

# HALLIBURTON

Customer: HALLIBURTON OIL PRODUCING COMPANY

Job: TAPSTONE ENERGY, DUKE 18-35-8

Case: TAPSTONE ENERGY, DUKE 18-35-8 Case 1 | SO#: 902182630

## 1.0 Real-Time Job Summary

### 1.1 Job Event Log

Event	Type	Seq. No.	Activity	Graph Label	Date	Time	Source	DS Pump Press	DH Density	Comb Pump Rate	Pump Stg Tot	Comments
								(psi)	(ppg)	(bbl/min)	(bbl)	
Event 1		1	Call Out	Call Out	2/27/2015	06:00:00	USER					no on location time yet
Event 2		2	Depart Yard Safety Meeting	Depart Yard Safety Meeting	2/27/2015	07:45:00	USER					meeting with crew in yard, one hand riding with me & one with Thompson in the pump
Event 3		3	Depart Yard Safety Meeting	Depart Yard	2/27/2015	08:00:00	USER					head to Blackwell to get bulk trucks
Event 4		4	Other	Other	2/27/2015	10:00:00	USER					called Blackwell bulk plant to check on trucks, not loaded yet.
Event 5		5	Other	Other	2/27/2015	11:28:00	USER					pump truck broke down on side of hwy, called mechanics & Kenworth to get it fixed, limped it into Snokey Pokey @ why 51 & I-35
Event 6		6	Other	Other	2/27/2015	13:15:00	USER					after many phone calls to Kenworth, Cory Niles & ARS we left pump truck there & all of us continued to Blackwell in the pickup..
Event 7		7	Arrive at Dock	Arrive at Blackwell yard	2/27/2015	14:30:00	USER					arrived in Blackwell, waiting on bulk trucks to be loaded
Event 8		8	Depart Yard Safety Meeting	Depart Yard Safety Meeting	2/27/2015	16:44:00	USER					bulk trucks are loaded, have a safety meeting with drivers after they have pretrip inspections done on equipment
Event 9		9	Depart Yard Safety	Depart Blackwell yard for	2/27/2015	17:00:00	USER					set up JM, head to location.

**iCem Service**

(v. 4.1.107)

