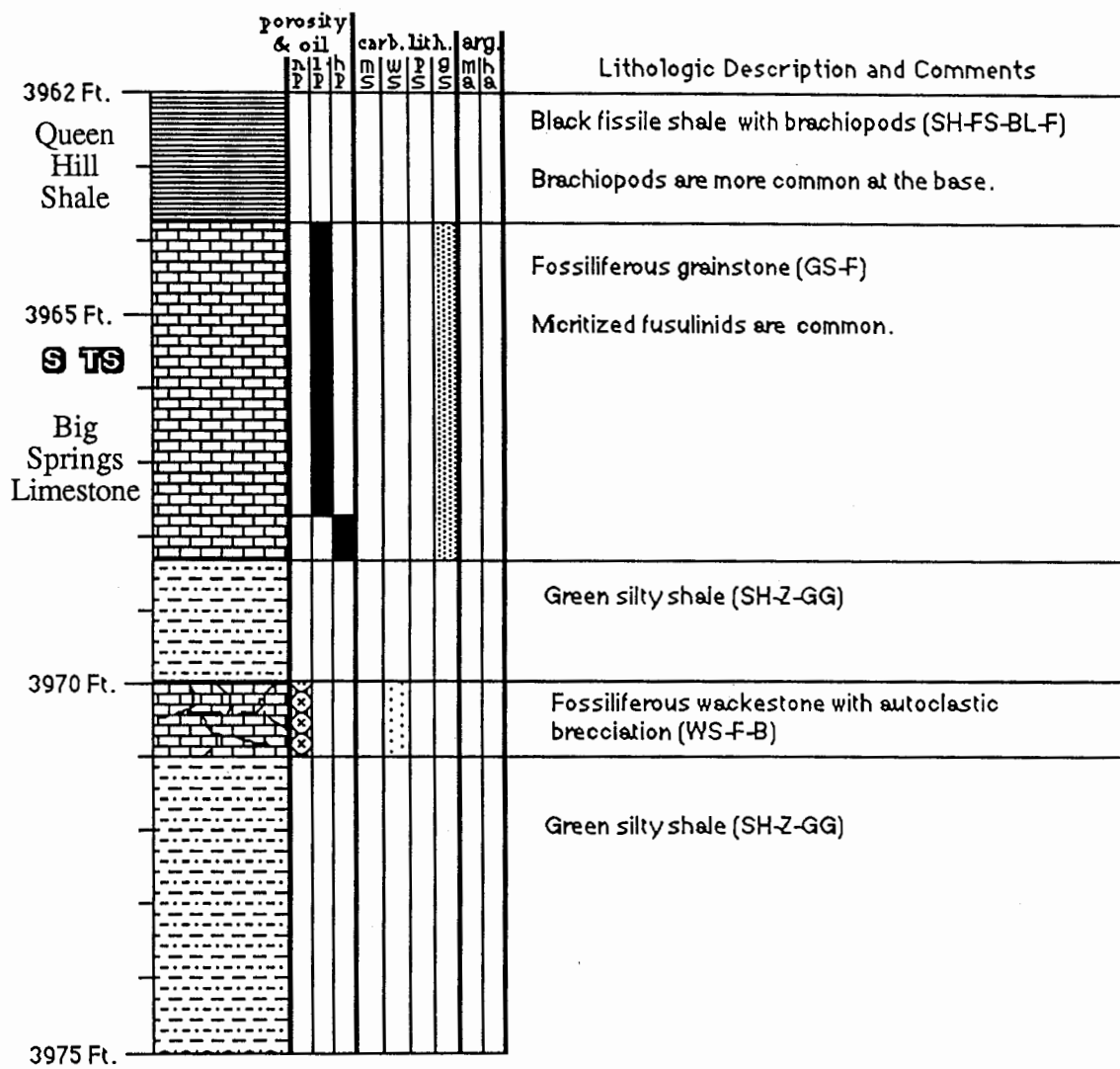


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Theodore Gore Co. #1 Denny

Page 3

	porosity & oil			carb. lith.			arg.			Lithologic Description and Comments
	n	h	p	m	w	p	g	m	h	
4015 Ft.										3988 ft. to 4017 ft. not cored.
4020 Ft.										Gray-green siltstone that is laminated and contains microcrystalline-calcite nodules (ZS1-GG-MC)
4025 Ft.										Red-brown silty shale (SH-Z-RB)
										Red-brown silty shale with microcrystalline-calcite nodules (SH-Z-RB-MC)
4030 Ft.										Gray-green silty shale (SH-Z-GG)
										Fossiliferous wackestone with microstylolites and autoclastic brecciation and infilling by red shale (WS-F-MS2-B-OSH)
										Fossiliferous wackestone with microstylolites (WS-F-MS2)
Toronto Limestone										Fossiliferous packstone (PS-F). Worm tubes are most abundant. Fractures are present.
4035 Ft.										Fossiliferous wackestone (WS-F) that includes worm tubes.

