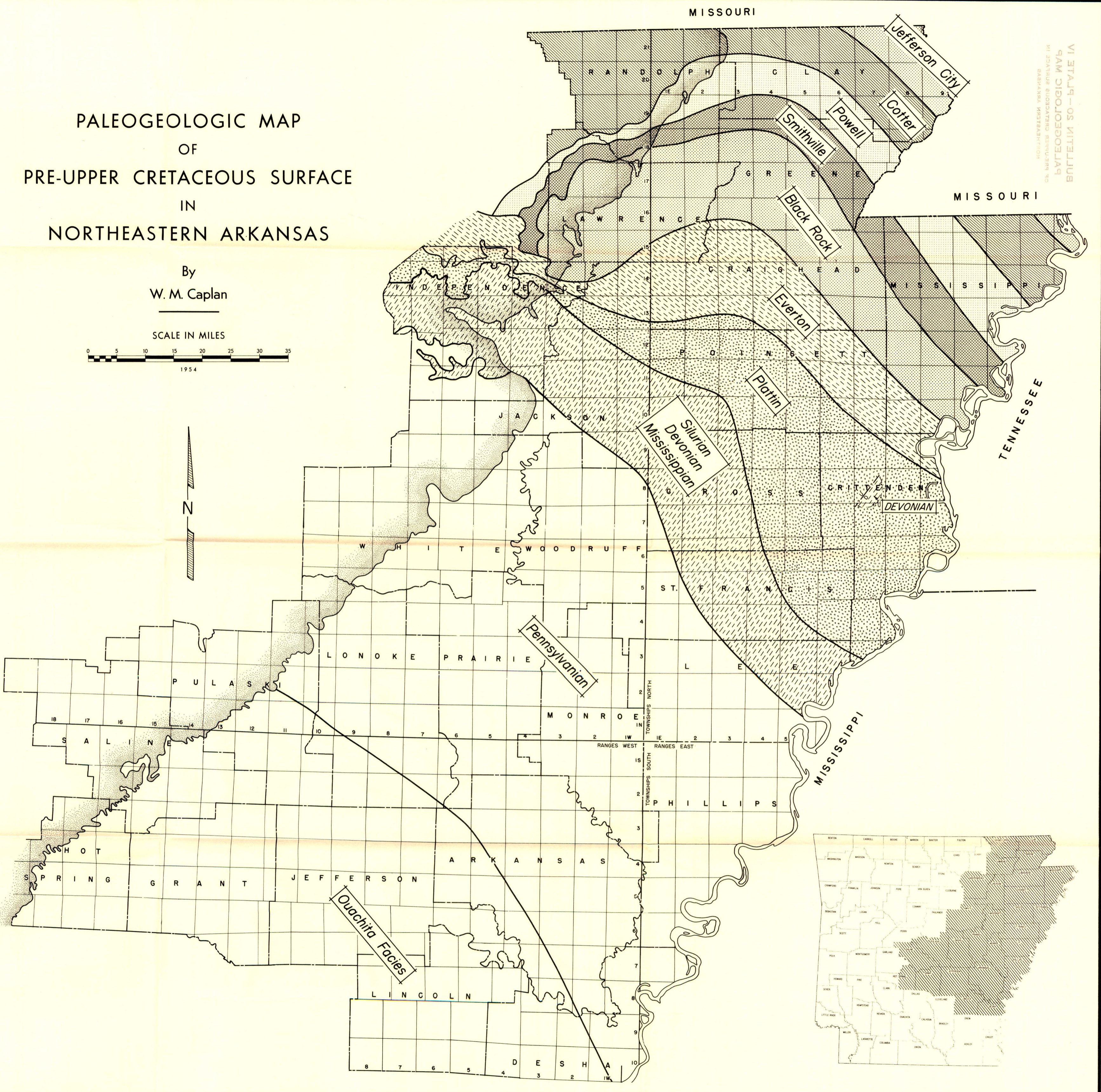
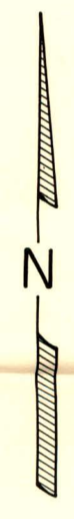






