

A

MESKER DRILLING CO.
MILLER NO. 1
SE. SE. NW. 24-28N-17E. NE. SE. NE. 29-28N-18E.

Z.W. DEAN
TRITTHART NO. 1
SE. NE. SE. 22-28N-18E. NW. NW. SW. 19-28N-19E.

MESKER DRILLING CO.
HUGGINS NO. 1
SE. NE. SE. 22-28N-18E. NW. NW. SW. 19-28N-19E.

MESKER DRILLING CO.
BEATY NO. 1
SE. NE. NW. 31-28N-20E.

FRANKFORT OIL CO.
VAN AUDDEL NO. 1
SE. NE. NW. SE. 21-28N-21E.

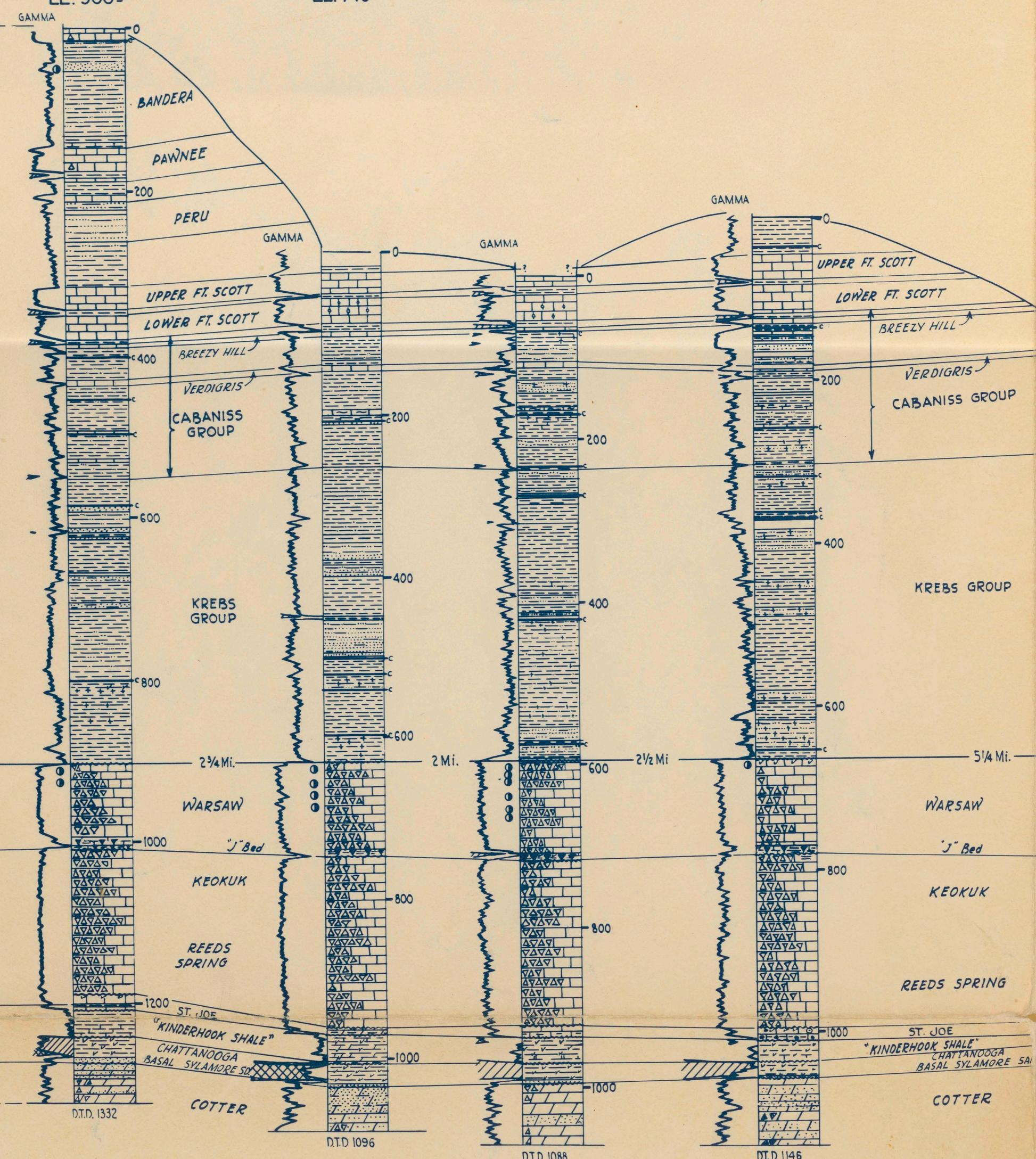
MESKER DRILLING CO.
SHEFFIELD NO. 1
SW. NW. SE. 21-28N-21E.

CITY OF MIAMI
GOODRICH RUBBER NO. 3
SW. NE. SW. 24-28N-22E.