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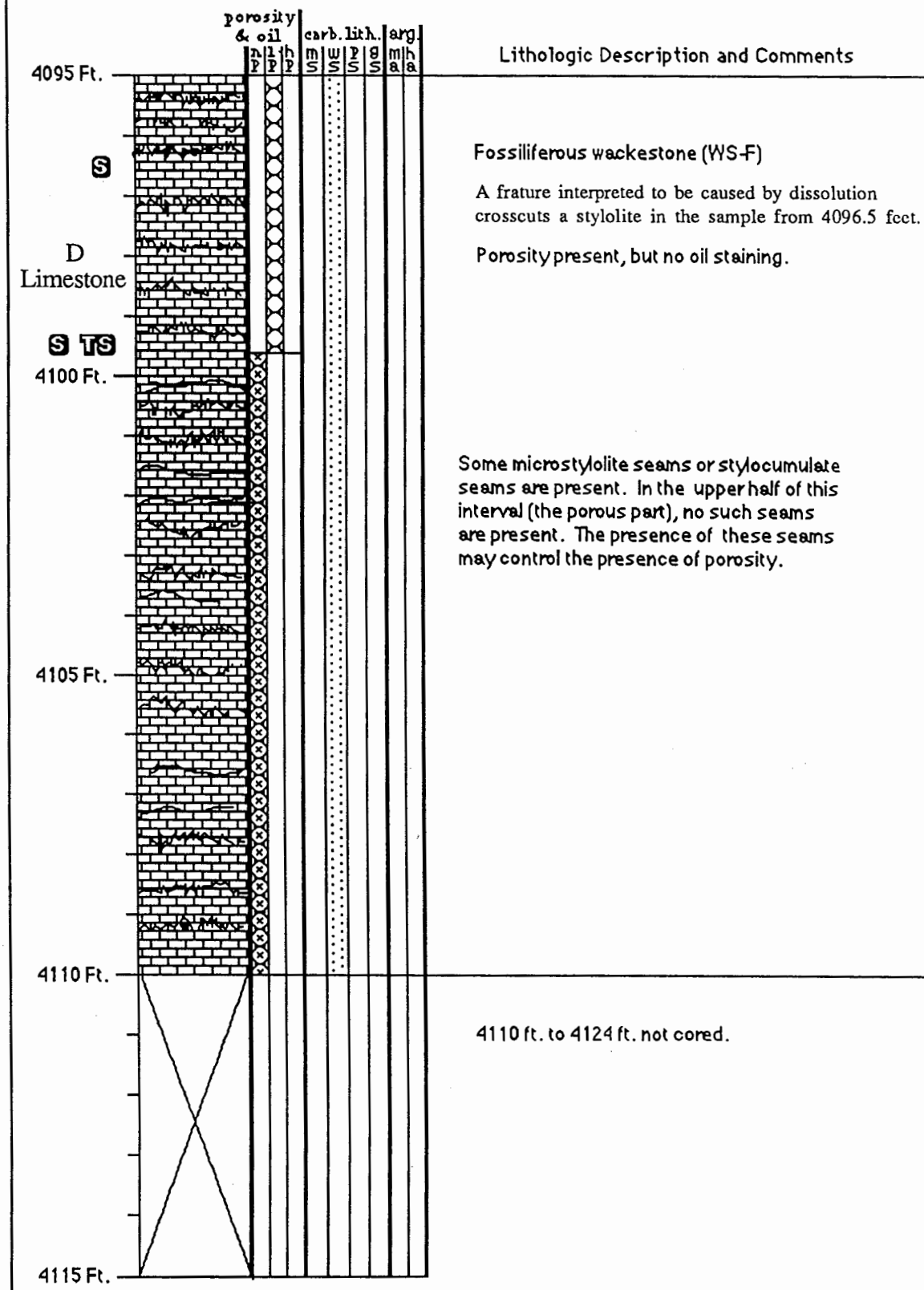
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		porosity & oil				carb. lith.				arg.				Lithologic Description and Comments
		n	p	h	p	m	w	p	g	m	h	a	a	
4055 Ft.	A Limestone	Fossiliferous wackestone (WS-F)												
		Fossiliferous wackestone with autoclastic brecciation and infilling by gray shale (WS-F-B-RSH)												
		Fossiliferous wackestone with autoclastic brecciation and infilling by red shale (WS-F-B-OSH) Infilling shale has undergone pressure solution to form microstylolites												
		Fossiliferous wackestone with microstylolites (WS-F-MS2)												
=? B	Limestone	Fossiliferous very fine sandstone with vertical fractures (SS1-F-FR)												
		Lt. gray siltstone with microcrystalline calcite nodules (ZS1-MC)												
4065 Ft.		Red-brown silty shale with microcrystalline calcite nodules (SH-Z-RB-MC)												
4070 Ft.		Red-brown silty shale (SH-Z-RB)												
4075 Ft.														

