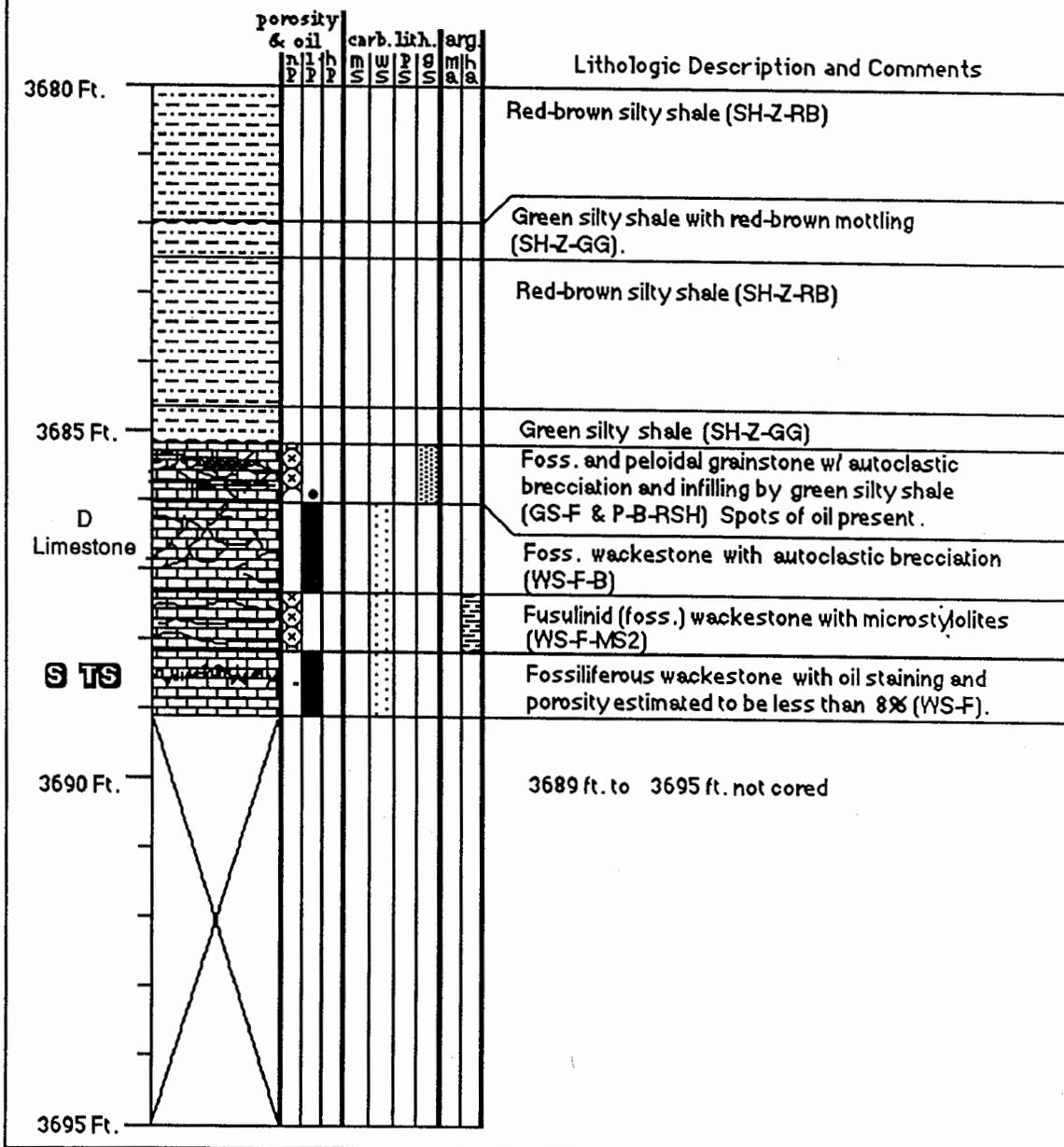