EL. 798

EL. 855

EL. 848.9



KREBS GROUP

SP

RESISTIVITY

GAMMA

200

400

600

800

1000

1200

1400

1600

1800

2000

2200

2400

2600

2800

3000

3200

3400

3600

3800

4000

4200

4400

4600

4800

5000

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39800

40000</

B
SHELL OIL COMPANY
M. PARRIS NO. I-W
SW. 25-25N-16E.
EL. 622

H. L. LEAK
COX NO. I-A
29-26N-18E.
EL. 800±

MAJOR OIL COMPANY
CONDY NO. I
SW. NE. 27-26N-18E.
EL. 904

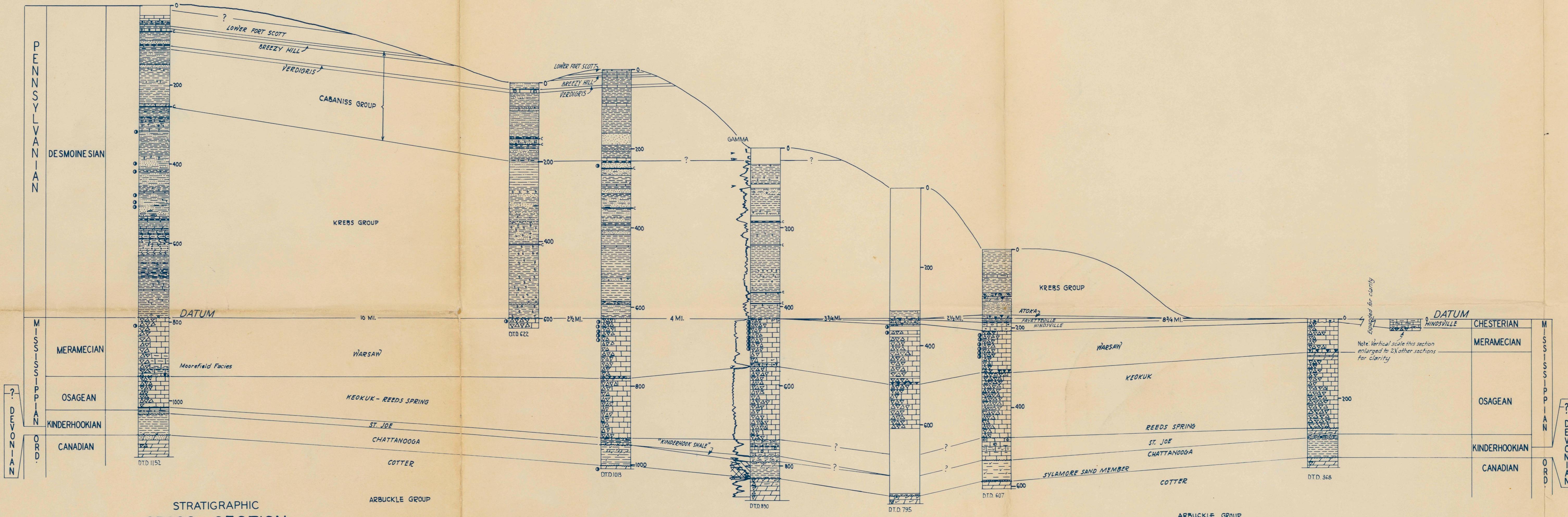
MESKER DRILLING CO.
BEISLEY NO. I
NE. NE. SW. 20-26N-19E.
EL. 767

W. D. FLOURNEY
HARPER NO. I
3-25N-19E.
EL. 725±

HYER
APPLEGATE NO. I-A
SW. SE. NE. 12-25N-19E.
EL. 710±

J. CHARLES
TUCKER NO. I
SE. SW. SE. 16-25N-21E.
EL. 745

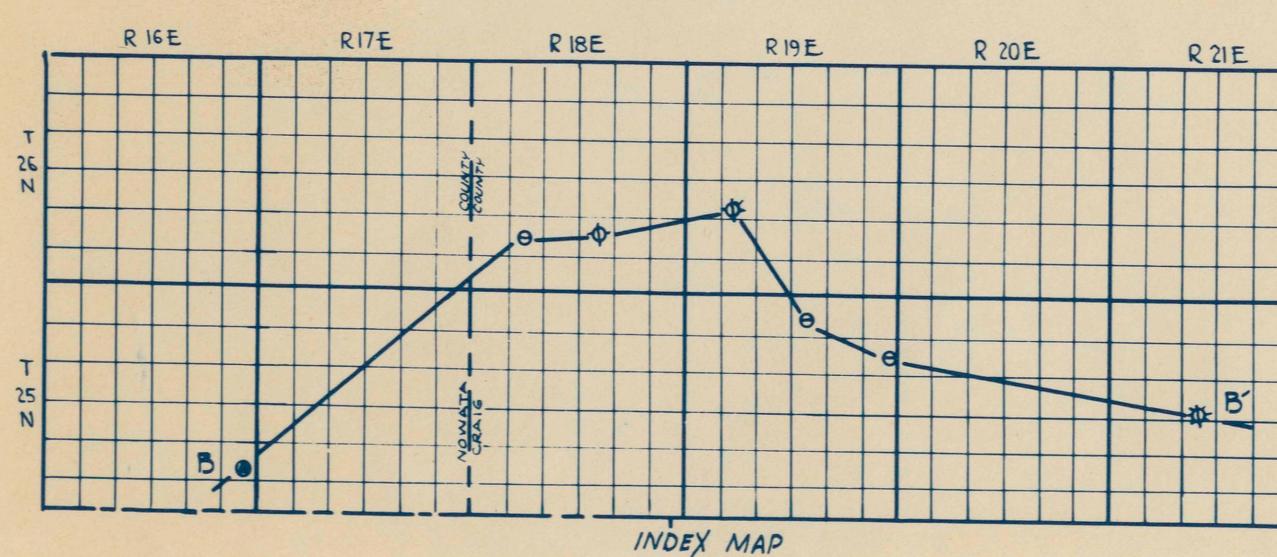
MEASURED SECTION
NO. 167
SE. 16-25N-21E.
+
EL. 745



