



9208182

| | | | | |
|--|---|-------------------------|---------------------------------|---|
| Client Name Bonanza Creek Energy Operation Co, LLC | Well Name State Pronghorn V - 32 - 31 MRLNB | Rig Xtreme 22 | Job Date November 13,2015 | Call Sheet 1062469 |
| Client Representative Mr. Tim Joel | Surface Well Location Sec 32:T5N:R61W | Down Hole Well Location | Job Type Intermediate Casing | Lead Supervisor 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> |
|------------------|-------------------|----------------------|--------------------|----------------------|--------------------|
| 8.750 | -- | 1,360.000 | 6,431.000 | -- | -- |

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 | 105.14 | 8.921 | 10.625 | 0.0 | 1,360.0 |
| 7.000 | 20.000 | J-55 | 2,270.0 | 3,740.0 | 260.22 | 6.456 | 7.656 | 0.0 | 6,427.0 |

Products**Stage 1**

From Depth (ft): 0

To Depth (ft): 5000

Acids/Blends/Fluids :

Lead 1: 525 Sacks of 1-1-6 type III, Density = 12.5 lb/gal, Volume Pumped = 168.3 (bbl)

Water Temperature(°F) = 55 , Bulk Temperature(°F) = 55 , Slurry Temperature(°F) = 55

+ 6 % of Gel (Preblend),

+ 0.8 % of CFL-2 (Preblend),

+ 0.4 % of ASM-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): 6427

Acids/Blends/Fluids :

Tail: 250 Sacks of 1-1-2 G, Density = 14.6 lb/gal, Volume Pumped = 51.2 (bbl)

Water Temperature(°F) = 55 , Bulk Temperature(°F) = 55 , Slurry Temperature(°F) = 55

+ 2 % of Gel (Preblend),

+ 0.6 % of CFL-8 (Preblend),

+ 0.2 % of ASM-5 (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 | -- | 8.400 | -- | -- | Feb 26, 2015 14:02 |
| Water Based Mud | -- | -- | -- | -- | Mar 02, 2015 20:51 |

Attachment & Tools

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> |
|-----------------------|------------------|-----------------|-------------------------|------------------|------------------|-------------------------|--------------------------|
| 449093 | TRAILER | Utility Trailer | 201025 | PICKUP | 1 Ton | 11/13/2015 12:25 | 11/13/2015 17:30 |
| 445024 | TRAILER | SCM Twin | 745024 | TRACTOR | Tandem - Tractor | 11/13/2015 12:25 | 11/13/2015 17:30 |
| 446172 | TRAILER | Bulker | 746172 | TRACTOR | Tandem - Tractor | 11/13/2015 12:25 | 11/13/2015 17:30 |
| 446173 | TRAILER | Bulker | 746173 | TRACTOR | Tandem - Tractor | 11/13/2015 12:25 | 11/13/2015 17:30 |

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) | 11/13/2015 12:45 | 11/13/2015 17:30 | | |
| Hansen, Ted (29055) | 11/13/2015 12:45 | 11/13/2015 17:30 | | |
| Faircloth, Branden (29706) | 11/13/2015 12:45 | 11/13/2015 17:30 | | |
| Peterson, Ryan (28158) | 11/13/2015 12:45 | 11/13/2015 17:30 | | |