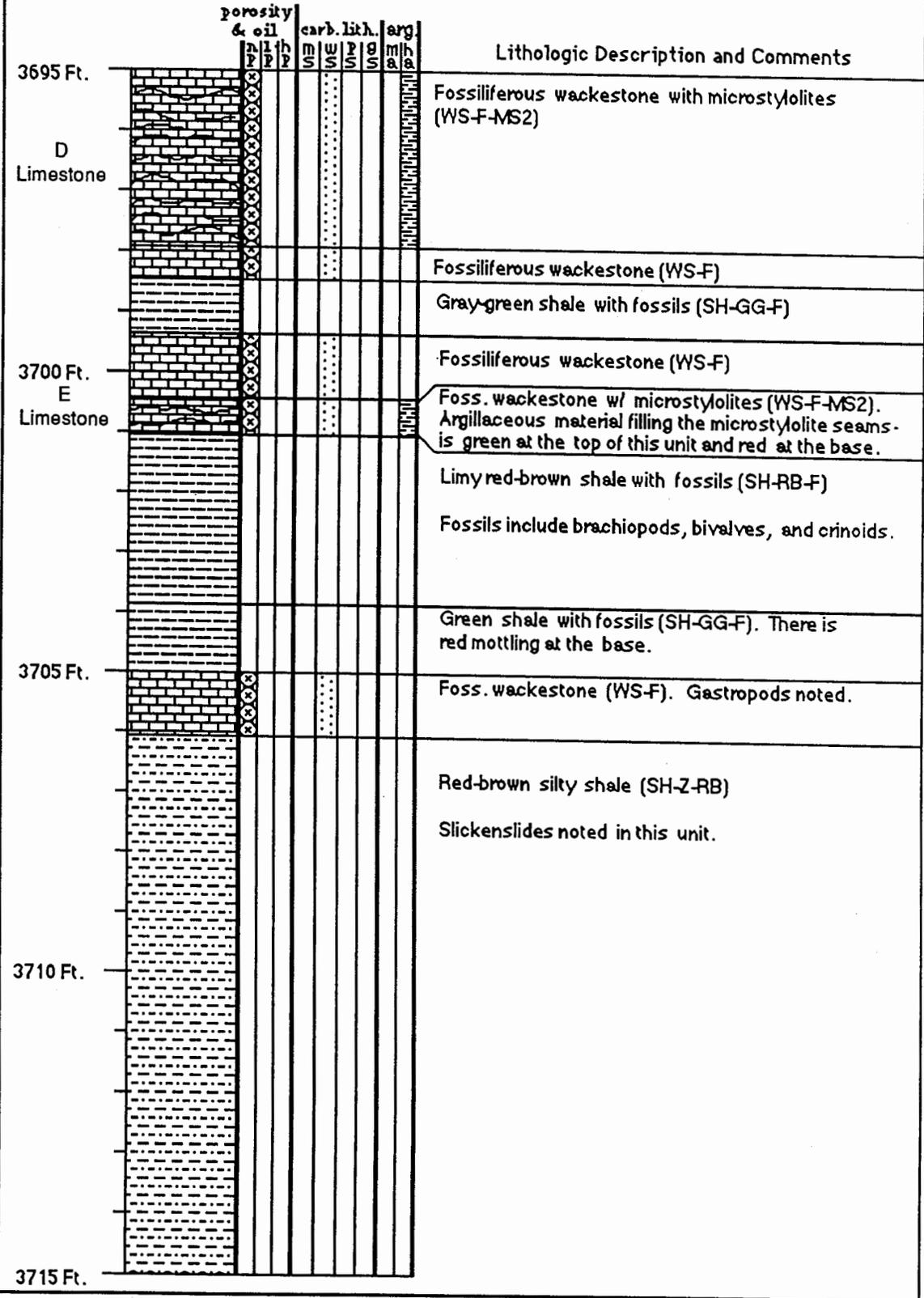