STRATIGRAPHIC
CROSS SECTION
B - B'
DATUM: TOP MISSISSIPPAN

LEGEND

	Argillaceous LIMESTONE Silty/Sandy
	Siliceous or Cherty LIMESTONE
	Sandy/Argillaceous DOLOMITE Siliceous or Cherty
	Argillaceous SAND Calcareous
	Siltstone SHALE Calcareous
	Acidic IGNEOUS Basic
	No Samples



C

GULF OIL CORP.
W.M. SMITH NO. 1S
NE SW NW 17 - 23N - 17E.
EL. 771

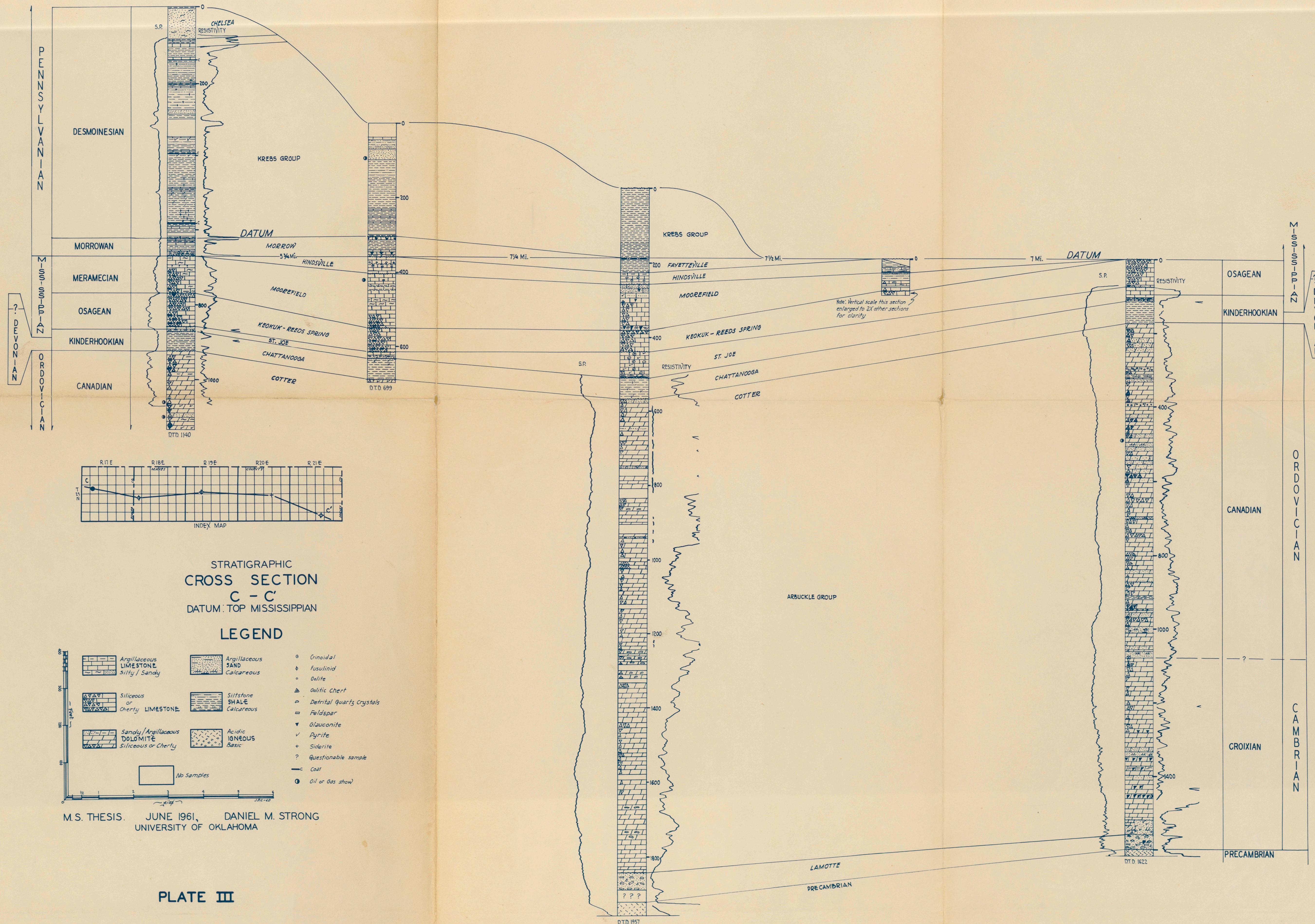
SERVICE DRILLING COMPANY
CLIFTON NO. 1
SW SW NE 19 - 23N - 18E
EL. 710±

LEE MIL LIGAN
LEE NO. 1
SE SE SE 17 - 23N - 19E
EL. 700±

MEASURED SECTION
NO. 165
SE NE NE 22 - 23N - 20E.

