

## Quiz

- \* What is the COG temperature at the secondary cooler outlet?
- \* What is the normal wash oil flow from LBA to LO still and back?
- \* How many wash oil coolers are installed?
- \* What is a LO still building trench?
- \* Where is the explosion pit siphon located?
- \* When do you need a respirator?
- \* How many times per shift do you take readings?
- \* When do you clean the oil separator screen?
- \* When do you pump water from the LO storage tank?
- \* How many grounding clamps are at the LO load-out station?
- \* Where are lockout locks located?
- \* What is the cold wash oil temperature?
- \* Where is the vapor scrubber located?

**(Quiz, continued)**

- \* How much LO accumulates in the ring over one shift?
- \* How do you remove muck from the muck tank?
- \* What do you do when the skimmer sump pump makes an unusual noise?
- \* What do you do when the wash oil flow meter is broken?
- \* How do you report unusual benzene odors in the LO still building?
- \* Who must be present if hot work is performed in the LO still building?
- \* What is the emergency telephone number?
- \* What do you do when you observe a leak in the LO piping or pump?
- \* What is the normal mill water supply temperature in the summer time?
- \* How do you recognize LBA plugging?
- \* Who do you notify when both of the cold dec. sump pumps fail at the same time?

**(Quiz, continued)**

- \* How much time are you supposed to spend in the LO still building?
- \* What is the normal LO still top temperature?
- \* Where do you drain water from the hot wash oil decanter?
- \* Is there a mobile fire extinguisher in the LBA pump room?
- \* Is benzene a known carcinogen?
- \* What is the full name of OSHA?
- \* Is COG a flammable gas?
- \* Can LO cause the formation of explosive mixtures?
- \* How do you recognize a COG leak?
- \* Does LO vapor travel over ground?
- \* How many tube bundles are in the LO condenser?
- \* What kind of internals are inside the LBA tower?
- \* Where is the medical dispensary located?

## (Quiz, continued)

- \* Is there breathing apparatus available in the immediate vicinity of the LO still building?
- \* Who takes the LO samples?
- \* What is the maximum pressure in the LO still base before steaming BEC vents?
- \* What does a yellow light at the muck tank mean?
- \* What is a LO yield rate?
- \* How many trays are in the LO still?
- \* What is the purpose of muck testing?
- \* How much muck in wash oil is acceptable?
- \* What is the normal readout at the wash oil flow meter to dephlegmator (FI-1570)?
- \* Is the equalization line between LBA No. 1 and No. 2 normally open or closed?



**(Quiz, continued)**

- \* What is the normal wash oil feed temperature from Dephlegmator to LO Still (TI-860)?
- \* What is the purpose of the vacuum or the pressure relief device at wash oil decanters?
- \* What is the difference between the "breather" and the "pressure relief manhole cover"?
- \* Why do you adjust the water overflow weir at Hot Wash Oil Decanter, D-201?
- \* How much is the normal water addition to Hot Wash Oil Decanter (FI-1873)?
- \* How do you fill NALCO additives to the wash oil storage tank?
- \* Are you supposed to drain the LBA directly into Floor Trench, X - 102?
- \* What is the normal pressure in BEC Header No. 4 (PI-614)?

## (Quiz, continued)

- \* How many spray nozzles are at the top of the LBA?
- \* What is the stripping steam flow to LO Still, T-201?
- \* What happens if you open the three-way valve at a circulation tank or muck tank?
- \* Where is the drain from LBA (via the collecting tank) going to?
- \* How do you recognize a cracked tube in the LO condenser?
- \* Where do you find health hazard information on process fluids in the LO facility?
- \* What is the "Master Instrument Index"?
- \* What are "Lock-out Procedures"?
- \* Why do wash oil spills have to be confined?
- \* What is the "Pre-start-up Review"?
- \* Who is supposed to administer first aid in case of an injury in the work place?

**(Quiz, continued)**

- \* Which is the correct fire fighting material in the LO facility, water or foam?
- \* Are you supposed to warn occupants in surrounding areas if there is an unusual LO spill?
- \* How much spill fighting materials (vermiculite, or similar) is available in the LO building?
- \* How much is a reportable quantity (RQ) of process wash oil?
  - a. 1 lb
  - b. 5 lb
  - c. 10 lb
- \* How much is a reportable quantity (RQ) of light oil?
  - a. 1 lb
  - b. 12 lb
  - c. 100 lb



(Quiz, continued)

- \* Is COG toxic to humans?
- \* Are residues of light oil operations hazardous wastes?
- \* Who is responsible for partial or entire emergency shut-down of the LO facility?