

HALLIBURTON

iCem[®] Service

CAERUS OIL AND GAS LLC - EBUS

For: Boyd Cottam

Date: Saturday, August 08, 2015

PUCKETT 11C-1

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Job Date: Saturday, August 08, 2015

Sincerely,

Carlton Kukus

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Table of Contents

Real-Time Job Summary
 Job Event Log.....
Custom Graphs.....
 Custom Graph.....

1.0 Real-Time Job Summary

1.1 Job Event Log

Type	Seq. No.	Activity	Date	Time	Source	DH Density <i>(ppg)</i>	Comb Pump Rate <i>(bbl/min)</i>	PS Pump Press <i>(psi)</i>	Pump Stg Tot <i>(bbl)</i>	Comments
Event	1	Call Out	8/8/2015	06:00:00	USER					ALL HES
Event	2	Pre-Convoy Safety Meeting	8/8/2015	07:30:00	USER					JOURNEY CREATED, ALL HES INVOLVED
Event	3	Crew Leave Yard	8/8/2015	08:00:00	USER					1 550, 1 660 BULK TURCK, 1 BODY LOAD BULK TRUCK , 1 ELITE PUMP TRUCK, 1 IRON TRUCK
Event	4	Arrive At Loc	8/8/2015	10:30:00	USER					RIG RUNNING CASING CASING UPON HES ARRIVAL
Event	5	Assessment Of Location Safety Meeting	8/8/2015	10:45:00	USER					ATTENDED BY ALL HES CREW
Event	6	Pre-Rig Up Safety Meeting	8/8/2015	11:00:00	USER					ATTENDED BY ALL HES CREW
Event	7	Rig-Up Equipment	8/8/2015	11:10:00	USER					RIG UP IRON TO STAND PIPE AND WASH UP TANK. RIG UP ALL BULK UNITS TO PUMP TRUCK, AND RAN WATER HOSE TO DAY TANK.
Event	8	Rig-Up Completed	8/8/2015	13:30:00	USER					COMPLETED
Event	9	Pre-Job Safety Meeting	8/8/2015	13:45:00	USER					ATTENDED BY ALL HES CREW, RIG CREW, AND COMPANY REP
Event	10	Start Job	8/8/2015	13:55:00	USER					TD 9000', TP 8976', SHOE 34.76', OPEN HOLE 8.75", TOOL SET AT 7035', CASING 4.5", 11.6 #, P110, SURFACE CASING 9.625, 36#, SET AT 2540, MW 9.1, VISC 72.

Event	11	Prime Pumps	8/8/2015	13:56:58	USER	8.33	2	2	2	FILL LINES TO PRESSURE TEST
Event	12	Test Lines	8/8/2015	13:59:02	COM7				5004	TESTED LINES TO 5004 PSI, PRESSURE HELD
Event	13	Pump Spacer 1	8/8/2015	14:07:32	COM7	12.2	4	174	40	PUMPED 40 BARRELS OF TUNED SPACER AT 12.2 LBS/GAL, YIELD OF 2.91, 18.3 WTER REQUIREMENT.
Event	14	Pump Lead Cement	8/8/2015	14:18:57	COM7	12.7	2	230	14.6	50 SACKS OF ECONOCEM, PUMPED AT 12.7 PPG, YILED OF 1.64, WATER RQUIREMENT OF 7.96. TOTALED 14.6 BBLs
Event	15	Pump Tail Cement	8/8/2015	14:30:25	COM7	13.5	8	1200	94	300 SACKS OF THERMOCEM, PUMPED AT 13.5 PPG, YIELD OF 1.76, WITH A WATER REQUIREMENT OF 8.22, TOTALED 94 BBLs
Event	16	Shutdown	8/8/2015	14:45:58	USER					SHUTDOWN CLEANED LINES TO THE PIT
Event	17	Drop Plug	8/8/2015	14:47:40	USER					DROPPED WIPER PLUG
Event	18	Pump Displacement	8/8/2015	14:50:01	COM7	8.33	7.5	317	128.6	138.5 BBLs OF FRESH WATER DISPLACMENT
Event	19	Slow Rate	8/8/2015	15:08:21	USER	8.33	2	65	10	SLOWED RATE TO 2 BBL A MINUTE 10 BBLs OUT FROM BUMPING THE PLUG
Event	20	Bump Plug	8/8/2015	15:17:58	COM7			65	138.6	BUMPED PLUG AT 65 PSI, BROUGHT TO 585
Event	21	Check Floats	8/8/2015	15:19:04	USER			615		CHECKED FLOATS, FLOATS HELD, RECIEVED .5 BBLs BACK TO THE TRUCK
Event	22	Drop Opening Device For Multiple Stage	8/8/2015	15:21:53	USER					HES AND TOOL REP DROPPED OPENING DEVICE

