



CEMENT REPORT - PAGE 1

Service Order #: 18380

Date: 20-Oct-14

| Well Name | Location | County | St | API# | | |
|----------------------|---------------|-----------------|-----------|-----------------|------|-----|
| HAVEN HTL L14-15 4N4 | SEC 15 4N 47W | YUMA | CO | 05-125-12126-00 | | |
| Formation | Cement Via | Type Of Service | Well Type | Age | AFE# | PO# |
| NIOBRARA (SH) | CASING | SURFACE | GAS | NEW | | |

Customer: EXCELL SERVICES LLC

Remarks: 200 SACKS 50/50 POZ 14.8# 1.14 YIELD
3% CALCIUM CHLORIDE
.25 LBS/SACK CELLOFLAKE

CIRCULATED 20 BBLS OF CMT TO PIT

Customer Rep: MARK

PH:

WELLBORE DATA

| Type | Size | Weight | Depth | Volume |
|--------------------|-------|--------|-------|--------|
| Surface Casing: | 7.000 | 20.0 | 458.0 | |
| Production Casing: | | | | |
| Intermediate: | | | | |
| Drill Pipe: | | | | |
| Tubing: | | | | |

OTHER DATA

| BHT | Max PSI | Total Depth |
|-----|---------|-------------|
| 120 | 100 | 463.0 |

Packer or Retainer Type / Depth:

| | |
|--|--|
| | |
|--|--|

| Type | Size | Depth (Top) | Depth (Bot) | Volume |
|------------|-------|-------------|-------------|--------|
| Liner: | | | | |
| Open Hole: | 9.875 | 0.0 | 463.0 | |

| Perf Depths: | # | Total |
|--------------|---|-------|
| | 0 | 0 |
| | 0 | |
| | 0 | |

| TIME | PUMP RATES | | DENSITY | PRESS | STO TOT | TOTAL | REMARKS |
|-------|-------------|------------|----------|-------|---------|--------|------------------------------------|
| | WATER (gpm) | PUMP (bpm) | (lb/gal) | (psi) | (bbls) | (bbls) | |
| 14:05 | 0 | 0.0 | 0.00 | 0 | | 0.0 | ARRIVED ON LOCATION WAITING ON RIG |
| 15:19 | 0 | 0.0 | 2.27 | 6 | | 221.9 | RIGS READY |
| 15:39 | 37 | 0.0 | 13.96 | 0 | | 0.0 | START 14.8 # CMT |
| 15:49 | 0 | 1.8 | 14.62 | 35 | | 43.2 | DROP PLUG |
| 15:50 | 0 | 2.3 | 16.70 | 41 | | 46.4 | START WATER |
| 15:54 | 0 | 4.8 | 11.20 | 175 | | 60.1 | END DISPLACEMENT OFFLINE |
| 16:00 | 499 | 0.0 | 8.79 | 0 | | 60.3 | START CLEAN UP |

Summary

| | | | |
|--------------|--------------|---------|---------|
| Max Fl. Rate | Avg Fl. Rate | Max Psi | Avg Psi |
| 4.8 | 7.2 | 282 | 62 |

Customer Acknowledgement:

Service Rating:

Cementar:

PRODUCTS USED

☒ Satisfactory
☐ Unsatisfactory

A. HOWELL

BASIC

energy services, L.P.

TREATMENT REPORT

| | | |
|-------------------------------------|------------------------------|------------------------------------|
| Customer EXCEL SERVICES | Lease No. | Date 10-22-2014 |
| Lease HAVEN HILL 14-15 4N47W | Well # TD | |
| Field Order # 724-12052 | API - 05-125-12124-00 | Casing 4 1/2" 13011' |
| Type Job CNW - 4 1/2" L.S. | Formation NIOBRARA | Legal Description 15-4N-47W |
| | County YUMA | State CO |

| PIPE DATA | | PERFORATING DATA | | FLUID USED | | TREATMENT RESUME | |
|---------------------------------|--------------|------------------|-------|-------------------------------------------|-----------------------------------|------------------|------------------|
| Casing Size 4 1/2" 10.5" | Tubing Size | Shot/A | CMT - | 169 SK 50/50 PZ | W/12% GEL, 2% CC | ISIP | |
| Depth 2166.23 | Depth | From | To | Pre Pad 20.23 CWT | Max | | 5 Min. |
| Volume | Volume | From | To | 175 SK 50/50 PZ | Min 2% CC, 2% GEL, .25% CF | | |
| Max Press 1500 | Max Press | From | To | Pre 21.37 CWT | Avg | | 15 Min. |
| Well Connection PIC | Annulus Vol. | From | To | | HHP Used | | Annulus Pressure |
| Plug Depth | Packer Depth | From | To | Flush 47 BBL 2% KCL/H₂O | | | Total Load |

Customer Representative **MARK ZION** Station Manager **J. CROCK** Treater **K. LESLEY**

| | | | | | | | | | |
|---------------|--|--|--|--|--|--|--|--|--|
| Service Units | | | | | | | | | |
| Driver Names | | | | | | | | | |

| Time | Casing Pressure | Tubing Pressure | Bbls. Pumped | Rate | Service Log |
|----------|-----------------|-----------------|--------------|------|----------------------------------|
| 10:30 PM | | | | | ON LOCATION - SAFETY MEETING |
| 11:45 PM | | | | | RIG UP TO 4 1/2" x 10.5" CSG. |
| 2:50 PM | | | 10 | 5 | RUN COLORED WATER |
| 2:52 PM | | | 40 | 5 | KCL/H ₂ O SPACER |
| 3:00 PM | | | 67 | 5 | MIX LEAD CMT @ 12 PPG = 169 SKS |
| 3:13 PM | | | 18 | 5 | MIX TAIL CMT @ 13.8 PPG = 75 SKS |
| 3:46 PM | | | | | SHUT DOWN - CLEAR PUMP, LINE |
| 3:18 PM | | | | | DROP LATCH DOWN PLUG |
| 3:20 PM | | | 0 | 5 | START DISPLACEMENT |
| 3:24 PM | | | 20 | 5 | LIFT PRESSURE |
| 3:28 PM | | | 40 | 3 | SLOW RATE |
| 3:30 PM | | | 47 | 2 | PLUG DOWN - HELD 5 MIN. |
| | | | | | RELEASE PSI |
| | | | | | PLUG @ DESIRED DEPTH |
| | | | | | CIRC. THRU JDB |
| | | | | | CIRC. 26 BBL TO PIT |
| | | | | | JDB COMPLETE, |
| | | | | | THANKS - |
| | | | | | K. LESLEY |