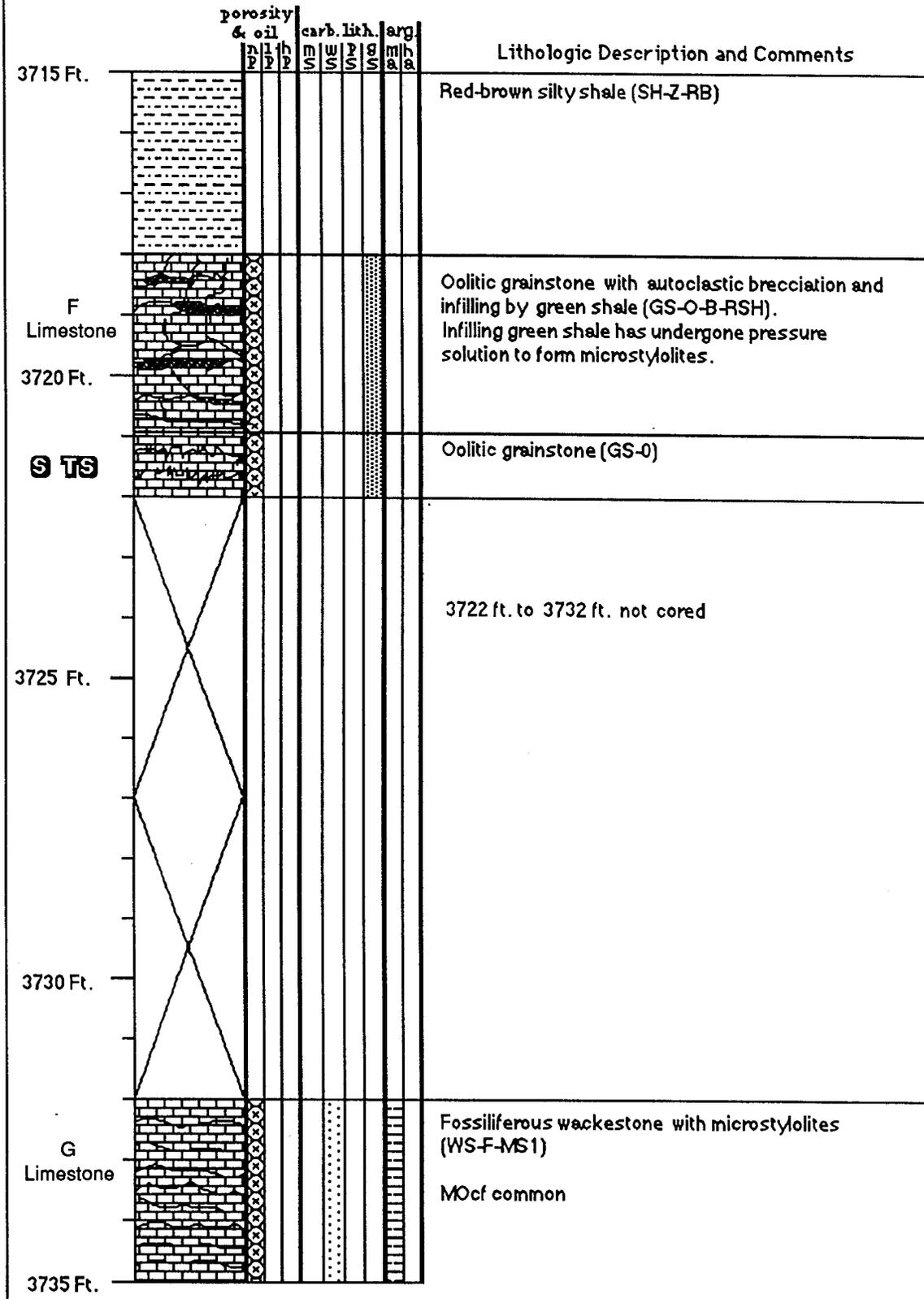
CITIES SERVICE #1 MILLER Z  
 SE NE SE, Sec. 31-T2S-R27W  
 Decatur Co., Kansas

