

US Treatment Report



Customer: PetroStar Services LLC

Rep: Chad Parks

Supervisor: Stephen Cardos

Job Type: US Remedial

Balanced Plug

Ria: Work Over

Well: Gutttersen 12-24

UWI: Gutttersen 12-24

Surface: SWNW 24, 3N, 64W

Job #: JOB00084241

Job Date: 6-18-2020

Time Requested: 7:00

Time Arrived: 7:00

Time Released: 11:30

254.4 sk MAG S 14.1 + 0.50% MCFR-2

Yield: 1.28 ft³/sk = 58bbls

Mix Water: 5.89 gal/sk = 1498.42gal

| | | | | | |
|-------------------|-------|-------------------------|------|---------------------------|-------|
| BHCT (F) | 86 | BHST (F) | 68 | Casing 1 Casing Size (in) | 8.625 |
| Casing 1 Grade | TBD | Casing 1 Weight (lb/ft) | 24 | Casing 2 Casing Size (in) | 4.5 |
| Casing 2 Grade | TBD | Casing 2 Weight (lb/ft) | 10.5 | Coil Tubing (in) | 1.5 |
| Coil Tubing Grade | TBD | Coil Tubing Length (ft) | 1740 | Coil Tubing WT (lb/ft) | TBD |
| Hole Size (in) | 4.5 | Max Pressure (psi) | 2500 | Mud Density (lb/gal) | 8.3 |
| Mud Type | water | Perfs Set 1 (ft) | 550 | Perfs Set 2 (ft) | 550 |
| TMD (ft) | 1800 | TVD (ft) | 1800 | | |

Treatment Info: Sacks Used: 0 Sacks Not Used: 0

Preflush: 5bbls Fresh Water

Circulation Time: 0

Slurry Temp: 110 **Bulk Sample:** Yes

Water Temp: 45 **Water Sample:** Yes

Bulk Temp: 60 **Slurry Sample:** Yes

Slurry Returns: 2 Plug Bumped: No **Pump Out Lines:** Yes **Float Held:** No

Displace: 4bbls Fresh Water & 4bbls Fresh Water

| Time | Pressure psi | Annular Pressure psi | Volume Per Stage bbls | Total Stage Volume bbls | Rate bbls/min | Treatment Detail |
|-------|-----------------|----------------------------|--------------------------------|-------------------------------|------------------|---|
| 07:00 | 0.00 | | | | | Arrive on Location - Arrive on location, requested time was 07:00 |
| 07:30 | 0.00 | | | | | Rig pump unit into third party coil unit |
| 08:30 | 0.00 | | | | | Safety Meeting - Hold pre job safety meeting with all parties on location |
| 08:42 | 2,800.00 | | 2 | | 1 | Start Pressure Test - Pressure Test Lines, Good test |
| 08:46 | 200.00 | | 2 | | 1.2 | Attain Circulation to Surface - Establish circulation through coil to flow back tank |
| 09:09 | 900.00 | | 5.1 | | 1.2 | Pump Slurry - Pump 5.1bbls of Mag S14.1, 23sks, Y: 1.28, WR: 5.89. Top of plug1480' |
| 09:14 | 400.00 | | 4 | | 1.2 | Displace - Displace Coil volume with fres water |
| 09:18 | 0.00 | | | | | Stop Pumping - Shut down, Coil PUH to 889' |
| 09:30 | 700.00 | | 5 | | 1.2 | Attain Circulation to Surface - Establish circulation through surface casing vlave |
| 09:52 | 900.00 | | 20 | | 1.2 | Pump Slurry - Pump 20bbls MagS 14.1, Y: 1..28, WR: 5.89, 87.7sks Fill 4.5"casing to surface |
| 10:14 | 0.00 | | | | | Stop Pumping - Coil at surface, Switch to surface casing valve for returns up annulus |
| 10:16 | 1,700.00 | | 33 | | 1.2 | Pump Slurry - Fill surface casing with Mag S 14.1ppg, 144.5sks, |



Customer: PDC
Date: June 18 2020
Ticket: 84241

Well Name: Gutterson 12-24
UWI: Gutterson 12-24
Job Type: Abandonment Plug

Unit
1015