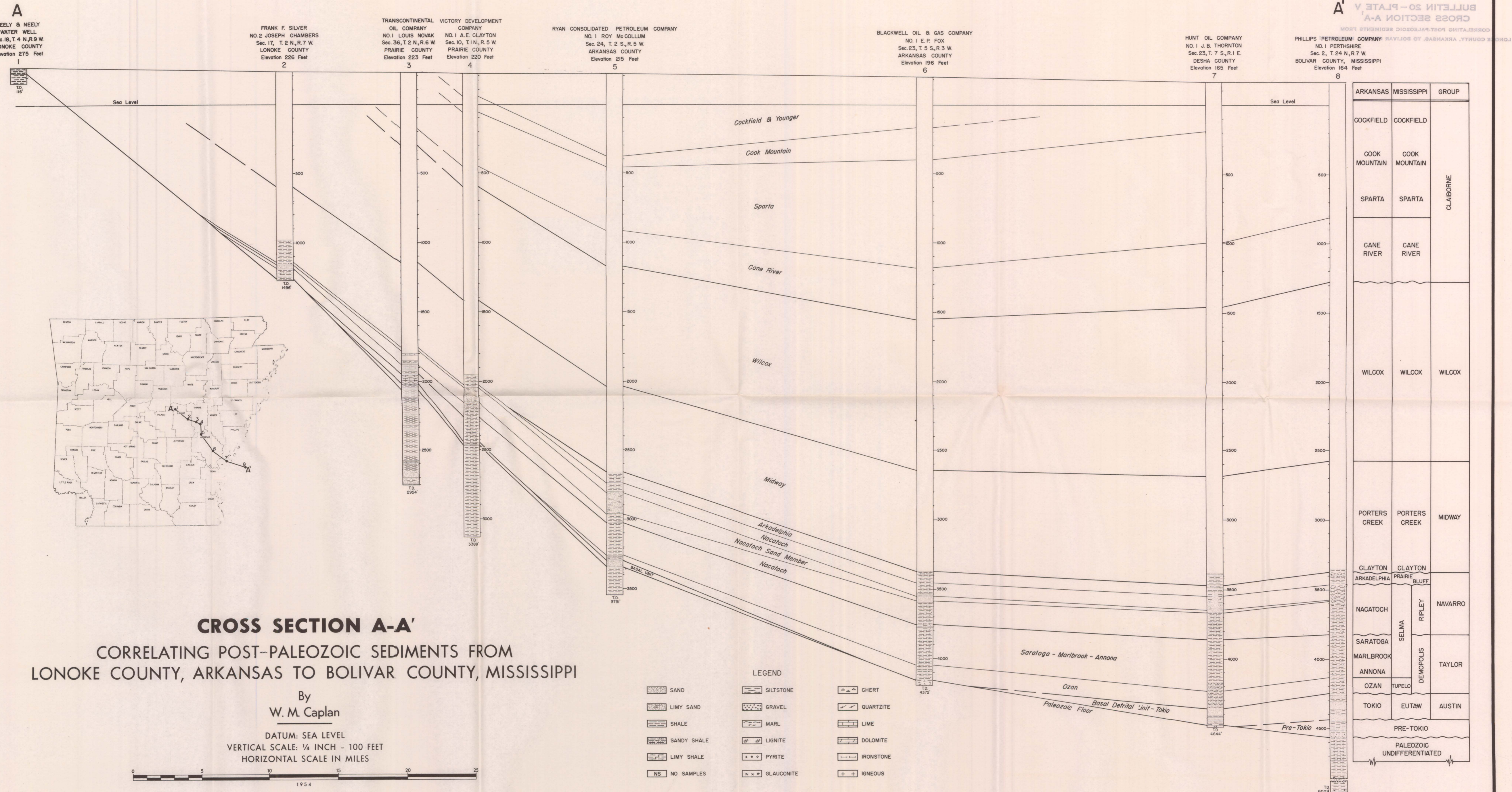
# PALEOGEOLOGIC MAP OF PRE-UPPER CRETACEOUS SURFACE IN NORTHEASTERN ARKANSAS

By  
W. M. Caplan



ПОСЛАВЕЛЕСИ УНИКУРЕ  
СА АРКАНСАС ОБЛАСТЕТО АРКАНСАС  
ПАЛЕОГЕОЛОГИЧЕСКАЯ  
КАРТА ПОСЛАВЕЛЕСИ УНИКУРЕ