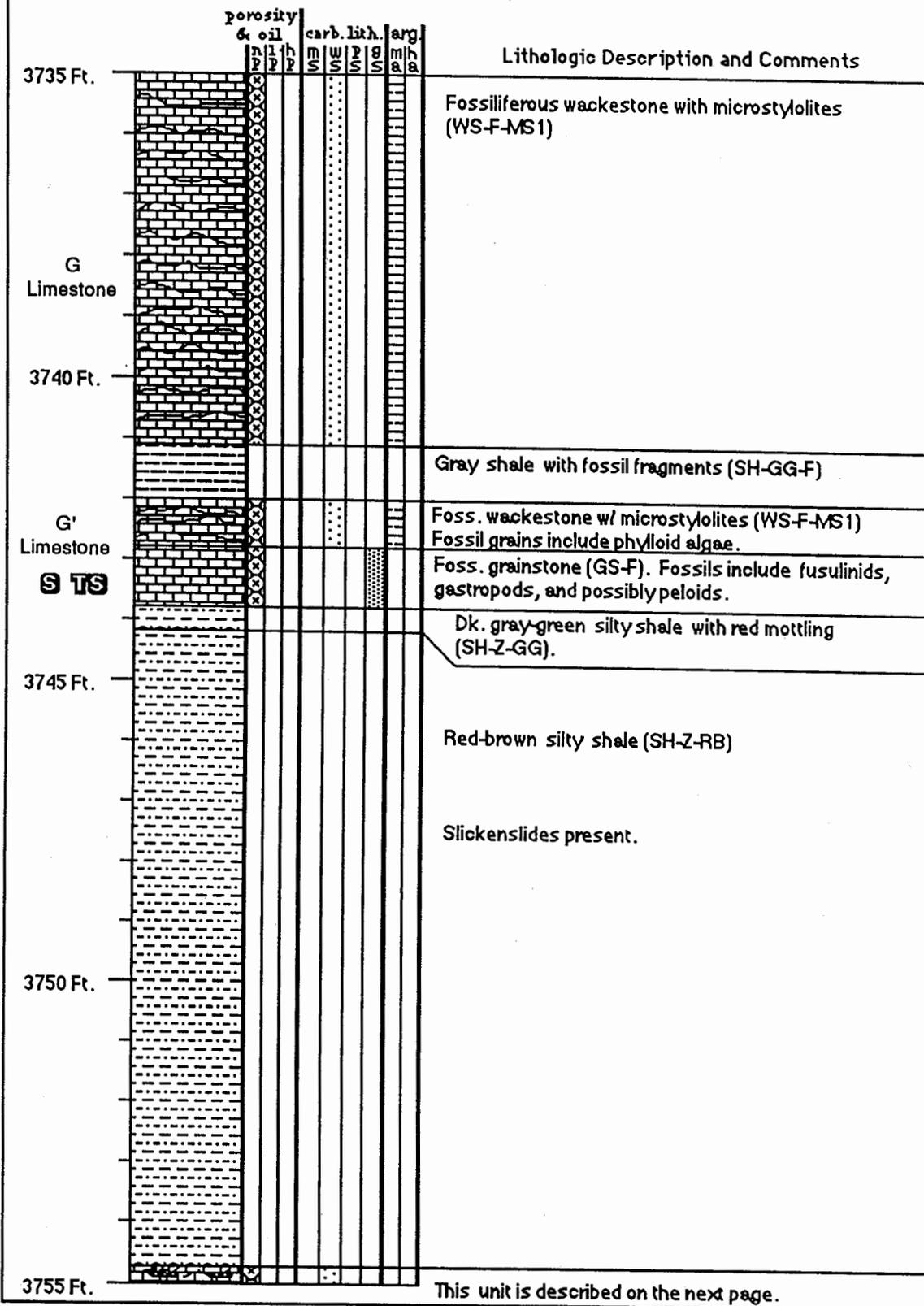