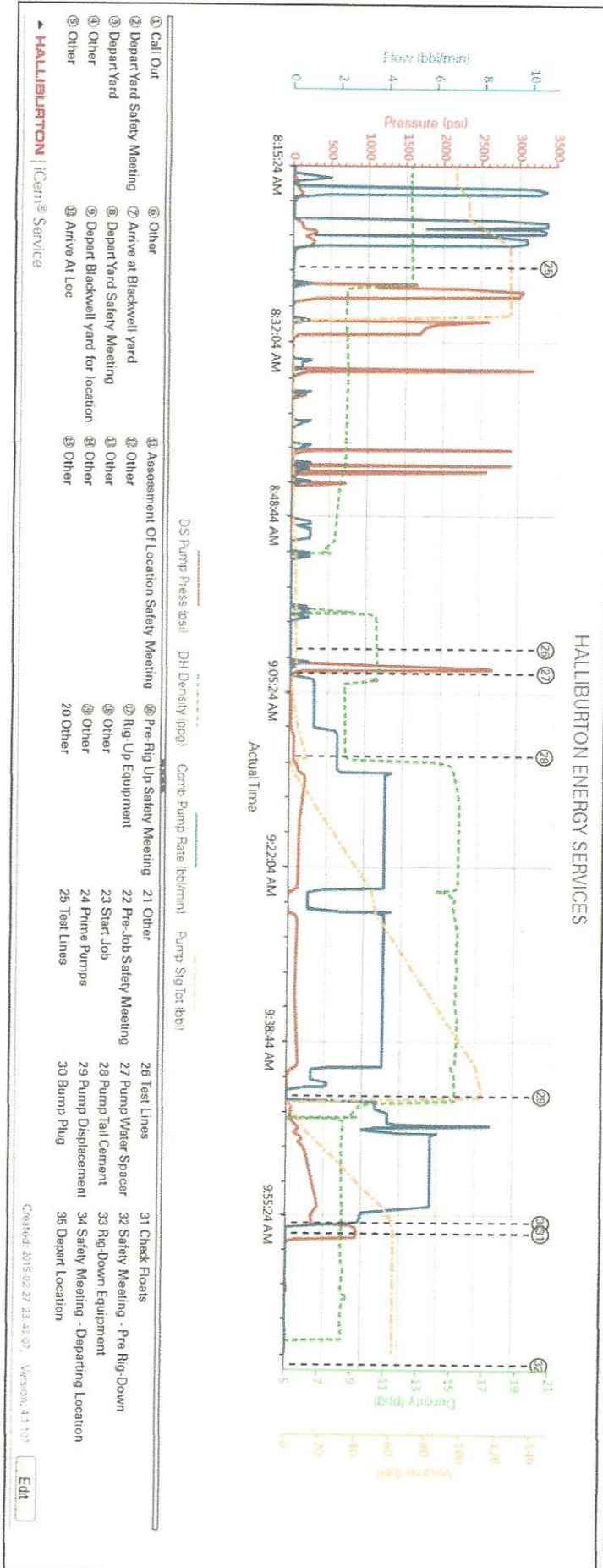
Created: Saturday, February 28, 2015

Event	Meeting	location							
Event 10	Arrive At Loc	Arrive At Loc	2/27/2015	19:00:00	USER				O/L time set at 0100
Event 11	Assessment Of Location Safety Meeting	Assessment Of Location Safety Meeting	2/27/2015	19:10:00	USER				all personal & equipment on location safety
Event 12	Other	Other	2/27/2015	19:45:00	USER				rig still drilling, talked with c/m about job figures & water supply, he said they still had a little over 100 ft to drill.
Event 13	Other	Other	2/27/2015	22:15:00	USER				got directions to town from c/m, drove into town to eat dinner, rig still drilling.
Event 14	Other	Other	2/27/2015	22:40:00	USER				got back to location, rig pulling drill pipe
Event 15	Other	Other	2/28/2015	01:00:00	USER				hots hot driver showed up with 9.625" swage
Event 16	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	2/28/2015	01:40:00	USER				rig picking up casing & putting shoe joint & floats together
Event 17	Rig-Up Equipment	Rig-Up Equipment	2/28/2015	02:00:00	USER				meeting with crew about rigging up in the snow & ice conditions, slow and easy
Event 18	Other	Other	2/28/2015	02:40:00	USER				rig-up all iron & hoses on ground
Event 19	Other	Other	2/28/2015	05:00:00	USER				rig started pulling casing back out of the hole, talked with c/m-said some threads looked bad, might have to swap out a piece of casing
Event 20	Other	Other	2/28/2015	06:22:00	USER				rig running casing back in the hole
Event 21	Other	Other	2/28/2015	07:12:00	USER				rig hand came to get the head out of the trailer
									raise standpipe & rig up floor