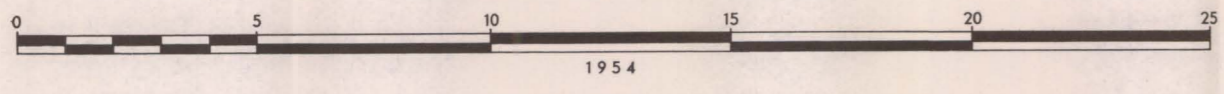


**CROSS SECTION A-A'**  
CORRELATING POST-PALEOZOIC SEDIMENTS FROM  
LONOKE COUNTY, ARKANSAS TO BOLIVAR COUNTY, MISSISSIPPI

By  
**W. M. Caplan**  
DATUM: SEA LEVEL  
VERTICAL SCALE: 1/4 INCH = 100 FEET  
HORIZONTAL SCALE IN MILES

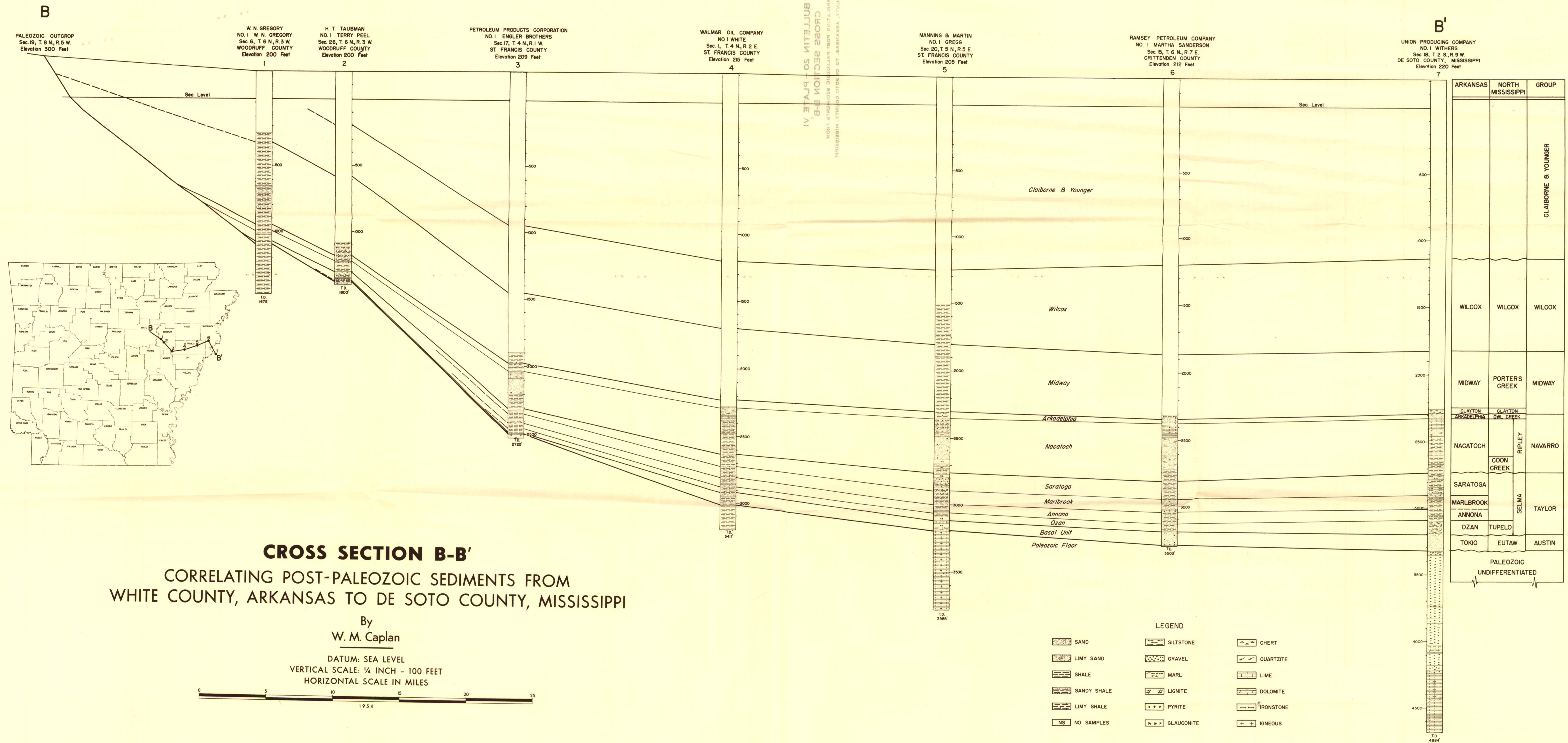
- LEGEND
- SAND
  - LIMY SAND
  - SHALE
  - SANDY SHALE
  - LIMY SHALE
  - NS NO SAMPLES
  - SILTSTONE
  - GRAVEL
  - MARL
  - LIGNITE
  - PYRITE
  - GLAUCONITE
  - CHERT
  - QUARTZITE
  - LIME
  - DOLOMITE
  - IRONSTONE
  - IGNEOUS