Cementer										AND WAITED 45 MINUTES BEFORE OPENING TOOL
Event	23	Pump Spacer 1	8/8/2015	16:08:46	COM7	8.33	2	31.00	10	PRESSURED UP TO 484 PSI TO OPEN DV TOOL. TOOL OPENED, HES CONTINUED WITH 10 BBLs OF FRESH WATER SPACER
Event	24	Pump Lead Cement	8/8/2015	16:17:38	COM7	12.5	8	611	146.6	450 SACKS OF HALCEM, MIXED AT 12.5 PPG, WITH A YIELD OF 1.83, WATER REQUIREMENT OF 9.5. TOTALED 146.7 BBLs
Event	25	Pump Tail Cement	8/8/2015	16:39:11	COM7	13.5	3	242	13.8	50 SACKS OF HALCEM, MIXED AT 13.5 PPG, WITH A YIELD OF 1.55, WATER REQUIREMENT OF 7.47. TOTALED 13.8 BBLs
Event	26	Shutdown	8/8/2015	16:43:34	USER					SHUT DOWN, CLEANED TUB AND PREPPED FOR DISPLACMNT.
Event	27	Drop Top Plug	8/8/2015	16:44:11	USER					DROPPED TOP PLUG, PLUG LAUNCHED
Event	28	Pump Displacement	8/8/2015	16:46:35	USER	8.33	7.5	275	99	PUPMED 99 BBLs FRESH WATER DISPLACEMENT WITH 3% KCL
Event	29	Slow Rate	8/8/2015	17:03:04	USER	8.33	3.5	54	10	SLOWED RATE TO 3.5 BBLs/ MINUTE, 10 BBLs AWAY FROM BUMPING THE PLUG
Event	30	Bump Plug	8/8/2015	17:06:28	USER			54	109	BUMPED PLUG AT 54 PSI, BROUGHT TO 1926 PSI TO CLOSE DV TOOL, TOOL CLOSED
Event	31	Check Floats	8/8/2015	17:07:32	USER			1926		CHECKED FLOATS, FLOATS HELD, RECIEVED 1 BBL BACK TO THE TRUCK

Event	32	End Job	8/8/2015	17:08:31	USER	GOOD CIRCULATION THROUGHOUT JOB
Event	33	Post-Job Safety Meeting (Pre Rig-Down)	8/8/2015	17:12:37	USER	ATTENDED BY ALL HES CREW
Event	34	Rig-Down Equipment	8/8/2015	17:15:00	USER	RIGGED DOWN ALL IRON, BULK, AND WATER, BLEW THE PUMP AND LINES BACK TO THEIR PERSPECTIVE TANKS
Event	35	Depart Location Safety Meeting	8/8/2015	18:30:00	USER	ATTENDED BY ALL HES CREW
Event	36	Crew Leave Location	8/8/2015	18:31:00	USER	THANK YOU FOR USING HALLIBURTON CEMENT, CARL KUKUS AND CREW