



## Cementing Service Report

9206658

|  |   |                         |                            |   |
|--|---|-------------------------|----------------------------|---|
| Client Name<br>Bonanza Creek Energy Operation<br>Co, LLC | Well Name<br>North Platte P31 - T34 -<br>34HC | Rig<br>Xtreme 22        | Job Date<br>August 20,2015 | Call Sheet<br>1060146                       |
| Client Representative<br>Mr. Tim Joel                    | Surface Well Location<br>Sec 34:T5N:R63W      | Down Hole Well Location | Job Type<br>Surface Casing | Lead Supervisor<br>Maguire, Matthew (26325) |

### Well Profile

|  |          |
|--|----------|
| Well Type:                                     | Oil      |
| Maximum Treating Pressure (psi):               | ---      |
| Predicted Bottom Hole Static Temperature (°F): | --- @ -- |
| Bottom Hole Circulating Temperature (°F):      | --- @ -- |
| Bottom Hole Logged Temperature (°F):           | --- @ -- |

### Open Hole

| <u>Size (in)</u> | <u>Excess (%)</u> | <u>TMD From (ft)</u> | <u>TMD To (ft)</u> | <u>TVD From (ft)</u> | <u>TVD To (ft)</u> |
|------------------|-------------------|----------------------|--------------------|----------------------|--------------------|
| 13.500           | 50.000            | 0.000                | 1,682.000          | --                   | --                 |

### Casing

| <u>Size</u><br><u>(in)</u> | <u>Weight</u><br><u>(lb/ft)</u> | <u>Grade</u> | <u>Collapse Pressure</u><br><u>(psi)</u> | <u>Internal Yield Pressure</u><br><u>(psi)</u> | <u>Capacity</u><br><u>(bbl)</u> | <u>I.D.</u><br><u>(in)</u> | <u>O.D.</u><br><u>(in)</u> | <u>Depth From</u><br><u>(ft)</u> | <u>Depth To</u><br><u>(ft)</u> |
|----------------------------|---------------------------------|--------------|--|--|---------------------------------|----------------------------|----------------------------|----------------------------------|--------------------------------|
| 9.625                      | 36.000                          | J-55         | 2,020.0                                  | 3,520.0  | 125.90                          | 8.921                      | 10.625                     | 0.0                              | 1,628.6                        |

### Products

#### Stage 1

From Depth (ft): 1628.55

To Depth (ft): 0

Acids/Blends/Fluids :

Tail: 835 Sacks of 0:1:0 Type III, Density = 14.2 lb/gal, Volume Pumped = 217.1 (bbl)

Water Temperature(°F) = 60 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 60

+ 1 % of CaCl<sub>2</sub> (Preblend),

+ 0.25 lb/sack of Polyflake (Preblend)

#### Stage 2

From Depth (ft):

To Depth (ft):

Acids/Blends/Fluids :

### Fluid & Cement Data

Expected Cement Top: Surface

#### Wellbore Fluid

| <u>Fluid Type</u> | <u>Viscosity (cP)</u> | <u>Density (lbs/gal)</u> | <u>Yield Point (psi)</u> | <u>Temperature (°F)</u> | <u>Recorded@</u>   |
|-------------------|-----------------------|--------------------------|--------------------------|-------------------------|--------------------|
| Water             | --                    | 8.400                    | --                       | --                      | Feb 26, 2015 14:02 |

### Attachment & Tools

#### Tubular Plugs

| <u>Tubular Plug Type</u> | <u>Size (in)</u> | <u>Supplier</u> |
|--------------------------|------------------|-----------------|
| Rubber Top               | 9.625            | Client          |