ARKANSAS	MISSISSIPPI	GROUP
COCKFIELD	COCKFIELD	CLAIBORNE
COOK MOUNTAIN	COOK MOUNTAIN	
SPARTA	SPARTA	
CANE RIVER	CANE RIVER	WILCOX
WILCOX	WILCOX	
PORTERS CREEK	PORTERS CREEK	MIDWAY
CLAYTON	CLAYTON	NAVARRO
ARKADELPHIA	PRAIRIE BLUFF	
NACATOCH	SELMA	TAYLOR
SARATOGA	DEMOPOLIS	
MARLBROOK	TUPELO	AUSTIN
ANNONA	EUTAW	
OZAN		PRE-TOKIO
TOKIO		PALEOZOIC UNDIFFERENTIATED



1954





**B**  
PALEOZOIC OUTCROP  
Sec. 19, T. 8 N., R. 5 W.  
Elevation 300 Feet

1  
W. N. GREGORY  
NO. 1 W. N. GREGORY  
Sec. 6, T. 6 N., R. 3 W.  
WOODRUFF COUNTY  
Elevation 200 Feet

2  
H. T. TAUBMAN  
NO. 1 TERRY PEEL  
Sec. 26, T. 6 N., R. 3 W.  
WOODRUFF COUNTY  
Elevation 200 Feet

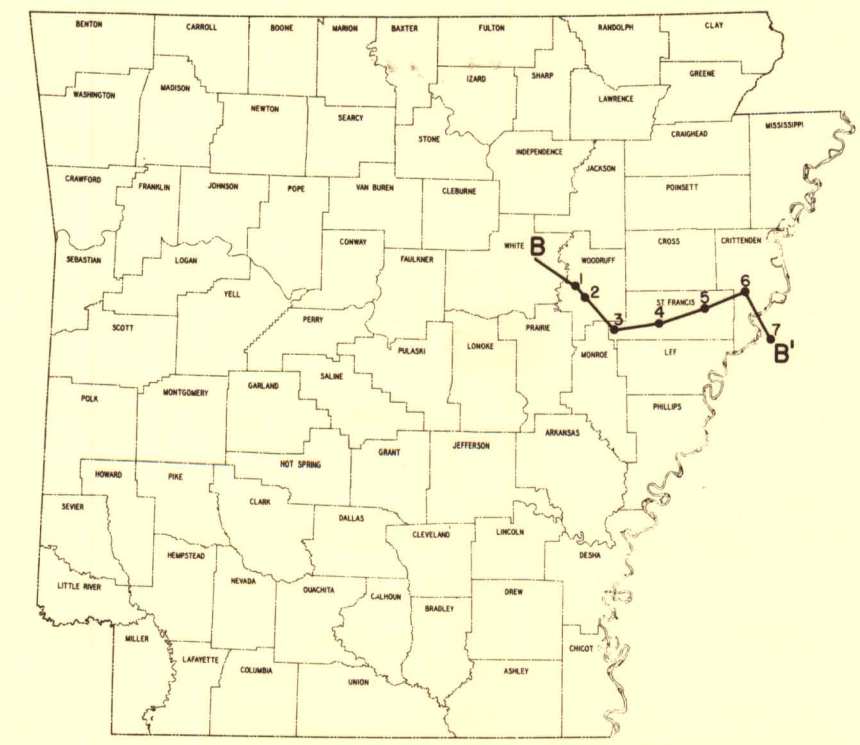
3  
PETROLEUM PRODUCTS CORPORATION  
NO. 1 ENGLER BROTHERS  
Sec. 17, T. 4 N., R. 1 W.  
ST. FRANCIS COUNTY  
Elevation 209 Feet

4  
WALMAR OIL COMPANY  
NO. 1 WHITE  
Sec. 1, T. 4 N., R. 2 E.  
ST. FRANCIS COUNTY  
Elevation 215 Feet

5  
MANNING & MARTIN  
NO. 1 GREGG  
Sec. 20, T. 5 N., R. 5 E.  
ST. FRANCIS COUNTY  
Elevation 205 Feet

6  
RAMSEY PETROLEUM COMPANY  
NO. 1 MARTHA SANDERSON  
Sec. 15, T. 6 N., R. 7 E.  
CRITTENDEN COUNTY  
Elevation 212 Feet

