



Cementing Service Report

9209126

Client Name NGL Water Solutions DJ, LLC	Well Name NGL C10A	Rig Extreme Drilling Inc 20	Job Date November 08,2015	Call Sheet 1062292
Client Representative Mr. Chris Montoya	Surface Well Location SWSE:Sec 35:T7N:R65W	Down Hole Well Location NENE:Sec 35:T7N;R65W	Job Type 2-Stage Intermediate	Lead Supervisor Hall, Andrew J (25267)

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	25.000	0.000	10,095.000	--	--

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>
7.000	26.000	J-55	4,330.0	4,980.0	385.63	6.276	7.656	0.0	10,076

Products

Stage 1

From Depth (ft): 8557
To Depth (ft): 10076

Acids/Blends/Fluids :

Tail: 170 Sacks of 1-1-0 G, Density = 13.5 lb/gal, Volume Pumped = 53.28 (bbl)
Water Temperature(°F) = 80 , Bulk Temperature(°F) = 80 , Slurry Temperature(°F) = 90
+ 20 % of Silica Flour (Preblend),
+ 8 % of SilFume (Preblend),
+ 0.3 % of CFR (Preblend),
+ 0.8 % of CFL-4 (Preblend),
+ 1.5 % of Gel (Preblend),
+ 0.25 lb/sack of Polyflake (Preblend),
+ 0.1 % of LTR (Preblend)

Stage 2

From Depth (ft): 0
To Depth (ft): 7810

Acids/Blends/Fluids :

Lead 1: 690 Sacks of 1:1:0 Poz:Type III, Density = 12 lb/gal, Volume Pumped = 239.63 (bbl)
Water Temperature(°F) = 80 , Bulk Temperature(°F) = 80 , Slurry Temperature(°F) = 90
+ 0.5 % of CFL-4 (Preblend),
+ 0.2 % of ASM-3 (Preblend),
+ 2 % of FWC-2 (Preblend),
+ 0.1 % of LTR (Prehydrate)

Stage 2

From Depth (ft): 7810
To Depth (ft): 8557

Acids/Blends/Fluids :

Tail: 115 Sacks of 1-1-0 G, Density = 13.5 lb/gal, Volume Pumped = 36.04 (bbl)
Water Temperature(°F) = 80 , Bulk Temperature(°F) = 80 , Slurry Temperature(°F) = 90
+ 20 % of Silica Flour (Preblend),
+ 8 % of SilFume (Preblend),
+ 0.3 % of CFR (Preblend),
+ 0.8 % of CFL-4 (Preblend),
+ 1.5 % of Gel (Preblend),
+ 0.25 lb/sack of Polyflake (Preblend),
+ 0.1 % of LTR (Preblend)

Fluid & Cement Data

Expected Cement Top: --

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.500	--	--	Feb 27, 2015 12:32
Water Based Mud	--	--	--	--	Nov 06, 2015 17:25

Attachment & Tools

Tubular Plugs

Tubular Plug Type	Size (in)	Supplier
Stage Tool Closing Plug	7.000	Third Party
Stage Tool first Plug	7.000	Third Party
Stage Tool Opening Bomb	7.000	Third Party



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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>
201191	PICKUP	1 Ton	449083	TRAILER	Utility Trailer	11/08/2015 03:30	11/08/2015 19:30
445024	TRAILER	SCM Twin	745046	TRACTOR	Tandem - Tractor	11/08/2015 03:30	11/08/2015 19:30
746506	BODY JOB	Baby Bulker				11/08/2015 03:30	11/08/2015 19:30
Crew and Bonuses							
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>				<u>Second Start Shift</u>	<u>Second End Shift</u>
Hall, Andrew J (25267)	11/08/2015 03:30	11/08/2015 19:30					
Cheal, Samuel (28315)	11/08/2015 03:30	11/08/2015 19:30					
Wilson, Johnny (30052)	11/08/2015 03:30	11/08/2015 19:30					
Daylong, Eric (28076)	11/08/2015 03:30	11/08/2015 19:30					
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 08,2015 03:30	Arrive On Location		--	--	--	--	0.00
2	Nov 08,2015 06:30	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Nov 08,2015 07:00	Rig in Complete		--	--	--	--	0.00
4	Nov 08,2015 07:10	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	Nov 08,2015 07:45	Pressure Test Start	Water	1.00	4,500.0	--	3.00	3.00
6	Nov 08,2015 07:48	Pressure Test Complete		--	--	--	--	3.00
7	Nov 08,2015 07:50	Pump Preflush	Water	4.00	800.0	--	20.00	23.00
		Remarks: Mud flush						
8	Nov 08,2015 08:00	Pump Spacer	Water	4.00	800.0	--	20.00	43.00
9	Nov 08,2015 08:05	Pump	1-1-0 G	5.00	800.0	--	53.28	96.28
10	Nov 08,2015 08:20	Drop Plug		--	--	--	--	96.28
11	Nov 08,2015 08:25	Displace Fluid	Water Based Mud	5.00	1,500.0	--	384.22	480.50
12	Nov 08,2015 09:50	Bump Plug		--	2,200.0	--	--	480.50
13	Nov 08,2015 11:00	Stop		--	--	--	--	480.50
		Remarks: Turn well back over to rig.						
14	Nov 08,2015 15:10	Pump Preflush	Water	5.00	1,000.0	--	20.00	20.00
		Remarks: Mud flush						
15	Nov 08,2015 15:15	Pump Preflush	Water	5.00	700.0	--	20.00	40.00
		Remarks: Visweep						
16	Nov 08,2015 15:20	Pump Spacer	Water	5.00	500.0	--	10.00	50.00
17	Nov 08,2015 15:30	Pump	1:1:0 Poz:Type III	7.00	500.0	--	239.63	289.63
18	Nov 08,2015 16:10	Pump	1-1-0 G	7.00	500.0	--	36.04	325.67
19	Nov 08,2015 16:25	Drop Plug		--	--	--	--	325.67
20	Nov 08,2015 16:30	Displace Fluid	Water Based Mud	7.00	1,500.0	--	327.72	653.39
21	Nov 08,2015 17:40	Bump Plug		--	3,000.0	--	--	653.39
22	Nov 08,2015 17:45	Check Float		--	--	--	--	653.39
23	Nov 08,2015 18:00	Rig Out		--	--	--	--	653.39
24	Nov 08,2015 19:00	Job Complete		--	--	--	--	480.50
		Remarks: AAR						
25	Nov 08,2015 19:30	Leave Location		--	--	--	--	480.50
Did Float Hold:		Yes						
Fluid Returns :		Yes						
Type :		Cement						
Volume (bbl) :		35						
Temperature (°F) :		90						
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>	
63705	
63706	
63707	
63712	