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 | Nov 13,2015 12:25 | Arrive On Location | | -- | -- | -- | -- | 0.00 | |
| | | Remarks: Siign in at lease entrance. | | | | | | | |
| 2 | Nov 13,2015 12:30 | Tailgate Meeting | | -- | -- | -- | -- | 0.00 | |
| | | Remarks: JSA. | | | | | | | |
| 3 | Nov 13,2015 12:45 | Crew Briefing (Rig in) | | -- | -- | -- | -- | 0.00 | |
| 4 | Nov 13,2015 13:10 | Rig in Complete | | -- | -- | -- | -- | 0.00 | |
| 5 | Nov 13,2015 13:15 | Crew Briefing (Pre Job) | | -- | -- | -- | -- | 0.00 | |
| 6 | Nov 13,2015 13:20 | STEACS Briefing | | -- | -- | -- | -- | 0.00 | |
| 7 | Nov 13,2015 13:35 | Sign-off on Safety | | -- | -- | -- | -- | 0.00 | |
| 8 | Nov 13,2015 14:13 | Start - Fluid | Water | 2.00 | 30.0 | -- | 1.00 | 1.00 | |
| | | Remarks: Filled lines. | | | | | | | |
| 9 | Nov 13,2015 14:14 | Pressure Test Start | Water | -- | 4,000.0 | -- | -- | 1.00 | |
| 10 | Nov 13,2015 14:15 | Pressure Test Complete | Water | -- | 4,000.0 | -- | -- | 1.00 | |
| | | Remarks: All lines held pressure. | | | | | | | |
| 11 | Nov 13,2015 14:16 | Pump Preflush | Water | 4.00 | 100.0 | -- | 5.00 | 6.00 | |
| | | Remarks: Polyflake + WG-1L. | | | | | | | |
| 12 | Nov 13,2015 14:18 | Pump Preflush | Water | 6.00 | 400.0 | -- | 20.00 | 26.00 | |
| | | Remarks: SAPP + WS-30. | | | | | | | |
| 13 | Nov 13,2015 14:22 | Pump Spacer | Water | 6.00 | 600.0 | -- | 5.00 | 31.00 | |
| 14 | Nov 13,2015 14:23 | Mix Cement | 1-1-6 type III | 6.00 | 300.0 | -- | 168.30 | 199.30 | |
| | | Remarks: LEAD: | | | | | | | |
| 15 | Nov 13,2015 14:54 | Mix Cement | 1-1-2 G | 6.00 | 250.0 | -- | 51.20 | 250.50 | |
| | | Remarks: TAIL: | | | | | | | |
| 16 | Nov 13,2015 15:09 | Stop | | -- | -- | -- | -- | 250.50 | |
| 17 | Nov 13,2015 15:16 | Drop Plug | | -- | -- | -- | -- | 250.50 | |
| 18 | Nov 13,2015 15:17 | Displace Fluid | Water | 8.00 | 2,680.0 | -- | 241.00 | 491.50 | |
| 19 | Nov 13,2015 16:02 | Bump Plug | Water | -- | 2,680.0 | -- | -- | 491.50 | |
| 20 | Nov 13,2015 16:05 | Check Float | Water | -- | 2,680.0 | -- | -- | 491.50 | |
| | | Remarks: 2 bbls back. | | | | | | | |
| 21 | Nov 13,2015 16:13 | Pressure Test | Water | -- | 1,600.0 | -- | -- | 491.50 | |
| | | Remarks: Casing test was successful, 2 bbls back. | | | | | | | |
| 22 | Nov 13,2015 16:30 | Stop | | -- | -- | -- | -- | 491.50 | |
| 23 | Nov 13,2015 16:40 | Wash | Water | 1.50 | 100.0 | -- | 20.00 | 491.50 | |
| 24 | Nov 13,2015 17:10 | Rig Out | | -- | -- | -- | -- | 491.50 | |
| | | Remarks: Revisit JSA. | | | | | | | |
| 25 | Nov 13,2015 17:20 | Pre-Departure Meeting | | -- | -- | -- | -- | 491.50 | |
| 26 | Nov 13,2015 17:25 | Job Complete | | -- | -- | -- | -- | 491.50 | |
| 27 | Nov 13,2015 17:30 | Leave Location | | -- | -- | -- | -- | 491.50 | |
| | | Remarks: Revisit JSA, leave location safely. | | | | | | | |

Treatment Reports & Remarks

Did Float Hold: Yes
Fluid Returns : Yes
Type : Cement
Volume (bbl) : 45
Temperature (°F) : 100
FDAS Functioning Correctly : Yes
Was the Program Followed As Per Design? : Yes

Material Transfer Sheet Number

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63776

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