



Pumping Service Report

9199337

Client Name NGL Energy Partners LP	Well Name NGL C 6A	Rig Ensign Drilling Inc. 138	Job Date February 01,2015	Call Sheet 1054555
Client Representative Mr. Red Benge	Surface Well Location Sec 30:T3N:R65W	Down Hole Well Location	Job Type Surface Casing	Lead Supervisor Schneider, Patrick (24093)

Well Profile

Well Type:	Injection		
Maximum Treating Pressure (psi):	---		
Predicted Bottom Hole Static Temperature (°F):	80.00	@	--
Bottom Hole Circulating Temperature (°F):	80.00	@	--
Bottom Hole Logged Temperature (°F):	---	@	--

Open Hole

Size (in)	Excess (%)	TMD From (ft)	TMD To (ft)	TVD From (ft)	TVD To (ft)
12.250	25.000	80.000	830.000	--	--

Casing

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)
16.000	0.000		--	--	--	--	--	0.0	80.0
9.625	36.000	J-55	2,020.0	3,520.0	63.33	8.921	10.625	0.0	819.3

Products

Stage 1

From Depth (ft): 0

To Depth (ft): 819.25

Acids/Blends/Fluids :

Tail: 215 Sacks of Control Set C, Density = 13.5 lb/gal, Volume Pumped = 66.5 (bbl)

Water Temperature(°F) = 45 , Bulk Temperature(°F) = 30 , Slurry Temperature(°F) = 59
+ 0.25 lb/sack of Polyflake (Preblend)

Fluid & Cement Data

Expected Cement Top: Surface

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.300	--	--	Jan 31, 2015 13:10
Water Based Mud	--	--	--	--	Feb 01, 2015 06:15

Attachment & Tools

Down Hole Tools

Tool Type	Depth (ft)	Supplier
Guide Shoe	819.250	Third Party
Float Insert	775.450	Third Party

Tubular Plugs

Tubular Plug Type	Size (in)	Supplier
Rubber Top	8.625	Sanjel



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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>
201173	PICKUP	1 Ton	449095	TRAILER	Utility Trailer	02/01/2015 05:30	02/01/2015 12:00
445024	TRAILER	SCM Twin	745024	TRACTOR	Tandem - Tractor	02/01/2015 05:30	02/01/2015 12:00
446194	TRAILER	Bulker	746194	TRACTOR	Tandem - Tractor	02/01/2015 05:30	02/01/2015 12:00

Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Schneider, Patrick (24093)	02/01/2015 05:30	02/01/2015 12:00		
Young, Craig (27496)	02/01/2015 05:30	02/01/2015 12:00		
Daniel, David Darnell (29841)	02/01/2015 05:30	02/01/2015 12:00		
Lindsay, Kevin (27589)	02/01/2015 05:30	02/01/2015 12:00		

Treatment Reports & Remarks



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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)
1	Feb 01,2015 05:30	Arrive On Location		--	--	--	--	0.00
		Remarks: arrived 1 hour early						
2	Feb 01,2015 05:35	Wait on Client (non Sanjel)		--	--	--	--	0.00
		Remarks: waited for rig crew to run casing						
3	Feb 01,2015 08:00	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: discussed lease hazards and rig in procedures						
4	Feb 01,2015 08:30	Rig In		--	--	--	--	0.00
5	Feb 01,2015 09:05	Rig in Complete		--	--	--	--	0.00
6	Feb 01,2015 09:15	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: discussed job scope and everyones dutys						
7	Feb 01,2015 10:10	Start - Fluid	Water	3.00	100.0	--	3.00	3.00
		Remarks: filled lines						
8	Feb 01,2015 10:12	Pressure Test Start	Water	--	2,500.0	--	--	3.00
9	Feb 01,2015 10:14	Pressure Test Complete	Water	--	0.0	--	--	3.00
		Remarks: good pressure test						
10	Feb 01,2015 10:14	Pump Preflush	Water	4.00	200.0	--	20.00	23.00
		Remarks: fresh water preflush						
11	Feb 01,2015 10:19	Pump Spacer	Water	5.00	200.0	--	10.00	33.00
		Remarks: indicator dye						
12	Feb 01,2015 10:21	Mix Cement	Control Set C	4.50	150.0	--	66.50	99.50
		Remarks: tail cement @ 13.5 ppg yield = 1.74 h2o req = 9.18						
13	Feb 01,2015 10:41	Drop Plug	Water	--	--	--	--	99.50
14	Feb 01,2015 10:44	Displace Plug	Water	6.00	150.0	--	60.00	159.50
15	Feb 01,2015 10:58	Pumping Pressure Before Bump	Water	1.75	300.0	--	--	159.50
16	Feb 01,2015 10:59	Bump Plug	Water	1.75	600.0	--	--	159.50
		Remarks: bumped plug 300 psi over						
17	Feb 01,2015 11:01	Check Float	Water	--	0.0	--	--	159.50
		Remarks: floats held						
18	Feb 01,2015 11:05	Tailgate Meeting		--	--	--	--	159.50
		Remarks: revisited JSA						
19	Feb 01,2015 11:15	Rig Out		--	--	--	--	159.50
20	Feb 01,2015 11:30	Wash		--	--	--	--	159.50
21	Feb 01,2015 11:50	Job Complete		--	--	--	--	159.50
22	Feb 01,2015 11:55	Pre-Departure Meeting		--	--	--	--	159.50
23	Feb 01,2015 12:00	Leave Location		--	--	--	--	159.50



Treatment Reports & Remarks

Did Float Hold: Yes
Fluid Returns : Yes
Type : Cement
Volume (bbl) : 14
Temperature (°F) : 60
FDAS Functioning Correctly : Yes
Was the Program Followed As Per Design? : Yes

Material Transfer Sheet Number

Material Transfer Sheet Number

55897

55707