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**Units & Personnel**

| <b>Units</b>          |                  |                 |                         |                  |                  |                         |                          |
|-----------------------|------------------|-----------------|-------------------------|------------------|------------------|-------------------------|--------------------------|
| <u>Truck Unit No.</u> | <u>Main Type</u> | <u>Sub Type</u> | <u>Tractor Unit No.</u> | <u>Main Type</u> | <u>Sub Type</u>  | <u>Time On Location</u> | <u>Time Off Location</u> |
| 449095                | TRAILER          | Utility Trailer | 201168                  | PICKUP           | 1 Ton            | 08/20/2015 14:30        | 08/21/2015 10:30         |
| 445046                | TRAILER          | SCM Twin        | 745046                  | TRACTOR          | Tandem - Tractor | 08/20/2015 14:30        | 08/21/2015 10:30         |
| 446167                | TRAILER          | Bulker          | 746167                  | TRACTOR          | Tandem - Tractor | 08/20/2015 14:30        | 08/21/2015 10:30         |
| 446047                | TRAILER          | Bulker          | 746047                  | TRACTOR          | Tandem - Tractor | 08/20/2015 14:30        | 08/21/2015 10:30         |

**Crew and Bonuses**

| <u>Employee</u>                    | <u>Start Shift</u> | <u>End Shift</u> | <u>Second Start Shift</u> | <u>Second End Shift</u> |
|------------------------------------|--------------------|------------------|---------------------------|-------------------------|
| Maguire, Matthew (26325)           | 08/20/2015 14:30   | 08/21/2015 10:30 |                           |                         |
| Prigmore, Dominic (27161)          | 08/20/2015 14:30   | 08/21/2015 10:30 |                           |                         |
| Melgarejo Herrera, Eduardo (26606) | 08/20/2015 14:30   | 08/21/2015 10:30 |                           |                         |
| Decenick, Scott (30083)            | 08/20/2015 14:30   | 08/21/2015 10:30 |                           |                         |