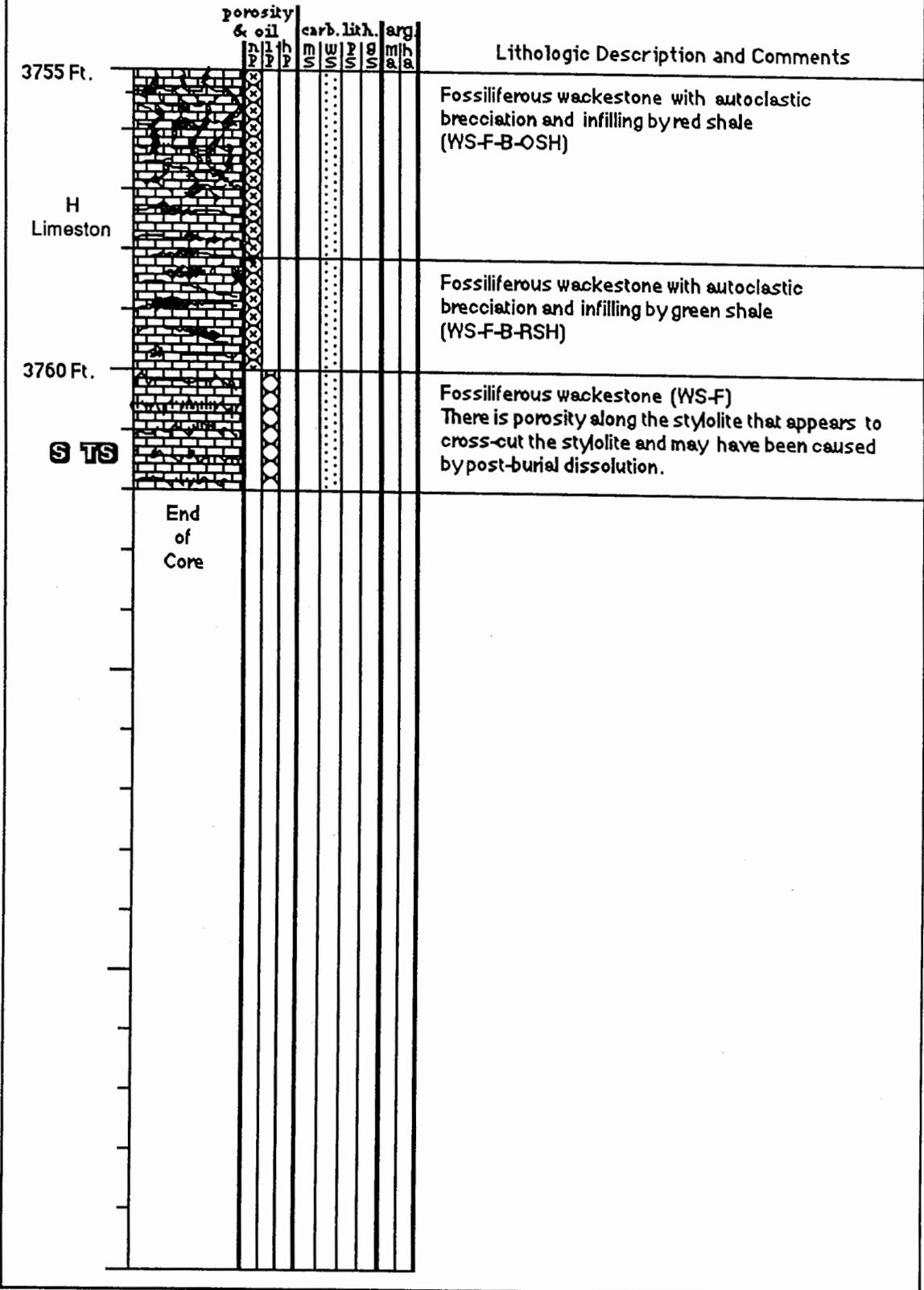
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