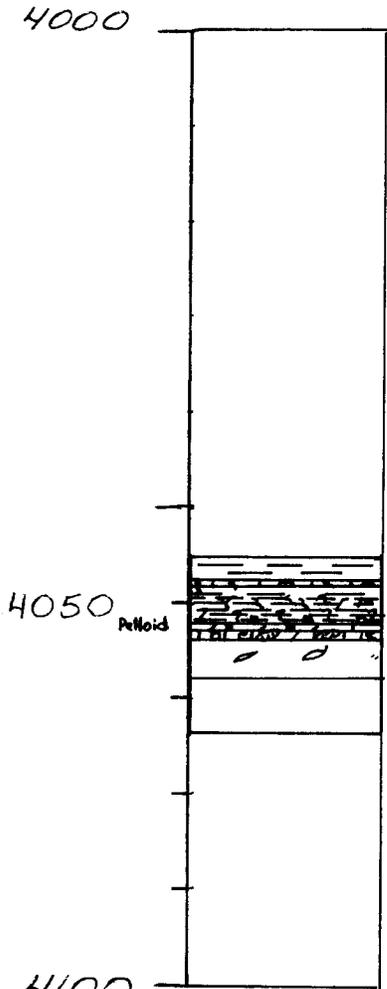
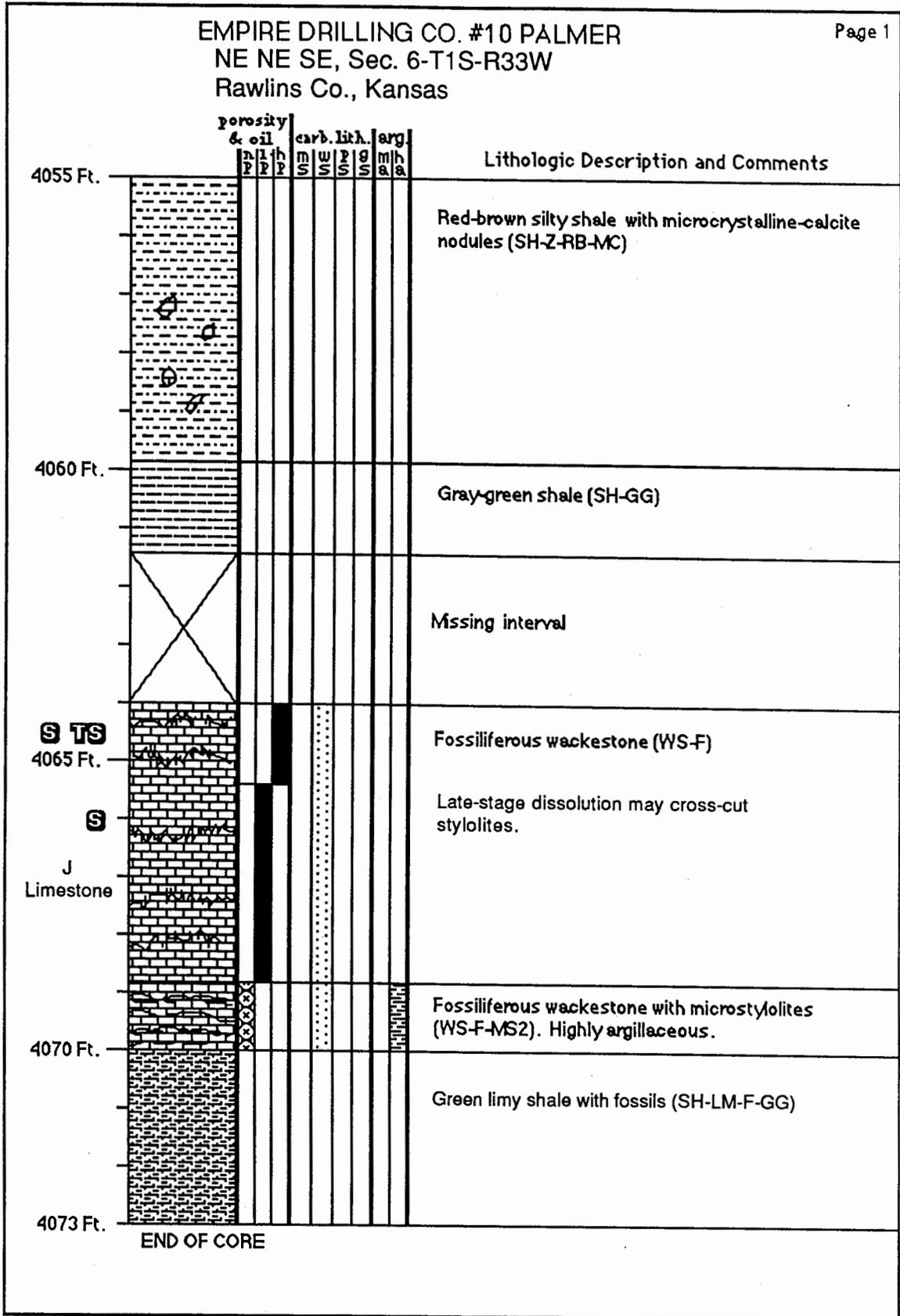


