



Pumping Service Report

9209001

Client Name NGL Water Solutions DJ, LLC	Well Name NGL Apollo 11	Rig Extreme Drilling Inc 20	Job Date October 19,2015	Call Sheet 1061716
Client Representative Mr. Chris Montoya	Surface Well Location Sec 18:T6N:R63W	Down Hole Well Location	Job Type Surface Casing	Lead Supervisor Lopez, Armando (29064)

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)
12.250	--	0.000	900.000	--	--

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)
9.625	36.000	J-55	2,020.0	3,520.0	68.50	8.921	10.625	0.0	886.0

Products

Stage 1

From Depth (ft):	0
To Depth (ft):	886

Acids/Blends/Fluids :

Tail: 215 Sacks of Control Set C, Density = 13.5 lb/gal, Volume Pumped = 67 (bbl)
Water Temperature(°F) = 70 , Bulk Temperature(°F) = 70 , Slurry Temperature(°F) = 80
+ 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 :

Extra Cement: 1 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 1 (bbl)
+ 2 % of CaCl₂ (Prehydrate)

Fluid & Cement Data

Expected Cement Top: Surface

Wellbore Fluid

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