

Federal #1

API #30-025-08463

State Lease ID 20382

Sec 18, T-20S, R-34E Lea County, NM

5/2/2017

Met with Elite Well Service supervisor. Move in frac tanks. NU Guardian frac valve.

| | |
|---------------------|-----------------|
| Supervisory | \$480.00 |
| Mileage | \$358.00 |
| Daily Total: | \$838.00 |

5/3/2017

Haul 1000 bbls. fresh water to frac tanks. Met with chemical company representative to test water before frac job.

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| Supervisory | \$480.00 |
| Mileage | \$300.00 |
| Daily Total: | \$780.00 |
| Total to date: | \$1618.00 |

5/4/2017

Hook up blowdown line from frac head to 300 bbl. stock tank. Install 5000# valves on blowdown line. RU Elite Well Services. Test lines to 5000#. Frac perfs @ 3507-3532' via 4 ½" casing as follows:

| | Clean Volume | Stage Type | Fluid Type | Prop Conc | Prop Type |
|-------|--------------|------------|----------------|-----------|-----------|
| Stage | (Gal) | | | (lb/gal) | |
| 1 | 3,000 | Pre-pad | 13# linear gel | 0 | |

| | | | | | |
|---|--------|---------|----------------|------|---------------|
| 2 | 10,000 | Pad | 13# Borate | 0 | |
| 3 | 1,500 | RC Prop | 13# Borate | 1.00 | 20/40 Coolset |
| 4 | 3,000 | RC Prop | 13# Borate | 2.00 | 20/40 Coolset |
| 5 | 4,000 | RC Prop | 13# Borate | 3.00 | 20/40 Coolset |
| 6 | 4,000 | RC Prop | 13# Borate | 4.00 | 20/40 Coolset |
| 7 | 3,100 | RC Prop | 13# Borate | 5.00 | 20/40 Coolset |
| 8 | 2,383 | | 13# Linear Gel | | |

AVG Rate 20 BPM

AVG Pressure 1707 psi

MAX Rate 20 BPM

MAX Pressure 2198 psi

ISIP 1711 psi

5 Min. 1430 psi

10 Min. 1135 psi

15 Min. 927 psi

SWI & RD frac crew. Will run tubing & pump on Monday. Left well open to frac tanks all weekend. 752 bbls WTR.

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|-----------------------|--------------------|
| Elite Well Services | \$47,000.00 |
| Banta | \$640.00 |
| Supervisory | \$900.00 |
| Mileage | \$339.00 |
| Gandy's (frac water) | \$2480.00 |
| Daily Total: | \$51,359.00 |
| Total to Date: | \$52,977.00 |

5/5/2017

Hook well up to flow to frac tanks. Left well open

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|-----------------------|--------------------|
| Guardian | \$1479.00 |
| Banta | \$450.00 |
| Supervisory | \$900.00 |
| Mileage | \$310.00 |
| Daily Total: | \$3,3139.00 |
| Total to Date: | \$56,116.00 |

5/6/2017

Well open to frac tanks but not flowing.

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|-----------------------|--------------------|
| Total to Date: | \$56,116.00 |
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5/7/2017

Well open to frac tanks but not flowing.

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|-----------------------|--------------------|
| Total to Date: | \$56,116.00 |
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5/8/2017

MIRU, ND frac valve, set out of way, N U BOP & RU Envirovac pan, Hydrotest tbg into hole

| | |
|---------------|-------------------|
| Talley 2 3/8" | 108 jts (3404.8') |
| BP | 0.5 |
| MA | 32.4 |
| PerfSub | 3.0 |
| SN | 1.1 |

EOT@3455.8'

RD Hydrotest, Envirotub, ND BOP & NU WH RU to run rods, secure well & SDFN

| | |
|-----------------------|--------------------|
| Supervisory | \$900.00 |
| Mileage | \$303.00 |
| Reliable | \$2253.00 |
| G & L | \$400.00 |
| Hydrotest | \$1268 |
| D & L Meters | \$326.00 |
| Double R Pipe | \$655.00 |
| Daily Total: | \$6,105.00 |
| Total to Date: | \$62,221.00 |

5/9/2017

Crew on location. Remove thread protectors on rods. Load and test rod pump 16 x 1½ x 2 RWTC

