

| | | | | |
|--|---|-------------------------|-------------------------------|---|
| Client Name Whiting Petroleum Corp. | Well Name Razor 330-2811 | Rig Frontier 9 | Job Date December 23, 2014 | Call Sheet 1052531 |
| Client Representative Kyle Renton | Surface Well Location SW SE Sec 33:T10N:R68W | Down Hole Well Location | Job Type Liner Casing | Lead Supervisor Johnson, Quintin (23945) |

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 | Size (in) | Excess (%) | TMD From (ft) | TMD To (ft) | TVD From (ft) | TVD To (ft) |
|-----------|-----------|------------|---------------|-------------|---------------|-------------|
| | 6.000 | 15.000 | -- | 13,148.000 | -- | -- |

| Casing | Size (in) | Weight (lb/ft) | Grade | Collapse Pressure (psi) | Internal Yield Pressure (psi) | Capacity (bbl) | I.D. (in) | O.D. (in) | Depth From (ft) | Depth To (ft) |
|--------|-----------|----------------|-------|-------------------------|-------------------------------|----------------|-----------|-----------|-----------------|---------------|
| | 7.000 | 29.000 | L-80 | 7,030.0 | 8,160.0 | -- | 6.184 | 7.656 | -- | -- |
| | 9.625 | 26.000 | J-55 | -- | -- | -- | -- | -- | -- | -- |
| | 4.500 | 11.600 | P-110 | 7,560.0 | 10,690.0 | 126.24 | 4.000 | 5.000 | 4,978.0 | 13,100.0 |

| Drill Pipe | Size (in) | Weight (lb/ft) | Grade | Collapse Pressure (psi) | Capacity (bbl) | I.D. (in) | O.D. (in) | Depth From (ft) | Depth To (ft) |
|------------|-----------|----------------|-------|-------------------------|----------------|-----------|-----------|-----------------|---------------|
| | 4.000 | 28.000 | --- | -- | -- | -- | -- | 0.000 | 4,978.000 |

Products

Stage 1

From Depth (ft): 13137
To Depth (ft): 7978

Acids/Blends/Fluids :

Tail: 550 Sacks of 1:1:0 Poz G, Density = 13.7 lb/gal, Volume Pumped = 145 (bbl)
Water Temperature(°F) = 65 , Bulk Temperature(°F) = 65 , Slurry Temperature(°F) = 65
+ 8 % of SilFume (Preblend),
+ 2 % of Gel (Preblend),
+ 0.1 % of CFR-5 (Preblend),
+ 0.7 % of CFL-4 (Preblend),
+ 1 % of FWC-2 (Preblend),
+ 0.45 % of LTR (Preblend),
+ 0.2 % of ASM-3 (Preblend),
+ 0.25 lb/sack of Polyflake (Preblend)

Fluid & Cement Data

| | | | | | |
|-------------------------|-----------------------|--------------------------|--------------------------|-------------------------|--------------------|
| Expected Cement Top: -- | | | | | |
| 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 | -- | -- | Jul 14, 2014 20:27 |

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Attachment & Tools

Down Hole Tools

| Tool Type | Depth (ft) | Supplier |
|--------------|------------|-------------|
| Liner Hanger | 4,978.000 | Third Party |

Units & Personnel

| Units | | | | | | Time On Location | Time Off Location |
|----------------|-----------|----------|------------------|-----------|------------------|------------------|-------------------|
| Truck Unit No. | Main Type | Sub Type | Tractor Unit No. | Main Type | Sub Type | | |
| 201168 | PICKUP | 1 Ton | 449087 | TRAILER | Utility Trailer | 12/23/2014 10:00 | 12/24/2014 02:00 |
| 445052 | TRAILER | SCM Twin | 745052 | TRACTOR | Tandem - Tractor | 12/23/2014 10:00 | 12/24/2014 02:00 |
| 201191 | PICKUP | 1 Ton | | | | 12/23/2014 10:00 | 12/24/2014 02:00 |

Crew and Bonuses

| Employee | Start Shift | End Shift | Second Start Shift | Second End Shift |
|--------------------------|------------------|------------------|--------------------|------------------|
| Johnson, Quintin (23945) | 12/23/2014 10:00 | 12/24/2014 02:00 | | |
| Hansen, Ted (29055) | 12/23/2014 10:00 | 12/24/2014 02:00 | | |
| Lindsay, Kevin (27589) | 12/23/2014 10:00 | 12/24/2014 02:00 | | |
| Heye, Joshua (29833) | 12/23/2014 10:00 | 12/24/2014 02:00 | | |
| Vitera, John (29843) | 12/23/2014 10:00 | 12/24/2014 02:00 | | |

