

SLOTTED MUD ANCHOR

Commonly referred to as the Poor Boy Separator, Mother Hubbard Separator, or simply mud anchor, the Don-Nan slotted mud anchor is a free gas mitigation tool composed of a combination of a slotted outer body paired with a gas anchor.

Operation

The slotted mud anchor is used to gravity separate gas and solids from production fluid. On the start of the upstroke, fluid, gas and solids are pulled into the slots and down towards the intake of the gas anchor. When the pump begins the downstroke, fluid goes still in the mud anchor and the gas will migrate through the fluid and exit the slots, up the casing annulus. During the entire procedure, solids will fall to the bottom of the mud anchor below the intake of the gas anchor.

APPLICATIONS:

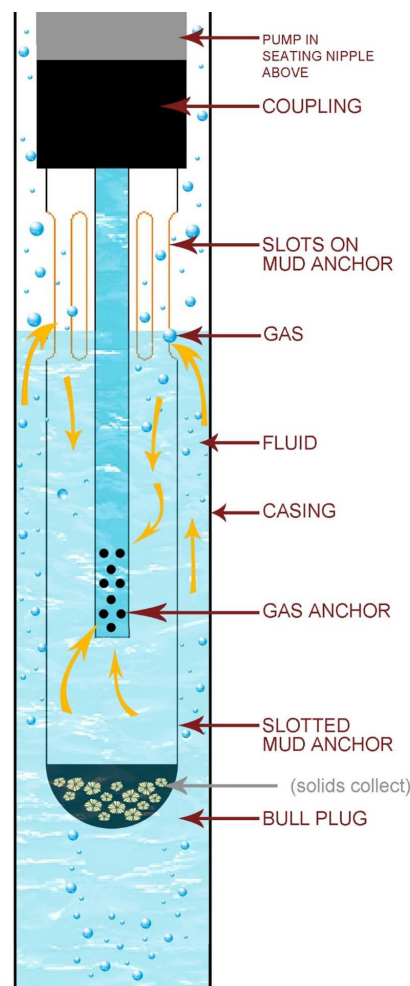
- Wells with moderate levels of solids & gas

BENEFITS:

- Separates free gas from production fluid
- Improves pump efficiency
- Reduces gas interference in pump
- Decreases rod lift system wear
- Increases daily run time with automation

LIMITATIONS:

- Fluid velocity remains unchanged prior to entering the mud anchor
- Maximum gravity separation is limited



Headquarters

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ALWAYS ADVANCING >>>

Midland Campus

3427 E Hwy 158,
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Slotted Mud Anchor Specifications

	80MA01	80MA03	80MA08	80MA10A
OD (in.)	2.875	3.5	3.5	4.5
ID (in.)	2.441	3.068	3.068	3.95
Length (ft.)	28 min.	28 min.	28 min.	40
Connection Type	2-3/8 8R EUE	2-7/8 8R EUE	2-7/8 8R EUE	2-7/8 8R EUE
Material	J55	J55	J55	J55

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