Theodore Gore Co. #1 Denny

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	porosity & oil	carb. lith.	arg.	Lithologic Description and Comments
4075 Ft.				Red-brown silty shale (SH-Z-RB)
				Gray silty shale (SH-Z-GG)
S TS				Fossiliferous grainstone (GS-F). Worm tubes abundant near the top.
C				Fusulinids and crinoids are common.
Limestone				Baroque dolomite is present.
4080 Ft.				
S TS				Fossiliferous wackestone with microstylolites (WS-F-MS2)
4085 Ft.				Red-brown silty shale with microcrystalline-calcite nodules (SH-Z-RB-MC)
				Red-brown silty shale (SH-Z-RB)
4090 Ft.				Gray-green silty shale (SH-Z-GG)
				Fossiliferous packstone (PS-F)
				Fossiliferous packstone with autoclastic brecciation and infilling by gray shale (PS-F-B-RSH)
D				Fossiliferous wackestone (WS-F)
Limestone				Fossiliferous wackestone with microstylolites (WS-F-MS2)
				Fossiliferous wackestone (WS-F)
4095 Ft.				



Theodore Gore Co. #1 Denny

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		porosity & oil		carb. lith.				arg.		Lithologic Description and Comments
		n	h	m	w	p	g	m	a	
4120 Ft.										4110 ft. to 4124 ft. not cored.
										Red-brown silty shale (SH-Z-RB)
4125 Ft.										Fossiliferous wackestone with autoclastic brecciation and infilling by green shale (WS-F-B-RSH)
	F Limestone									Fossiliferous wackestone with autoclastic brecciation and infilling by red shale (WS-F-B-OSH)
										Fossiliferous wackestone with autoclastic brecciation and infilling by red carbonate packstone that has been recrystallized (WS-F-B-OSH)
4130 Ft.										Fossiliferous and peloidal grainstone with fractures (GS-F & P-FR)
										Fossiliferous wackestone with autoclastic brecciation and infilling by green shale (WS-F-B-RSH)
										Fossiliferous wackestone with autoclastic brecciation and infilling by red shale (WS-F-B-OSH)
										Fossiliferous and peloidal packstone (PS-F & P)
4135 Ft.										Fossiliferous and peloidal packstone with autoclastic brecciation and infilling by green shale (PS-F&P-B-RSH)
										Red-brown silty shale (SH-Z-RB)
	G Limestone									Fossiliferous and peloidal packstone (PS-F & P) Worm tubes and peloids are common.
4140 Ft.										Highly porous, not oil stained.