L. MILLER
KNIGHT NO. 1
NE SW NE 34 - 23N - 21 E.
EL. 651

C'



D

YOUNG & CARTER
STATE LIFE NO. 1
NW.NW.NW. 35-20N-16E.

EL. 600±

A.T. CAMPBELL
RUPPEL NO. 1
23-19N-17E.

EL. 610±

GARDNER
GILBERT NO. 1
NW.NW. SE. 36-20N-18E.

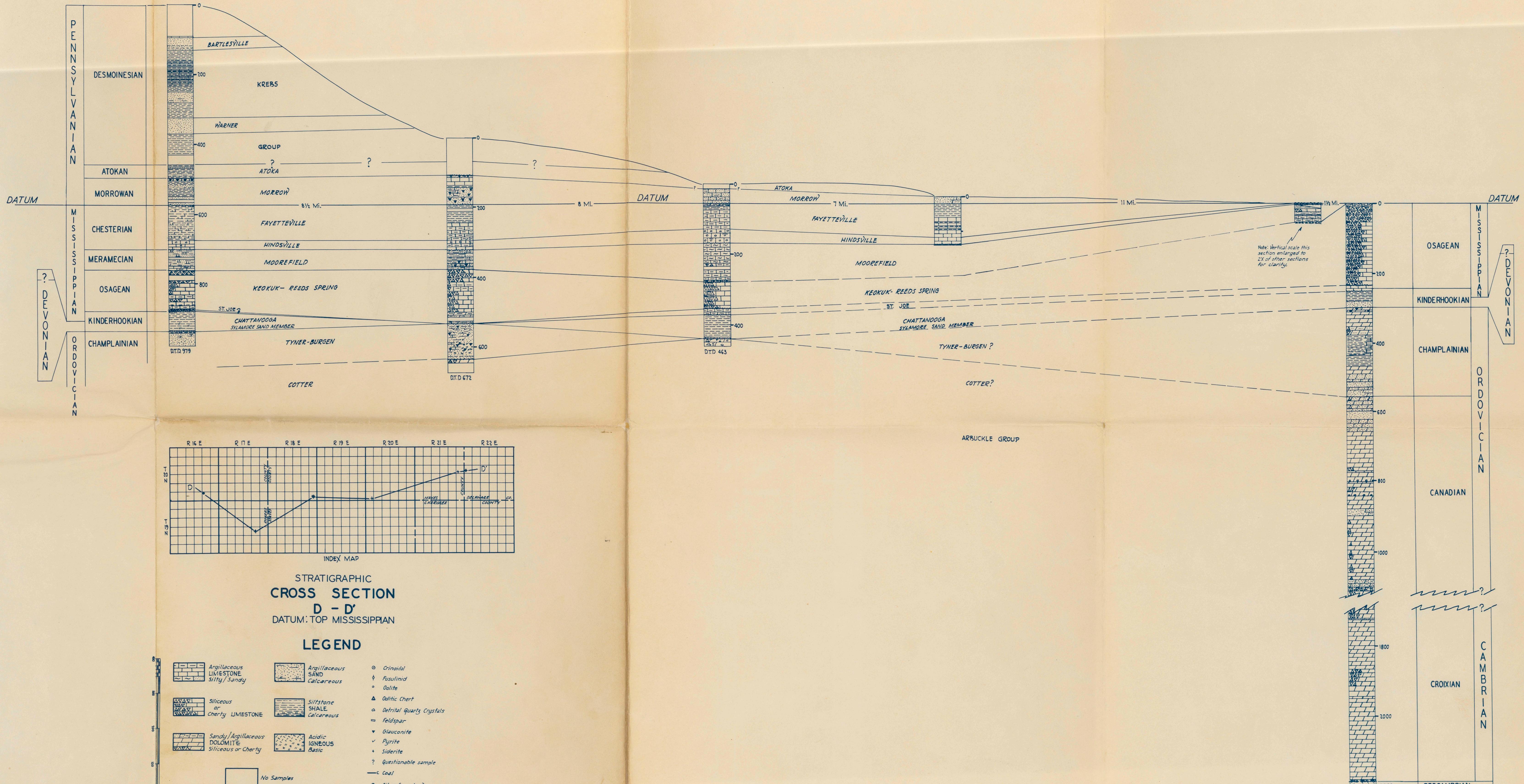
EL. 660±

MEASURED SECTION
NO. 143
SE. 31-20N-20E

+

MEASURED SECTION M.&F. OIL COMPANY
RCS NO. 1 RANSOM NO. 1
SW. SW. 13-20N-21E SW. NW. SW. 18-20N-22E.