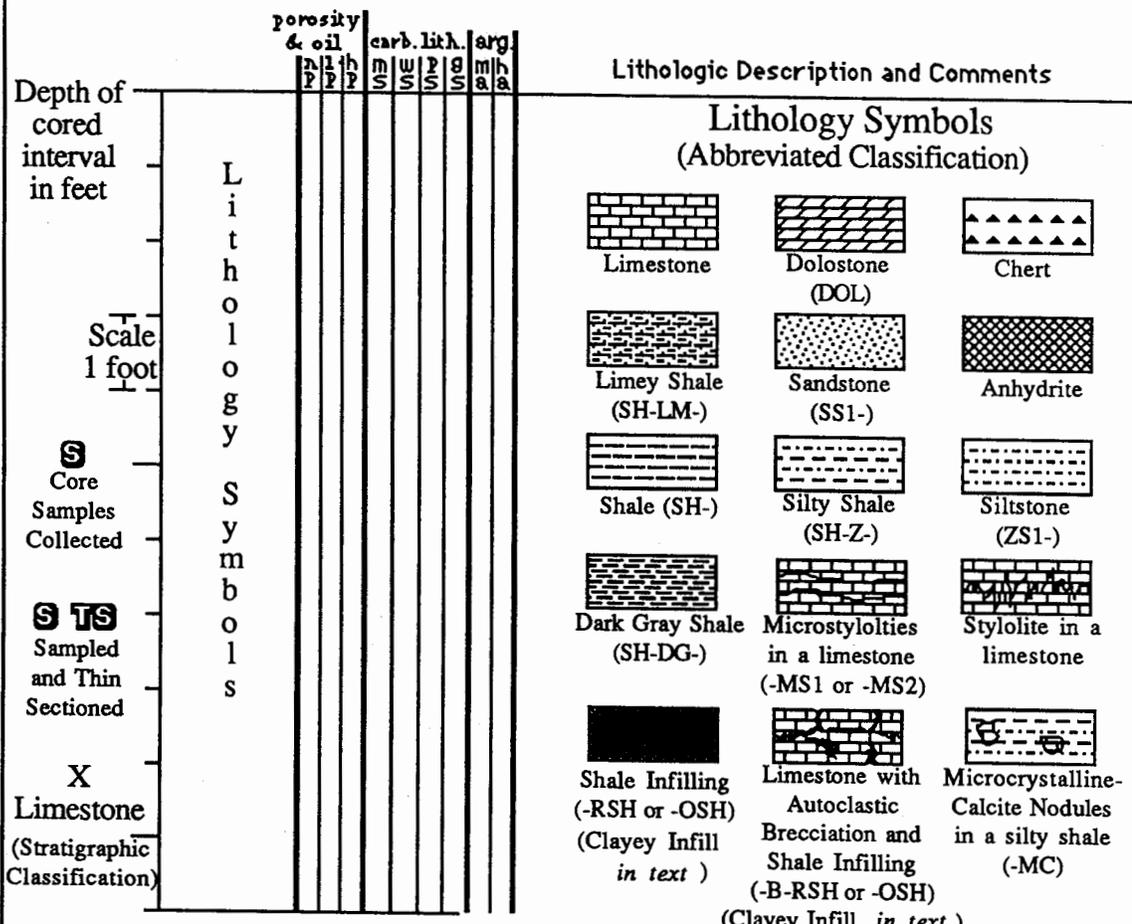