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 | Dec 23, 2014 10:00 | Arrive On Location | | -- | -- | -- | -- | 0.00 |
| | | Remarks: arrived on time | | -- | -- | -- | -- | 0.00 |
| 2 | Dec 23, 2014 10:10 | Tailgate Meeting | | -- | -- | -- | -- | 0.00 |
| | | Remarks: talked about spotting trucks and rigging in | | -- | -- | -- | -- | 0.00 |
| 3 | Dec 23, 2014 10:20 | Crew Briefing (Rig in) | | -- | -- | -- | -- | 0.00 |
| | | Remarks: talked about site hazards and how to mitigate them | | -- | -- | -- | -- | 0.00 |
| 4 | Dec 23, 2014 10:40 | Rig In | | -- | -- | -- | -- | 0.00 |
| | | Remarks: rigged in our trucks and 3rd party water | | -- | -- | -- | -- | 0.00 |
| 5 | Dec 23, 2014 11:30 | Rig in Complete | | -- | -- | -- | -- | 0.00 |
| | | Remarks: rig in done | | -- | -- | -- | -- | 0.00 |
| 6 | Dec 23, 2014 19:00 | Crew Briefing (Pre Job) | | -- | -- | -- | -- | 0.00 |
| | | Remarks: talked about the job scope and safety concerns | | -- | -- | -- | -- | 0.00 |
| 7 | Dec 23, 2014 19:01 | Sign-off on Safety | | -- | -- | -- | -- | 0.00 |
| | | Remarks: Signed their and our JSA | | -- | -- | -- | -- | 0.00 |
| 8 | Dec 23, 2014 20:49 | Pressure Test Start | Water | 2.50 | 500.0 | -- | 2.00 | 2.00 |
| | | Remarks: filled lines for pressure testing | | -- | -- | -- | -- | 0.00 |
| 9 | Dec 23, 2014 20:52 | Pressure Test | Water | 0.00 | 5,000.0 | -- | 0.00 | 2.00 |
| | | Remarks: pressured lines and they held | | -- | -- | -- | -- | 0.00 |
| 10 | Dec 23, 2014 20:53 | Pressure Test Complete | | 0.00 | 0.0 | -- | 0.00 | 2.00 |
| | | Remarks: bled off pressure for pumping job | | -- | -- | -- | -- | 0.00 |

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Treatment Report

| Event # | Event Time | Event Description | Fluid Type | Rate (bbl/min) | Tubular Pressure (psi) | Annular Pressure (psi) | Stage Volume (bbl) | Total Volume (bbl) |
|---------|-------------------|--|-------------|-------------------|---------------------------|---------------------------|-----------------------|-----------------------|
| 11 | Dec 23,2014 20:54 | Pump Spacer | Water | 5.00 | 1,500.0 | -- | 30.00 | 32.00 |
| | | Remarks: pumped our invert spacer fresh with WG-1I | | | | | | |
| 12 | Dec 23,2014 21:05 | Pump Spacer | Water | 4.50 | 1,500.0 | -- | 20.00 | 52.00 |
| | | Remarks: pumped fresh between invert and slurry | | | | | | |
| 13 | Dec 23,2014 21:15 | Mix Cement | 1:1:0 Poz G | 4.00 | 750.0 | -- | 145.00 | 197.00 |
| | | Remarks: mix slurry at 13.7 | | | | | | |
| 14 | Dec 24,2014 22:00 | Stop | | -- | -- | -- | -- | 197.00 |
| | | Remarks: stop washed lines and pump to the pit | | | | | | |
| 15 | Dec 24,2014 22:05 | Pump Displacement | Water | 4.00 | 1,200.0 | -- | 151.00 | 348.00 |
| | | Remarks: bumped the plug | | | | | | |
| 16 | Dec 24,2014 22:50 | Bump Plug | | 2.00 | 1,750.0 | -- | 151.00 | 499.00 |
| | | Remarks: bump plug at 500 over | | | | | | |
| 17 | Dec 24,2014 23:05 | Pressure Test | | 1.00 | 1,500.0 | -- | 2.00 | 501.00 |
| | | Remarks: backside test | | | | | | |
| 18 | Dec 24,2014 23:15 | Pump | Water | 3.50 | 1,400.0 | -- | 130.00 | 631.00 |
| | | Remarks: rolled the hole did not get cement back | | | | | | |
| 19 | Dec 24,2014 00:25 | Stop | | -- | -- | -- | -- | 631.00 |
| | | Remarks: stop for rig out | | | | | | |
| 20 | Dec 24,2014 00:45 | Rig Out | | -- | -- | -- | -- | 631.00 |
| | | Remarks: rigged out our iron | | | | | | |
| 21 | Dec 24,2014 00:55 | Wash | Water | 2.00 | 150.0 | -- | 15.00 | 646.00 |
| | | Remarks: washed mix side and did run backs | | | | | | |
| 22 | Dec 24,2014 01:45 | Job Complete | | -- | -- | -- | -- | 646.00 |
| | | Remarks: job done moved the lay down bin and check load and pins | | | | | | |
| 23 | Dec 24,2014 02:00 | Leave Location | | -- | -- | -- | -- | 646.00 |
| | | Remarks: Go back to Sanjel Yard | | | | | | |

Did Float Hold: Yes

Fluid Returns : No

Type :

Volume (bbl) :

Temperature (°F) : --

FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes

Material Transfer Sheet Number

Material Transfer Sheet Number

55311



| | | | | | |
|------------|-------------------------|------------|----------------|------------------|-----------------|
| Client | Whiting Petroleum Corp. | Client Rep | | Supervisor | Quintin Johnson |
| Ticket No. | 9201170 | Well Name | Razor 33O-2811 | Unit No. | 445052 |
| Location | SW SE Sec 33:T10N:R68W | Job Type | Liner Casing | Service District | Ft Lupton CO |
| Comments | Pump As Per Design | | | Job Date | 12/23/2014 |

