



T3-1

Revision Number: 1
Prepared by: M. Tollini
Effective Date: 10/15/2015
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1. GENERAL INFORMATION

Present document describes our tank T3-1. This tank is used is a close loop mud system with the right solids control equipment on top floor

The total volume is 518 BBL (21,756 gallons) in 4 compartments

Dimensions are : length 62' width 12' height 10'

Total with pipes 14'

Weight : 55,000 LBS

When equipment is loaded on tank, total weight is 120,000 LBS

- One centrifuge CS 18-3
- One Mud Cleaner
- 3 Shakers
- Walkway
- Trough
- 5 mixers
- Hopper
- Handrails
- Light poles

2. DESCRIPTION

2.1. TECHNICAL DATA

2.1.1. Compartments

One compartment "Sand Trap" of volume 141 BBL (5,922 gallons)

One compartment "Shakers" of volume 71 BBL (2,982 gallons)

One compartment "Active Pit" of volume 238 BBL (9,996 gallons)

One compartment "Pil Pit" of volume 68 BBL (2,856 gallons)

One compartment open with 4 centrifugal pumps.

2.1.2. One large trough for discharging in Mongoose Shakers

Quarter round steel trough open width is 18". Distribution to 3 shakers

Cement drain.

Receiver for 12" flow line

2.1.3. Stairways

Side stairway on each side of tanks. Width minimum 24"



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2.1.4. **Pumps**

6 (Six) Centrifugal pumps type Mission Magnum 6x5x11 with 50 HP motors.

- Hopper pump
- Mud Cleaner
- Gun lines pump
- 3 Charge pumps

1 Centrifugal pump 2"x1 1/2" dedicated to the centrifuge.

2.1.5. **Mixers**

5 (five) mixers

Each mixer is : PSI MAX 2000 with 10 HP motor
 Rotation : 25 to 32 rpm
 Paddle : 34"

2.1.6. **Manways**

5 manways 24" to access each compartment.

5 ladders from top of tank to inside.

2.1.7. **Walkways**

1 (one) walkways in front of shakers.

2.1.8. **Gun lines**

Dedicated gun lines 3" for each compartment.

2.1.9. **Hopper**

Hopper with an HDPE cover to limit dust during operation.

Unit equipped with a vacuum fan transferring dust in a 55 BBL drum

2.1.10. **Piping**

Multiple lines 6" for transfer of fluid to or from compartment.

See detail piping sketch

2.1.11. **Electrical**

Each pump 6x5x11 is connected to

One Breaker 100 Amps

One electric box for start/stop with double push button.

Hopper and Mud Cleaner pump have a remote start/stop in supplement

Feed pump for centrifuge is directly connected to the centrifuge control box.

For mixers and shakers.

One breaker 60 amps with one control box for mixers #1, #2, #3. One separate receptacle for Shaker #1 and 2.

One breaker 60 amps with one control box for mixers #4, #5.. One separate receptacle for Shaker #3. Switch for LED light on this box. 6 LED lights Class 1 Div2 are provided

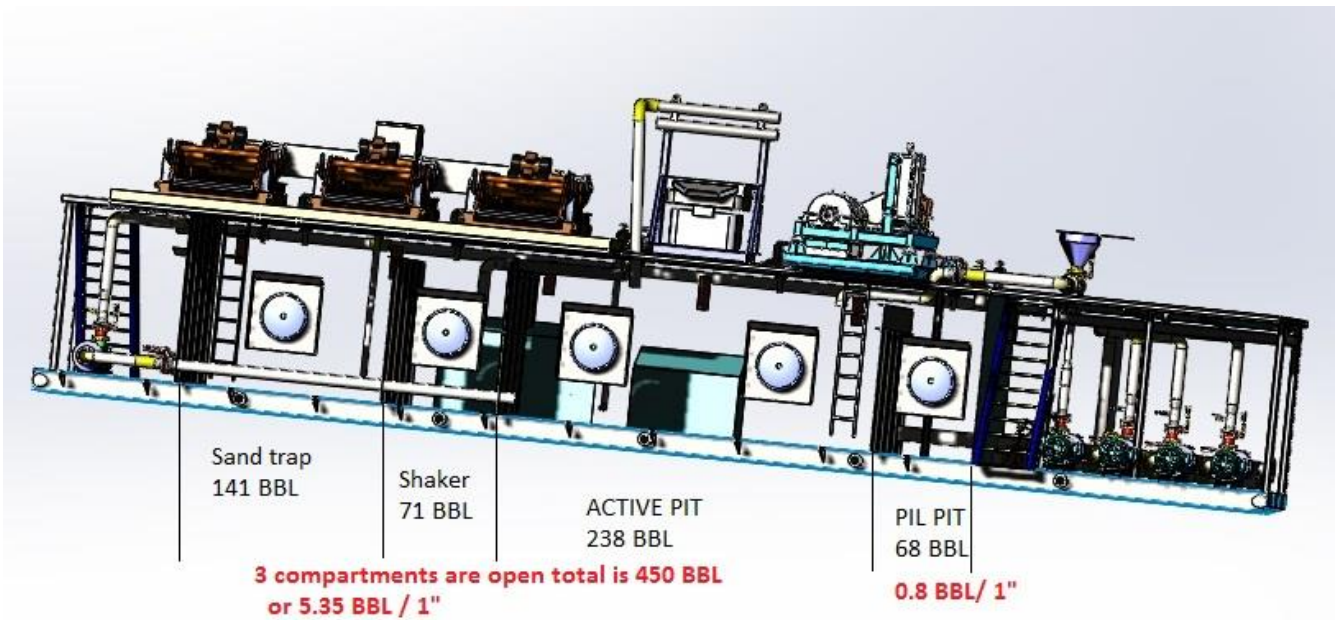
2.1.12. **Lifting devices**

Rigid 6" pipe with sling ends are situated at each end of the tank.



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