J ZONE 2960 KB
 LANS 3860

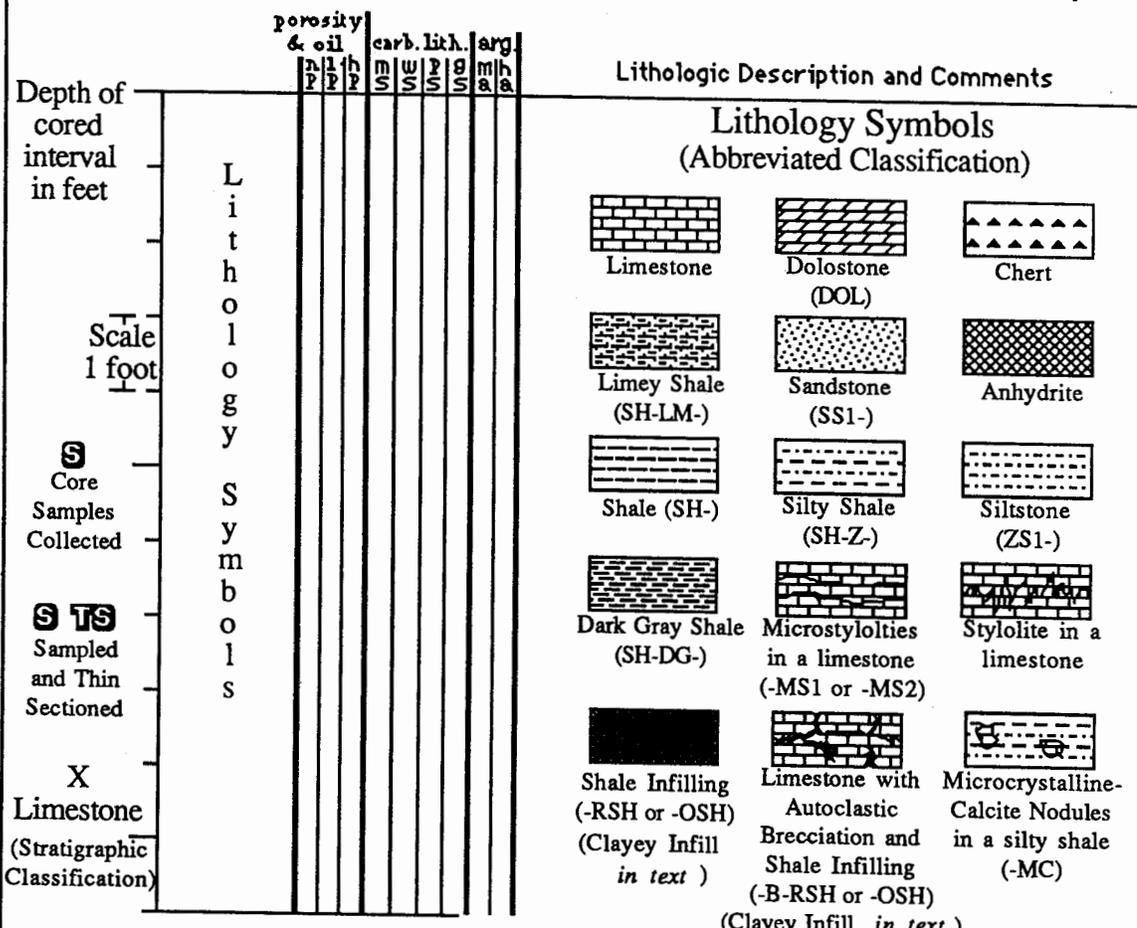


- 55-59 CLAYST. RED-BRN. W/THIN BEDS OF TAN - BUFF MUDST. ABUND SUBHOR. & SCAT. VERT. FRACS W/ ASPHALTIC BIM. MAT. AS FILL, SCAT. LT. GR. V. IRREG. CALC. ISLEBS
- 59-60 CLAYST. AFA. MOT. GR. W/LG. FRACS FILLED W/C. CALCITE W/ HALO GR SH., LG. BRN-TAN MUDST. BLEBS W/ FN. FRACS
- 60-62 SHALE, GR., CALC. LG. FISSURES, SUBHOR. FILLED W/ TAN MUDST. WHICH IS HIGHLY FRAC. SMA. FRACS FILLED W/ BLK. ASPH. MAT. C. PYRITE CLUSTERS NEAR BASE SH.
- 62-63 PART DOLO MUDST - PELMICRITE - WACHEST. TAN, LT. BRN. OCC. FUSIL. CRIN. BRACH. FRACS. BIVALVE, TOP W/ QUIBBY THIN BRN. SH. LAM. SILTY SH. BLEBS - (INTERNAL SED) 10-20% SOL'M MOT. W/ FRAC. MATRIX 1/2-1/2 MM SURROUNDED BY WHT. MICROGRAN. DOLO. OIL STN. SCAT. PYRITE PELMICRITE - W/ UNALT. WACHEST. "CLASTS" CLAYED - FN. PELLETED - ROUNDED SUBSPHER. MICROXIN. DOLO. MATRIX ALT. ALMOST TOTAL INCLUDING SMA. BEDCL. - MICROGRAN. + XIN. + SMA. VAN-1/2 MM SOL'M COLLAPSE W/ PELLET FN. - SCAT. LG. VOIDS W/ PELLETS INCLUDED LABSEY PACKED W/ SPAR FILL OR GRN. SH. FILL (PERFORATION GROUND-WATER AND DISSOLUTION AND ADHESION OF BRACH. FRAG. LG. LITHOCL.
