



Pumping Service Report

9203739

Client Name NGL Water Solutions DJ, LLC	Well Name NGL C12	Rig Ensign Drilling Inc. 138	Job Date April 05,2015	Call Sheet 1057072
Client Representative Mr. Red Binge	Surface Well Location NE SE Sec 27:T5N:R63W	Down Hole Well Location	Job Type Surface Casing	Lead Supervisor Ripka, Robert (23825)

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):	--- @ --

Size	Weight	Grade	Collapse Pressure	Internal Yield Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)	(psi)	(bbl)	(in)	(in)	(ft)	(ft)
9.625	36.000		--	--	--	--	--	0.0	911.0

Products

Stage 1

From Depth (ft):	0
To Depth (ft):	911
Acids/Blends/Fluids :	
Tail: 235 Sacks of Control Set C, Density = 13.5 lb/gal, Volume Pumped = 73 (bbl)	
Water Temperature(°F) = 43 , Bulk Temperature(°F) = 32 , Slurry Temperature(°F) = 67	
+ 0.25 lb/sack of Polyflake (Preblend)	

Stage 2

From Depth (ft):	
To Depth (ft):	
Acids/Blends/Fluids :	

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	--	8.500	--	--	Feb 27, 2015 12:32

Attachment & Tools

Tubular Plugs

Tubular Plug Type	Size (in)	Supplier
Rubber Top	9.625	Sanjel



Pumping Service Report

9203739

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>
449095	TRAILER	Utility Trailer	201009	PICKUP	1 Ton	04/05/2015 06:00	04/05/2015 14:40
445024	TRAILER	SCM Twin	745024	TRACTOR	Tandem - Tractor	04/05/2015 06:00	04/05/2015 14:40
446037	TRAILER	Bulker	746037	TRACTOR	Tandem - Tractor	04/05/2015 06:00	04/05/2015 14:40
Crew and Bonuses							
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>		<u>Second End Shift</u>		
Ripka, Robert (23825)	04/05/2015 06:00	04/05/2015 14:40					
Barden, Sean (27711)	04/05/2015 06:00	04/05/2015 14:40					
Decenick, Scott (30083)	04/05/2015 06:00	04/05/2015 14:40					
Welch, Steven (30076)	04/05/2015 06:00	04/05/2015 14:40					



Pumping Service Report

9203739

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	Apr 05,2015 06:00	Arrive On Location		--	--	--	--	0.00
2	Apr 05,2015 06:21	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Apr 05,2015 11:55	Rig in Complete		--	--	--	--	0.00
4	Apr 05,2015 12:00	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	Apr 05,2015 12:35	Pressure Test Start		--	3,000.0	--	--	0.00
6	Apr 05,2015 12:38	Pressure Test Complete		--	--	--	--	0.00
7	Apr 05,2015 12:40	Pump Preflush	Water	5.00	200.0	--	20.00	20.00
8	Apr 05,2015 12:45	Mix Cement	Control Set C	5.00	200.0	--	73.00	93.00
Remarks: 235 SKS								
9	Apr 05,2015 13:07	Drop Plug		--	--	--	--	93.00
10	Apr 05,2015 13:11	Displace Fluid	Water	5.00	100.0	--	67.00	160.00
11	Apr 05,2015 13:42	Bump Plug		--	400.0	--	--	160.00
Remarks: BUMP PLUG 900 PSI								
12	Apr 05,2015 14:48	Check Float		--	--	--	--	160.00
Remarks: FLOAT HELD								
13	Apr 05,2015 14:07	Rig Out		--	--	--	--	160.00
14	Apr 05,2015 14:30	Job Complete		--	--	--	--	160.00
15	Apr 05,2015 14:40	Leave Location		--	--	--	--	160.00

Did Float Hold: Yes

Fluid Returns : Yes

Type : Cement

Volume (bbl) : 23

Temperature (°F) : 78

FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes

Material Transfer Sheet Number

Material Transfer Sheet Number

57034