

# HALLIBURTON

iCem<sup>®</sup> Service

## **TERRA ENERGY PARTNERS-EBUS**

**For: H&P 318**

Date: Saturday, November 09, 2019

**GM 443-8 Surface**

API# 05-045-24101

Job Date: Saturday, November 09, 2019

Sincerely,  
**KC Smith**

## Legal Notice

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### Disclaimer:

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## 1.0 Real-Time Job Summary

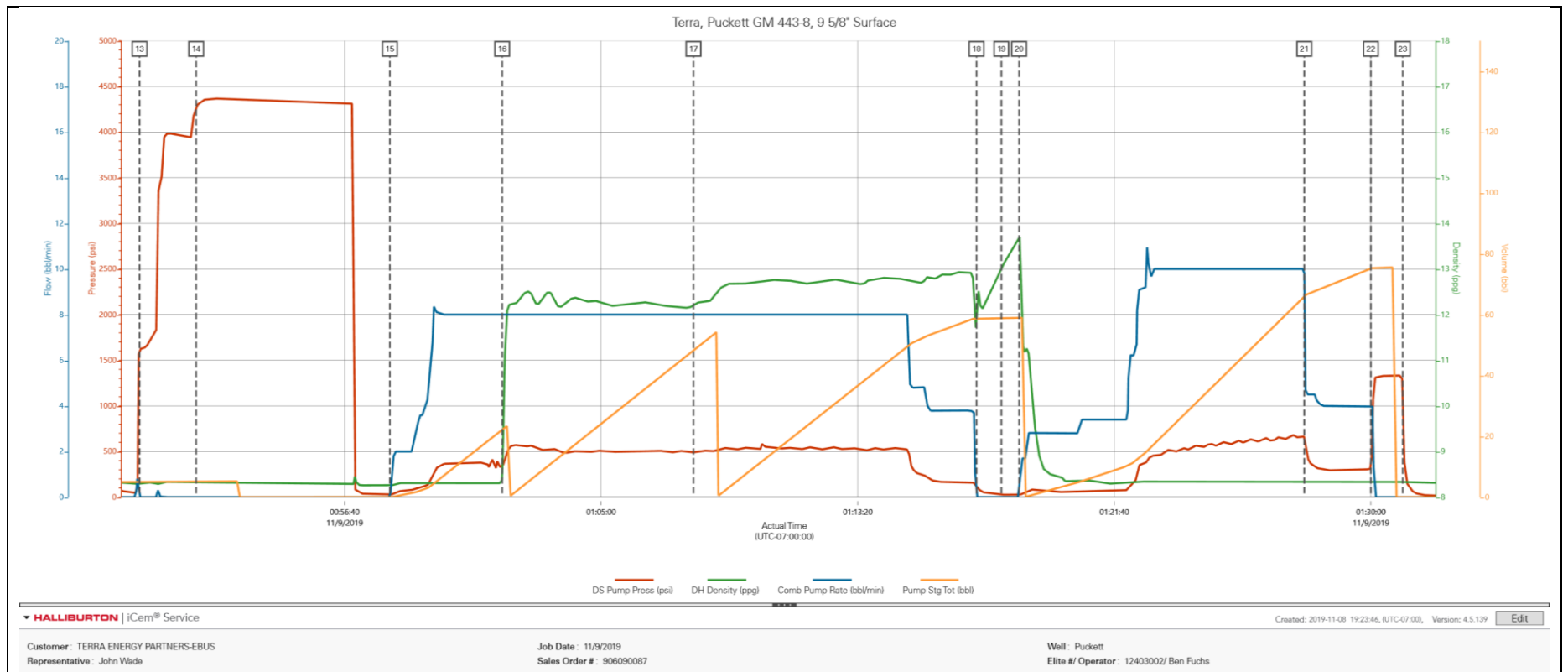
### 1.1 Job Event Log

Type	Seq. No.	Graph Label	Date	Time	Source	DS Pump Press (psi)	DH Density (ppg)	Comb Pump Rate (bbl/min)	Pump Stg Tot (bbl)	Comments
Event	1	Call Out	11/8/2019	16:30:00	USER					HES CREW CALLED OUT, REQUESTED ON LOCATION AT 20:30 ON 11/8/19.
Event	2	Depart Yard Safety Meeting	11/8/2019	19:55:00	USER					HES CREW DISCUSSES THE HAZARDS OF DRIVING TO LOCATION. FOCUS WAS ON ANIMALS IN THE ROADWAY.
Event	3	Depart from Service Center or Other Site	11/8/2019	20:00:00	USER					HES CREW DEPARTS YARD FOR LOCATION
Event	4	Arrive at Location from Service Center	11/8/2019	20:30:00	USER					HES CREW ARRIVES AT LOCATION. RIG RUNNING CASING
Event	5	Assessment Of Location Safety Meeting	11/8/2019	20:35:00	USER					HES CREW CONDUCTS A JSA AND DISCUSSES THE HAZARDS OF RIGGING UP
Event	6	WELL INFORMATION	11/8/2019	20:38:00	USER					HOLE DEPTH __1043__, TOTAL PIPE __1036__, CASING __9 5/8", __36#, __PREVIOUS CASING __87' __18", __SHOE JOINT __42.66' __HOLE SIZE __13 1/2" __MW __9.5__
Event	7	Pre-Rig Up Safety Meeting	11/8/2019	20:40:00	USER					HES CREW DISCUSS THE HAZARDS OF RIGGING UP IRON AND WATER HOSES
Event	8	Rig-Up Equipment	11/8/2019	20:45:00	USER					RIG UP IRON AND HOSES
Event	9	Rig-Up Completed	11/8/2019	21:30:00	USER					RIG UP COMPLETED. WAITING ON RIG TO FINISH RUNNING CASING
Event	10	Pre-Job Safety Meeting	11/9/2019	00:30:00	USER					HES CREW AND RIG CREW DISCUSSES THE HAZARDS OF PUMPING THE JOB. FOCUSED ON HAND PLACEMENT, LINE OF FIRE, POSITION OF FOOTING, AND KEEPING YOUR EYES ON THE PATH.
Event	11	Check Weight	11/9/2019	00:40:00	USER					MUD SCALE CHECK ON WATER READ 8.33 PPG
Event	12	Start Job	11/9/2019	00:45:00	USER	-3.00	8.37	9.40	78.10	START JOB, RIG HAS GOOD CIRCULATION. FILLED LINES WITH 5 BBLS OF FRESH WATER
Event	13	Pressure Test	11/9/2019	00:50:01	USER	1620.00	8.30	0.00	5.20	500 PSI KICKOUT TEST

