

## **Enhanced Oil Recovery Techniques MCQ Questions and Answers Pdf**

1. Alternating lines of producers and injectors ad can be either direct or staggered is called

- a. seven spot
- b. line drive
- c. inverted seven spot
- d. four spot

Ans: B

2. Which technique utilizes heat to make more fluid recovery from heavy oil reservoir?

- a. thermal recovery
- b . water flooding
- c. chemical recovery
- d. none of the above

Ans: A

3. The area contacted by displacing agent to the total area is called

- a. areal sweep efficiency
- b. vertical sweep efficiency
- c. volumetric sweep efficiency
- d. none of the above

Ans: A

4. What is the determining factor as to when a water flood operation reaches its effectiveness?

- a. breakthrough
- b. mobility ratio
- c. sweep efficiency
- d. none of the above

Ans: A

5. Displacement efficiency of a miscellar flood is

- a. ratio of ultimate volume of oil displaced and the volume of oil contacted

- b. product of ultimate volume of oil displaced and the volume of oil contacted
- c. sum of ultimate volume of oil displaced and the volume of oil contacted
- d. none of the above

Ans: A

6. The mobility ratio is defined as

- a. the ratio of mobility of displacing fluid and mobility of displaced fluid
- b. the ratio of mobility of displaced fluid and mobility of displacing fluid
- c. the ratio of density of displacing fluid and density of displaced fluid
- d. the ratio of viscosity of displaced fluid and viscosity of displacing fluid

Ans: A

7. Capillary number is the ratio of

- a. viscous to inertial forces
- b. viscous to gravity forces
- c. inertial to viscous forces
- d. none of the above

Ans: A

8. Which caustic chemical is used in alkaline flooding?

- a. sodium hydroxide
- b. sodium silicate
- c. sodium carbonate
- d. all of the above

Ans: D

9. Alkali flooding can be applied to oils whose API gravity ranges between

- a. 13° to 35°
- b. 23° to 35°
- c. 33° to 45°
- d. 3° to 35°

Ans: A

10. Micellar polymer is also known as

- a. microemulsion flooding
- b. low tension flooding
- c. chemical flooding
- d. all of the above

Ans: D

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