

### Products

#### Plug 1

From Depth (ft): 2322

To Depth (ft): 2500

Plug Type : Abandonment

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) = 60 , Slurry Temperature(°F) = 60

#### Plug 2

From Depth (ft): 189

To Depth (ft): 224

Plug Type : Abandonment

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) = 60 , Slurry Temperature(°F) = 60  
+ 1 % of CaCl2 (Prehydrate)

#### Plug 3

From Depth (ft): 90

To Depth (ft): 189

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 25 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 6 (bbl)

Water Temperature(°F) = 60 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 60  
+ 1 % of CaCl2 (Prehydrate)

### Fluid & Cement Data

Expected Cement Top: --

#### Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Jul 26, 2014 09:24

### Units & Personnel

#### Units

Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
449093	TRAILER	Utility Trailer	201025	PICKUP	1 Ton	07/26/2014 12:00	07/27/2014 12:00
445051	TRAILER	SCM Twin	745051	TRACTOR	Tandem - Tractor	07/26/2014 12:00	07/27/2014 12:00
446172	TRAILER	Bulker	746172	TRACTOR	Tandem - Tractor	07/26/2014 12:00	07/27/2014 12:00

#### Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Price, Ryan	07/26/2014 12:00	07/27/2014 12:00		
Feigenbaum, Andrew	07/26/2014 12:00	07/27/2014 12:00		
Lopez, Armando	07/26/2014 12:00	07/27/2014 12:00		
Davila, Israel	07/26/2014 12:00	07/27/2014 12:00		
Bailey, Steven	07/26/2014 12:00	07/27/2014 12:00		

### Treatment Reports & Remarks

Acidizing • Cementing • Coiled Tubing • Fracturing • Nitrogen

Canada • USA • International

Print Date: July 27, 2014

Service Report: 9193443

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V3.12.0.0

#### 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	Jul 26,2014 12:00	Arrive On Location	---	--	--	--	--	0.00
2	Jul 26,2014 12:10	Tailgate Meeting	---	--	--	--	--	0.00
3	Jul 26,2014 12:20	Wait On Instructions	---	--	--	--	--	0.00
Remarks: Rig not ready								
4	Jul 26,2014 15:15	Rig In	---	--	--	--	--	0.00
5	Jul 26,2014 16:00	Safety Meeting	---	--	--	--	--	0.00
6	Jul 26,2014 16:09	Sign-off on Safety	---	--	--	--	--	0.00
7	Jul 26,2014 16:11	Pump	Water	1.00	0.0	--	1.00	0.00
Remarks: filled lines for pressure test								
8	Jul 26,2014 16:12	Pressure Test	---	--	1,500.0	--	--	0.00
9	Jul 26,2014 16:15	Establish Circulation	Water	2.00	50.0	--	7.00	0.00
10	Jul 26,2014 16:25	Mix Cement	0-1-0 G	2.00	20.0	--	10.20	0.00
11	Jul 26,2014 16:31	Pump Displacement	Water	2.00	20.0	--	10.20	0.00
Remarks: at 8 bbls away went to boost pump only to balance								
12	Jul 26,2014 16:37	Stop	---	--	--	--	--	0.00
13	Jul 26,2014 16:45	Wait On Instructions	---	--	--	--	--	0.00
Remarks: waiting for rig to pull tubing to 224 ft for next plug								
14	Jul 26,2014 18:46	Pump	Water	1.00	0.0	--	1.00	0.00
Remarks: filled lines for pressure test								
15	Jul 26,2014 18:47	Pressure Test	---	--	1,000.0	--	--	0.00
16	Jul 26,2014 18:48	Establish Circulation	Water	2.00	20.0	--	14.00	0.00
Remarks: established circulation after 9bbls pumped								
17	Jul 26,2014 18:55	Mix Cement	0-1-0 G	2.00	20.0	--	10.20	0.00
Remarks: pumped slurry with pre hydrated CaCl2 1%								
18	Jul 26,2014 19:00	Pump Displacement	Water	2.00	20.0	--	1.00	0.00
19	Jul 26,2014 19:01	Stop	---	--	--	--	--	0.00
20	Jul 26,2014 19:20	Wait On Instructions	---	--	--	--	--	0.00
Remarks: waiting for cement to set so rig can tag and prepare for next plug								
21	Jul 27,2014 04:01	Pump	Water	--	--	--	1.00	0.00
Remarks: filled lines for pressure test								
22	Jul 27,2014 04:03	Pressure Test	---	--	1,000.0	--	--	0.00
23	Jul 27,2014 04:04	Establish Circulation	Water	1.00	20.0	--	15.00	0.00
Remarks: established circulation at 3 bbls away								
24	Jul 27,2014 04:15	Mix Cement	0-1-0 G	2.00	20.0	--	6.00	0.00
25	Jul 27,2014 04:19	Pump Displacement	Water	2.00	20.0	--	1.00	0.00
26	Jul 27,2014 04:21	Stop	---	--	--	--	--	0.00
27	Jul 27,2014 04:40	Wait On Instructions	---	--	--	--	--	0.00
Remarks: waiting for next plug								
28	Jul 27,2014 10:15	Mix Cement	0-1-0 G	1.00	20.0	--	5.00	0.00
Remarks: top out plug, no water ahead								
29	Jul 27,2014 10:31	Pump Displacement	Water	1.00	20.0	--	0.20	0.00
30	Jul 27,2014 10:33	Stop	---	--	--	--	--	0.00
31	Jul 27,2014 10:45	Wash	---	--	--	--	--	0.00

Treatment Report									
Event #	Event Time	Event Description	Fluid Type	Rate (bbl/min)	Tubular Pressure (psi)	Annular Pressure (psi)	Stage Volume (bbl)	Total Volume (bbl)	
32	Jul 27,2014 11:30	Rig Out	---	--	--	--	--	--	0.00
33	Jul 27,2014 11:50	Job Complete	---	--	--	--	--	--	0.00
34	Jul 27,2014 11:55	Pre-Departure Meeting	---	--	--	--	--	--	0.00
35	Jul 27,2014 12:00	Leave Location	---	--	--	--	--	--	0.00
Did Float Hold:		Not Applicable							
Fluid Returns :		Not Expected							
Type :									
Volume (bbl) :									
Temperature (°F) :		--							
FDAS Functioning Correctly :		Yes							
Was the Program Followed As Per Design? :		Yes							

**Comments To Service Report**

arrived on location at 12pm and rig was running behind so we rigged in what we could then waited on instructions. First plug went as planned, great bulk delivery. Crew change before second plug so had new crew sign JSA. Second plug went great as well with no issues. Third plug went great with no complications. When establishing circulation I noticed rigs flow line to the pits was leaking. We shut down notified company rep and rig crew corrected leak and pumping continued. Top out plug went great pumped 22 sks though 1 in at 60 ft getting .5 bbl to surface, Company rep happy with job.