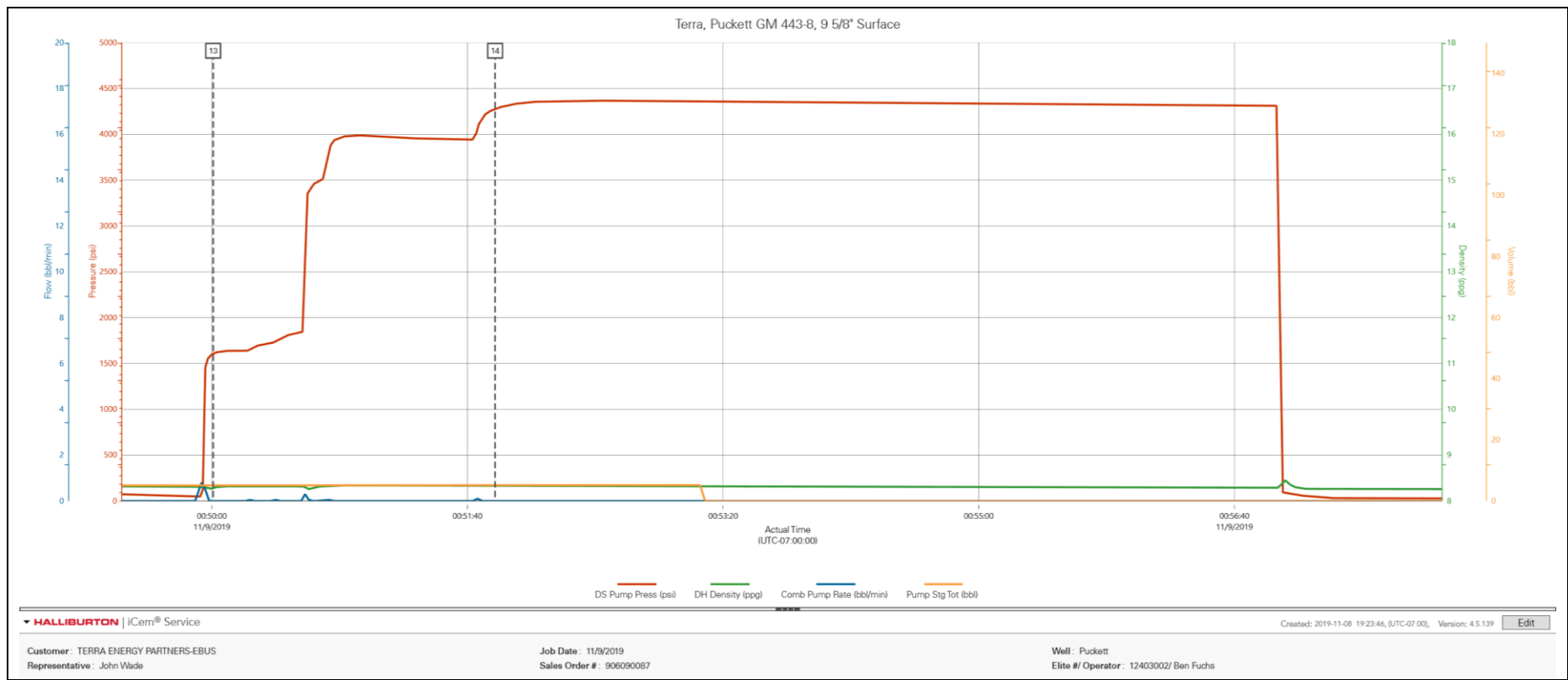
Event	14	Pressure Test	11/9/2019	00:51:51	USER	4283.00	8.33	0.00	5.20	3500 PSI PRESSURE TEST
Event	15	Pump Fresh Water	11/9/2019	00:58:08	USER	28.00	8.26	0.00	0.00	PUMP 20 BBLS FRESH WATER
Event	16	Pump Lead Cement	11/9/2019	01:01:47	USER	346.00	8.56	8.00	22.20	PUMP 53 BBLS (125 SKS) AT 12.3 PPG, 2.38 FT3/SK, 113.74 GAL/SK AT 8 BPM
Event	17	Pump Tail Cement	11/9/2019	01:08:00	USER	493.00	12.21	8.00	48.30	PUMP 56 BBLS (150 SKS) AT 12.8 PPG, 2.11 FT3/SK, 11.74 GAL/SK AT 8 BPM
Event	18	Shutdown	11/9/2019	01:17:12	USER	115.00	11.94	0.00	58.80	SHUTDOWN
Event	19	Drop Top Plug	11/9/2019	01:18:00	USER	27.00	13.00	0.00	58.80	DROP HALLIBURTON TOP PLUG. CUSTOMER THERE TO WITNESS. WASH PUMPS AND LINES O TOP OF THE PLUG
Event	20	Pump Displacement	11/9/2019	01:18:34	USER	24.00	13.67	0.00	58.80	PUMP FRESH WATER DISPLACEMENT 76.8 BBLS.
Event	21	Slow Rate	11/9/2019	01:27:50	USER	665.00	8.33	10.00	66.10	SLOW RATE LAST 10 BBLS TO 4 BPM
Event	22	Bump Plug	11/9/2019	01:30:00	USER	306.00	8.32	4.00	75.10	BUMP PLUG, FINAL CIRCULATING PRESSURE 400 PSI AND PRESSURED UP TO 1300 PSI
