



Cementing Service Report

9206629

| | | | | |
|--|--|--------------------------------|---------------------------------|--|
| Client Name Bonanza Creek Energy Operation Co, LLC | Well Name Pronghorn C - W - 28HNC | Rig Extreme Drilling Inc 20 | Job Date August 04,2015 | Call Sheet 1059721 |
| Client Representative Mr. George Hine | Surface Well Location SW SW Sec 28:T5N:R61W | Down Hole Well Location | Job Type Intermediate Casing | Lead Supervisor Svoboda, Miloslav (28226) |

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> |
|------------------|-------------------|----------------------|--------------------|----------------------|--------------------|
| 8.750 | 30.000 | 760.000 | 6,728.000 | 0.000 | 6,125.000 |

Casing

| <u>Size</u> <u>(in)</u> | <u>Weight</u> <u>(lb/ft)</u> | <u>Grade</u> | <u>Collapse Pressure</u> <u>(psi)</u> | <u>Internal Yield Pressure</u> <u>(psi)</u> | <u>Capacity</u> <u>(bbl)</u> | <u>I.D.</u> <u>(in)</u> | <u>O.D.</u> <u>(in)</u> | <u>Depth From</u> <u>(ft)</u> | <u>Depth To</u> <u>(ft)</u> |
|----------------------------|---------------------------------|--------------|--|--|---------------------------------|----------------------------|----------------------------|----------------------------------|--------------------------------|
| 9.625 | 36.000 | J-55 | 2,020.0 | 3,520.0 | 58.75 | 8.921 | 10.625 | 0.0 | 760.0 |
| 7.000 | 26.000 | P-110 | 6,210.0 | 9,520.0 | 255.28 | 6.276 | 7.656 | 0.0 | 6,672.0 |

Products

Stage 1

| | |
|------------------|------|
| From Depth (ft): | 0 |
| To Depth (ft): | 5000 |

Acids/Blends/Fluids :

Lead 1: 540 Sacks of 1:1:6 Poz Type III Gel, Density = 12.5 lb/gal, Volume Pumped = 172 (bbl)
Water Temperature(°F) = 70 , Bulk Temperature(°F) = 80 , Slurry Temperature(°F) = 85
+ 0.8 % of CFL-2 (Preblend),
+ 0.4 % of AS-3 (Preblend),
+ 0.4 % of CDF-4P (Preblend),
+ 0.2 % of LTR (Preblend),
+ 0.25 lb/sack of Polyflake (Preblend)

Stage 2

| | |
|------------------|------|
| From Depth (ft): | 5000 |
| To Depth (ft): | 6717 |

Acids/Blends/Fluids :

Tail: 310 Sacks of 1:1:2 Poz G Gel, Density = 14.6 lb/gal, Volume Pumped = 63 (bbl)
Water Temperature(°F) = 70 , Bulk Temperature(°F) = 80 , Slurry Temperature(°F) = 85
+ 0.6 % of CFL-8 (Preblend),
+ 0.25 % of FMC (Preblend),
+ 0.25 lb/sack of Polyflake (Preblend)

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 | -- | 8.340 | -- | -- | Jul 27, 2015 14:30 |
| Water Based Mud | -- | -- | -- | -- | Jul 27, 2015 14:30 |

Attachment & Tools

Down Hole Tools

| <u>Tool Type</u> | <u>Depth (ft)</u> | <u>Supplier</u> |
|------------------|-------------------|-----------------|
| Guide/Float Shoe | 6,672.000 | Client |

Tubular Plugs

| <u>Tubular Plug Type</u> | <u>Size (in)</u> | <u>Supplier</u> |
|--------------------------|------------------|-----------------|
| Rubber Top | 7.000 | Sanjel |

Units & Personnel

Units

| <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> |
|-----------------------|------------------|-----------------|-------------------------|------------------|------------------|-------------------------|--------------------------|
| 449087 | TRAILER | Utility Trailer | 201168 | PICKUP | 1 Ton | 08/04/2015 21:00 | 08/05/2015 02:00 |
| 445046 | TRAILER | SCM Twin | 745046 | TRACTOR | Tandem - Tractor | 08/04/2015 21:00 | 08/05/2015 02:00 |
| 446152 | TRAILER | Bulker | 746152 | TRACTOR | Tandem - Tractor | 08/04/2015 21:00 | 08/05/2015 02:00 |
| 446153 | TRAILER | Bulker | 746153 | TRACTOR | Tandem - Tractor | 08/04/2015 21:00 | 08/05/2015 02:00 |

Crew and Bonuses

| <u>Employee</u> | <u>Start Shift</u> | <u>End Shift</u> | <u>Second Start Shift</u> | <u>Second End Shift</u> |
|---------------------------|--------------------|------------------|---------------------------|-------------------------|
| Svoboda, Miloslav (28226) | 08/04/2015 18:30 | 08/05/2015 04:00 | | |
| Leue, David (28684) | 08/04/2015 18:30 | 08/05/2015 04:00 | | |
| Doran, Benjamin (27933) | 08/04/2015 18:30 | 08/05/2015 04:00 | | |
| Orist, Mark (28876) | 08/04/2015 18:30 | 08/05/2015 04:00 | | |