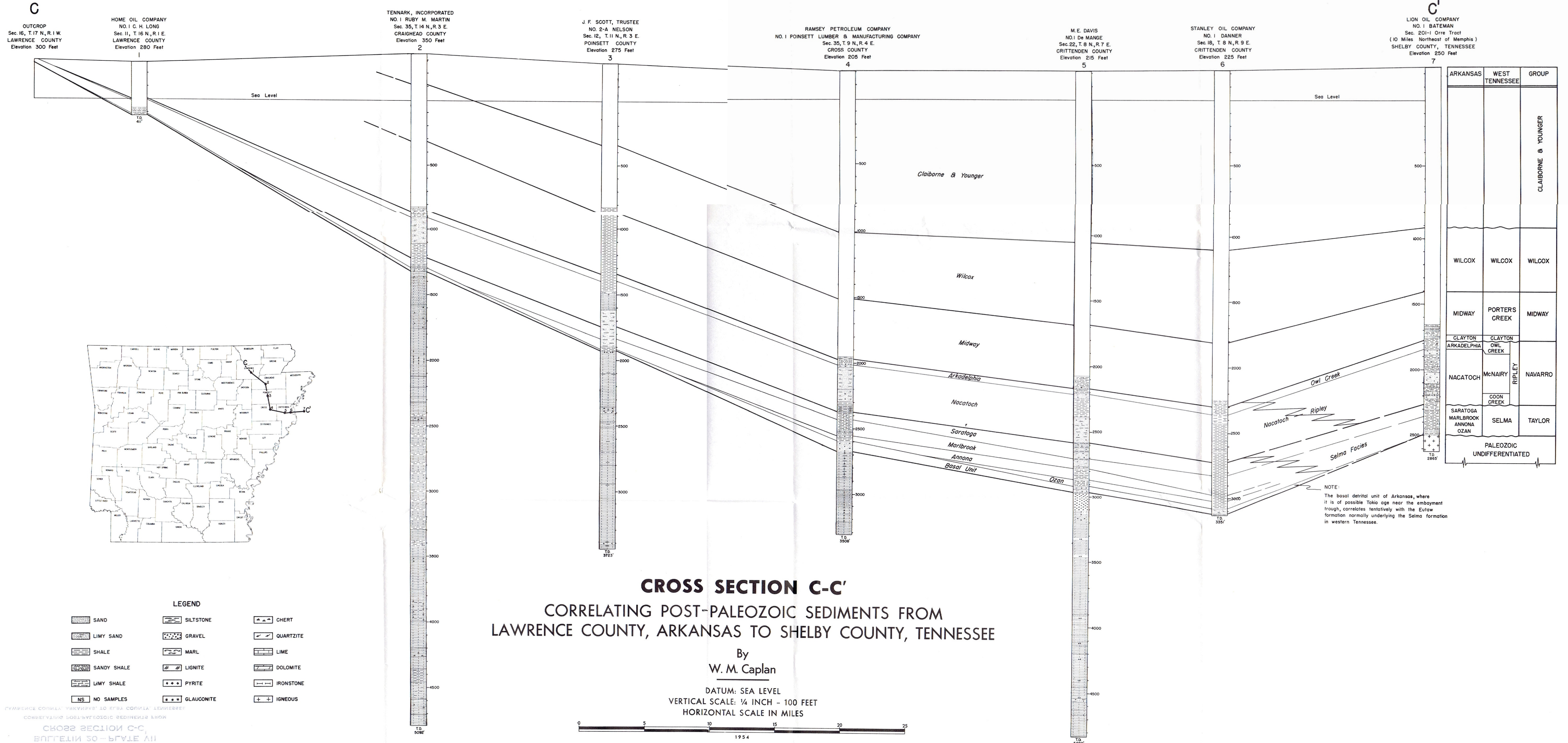
**B'**  
UNION PRODUCING COMPANY  
NO. 1 WITHERS  
Sec. 18, T. 2 S., R. 9 W.  
DE SOTO COUNTY, MISSISSIPPI  
Elevation 220 Feet



ARKANSAS	NORTH MISSISSIPPI	GROUP
		CLAIBORNE & YOUNGER
		WILCOX
MIDWAY	PORTERS CREEK	MIDWAY
NACATOCH	CLAYTON OWL CREEK	NAVARRO
SARATOGA	COON CREEK	
MARLBROOK		TAYLOR
ANNOA		
OZAN	TUPELO	
TOKIO	EUTAW	AUSTIN
PALEOZOIC UNDIFFERENTIATED		