EL. 1010±



M.S. THESIS JUNE 1961, DANIEL M. STRONG
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PLATE IV

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三

Z. W. DEAN
TRITTHART NO. 1
NE. SE. NE. 29-28N.-18E.
Φ
EL. 740±

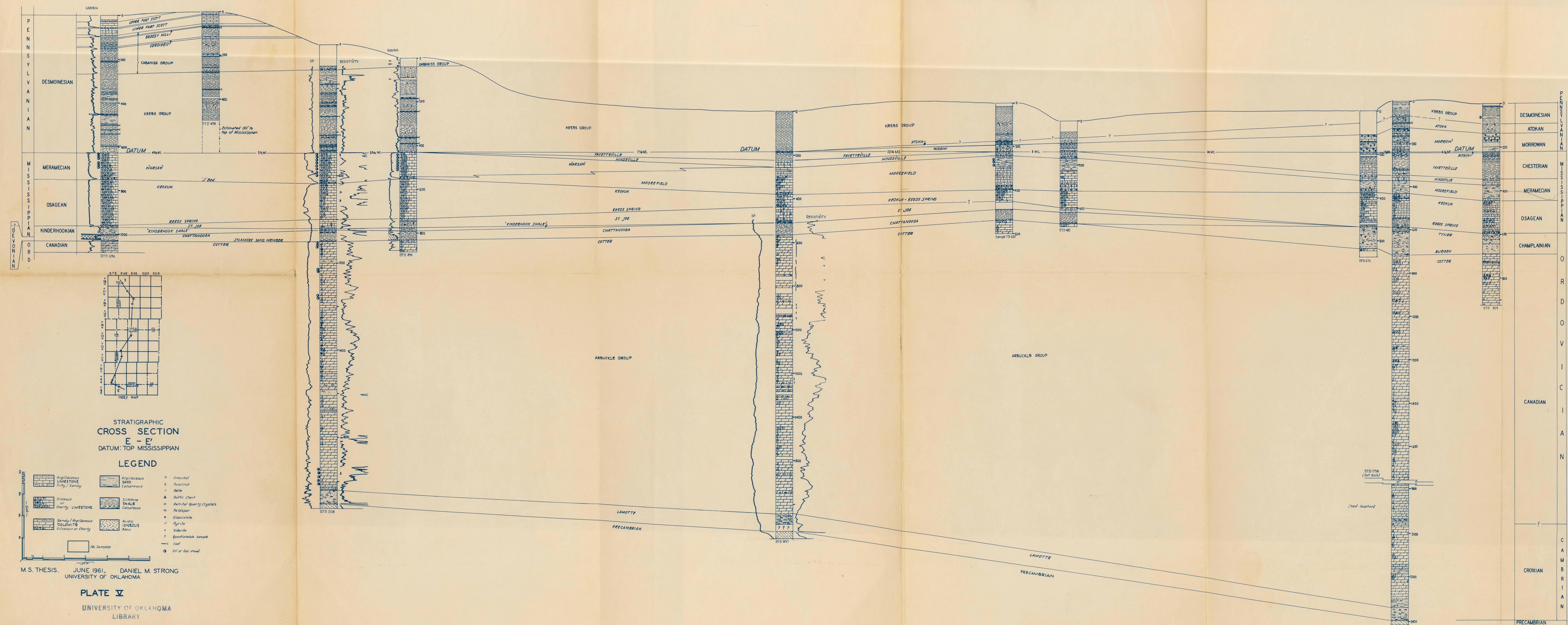
WILKERSON NO. 1
W. NE. NW. 14-27N.-18E.
EL. 813

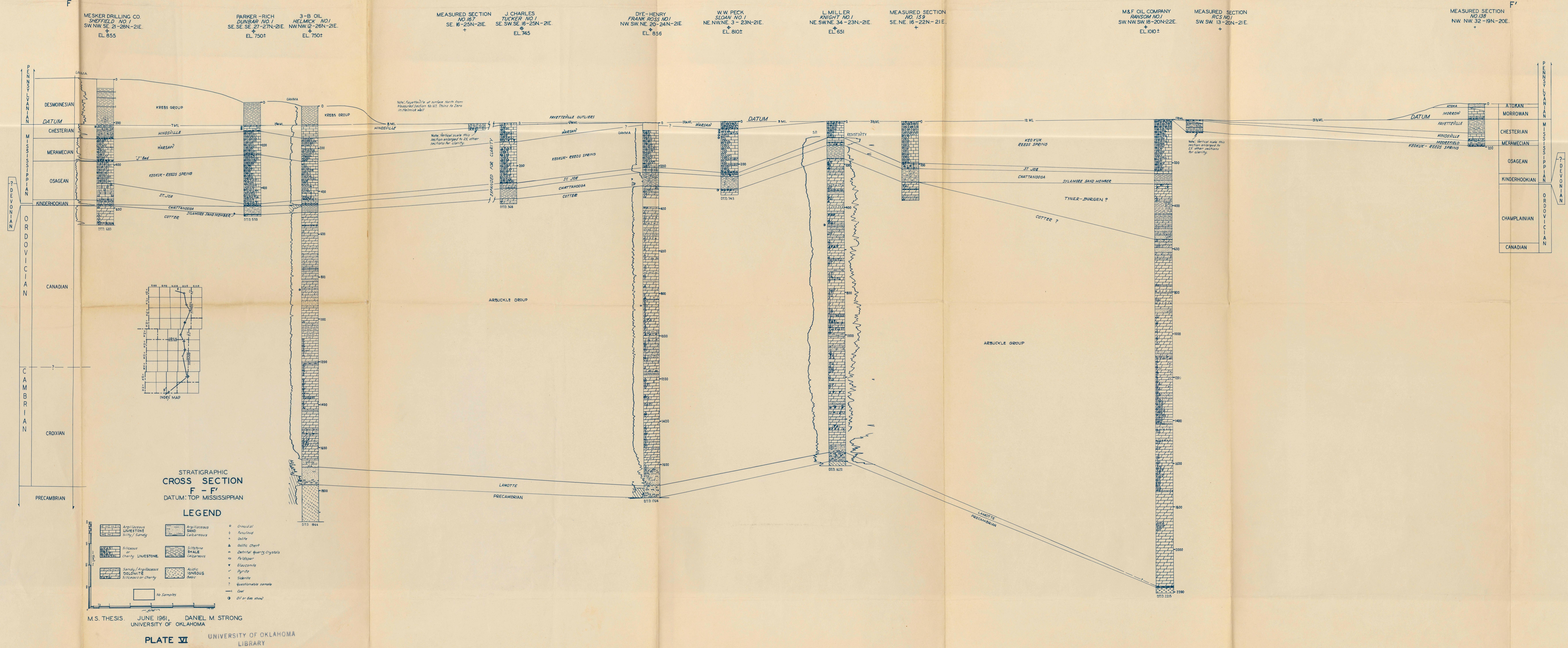
KFORT OIL CO. MESKER DRILLING CO.
UEJACKET NO. 1 BEISLEY NO. 1
NW.4-26N.-19E. NE. NE. SW. 20-26N.-19E.
EL. 835± EL. 767