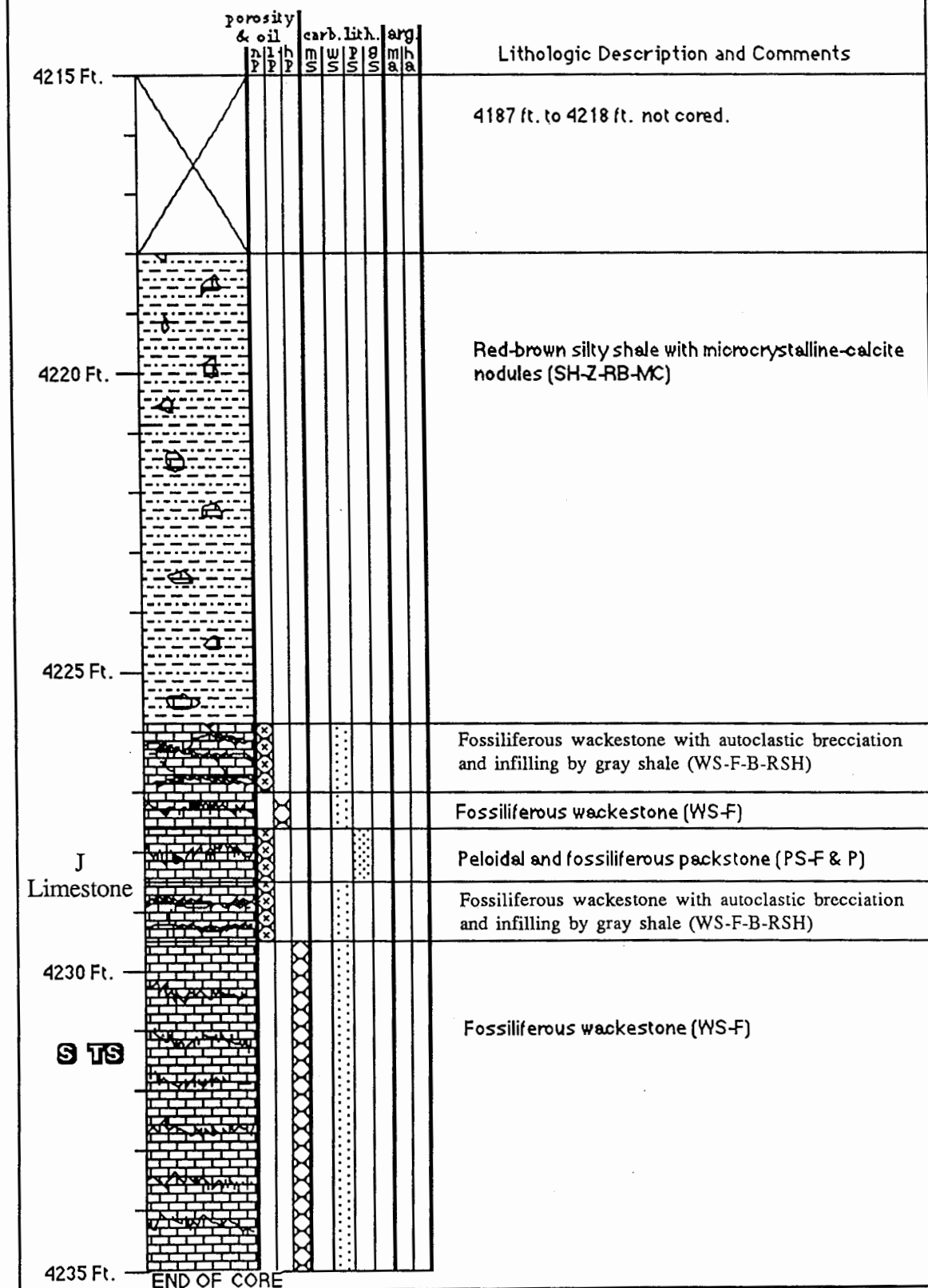
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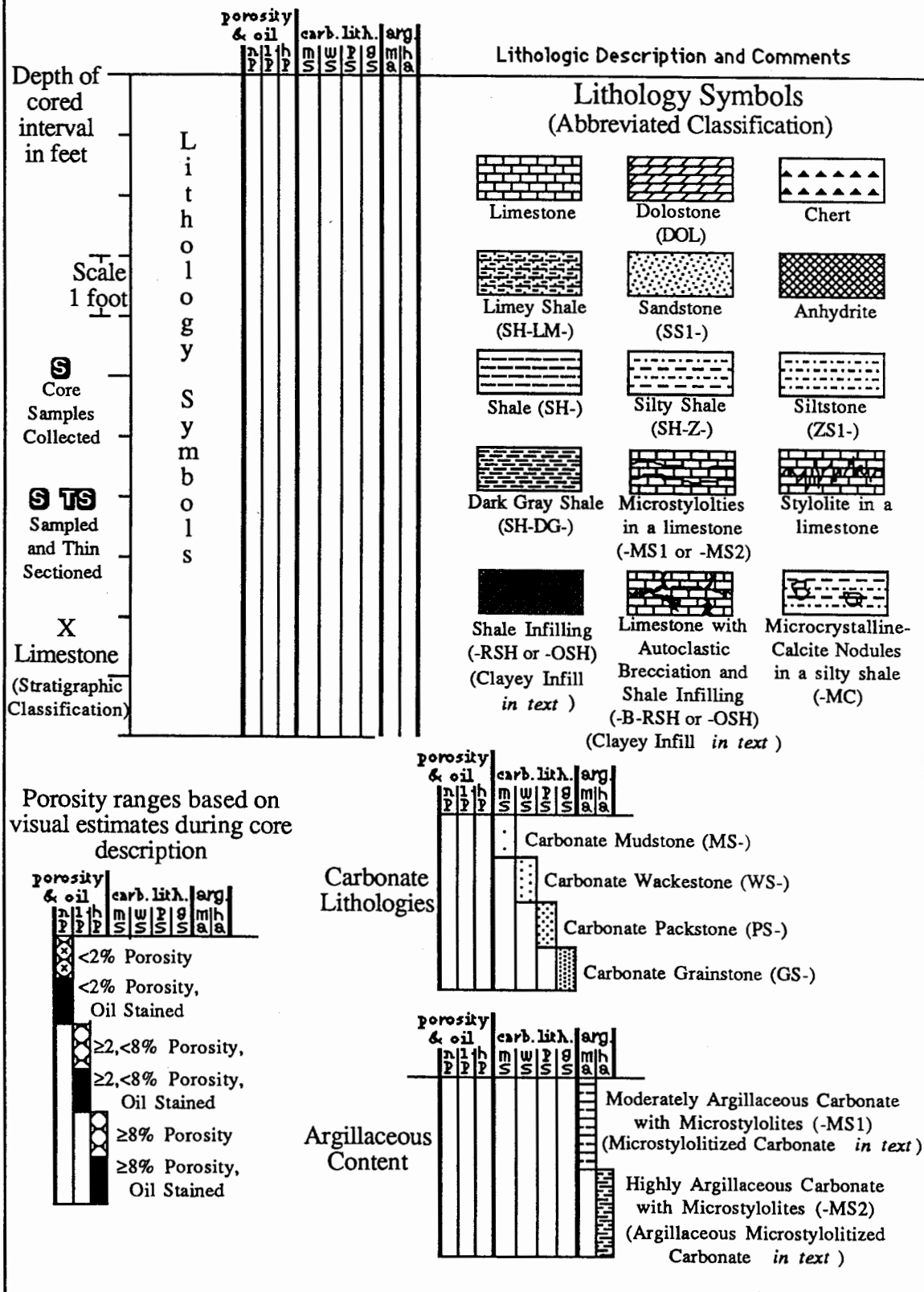
		porosity & oil	carb. lith.	arg.	Lithologic Description and Comments
		n P	m w S	p g S	m h a
4140 Ft.	S TS				Fossiliferous and peloidal packstone (PS-F & P)
G Limestone	S TS				Fossiliferous and peloidal packstone with brecciation and infilling by gray shale (PS-F&P-B-RSH). A difference between this interval and the overlying stratum is that there is more carbonate-mud matrix in this stratum.
4145 Ft.	S				Fossiliferous packstone (PS-F)
4150 Ft.					4150 ft. to 4172 ft. not cored.
4155 Ft.					
4160 Ft.					