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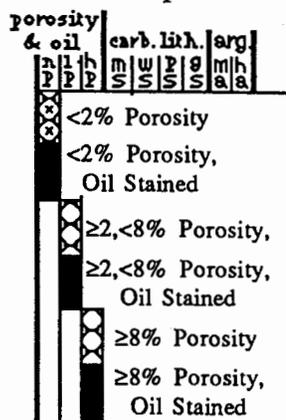




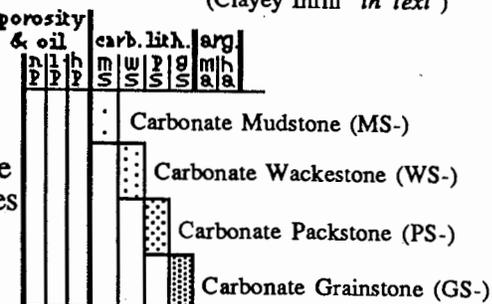




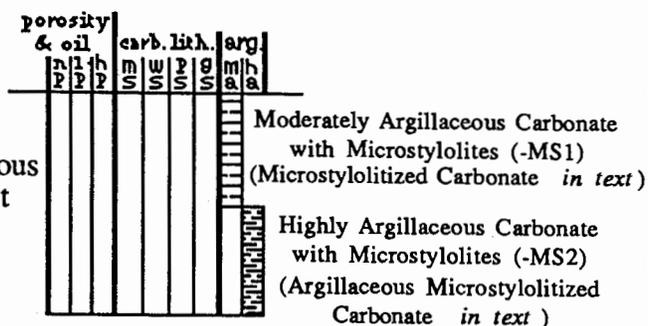
Porosity ranges based on visual estimates during core description



**Carbonate Lithologies**



**Argillaceous Content**



porosity & oil			carb. lith.				arg.
n	l	h	m	w	p	g	m
p	p	p	s	s	s	s	a

Lithologic Description and Comments

## LITHOLOGY CLASSIFICATION

After the written description of each stratum, the lithology is classified by an abbreviated classification in parenthesis.

### Carbonate Lithologies

- (MS-) Carbonate Mudstone
- (PS-) Carbonate Packstone
- (WS-) Carbonate Wackestone
- (GS-) Carbonate Grainstone
- (DOL-) Dolostone
- (LM-SH-) Limey Shale (Highly argillaceous microstylolitized carbonate *in text*)

### Modifiers to Carbonate Lithologies

- (-F) Fossiliferous
  - (-P) Peloidal
  - (-LM) Laminated
  - (-O) Oolitic
  - (-ONC) Oncolitic
  - (-FR) Fractured
  - (-MS1) Microstylolites (less argillaceous) (microstylolitized carbonate *in text*)
  - (-MS2) Microstylolites (more argillaceous) (argillaceous microstylolitized carbonate *in text*)
  - (-B) Autoclastic Brecciation
  - (-RSH) Infilling by Gray-Colored Shale
  - (-OSH) Infilling by Red-Colored Shale
- } Clayey infill  
*in text*

### Shales

(SH-) Shale

### Modifiers to Shales

- (-Z) Silty
- (-GG) Gray-Green
- (-F) Fossiliferous
- (-DG) Dark Gray
- (-RB) Red-Brown
- (-BL) Black
- (-MC) Contains Microcrystalline-Calcite Nodules