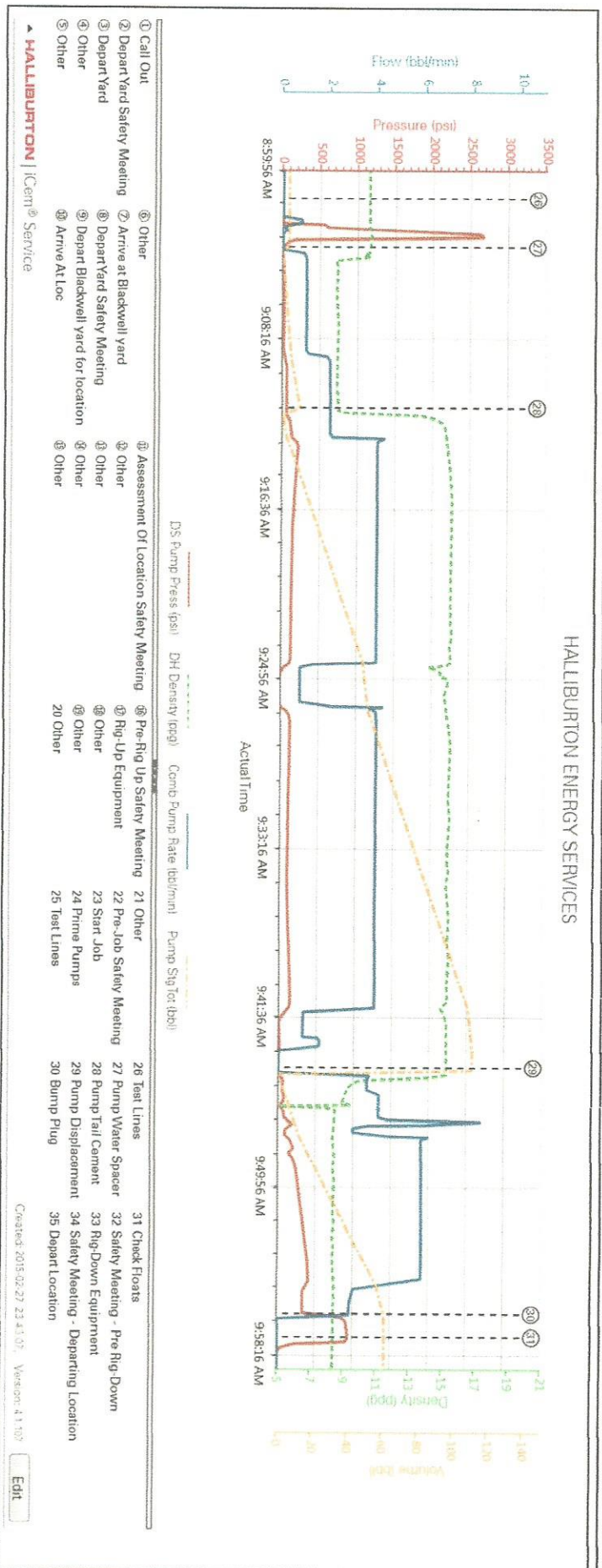
Event	22	Pre-Job Safety Meeting	Pre-Job Safety Meeting	2/28/2015	07:52:04	USER							pre-job safety meeting with all hands on location in dog house
Event	23	Start Job	Start Job	2/28/2015	08:12:41	COM8							
Event	24	Prime Pumps	Prime Pumps	2/28/2015	08:12:52	COM8							waited till last min to prime up due to the weather being 15" & snowing
Event	25	Test Lines	Test Lines	2/28/2015	08:25:25	COM8	3500.00						test lines to 2500 psi
Event	26	Test Lines	Test Lines	2/28/2015	09:01:32	COM8	3500.00						had a ice block in the lines, removed & retested to 2500 psi
Event	27	Pump Spacer 1	Pump Water Spacer	2/28/2015	09:03:53	COM8	65.00	8.33	2.00	10.0			pump 10 bls of water spacer
Event	28	Pump Tail Cement	Pump Tail Cement	2/28/2015	09:11:44	COM8	191.00	15.2	4.00	110.0			pump 110 bls of cement
Event	29	Pump Displacement	Pump Displacement	2/28/2015	09:44:13	COM8	255.00	8.33	6.00	60.0			pump 60 bls of water displacement, got 30 bls of cement back to surface
Event	30	Bump Plug	Bump Plug	2/28/2015	09:56:26	COM8	380.00	8.33	3.00	60.0			bumped on calculated
Event	31	Check Floats	Check Floats	2/28/2015	09:57:30	USER	939.00	8.33	0.00	60.0			floats holding, got 0.5 bls back
Event	32	Safety Meeting - Pre Rig-Down	Safety Meeting - Pre Rig-Down	2/28/2015	10:10:00	USER							meeting with crew about rigging down in ice & snow conditions, take breaks as needed
Event	33	Rig-Down Equipment	Rig-Down Equipment	2/28/2015	10:30:00	USER							rig down all iron & hoses, c/m said take head with us
Event	34	Safety Meeting - Departing Location	Safety Meeting - Departing Location	2/28/2015	11:30:00	USER							meeting with crew & service leader on location about road conditions & SWA
Event	35	Depart Location	Depart Location	2/28/2015	12:00:00	USER							