EE MILLIGAN
LEE NO. 1
E. SE. 17-23N-19E.
Φ
E. 700t

E.K. MCLENNAN TROGDON NO. 1 NW. SW. NW. 33-22N.-18E. Φ EL. 675±	A.E. SUMMERS J.D. ALLEN NO. 1 NE. NE. 16-21N.-18E. Φ EL. 650±
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CAMPBELL	REED	A.T. CAMPBELL
PEL NO./ 9N.-17E.	KOENIG NO./ NW. SE. SE. 27-19N.-17E.	JOHN WELDON NO./ SW. SW. NE. 5-18N.-18E.
ϕ .610±	ϕ EL. 575±	ϕ EL. 608





EXPLANATION

QUATERNARY
PLEISTOCENE & RECENT

- Qal** Alluvium
- Qt** Terrace Deposits
- Pi** Lenpah limestone

MARMATON GROUP

- Pn** Nowata Shale
- Po** Oologah limestone
- Plb** Labelle Shale

DESMOINEAN

- Pfs** Fort Scott limestone
- Psn** Senora formation

CABANIS GROUP

- Pbg**
- Pbj** Boggy formation (Bluejacket sandstone member, Pb.)
- Psv** Savanna formation

KREBS GROUP

- Pma** McAlester formation

ATOKAN

- Pa** Atoka formation

MORROWAN

- Pm** Morrow series

MISSISSIPPIAN

- Mp** Pitkin limestone, Fayetteville shale, Batesville sandstone, Hindsville limestone & Moorefield formation
- Mb** Boone formation

DEVONIAN


- MDc** Chattanooga shale (Miss. Dev.)

ORDOVICIAN

- Os** Simpson group (Tuner formation, Burgen sandstone)
- Oc** Cotter dolomite
- pes** Spavinaw granite

PRECAMBRIAN

- Fault (Dashed where inferred)
U, upthrown side
D, downthrown side
- Anticinal axis
- Syndinal axis



GENERALIZED GEOLOGIC MAP
OF
CRAIG, MAYES AND EASTERN NOWATA AND ROGERS COUNTIES, OKLAHOMA


Modified from the GEOLOGIC MAP OF THE STATE OF OKLAHOMA by Hugh D. Miser. Structural revisions taken from the GEOLOGIC MAP OF THE STATE OF OKLAHOMA by Hugh D. Miser. Structural unpublished Master of Science theses (University of Oklahoma) by the following authors: Louie P. and Chrismann, Charles D. Claxton, William P. Gruman, Clarence Lohman, Jr., Richard S. Stringer.

0 1 2 3 4 Miles

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ISOPACH MAP "ARBUCKLE" GROUP

(BASE OF LAMOTTE TO TOP OF COTTER)

CRAIG, MAYES
AND
EASTERN NOWATA AND ROGERS COUNTIES, OKLAHOMA


CONTOUR INTERVAL = 100 FEET

0 1/2 1 2 3 4 5 6 MILES

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PLATE VIII

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
STRUCTURAL CONTOUR MAP TOP ARBUCKLE GROUP

CRAIG, MAYES
AND
EASTERN NOWATA AND ROGERS COUNTIES, OKLAHOMA

CONTOUR INTERVAL = 50 FEET

0 1/2 1 2 3 4 5 6 MILES

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ISOPACH MAP SIMPSON GROUP

CRAIG, MAYES
AND
EASTERN NOWATA AND ROGERS COUNTIES, OKLAHOMA


CONTOUR INTERVAL = 20 FEET
T 20 N R 21 E CONTOUR INTERVAL = 50 FEET


0 1/2 1 2 3 4 5 6 MILES

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ISOPACH MAP MISSISSIPPIAN SYSTEM (POST CHATTANOOGA)

CRAIG, MAYES
AND
EASTERN NOWATA AND ROGERS COUNTIES, OKLAHOMA


CONTOUR INTERVAL = 50 FEET

0 1/2 1 2 3 4 5 6 MILES

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ISOPACH MAP MORROWAN SERIES


CRAIG, MAYES
AND
EASTERN NOWATA AND ROGERS COUNTIES, OKLAHOMA

TOUR INTERVAL = 20 FEET

A horizontal scale with tick marks labeled 0, 1/2, 1, 2, 3, 4, and 5.

