



Pumping Service Report

9201497

Client Name NGL Energy Partners LP	Well Name NGL C 6A	Rig Ensign Drilling Inc. 138	Job Date February 11,2015	Call Sheet 1055056
Client Representative Mr. Red	Surface Well Location Sec 30:T3N:R65W	Down Hole Well Location	Job Type Intermediate Casing	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	--	819.000	9,342.000	--	--

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>
9.625	0.000	--	--	--	--	--	--	0.0	819.0
7.000	0.000	--	--	--	--	--	--	0.0	9,342.0

Products

Stage 1

From Depth (ft): 9342

To Depth (ft): 7903

Acids/Blends/Fluids :

Tail: 150 Sacks of 1-1-0 G, Density = 13.5 lb/gal, Volume Pumped = 47 (bbl)

Water Temperature(°F) = 65 , Bulk Temperature(°F) = 65 , Slurry Temperature(°F) = 65

+ 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): 6865

To Depth (ft): 0

Acids/Blends/Fluids :

Lead 1: 660 Sacks of 1:1:0 Poz:Type III, Density = 12 lb/gal, Volume Pumped = 229 (bbl)

Water Temperature(°F) = 65 , Bulk Temperature(°F) = 65 , Slurry Temperature(°F) = 65

+ 0.5 % of CFL-4 (Preblend),

+ 0.2 % of ASM-3 (Preblend),

+ 2 % of FWC-2 (Preblend)

Stage 3

From Depth (ft): 7903

To Depth (ft): 6865

Acids/Blends/Fluids :

Tail: 90 Sacks of 50% Class G / 50% Poz (1-1-0 G), Density = 13.5 lb/gal, Volume Pumped = 28 (bbl)

Water Temperature(°F) = 65 , Bulk Temperature(°F) = 65 , Slurry Temperature(°F) = 65

+ 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: Surface

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.600	--	--	Jan 31, 2015 13:10
Water Based Mud	--	--	--	--	Feb 10, 2015 16:45

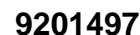
Attachment & Tools

Down Hole Tools

Tool Type	Depth (ft)	Supplier
Stage Tool Mechanical (MSCC)	7,903.000	Third Party

Tubular Plugs

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



V4.0.3.0



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Treatment Report

Event #	Event Time	Event Description	Fluid Type	Rate (bbl/min)	Tubular Pressure (psi)	Annular Pressure (psi)	Stage Volume (bbl)	Total Volume (bbl)
15	Feb 11,2015 19:52	Open Stage Tool - Hydraulic		--	2,400.0	--	--	445.00
16	Feb 11,2015 19:57	Pump Displacement		--	--	--	--	445.00
		Remarks: Rig Circulated out 7" from DV Tool to surface, 7 BBLS of cement to surface @ 13.5 PPG						
17	Feb 11,2015 20:35	Wait on Cement		--	--	--	--	445.00
		Remarks: Wait 5 hours For cement to setup to begin second stage						
18	Feb 12,2015 05:02	Safety Meeting		--	--	--	--	0.00
19	Feb 12,2015 01:58	Pump		1.50	150.0	--	2.00	2.00
		Remarks: Fill Lines						
20	Feb 12,2015 01:59	Pressure Test		--	4,500.0	--	--	2.00
		Remarks: All Lines held pressure						
21	Feb 12,2015 02:00	Pump Preflush		5.00	500.0	--	40.00	42.00
		Remarks: Mudflush/ Visweep						
22	Feb 12,2015 02:08	Mix Cement	1:1:0 Poz:Type III	5.50	300.0	--	229.00	271.00
		Remarks: Mix/Pump 660 Sacks @ 12 PPG						
23	Feb 12,2015 02:47	Mix Cement	1-1-0 G	5.50	300.0	--	28.00	299.00
		Remarks: Mix/Pump 90 Sacks @ 13.5 PPG						
24	Feb 12,2015 02:57	Drop Plug		--	--	--	--	299.00
		Remarks: Drop Closing plug						
25	Feb 12,2015 02:58	Displace Fluid	Water	6.00	800.0	--	306.00	605.00
26	Feb 12,2015 03:59	Bump Plug		--	1,700.0	--	--	605.00
		Remarks: Bumped 500 PSI over.						
27	Feb 12,2015 04:00	Hold Pressure		--	1,700.0	--	--	605.00
		Remarks: Hold pressure for 15 minutes						
28	Feb 12,2015 04:16	Close Stage Tool		--	3,000.0	--	--	605.00
29	Feb 12,2015 05:30	Rig Out		--	--	--	--	605.00
30	Feb 12,2015 05:45	Job Complete		--	--	--	--	445.00
31	Feb 12,2015 06:00	Leave Location		--	--	--	--	445.00

Did Float Hold: Yes
Fluid Returns : Yes
Type : Cement
Volume (bbl) : 16
Temperature (°F) : 70
FDAS Functioning Correctly : Yes
Was the Program Followed As Per Design? : Yes

Material Transfer Sheet Number

Material Transfer Sheet Number

55648
55650
55726
55649