

HALLIBURTON

iCem[®] Service

PETROSTAR SERVICES-EBUS

For: Aaron Smith

Date: Friday, September 20, 2019

Noble Owens K23-30D

Noble Owens K23-30D

Job Date: Friday, September 20, 2019

Sincerely,

Nick Roles and Crew

Legal Notice

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Table of Contents

Real-Time Job Summary **Error! Bookmark not defined.**
 Job Event Log..... **Error! Bookmark not defined.**
Attachments..... 6
 Noble Owens K23-30D-Custom Results.png..... **Error! Bookmark not defined.**
Custom Graphs..... **Error! Bookmark not defined.**
 Custom Graph **Error! Bookmark not defined.**

1.0 Real-Time Job Summary

1.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	DH Density (ppg)	DS Pump Rate (bbl/min)	PS Pump Press (psi)	Pump Stg Tot (bbl)	Comments
Event	1	Call Out	Call Out	9/20/2019	03:00:00	USER					Called out by Service Coordinator for O/L at 2200
Event	2	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	9/20/2019	11:45:00	USER					Held meeting with all personnel in convoy to discuss directions and hazards associated with drive, all fit to drive.
Event	3	Depart from Service Center or Other Site	Depart from Service Center or Other Site	9/20/2019	12:00:00	USER					Journey Management prior to departure
Event	4	Other	Other	9/20/2019	12:10:00	USER					Water test- PH-6, Chlor-0, Temp-65. Cement temp-70.
Event	5	Arrive at Location from Service Center	Arrive at Location from Service Center	9/20/2019	12:15:00	USER					Upon arrival met with company man to discuss job details and calculations, performed hazard hunt and site assessment.
Event	6	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	9/20/2019	12:20:00	USER	8.45	0.00	46.00	0.10	Discussed rigging up hazards and procedure according to HMS.
Event	7	Pre-Job Safety Meeting	Pre-Job Safety Meeting	9/20/2019	12:25:00	USER	8.51	0.00	11.00	15.20	Held safety meeting with all job associated personnel to discuss job procedure, hazards and stop work authority.
Event	8	Start Job	Start Job	9/20/2019	12:30:15	COM4	8.51	0.00	11.00	0.00	Cas-4.5" 11.6#, Tub-1.5" 582'.
Event	9	Test Lines	Test Lines	9/20/2019	12:34:46	COM4	8.24	0.00	26.00	4.60	Pumped 5bbbls ahead to fill lines and tubing. Performed 500k/o function test,

Event 10	Pump Cement	Pump Cement	9/20/2019	12:43:26	COM4	8.33	0.00	7.00	0.00	pressure climbed to 3300psi and held with no leaks.
										Pumped 9.1bbls or 40sks of 14.5#, 1.39y, 6.78g/s PlugCem at 1.3bpm 1550psi.
Event 11	Pump Displacement	Pump Displacement	9/20/2019	12:53:38	COM4	14.89	0.00	1941.00	4.70	Pumped 4.5bbls fresh water to clear tubing at 1.3bpm 1500psi.
Event 12	End Job	End Job	9/20/2019	12:58:21	COM4	8.31	0.00	10.00	0.00	Pumped cement to surface from 582'.
Event 13	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	9/20/2019	13:30:00	USER					Discussed rigging down hazards and procedure according to HMS with all HES personnel
Event 14	Safety Meeting - Departing Location	Safety Meeting - Departing Location	9/20/2019	14:00:00	USER					Held meeting with all personnel in convoy to discuss directions and hazards associated with drive, all fit to drive.
Event 15	Depart Location for Service Center or Other Site	Depart Location for Service Center or Other Site	9/20/2019	14:15:00	USER					Pre journey management prior to departure.

2.0 Attachments

2.1 Noble Owens K23-30D-Custom Results.png