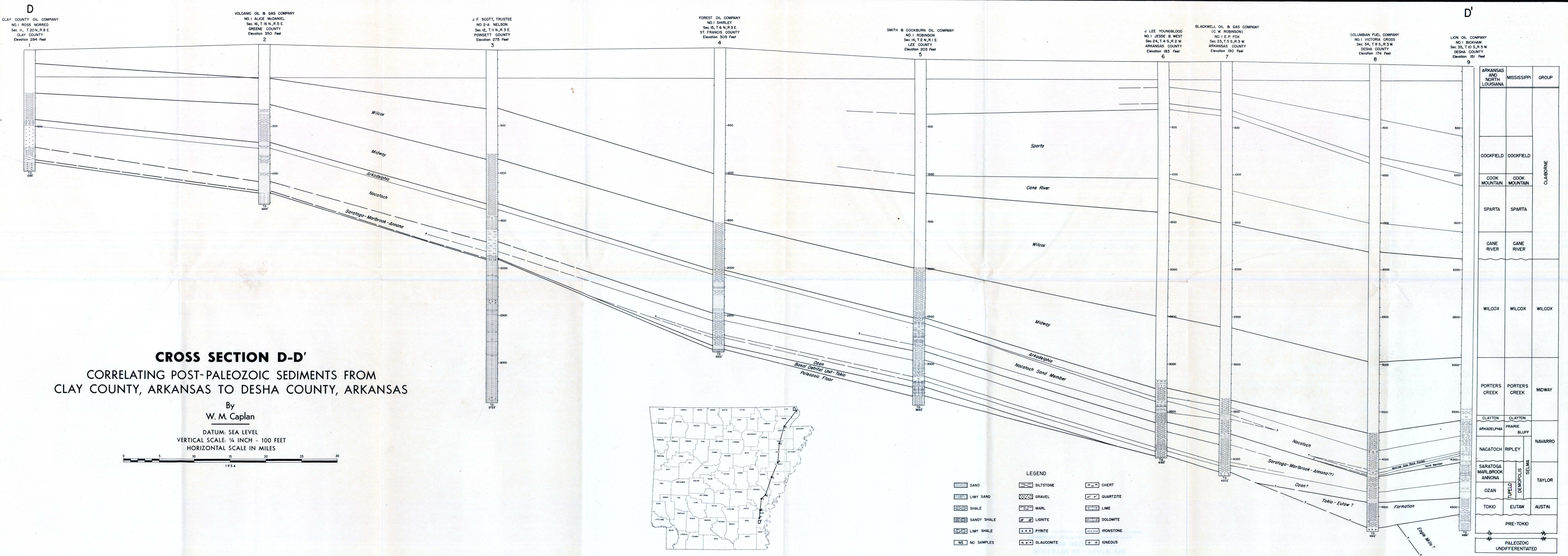
WHITE COUNTY, ARKANSAS TO DE SOTO COUNTY, MISSISSIPPI  
 CORRELATING POST-PALEOZOIC SEDIMENTS FROM  
 BULLETIN 20 - PLATE VI



