Geology – Class 4 – Wed June 29

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Today

Review Test # 2 on Chap 5, 6, 7, 8

Discuss Chap 13, 18, 23

Presentation # 1 and # 2

Test # 3 on Chap 9, 10, 11, 12

Chapter 13 – Petroleum Exploration- geophysical

Pg 216-223 – seismic acquisition, vibrator truck, air gun, streamers, hydrophones

Pg 225-230 – interpretation, bright spot, flat spot

Pg 232-234 – 3D and 4D

Chapter 18 – Testing a Well

Pg 305-310 – well drill log, conventional core, sidewall core, fig 18-1 through 18-4

Pg 310-312 – geolograph, mud log

Pg 313-338 – electric line, wireline well logs, fig 18-7 through table 18-3, condition well, sonde, logging run, depth strip, correlation, open hole logs, cased hole logs, electric log, resistivity, SP, induction log, gamma ray log, radioactivity log, neutron log, formation density log, caliper log, sonic log, dip meter, NMR log

Pg 338-339 – MWD and LWD

Pg 339-341 – drill stem test, RFT

Chapter 23 – Reservoir Mechanics

Pg 423-430 – oil: dissolved gas drive, gas cap expansion, water drive

Pg 429-429- gas: gas expansion, water drive

Pg 430 - MER

Homework – review Chap 13, 18, 23. Complete Presentation # 2

Class 5 – Wed July 6

Review Test # 3 on Chap 9, 10, 11, 12

Individual Presentations # 1 & 2, if not completed

Finish Group Presentation # 3

Review Chap 24, 25, 26

Test # 4 on Chap 13, 18, 23