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		porosity & oil	n l h p p p	carb. lith. m w p s s s	arg. g m h s a a	Lithologic Description and Comments
4170 Ft.						
						Red-brown silty shale with microcrystalline calcite nodules (SH-Z-RB-MC)
4175 Ft.						
						Peloidal packstone with autoclastic brecciation and infilling by red-brown shale (PS-F-B-OSH)
4180 Ft.						Peloidal packstone with autoclastic brecciation and infilling by gray shale (PS-F-B-RSH)
H Limestone						Fossiliferous wackestone with microstylolites (WS-F-MS1).
S TS						Fossiliferous wackestone (WS-F). This interval may be a packstone. Baroque dolomite present, may be replacive.
4185 Ft.						Fossiliferous wackestone with microstylolites (WS-F-MS1)
						Fossiliferous wackestone (WS-F) Stylolite crosscuts a microstylolite
						4187 ft. to 4218 ft. not cored.
4190 Ft.						

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	porosity & oil			carb. lith.				arg.	Lithologic Description and Comments
	h p	l p	h p	m s	w s	g s	m h a		
									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 <i>in text</i>) Modifiers to Carbonate Lithologies (-F) Fossiliferous (-P) Peloidal (-LM) Laminated (-O) Oolitic (-ONC) Oncolitic (-FR) Fractured (-MS1) Microstylolites (less argillaceous) (microstylolitized carbonate <i>in text</i>) (-MS2) Microstylolites (more argillaceous) (argillaceous microstylolitized carbonate <i>in text</i>) (-B) Autoclastic Brecciation (-RSH) Infilling by Gray-Colored Shale (-OSH) Infilling by Red-Colored Shale } Clayey infill <i>in text</i> Shales (SH-) Shale Modifiers to Shales (-Z) Silty (-F) Fossiliferous (-RB) Red-Brown (-GG) Gray-Green (-DG) Dark Gray (-BL) Black (-MC) Contains Microcrystalline-Calcite Nodules Other Lithologies (SS1-) Very-fine grained Sandstone (ZS-) Siltstone

Gore #1 Denny
Rawlins Co., Ks.

CORE DESCRIPTION

Core #1 3962-3987 Full recovery

3962-63	SH. DR. GRY.
3963-67	LS. FOSIL. OOLIT. F. POROSITY BARREN S.S.F.O. BTM. 4"
3967-79	LS. SHY.
3979-87	LS. F. X. DSE. TR. D. O. STN. BTM.

Gore #1 Denny
Rawlins Co., Ks.

CORE DESCRIPTION

Core #2 4018-4047 Full recovery

4018-24	LS. GRY. DSE.
4024-29	SH. RED-GRN.
4029-31	LS. SHY.
4031-34	LS. FOSIL. SPTD. VUG. POROSITY & F. V. & HCR. FR. BU. O. 50% SATR.
4034-37	LS. WH. DSE.
4037-47	SH. RED

Gore #1 Denny
Rawlins Co., Ks.

CORE DESCRIPTION

Core #3 4047-4087 Full recovery

4047-55	LS. SHY. & SH. LAM. RED.
4055-60	LS. WH. DSE.
4060-64	LS. SHY.
4064-78	SH. RED
4078-85	LS. GRY. DSE.
4085-87	SH. RED

Gore #1 Denny
Rawlins, Ks.

CORE DESCRIPTION

Core #4 4087-4110 Full recovery

4087-91 SH. RED-GRN.

4091-4110 LS. GRY. DSE. FEW THIN SH. LAM. TR. CHERT NOD. 1" GRY
SH. AT BTM.

Gore #1 Denny
Rawlins Co., Ks.

CORE DESCRIPTION

Core #5 4124-4150 Full recovery

4124-26	SH. RED
4126-35	LS. SHY.
4135-38	SH. RED
4138-50	LS. GRY. DSE.

Gore #1 Denny
Rawlins Co., Ks.

CORE DESCRIPTION

Core #6 4173-4187 Full recovery

4173-77	SH. RED
4177-87	LS. WH. F. X. DSE.

Gore #1 Denny
Rawlins Co., Ks.

CORE DESCRIPTION

Core #7 4218-4235 Full recovery

4218-26 SH. RED

4226-35 LS. F. X. DSE. PT. FOSIL. CHALKY