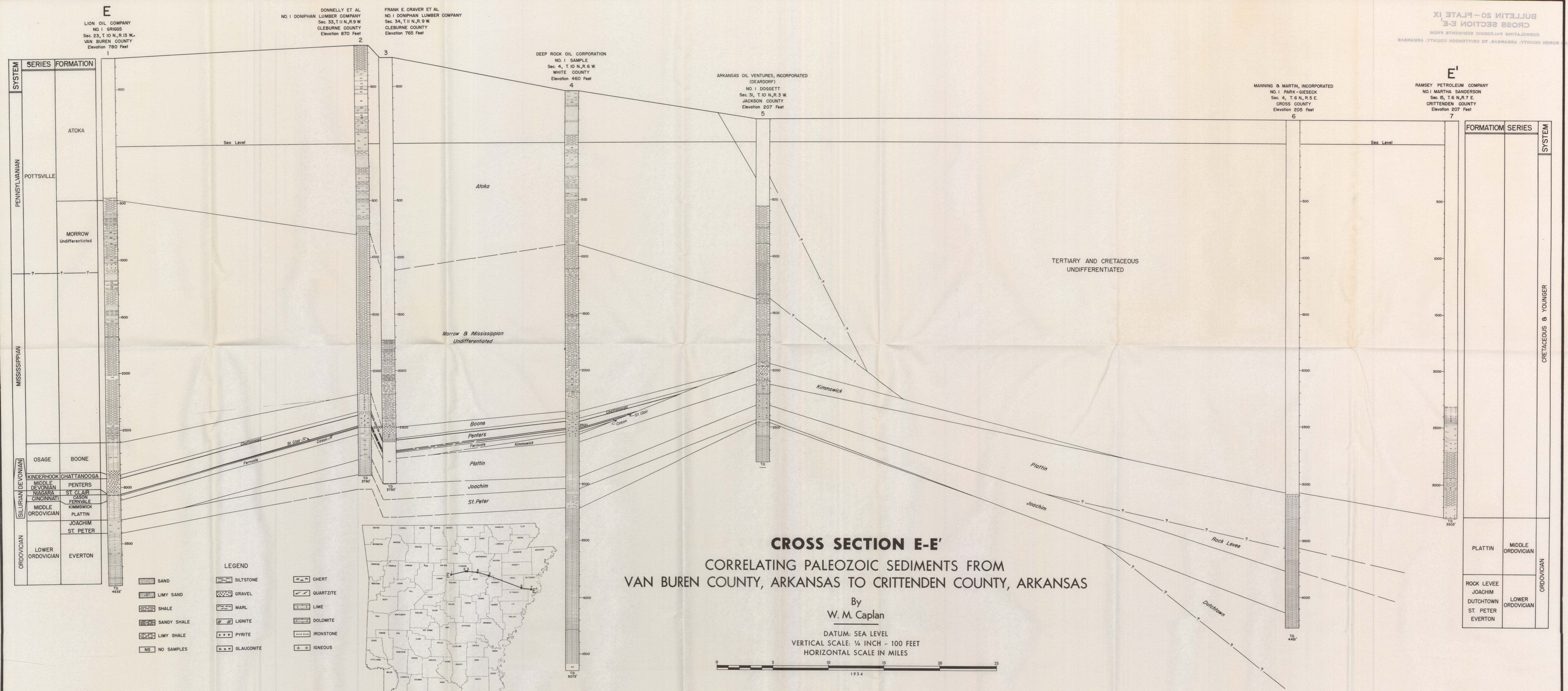


СROSS SECTION C-C',  
BULLETIN 20 - PLATE VII





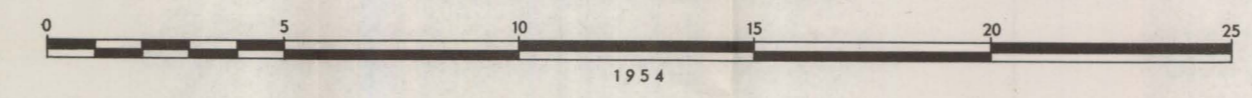




**CROSS SECTION E-E'**  
CORRELATING PALEOZOIC SEDIMENTS FROM  
VAN BUREN COUNTY, ARKANSAS TO CRITTENDEN COUNTY, ARKANSAS

By  
**W. M. Caplan**

DATUM: SEA LEVEL  
VERTICAL SCALE: 1/4 INCH = 100 FEET  
HORIZONTAL SCALE IN MILES



BULLETIN 20 - PLATE IX  
CROSS SECTION E-E'  
CORRELATING PALEOZOIC SEDIMENTS FROM  
VAN BUREN COUNTY, ARKANSAS TO CRITTENDEN COUNTY, ARKANSAS

FORMATION	SERIES	SYSTEM
ATOKA		PENNSYLVANIAN
POTTSVILLE		
MORROW	Undifferentiated	MISSISSIPPIAN
BOONE		SILURIAN DEVONIAN
CHATTANOOGA		
PENTERS		
ST. CLAIR		
CASSON		
FERNVALE		
KIMMSWICK		
PLATTIN		MIDDLE ORDOVICIAN
JOACHIM		ORDOVICIAN
ST. PETER		
EVERTON		
LOWER ORDOVICIAN		
PLATTIN	MIDDLE ORDOVICIAN	ORDOVICIAN
ROCK LEVEE		
JOACHIM		
DUTCHTOWN	LOWER ORDOVICIAN	
ST. PETER		ORDOVICIAN
EVERTON		
		CRETACEOUS & YOUNGER