(Open casing and on vacuum, also tubing)

| | | | | | |
|----------|----|-----------|--------------------|-------|------------|
| | 1 | P.R. & L. | PR 12' | L 10' | |
| | 2 | Pony sub | 2' | | |
| | 3 | Pony sub | 6' | | |
| | 4 | Pony sub | 8' | | |
| | 5 | 85 – ¾ | 2,125' | | D-yellow |
| | 6 | 1 – ¾ | 25' | | KD – green |
| | 7 | 18 – ¾ | 450' | | C – white |
| | 8 | 13-3/4 | 325' | | K – Blue |
| | 9 | 17 – 7/8 | 425' | | K – Blue |
| Lift Sub | 10 | 1 – 7/8 | 1' | | |
| | 11 | Pump | 16' x 1 ½ x 2 RWTC | | |

Stroke pump is pumping. Space out rods and hang well on. Build wellhead and tie into flowline to frac tank. Pumpjack on manual run for few strokes and shut off – reset same. Contact Haarmeyer Electric to

discuss problem, adjust amp setting on holding coil and run unit. OK. Balance good. G & L arrives. Load tubing and clear flowline to frac tanks with 15 bbls water. Put water down casing and check pump action. Pressure up to 300 psi & release pressure, repeat. Shut down. Rig down Reliable rig and release. Turn pumping unit back on. Test pump action and let unit run and pump frac water to frac tanks. LWTR 752 bbls.

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|-----------------------|--------------------|
| Supervisory | \$900.00 |
| Mileage | \$297.00 |
| Frac tanks | \$1000.00 |
| Reliable | \$2189.00 |
| American Pump | \$300.00 |
| G & L | \$200.00 |
| Daily Total: | \$4886.00 |
| Total to Date: | \$67,107.00 |

05/10/2017

Well pumping. Recovering load. Recovered 32 bbls. LWTR – 720 bbls.

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|-----------------------|--------------------|
| Tank Rental | \$50.00 |
| Patriot | \$2083.00 |
| Daily Cost: | \$2133.00 |
| Total to Date: | \$69,240.00 |

5/11/2017

Well pumping. Show of oil, bubbles in tank. Recovering load. Recovered 46 bbls. LWTR 674 bbls.

| | |
|-----------------------|--------------------|
| Tank Rental: | \$50.00 |
| Daily Total: | \$50.00 |
| Total to Date: | \$69,290.00 |

5/12/2017

Well pumping. 9bbls. oil. 55 bbls. water recovered. LWTR 610 bbls.

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|-------------|---------|
| Tank Rental | \$50.00 |
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| Daily Total: | \$50.00 |
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| Total to Date: | \$69,340.00 |
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5/13/2017

Well pumping. 9 bbls. oil. 98 bbls. water. Total fluid in tanks 302 bbls. LWTR 512 bbls.

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| Tank Rental | \$50.00 |
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| Daily Total: | \$50.00 |
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| Total to Date: | \$69,390.00 |
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5/14/2017

Well pumping. 9 bbls. oil. 80 bbls. water. LWTR 432 bbls.

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| Tank Rental | \$50.00 |
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| Daily Total: | \$50.00 |
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| Total to Date: | \$69,440.00 |
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5/15/2017

Well pumping. 9 bbls. oil. 64 bbls. water. LWTR 368 bbls.

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| Supervisory | \$450.00 |
|-------------|----------|

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| Mileage | \$326.00 |
| Gandy's | \$511.00 |
| Tank Rental | \$50.00 |
| Daily Total: | \$1337.00 |
| Total to Date: | \$70,777.00 |

5/16/2017

Well pumping. 9 bbls. oil. 45 bbls water. Total water on site 508 bbls. LWTR 323 bbls.

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|-----------------------|--------------------|
| Supervisory | \$450.00 |
| Mileage | \$270.00 |
| Tank Rental | \$50.00 |
| Daily Total: | \$770.00 |
| Total to Date: | \$71,547.00 |

5/17/2017

Well pumping. 9 bbls. oil. 45 bbls. water. LWTR 278 bblss.

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|-----------------------|--------------------|
| Tank Rental | \$50.00 |
| Daily Total: | \$50.00 |
| Total to Date: | \$71,597.00 |

5/18/2017

Well pumping. 11 bbls. oil 36 water. LWTR 242 bbls.

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|-------------|----------|
| Supervisory | \$900.00 |
| Mileage | \$292.00 |

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|-----------------------|--------------------|
| G & L | \$2250.00 |
| Banta | \$2600.00 |
| Tank Rental | \$50.00 |
| Daily Total: | \$6092.00 |
| Total to Date: | \$77,689.00 |