



Pumping Service Report

9193188

Client Name Noble Energy Inc.	Well Name Nay 01	Rig Select 11	Job Date July 14, 2014	Call Sheet 1044104
Client Representative Chuck Emerson	Surface Well Location SW SE Sec 3:T9N:R58W	Down Hole Well Location	Job Type Cement Misc.	

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): — @ —

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)
5.500	15.500	J-55	4,040.0	4,810.0	3.55	4.950	6.050	0.0	149.0
8.625	24.000	J-55	1,370.0	2,950.0	9.49	8.097	9.625	0.0	149.0

Products

Stage 1

From Depth (ft): 0

To Depth (ft): 150

Acids/Blends/Fluids:

Tail: 50 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 10.2 (bbl)

Water Temperature (°F) = 60, Bulk Temperature (°F) = 70, Slurry Temperature (°F) = 70

+ 1 % 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	—	8.400	—	—	Jul 11, 2014 10:24

Units & Personnel

Units

Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201231	PICKUP	1/2 Ton				07/14/2014 15:30	07/14/2014 19:30
740004	BODY JOB	C & A				07/14/2014 15:30	07/14/2014 19:30
746502	BODY JOB	Baby Bulker				07/14/2014 15:30	07/14/2014 19:30

Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Bushnell, Cody	07/14/2014 15:30	07/14/2014 19:30		
Laeger, Kacey	07/14/2014 15:30	07/14/2014 19:30		
Pigg, Martin	07/14/2014 15:30	07/14/2014 19:30		