Event	23	Check Floats	11/9/2019	01:31:02	USER	1275.00	8.33	0.00	0.00	CHECK FLOATS, 1/2 BBL BACK TO HES PUMP
Event	24	End Job	11/9/2019	01:35:00	USER					END JOB
Event	25	Pre-Rig Down Safety Meeting	11/9/2019	01:40:00	USER					HES CREW DISCUSS THE HAZARDS OF RIGGING DOWN
Event	26	Rig-Down Equipment	11/9/2019	01:45:00	USER					HES CREW RIG DOWN EQUIPMENT AND LINES
Event	27	Rig-Down Completed	11/9/2019	02:25:00	USER					RIG DOWN COMPLETE
Event	28	ITEMS RETURNED	11/9/2019	02:26:00	USER					ITEMS RETURNED: 100 # SUGAR
Event	29	Pre-Convoy Safety Meeting	11/9/2019	02:28:00	USER					HES CREW DISCUSS THE HAZARDS OF DRIVING
Event	30	Depart Location for Service Center or Other Site	11/9/2019	02:30:00	USER					HES CREW DEPARTS LOCATION
Event	31	Job Complete	11/9/2019	02:35:00	USER					JOB COMPLETE, CEMENT TO SURFACE. THANK YOU FOR CHOOSING HALLIBURTON CEMENT DEPARTMENT - KC SMITH AND CREW

## 2.0 Attachments

### 2.1 Job Chart with Events.png



2.2 Pressure Test.png



## 2.3 Job Chart without Events.png