MILES

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ISOPACH MAP BASE OF ATOKA FORMATION TO BASE OF TIawah LIMESTONE

(ATOKA-KREBS INTERVAL)

CRAIG, MAYES
AND
EASTERN NOWATA AND ROGERS COUNTIES, OKLAHOMA


CONTOUR INTERVAL = 50 FEET

0 1/2 1 2 3 4 5 6 MILES

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PLATE XIV

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**ISOPACH MAP
BASE TIawah LIMESTONE TO
BASE FORT SCOTT LIMESTONE
(CABANISS GROUP)**

CRAIG, MAYES
AND
EASTERN NOWATA AND ROGERS COUNTIES, OKLAHOMA


CONTOUR INTERVAL = 25 FEET

0 1/2 1 2 3 4 5 MILES

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PLATE XV

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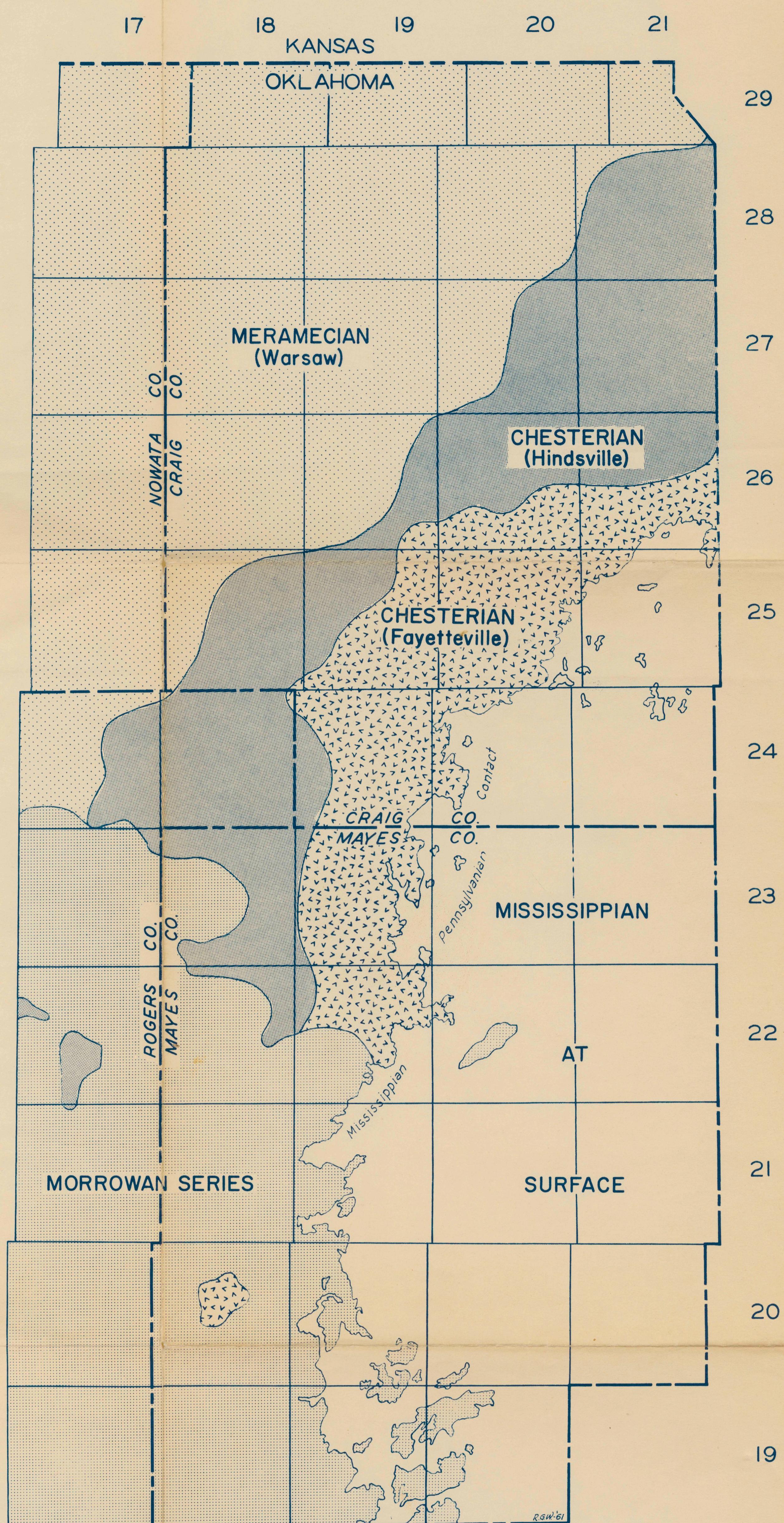
STRUCTURAL CONTOUR MAP BASE FORT SCOTT LIMESTONE