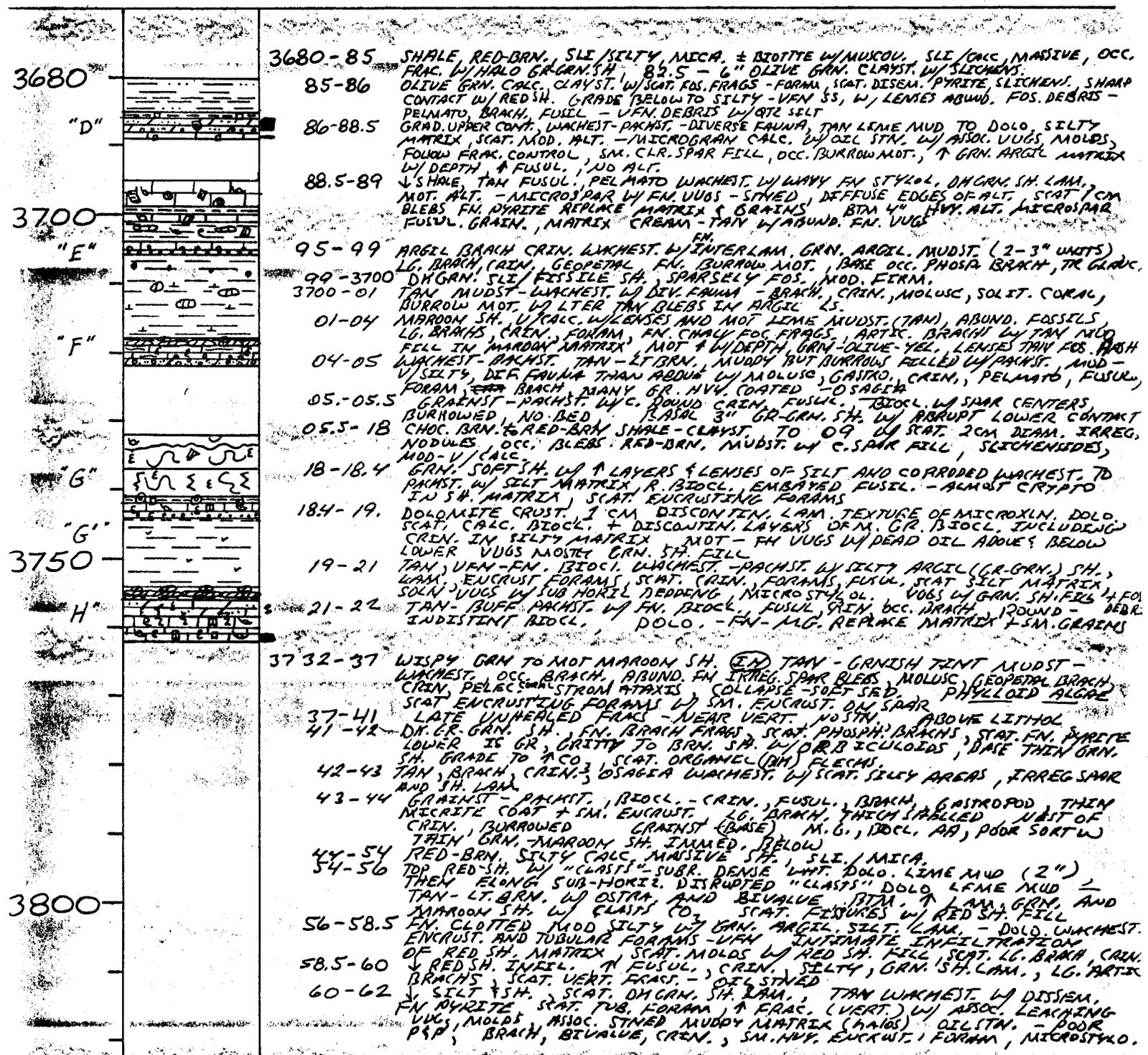
### Other Lithologies

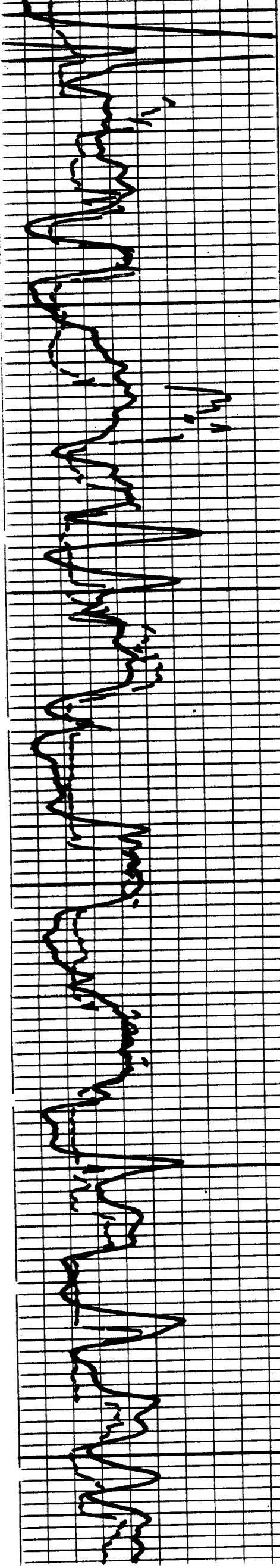
- (SS1-) Very-fine grained Sandstone
- (ZS-) Siltstone

CITIES SERVICE MILLER Z-1

31 - 2S - 27W SE NE SE

DECATUR CO., KANSAS





3600  
HEEBNER

LANSING

3700

C-1

3800

Cities Service  
1 Miller E  
SE NE SE  
31-25-27W  
elev. 2650' KR  
Decatur County, KS  
BHC