Treatment Reports & Remarks

Treatment Reports & Remarks

Treatment Report

| Event # | Event Time | Event Description | Fluid Type | Rate (bbl/min) | Tubular Pressure (psi) | Annular Pressure (psi) | Stage Volume (bbl) | Total Volume (bbl) |
|---------|-------------------|----------------------------------|------------------------------|-------------------|---------------------------|---------------------------|-----------------------|-----------------------|
| 1 | Aug 04,2015 21:00 | Arrive On Location | | -- | -- | -- | -- | 0.00 |
| | | Remarks: sign in | | | | | | |
| 2 | Aug 04,2015 21:20 | Crew Briefing (Rig in) | | -- | -- | -- | -- | 0.00 |
| | | Remarks: tailgate meeting | | | | | | |
| 3 | Aug 04,2015 22:15 | Rig in Complete | | -- | -- | -- | -- | 0.00 |
| 4 | Aug 04,2015 22:30 | Crew Briefing (Pre Job) | | -- | -- | -- | -- | 0.00 |
| | | Remarks: JSA with rig crew | | | | | | |
| 5 | Aug 04,2015 22:31 | Pressure Test Start | Water | 2.00 | 4,000.0 | -- | 2.00 | 2.00 |
| 6 | Aug 04,2015 22:33 | Pressure Test Complete | Water | -- | -- | -- | -- | 2.00 |
| | | Remarks: pressure held | | | | | | |
| 7 | Aug 04,2015 22:34 | Pump Preflush | Water | 5.50 | 300.0 | -- | 20.00 | 22.00 |
| | | Remarks: sapp + WS30 | | | | | | |
| 8 | Aug 04,2015 22:38 | Pump Spacer | Water | 5.50 | 300.0 | -- | 5.00 | 27.00 |
| | | Remarks: fresh water | | | | | | |
| 9 | Aug 04,2015 22:40 | Mix Cement | 1:1:6 Poz Type III Gel | 6.00 | 600.0 | -- | 172.00 | 199.00 |
| | | Remarks: mixed & pumped away | | | | | | |
| 10 | Aug 04,2015 23:10 | Mix Cement | 1:1:2 Poz G Gel | 4.00 | 300.0 | -- | 63.00 | 262.00 |
| | | Remarks: mixed & pumped away | | | | | | |
| 11 | Aug 04,2015 23:31 | Drop Plug | | -- | -- | -- | -- | 262.00 |
| 12 | Aug 04,2015 23:33 | Pump Displacement | Water | 7.00 | 1,000.0 | -- | 255.50 | 517.50 |
| 13 | Aug 05,2015 00:24 | Bump Plug | Water | -- | 2,100.0 | -- | -- | 517.50 |
| | | Remarks: bumped 500 psi over | | | | | | |
| 14 | Aug 05,2015 00:25 | Hold Pressure | Water | -- | 2,100.0 | -- | -- | 517.50 |
| | | Remarks: hold pressure for 5 min | | | | | | |
| 15 | Aug 05,2015 00:30 | Stop | | -- | -- | -- | -- | 517.50 |
| | | Remarks: done pumping | | | | | | |
| 16 | Aug 05,2015 00:45 | Rig Out | | -- | -- | -- | -- | 517.50 |
| 17 | Aug 05,2015 01:10 | Job Complete | | -- | -- | -- | -- | 517.50 |
| 18 | Aug 05,2015 01:30 | Pre-Departure Meeting | | -- | -- | -- | -- | 517.50 |
| 19 | Aug 05,2015 01:45 | Leave Location | | -- | -- | -- | -- | 517.50 |

Did Float Hold: Yes
 Fluid Returns : Yes
 Type : Cement
 Volume (bbl) : 35
 Temperature (°F) : 85
 FDAS Functioning Correctly : Yes
 Was the Program Followed As Per Design? : Yes



| Treatment Reports & Remarks | |
|---------------------------------------|--|
| Material Transfer Sheet Number | |
| <u>Material Transfer Sheet Number</u> | |
| 65337 | |
| 65336 | |
| 65335 | |



| | | | | | |
|------------|--|------------|---------------------|------------------|-------------|
| Client | Bonanza Creek Energy | Client Rep | Mr.Kenny Graham | Supervisor | Mio Svobada |
| Ticket No. | 9206629 | Well Name | Pronghorn C-W-28HNC | Unit No. | 445046 |
| Location | SW SW Sec 28:T5N:R61W | Job Type | Intermediate Casing | Service District | 505 |
| Comments | Mix/ Pump 540 Sacks of Lead Cement , Mix/Pump 320 Sacks of Tail Cement | | | Job Date | 08/04/2015 |