## 2.0 Attachments

### 2.1 TAPSTONE ENERGY, DUKE 18-35-8 Case 1-Custom Results.png

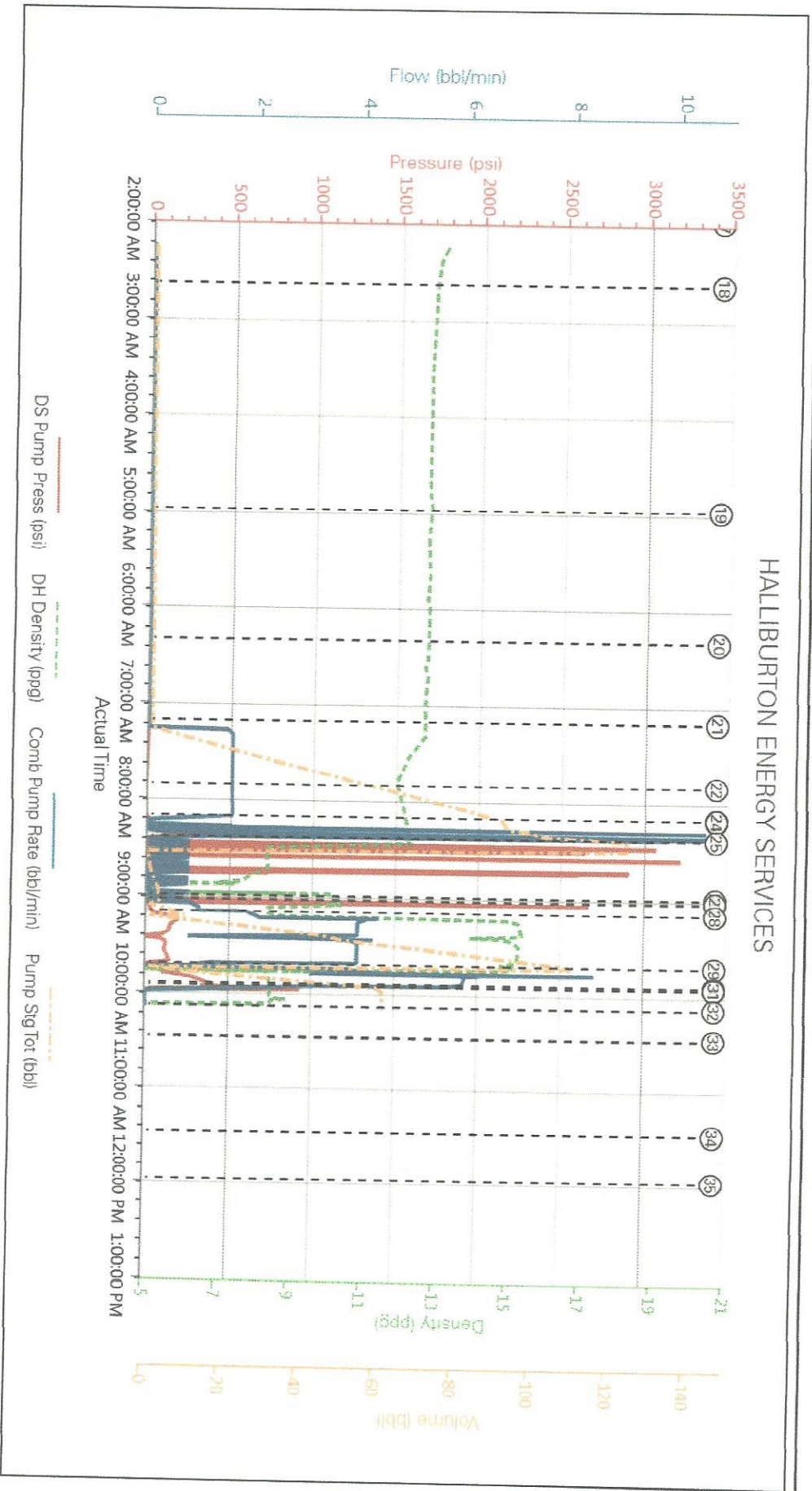


2.2 TAPSTONE ENERGY, DUKE 18-35-8 Case 1-Custom Results (1).png



## 3.0 Custom Graphs

### 3.1 Custom Graph



# HALLIBURTON

Customer: HALLIBURTON OIL PRODUCING COMPANY  
Job: TAPSTONE ENERGY, DUKE 18-35-8  
Case: TAPSTONE ENERGY, DUKE 18-35-8 Case 1 | SO#: 902182630

## 4.0 Appendix

### 4.1 3D Wellbore Schematic