- 63-64 WACHEST. LT. GR. FUSIL. + OCC. CRIN. BRACH. FRAG. STYLOLITES IN LOWER SMA. PYRITIZED FUSIL. SCAT. QUIBBY SH. LAM. W/ OCC. DESS. PYRITE TO 30% ALT. - SOLN FISSURES MOST NEAR HORIZ. VOIDS MOST W/ CLR. SPAR FILL, FUSIL. CAS. ASPH. STN. ROUNDED ALT. ZONES BOUNDED BY SH. - CH. IN CLEANER CO₂ SCAT. FN. FRACS. SCAT. PYRITE CLUSTERS MORE IMPT. LOWER, GOOD DEGR. AND SYN.
- 64-68 MUDST., LT. GR. - TAN, SCAT. LG. BRACH. BRACHS. SMA. W/ GEODETAL SMA. ROTATED OCC. SCAT. FUSIL. TO 80% ALT. BRN. MICROXIN. CAL. W/ ABUND. VUGS, MUDS, FN. FRACS OCC. SPAR FILL OIL STN. POOR P.P. STYLOL. GR. MUDST. ZONES (MOT) W/ IN ALT. AREAS, CONTAIN ABUND. FN. PYRITE
- 68-69 WACHEST - PACHST. W/ ABUND. FN. FOX FRACS (< 1/2 mm) SCAT. PHOSP. BRACHS, SHELL FRACS OCC. LG. BRACH. VALVE SPINES FUSIL. MICRITE W/ INDISTINCT OCCLUDED MIC. AREAS W/ HIGHLY REXTL. FUSIL. OCC. CHANNEL MOT. 1/2" W/ VUGS, MUDS, OIL STN. - FN. FRACS W/ SPAR FILL
- 69-70 MUDST. TAN, W/ THICH ABUND. GRN. QUIBBY WAVEY SH. LAM. AND SMALL BEDS, "CLASTS CO₃" SCAT. MOT. W/ FN. PYRITE, BURROW MOT.
- 70-73 SILTST - SHALE, GRN. V/ARGIL SILTY WACHEST - SILTST - SHALE TRANSITION, SCAT. ARTEC. BRACHS, BRACH FRACS, BURROW MOT.

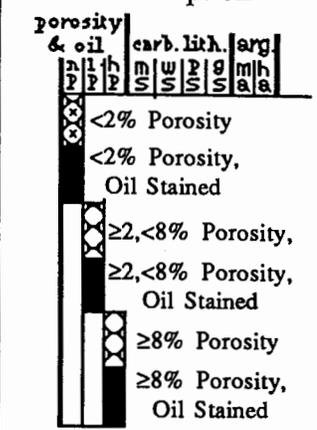
EMPIRE DRILLING CO. #10 PALMER
 NE NE SE, Sec. 6-T1S-R33W
 Rawlins Co., Kansas



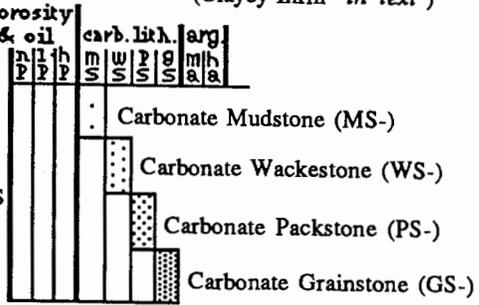
S TS
 4065 Ft.
 S
 J
 Limestone



Porosity ranges based on visual estimates during core description



Carbonate Lithologies



Argillaceous Content

