

30-045-33173

HALLIBURTON

Rockies, Farmington

Lab Results-PE

Job Information

| | | | | | |
|--------------|------------------------|----------|--------------|------|----------------------|
| Request ID | 2019078/1 | Rig Name | | Date | 23/OCT/2015 |
| Submitted By | Natasha Yazzie | Job Type | Misc Pumping | Well | Largo Federal B #002 |
| Customer | Dugan Production Corp. | Location | | | |

Well Information

| | | | |
|-----------|---------|-----------|-----------------------|
| Formation | Unknown | Depth MD | BHST |
| Pressure | | Depth TVD | Cool Down Temperature |

Fluid Results Request ID 2019078/ 1

Water Analysis, Request Test ID:30095609

| Started By | Stopped By | Start Date | Start Time | Stop Date | Stop Time | Test Status | Attachment Count |
|------------|------------|-------------|------------|-------------|------------|-------------|------------------|
| 584952 | 584952 | 23/OCT/2015 | 3:52:38 PM | 23/OCT/2015 | 3:53:47 PM | Finished | 0 |

| Tank Number/Sour ce | Specific Gravity | pH | Chlorides (mg/L) | Calcium (mg/L) | Magnesium (mg/L) | Dissolved Iron (mg/L) | Potassium (mg/L) | Bicarbonates (mg/L) | Carbonates (mg/L) |
|---------------------|------------------|------|------------------|----------------|------------------|-----------------------|------------------|---------------------|-------------------|
| 1 | 1.006 | 7.49 | 437 | 10 | 12 | 3.92 | 400 | 292 | 0 |

| Hydroxides (mg/L) | Sulfates (mg/L) | Sodium (mg/L) | TDS (mg/L) | Rw Resistivity (Ohms-Meter) | Temperature (°F) | % Water | % Oil | % Solids |
|-------------------|-----------------|---------------|------------|-----------------------------|------------------|---------|-------|----------|
| 0 | 2 | 120 | 1003 | 6 | 64.3 | 100 | 0 | 0 |

Turbidity 31.9FNU
Conductivity 1990µS/cm
Color Tan

OIL CONS. DIV DIST. 3

NOV 19 2015

H2O Rate - 30 min. to fill sample bottle, .5 liter

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