**Treatment Reports & Remarks**

| Treatment Reports & Remarks               |                   |   |                |                   |                           |                           |                       |                       |
|---|-------------------|---|----------------|-------------------|---------------------------|---------------------------|-----------------------|-----------------------|
| Treatment Report                          |                   |   |                |                   |                           |                           |                       |                       |
| Event #                                   | Event Time        | Event Description   | Fluid Type     | Rate<br>(bbl/min) | Tubular Pressure<br>(psi) | Annular Pressure<br>(psi) | Stage Volume<br>(bbl) | Total Volume<br>(bbl) |
| 1   | Aug 20,2015 14:30 | Arrive On Location  |                | --                | --                        | --                        | --                    | 0.00                  |
|   |                   | Remarks: Signed in at lease entrance, checked in with company rep Mr. Tim Joel. |                |                   |                           |                           |                       |                       |
| 2   | Aug 20,2015 14:40 | Tailgate Meeting  |                | --                | --                        | --                        | --                    | 0.00                  |
|   |                   | Remarks: JSA.   |                |                   |                           |                           |                       |                       |
| 3   | Aug 21,2015 06:00 | Crew Briefing (Rig in)  |                | --                | --                        | --                        | --                    | 0.00                  |
| 4   | Aug 21,2015 06:20 | Rig in Complete   |                | --                | --                        | --                        | --                    | 0.00                  |
| 5   | Aug 21,2015 06:21 | Crew Briefing (Pre Job)   |                | --                | --                        | --                        | --                    | 0.00                  |
| 6   | Aug 21,2015 06:25 | STEACS Briefing   |                | --                | --                        | --                        | --                    | 0.00                  |
| 7   | Aug 21,2015 06:35 | Sign-off on Safety  |                | --                | --                        | --                        | --                    | 0.00                  |
| 8   | Aug 21,2015 06:43 | Start - Fluid   | Water          | 2.50              | 50.0                      | --                        | 2.00                  | 2.00                  |
|   |                   | Remarks: Filled lines.  |                |                   |                           |                           |                       |                       |
| 9   | Aug 21,2015 06:46 | Pressure Test Start   | Water          | --                | 2,000.0                   | --                        | --                    | 2.00                  |
| 10  | Aug 21,2015 06:47 | Pressure Test Complete  | Water          | --                | 2,000.0                   | --                        | --                    | 2.00                  |
|   |                   | Remarks: All lines held pressure.   |                |                   |                           |                           |                       |                       |
| 11  | Aug 21,2015 06:48 | Establish Circulation   | Water          | 3.50              | 600.0                     | --                        | 20.00                 | 22.00                 |
|   |                   | Remarks: Polyflake and WG-1L in first 10 bbls for indicator marker.             |                |                   |                           |                           |                       |                       |
| 12  | Aug 21,2015 06:56 | Mix Cement  | 0:1:0 Type III | 4.00              | 140.0                     | --                        | 217.10                | 239.10                |
|   |                   | Remarks: WR=7.32,   |                |                   |                           |                           |                       |                       |
| 13  | Aug 21,2015 08:02 | Stop  |                | --                | --                        | --                        | --                    | 239.10                |
| 14  | Aug 21,2015 08:06 | Drop Plug   |                | --                | --                        | --                        | --                    | 239.10                |
| 15  | Aug 21,2015 08:07 | Displace Fluid  | Water          | 6.00              | 1,400.0                   | --                        | 125.90                | 365.00                |
| 16  | Aug 21,2015 08:43 | Bump Plug   | Water          | --                | 1,400.0                   | --                        | --                    | 365.00                |
| 17  | Aug 21,2015 08:46 | Check Float   | Water          | --                | 1,400.0                   | --                        | --                    | 365.00                |
|   |                   | Remarks: Float held, 0.5 bbls back to truck.                                    |                |                   |                           |                           |                       |                       |
| 18  | Aug 21,2015 08:46 | Pressure Test   | Water          | --                | 1,500.0                   | --                        | --                    | 365.00                |
|   |                   | Remarks: Test was successful, 1 bbl back to truck.                              |                |                   |                           |                           |                       |                       |
| 19  | Aug 21,2015 09:00 | Stop  |                | --                | --                        | --                        | --                    | 365.00                |
| 20  | Aug 21,2015 09:10 | Wash  | Water          | 1.50              | 100.0                     | --                        | 20.00                 | 365.00                |
| 21  | Aug 21,2015 09:40 | Rig Out   |                | --                | --                        | --                        | --                    | 365.00                |
|   |                   | Remarks: Revisit JSA.   |                |                   |                           |                           |                       |                       |
| 22  | Aug 21,2015 10:15 | Pre-Departure Meeting   |                | --                | --                        | --                        | --                    | 365.00                |
| 23  | Aug 21,2015 10:25 | Job Complete  |                | --                | --                        | --                        | --                    | 365.00                |
| 24  | Aug 21,2015 10:30 | Leave Location  |                | --                | --                        | --                        | --                    | 365.00                |
|   |                   | Remarks: Revisit JSA, leave location safely.                                    |                |                   |                           |                           |                       |                       |
| Did Float Hold:                           |                   | Yes   |                |                   |                           |                           |                       |                       |
| Fluid Returns :                           |                   | Yes   |                |                   |                           |                           |                       |                       |
| Type :                                    |                   | Cement  |                |                   |                           |                           |                       |                       |
| Volume (bbl) :                            |                   | 85  |                |                   |                           |                           |                       |                       |
| Temperature (°F) :                        |                   | 85  |                |                   |                           |                           |                       |                       |
| FDAS Functioning Correctly :              |                   | Yes   |                |                   |                           |                           |                       |                       |
| Was the Program Followed As Per Design? : |                   | Yes   |                |                   |                           |                           |                       |                       |



**Treatment Reports & Remarks**

**Material Transfer Sheet Number**

Material Transfer Sheet Number

65508

65509

65510



|            |  |            |                               |                  |                 |
|------------|--|------------|-------------------------------|------------------|-----------------|
| Client     | Bonanza Creek Energy Operation Co. LLC   | Client Rep | Mr. Tim Joel                  | Supervisor       | Matthew Maguire |
| Ticket No. | 9206658  | Well Name  | North Platte P31 - T34 - 34HC | Unit No.         | 445046          |
| Location   | Sec 34:T5N:R63W  | Job Type   | Surface Casing                | Service District | 505             |
| Comments   | Fill lines, PT 2000psi, 20 bbls water, 217.1 bbls slurry, WR=7.32, Y=1.46, D=14.2, Sk Wt=95.19, 145.5 bbls mix water, stop, drop plug, 125.9 bbls displacement, bump plug 500psi over, check float, casing test, stop. |            |                               | Job Date         | 08/21/2015      |