CRAIG, MAYES
AND
EASTERN NOWATA AND ROGERS COUNTIES, OKLAHOMA

CONTOUR INTERVAL = 50 FEET

0 1/2 1 2 3 4 5 6 MILES

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NSYLVANIAN
MORROWAN SERIES
CHESTERIAN

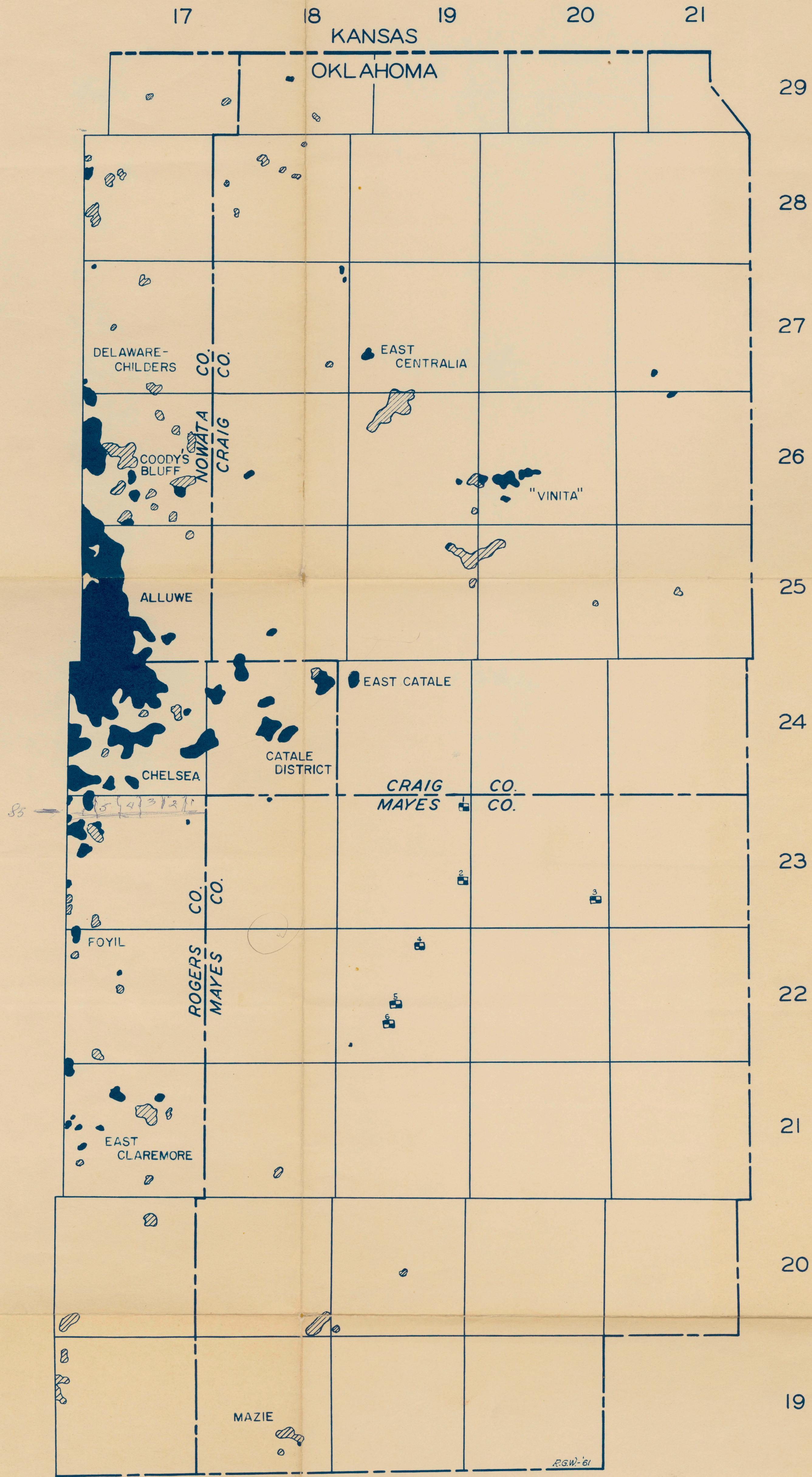
SUBSURFACE DISTRIBUTION
OF
PRE-ATOKAN FORMATIONS

CRAIG, MAYES
AND
EASTERN NOWATA AND ROGERS COUNTIES, OKLAHOMA

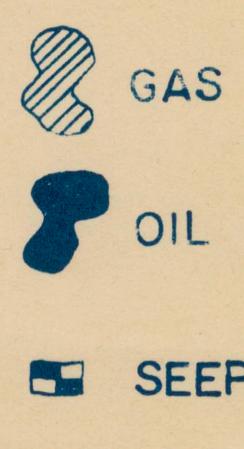
MILES

DAN M. STRONG - OK

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Modified from Oil and Gas Map by E.C. Jacobson



AREAS OF OIL AND GAS PRODUCTION

CRAIG, MAYES
AND
EASTERN NOWATA AND ROGERS COUNTIES, OKLAHOMA

0 1 2 4 6 8 10 12
MILES

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PLATE XVII

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