



Cementing Service Report

9207971

Client Name NGL Water Solutions DJ, LLC	Well Name NGL C10A	Rig Extreme Drilling Inc 20	Job Date October 31,2015	Call Sheet 1062070
Client Representative Mr. Chris Montoya	Surface Well Location SWSE, Sec 35:T7N:R65W	Down Hole Well Location NENE, Sec 35:T7N:R65W	Job Type Surface Casing	Lead Supervisor Klosterman, Austin (27698)

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>
12.125		--		0.000		650.000		--		--
Casing										
<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Collapse Pressure</u>	<u>Internal Yield Pressure</u>	<u>Capacity</u>	<u>I.D.</u>	<u>O.D.</u>	<u>Depth From</u>	<u>Depth To</u>	
(in)	(lb/ft)		(psi)	(psi)	(bbl)	(in)	(in)	(ft)	(ft)	
9.625	36.000	---	--	--	--	--	--	0.0	639.0	

Products	
Stage 1	
From Depth (ft):	0
To Depth (ft):	650
Acids/Blends/Fluids :	
Tail: 165 Sacks of Control Set C, Density = 13.5 lb/gal, Volume Pumped = 51 (bbl)	
Water Temperature(°F) = 55 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 70	
+ 2 % of Gypsum (Preblend),	
+ 2 % of CaCl2 (Preblend),	
+ 2 % of SMS (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	--	8.500	--	--	Feb 27, 2015 12:32

Attachment & Tools										
Tubular Plugs										
<u>Tubular Plug Type</u>		<u>Size (in)</u>		<u>Supplier</u>						
Rubber Top		9.625		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>
444002	TRAILER	Iron	201386	PICKUP	1 Ton	10/31/2015 15:30	10/31/2015 21:00
445051	TRAILER	SCM Twin	745051	TRACTOR	Tandem - Tractor	10/31/2015 15:30	10/31/2015 21:00
446173	TRAILER	Bulker	746173	TRACTOR	Tandem - Tractor	10/31/2015 15:30	10/31/2015 21:00
Crew and Bonuses							
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>			<u>Second Start Shift</u>	<u>Second End Shift</u>	
Klosterman, Austin (27698)	10/31/2015 15:30	10/31/2015 21:00					
Meisner, Jeremy (27681)	10/31/2015 15:30	10/31/2015 21:00					
Yates, William (29930)	10/31/2015 15:30	10/31/2015 21:00					
Decenick, Scott (30083)	10/31/2015 15:30	10/31/2015 21:00					

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	Oct 31,2015 15:30	Arrive On Location		0.00	0.0	0.0	0.00	0.00
2	Oct 31,2015 15:40	Crew Briefing (Rig in)		0.00	0.0	0.0	0.00	0.00
3	Oct 31,2015 18:00	Rig in Complete		0.00	0.0	0.0	0.00	0.00
4	Oct 31,2015 18:15	Crew Briefing (Pre Job)		0.00	0.0	0.0	0.00	0.00
5	Oct 31,2015 18:26	Pressure Test Start	Water	0.00	3,100.0	0.0	0.00	0.00
6	Oct 31,2015 18:30	Pressure Test Complete	Water	0.00	0.0	0.0	0.00	0.00
7	Oct 31,2015 18:38	Pump Preflush	Water	5.00	90.0	0.0	20.00	20.00
		Remarks: Fresh with red dye.						
8	Oct 31,2015 18:41	Pump	0:1:0 Type III	4.00	90.0	0.0	51.00	71.00
		Remarks: Mix up and pump 165sx @13.5#, Yield 1.74, WR 9.18.						
9	Oct 31,2015 19:06	Drop Plug On The Fly	Water	0.00	0.0	0.0	0.00	71.00
10	Oct 31,2015 19:07	Displace Fluid	Water	5.00	100.0	0.0	30.00	101.00
11	Oct 31,2015 19:16	Decrease Pump Rate	Water	2.00	100.0	0.0	15.50	116.50
12	Oct 31,2015 19:20	Pumping Pressure Before Bump	Water	0.00	150.0	0.0	0.00	116.50
13	Oct 31,2015 19:21	Bump Plug	Water	0.00	797.0	0.0	0.00	116.50
14	Oct 31,2015 19:23	Check Float		0.00	0.0	0.0	0.00	116.50
		Remarks: .5 bbls. back.						
15	Oct 31,2015 20:00	Rig Out		0.00	0.0	0.0	0.00	116.50
16	Oct 31,2015 20:30	Job Complete		0.00	0.0	0.0	0.00	116.50
17	Oct 31,2015 21:00	Leave Location		0.00	0.0	0.0	0.00	116.50

Did Float Hold: Yes
 Fluid Returns : Yes
 Type : Cement
 Volume (bbl) : 10
 Temperature (°F) : 70
 FDAS Functioning Correctly : Yes
 Was the Program Followed As Per Design? : Yes

Material Transfer Sheet Number

Material Transfer Sheet Number

63661

63662