

# HALLIBURTON

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## **VERDAD OIL & GAS**

**For: Joe Madsen**

Date: Monday, September 04, 2017

## **BRNAK 1-64-10-3H**

HIGHLAND

Case 1

Job Date: Sunday, September 03, 2017

Sincerely,

**Aaron Smith**

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## 1.0 Real-Time Job Summary

### 1.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Comb Pump Rate <i>(bbl/min)</i>	DH Density <i>(ppg)</i>	DS Pump Press <i>(psi)</i>	Pump Stg Tot <i>(bbl)</i>	Comments
Event	1	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	9/3/2017	00:30:00	USER					JSA TO DISCUSS THE HAZARDS OF RIG-DOWN
Event	2	Call Out	Call Out	9/3/2017	11:00:00	USER					FOR ON LOCATION @ 1530.
Event	3	Depart Yard Safety Meeting	Depart Yard Safety Meeting	9/3/2017	14:30:00	USER					JOURNEY MANAGEMENT MEETING HELD PRIOR TO DEPARTURE
Event	4	Depart from Service Center or Other Site	Depart from Service Center or Other Site	9/3/2017	14:45:00	USER					JOURNEY CALLED INTO DISPATCH.
Event	5	Arrive at Location from Service Center	Arrive at Location from Service Center	9/3/2017	15:20:00	USER					WITH ALL EQUIPMENT AND MATERIALS, RIG DOWN DO TO CRT ISSUES.
Event	6	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	9/3/2017	15:30:00	USER					JSA TO DISCUSS THE HAZARDS OF RIG-UP.
Event	7	Rig-Up Equipment	Rig-Up Equipment	9/3/2017	16:30:00	USER					RIG-UP ALL SURFACE LINES AND EQUIPMENT.
Event	8	Rig-Up Completed	Rig-Up Completed	9/3/2017	17:00:00	USER					WITH NO INCIDENTS OR INJURIES.
Event	9	Pre-Job Safety Meeting	Pre-Job Safety Meeting	9/3/2017	19:20:00	USER	0.00	8.40	2.00	26.4	WITH ALL ESSENTIAL PERSONNEL.
Event	10	Start Job	Start Job	9/3/2017	19:43:09	COM5	0.00	8.41	-4.00	26.4	WITH WATER SUPPLIED FROM UPRIGHTS, WATER TESTED GOOD TO MIX CEMENT, PH 7, CL 88 PPM, TEMP 73.
Event	11	Other	Other	9/3/2017	19:53:52	COM5	0.00	8.42	-6.00	26.4	FILL LINES.

Event	12	Test Lines	Test Lines	9/3/2017	19:59:30	COM5	0.00	8.42	15.00	30.3	@ 6000 PSI, PRESSURE TEST WAS GOOD.
Event	13	Test Lines	Test Lines	9/3/2017	20:01:47	COM5	0.00	8.54	5926.00	30.3	
Event	14	Pump Spacer 1	Pump Spacer 1	9/3/2017	20:09:25	COM5	0.40	8.44	45.00	32.5	40 BBLS TUNED SPACER @ 11.5 PPG 3.79 FT3/SK, 23.3 GAL/SK, VERIFIED WITH PRESSURIZED SCALES.
Event	15	Drop Bottom Plug	Drop Bottom Plug	9/3/2017	20:24:32	COM5	0.00	11.75	-7.00	36.2	PRE-LOADED WMF BOTTOM PLUG IN HES PLUG CONTAINER, VERIFIED BY CUSTOMER REP.
Event	16	Pump Lead Cement	Pump Lead Cement	9/3/2017	20:24:48	COM5	1.20	11.10	-1.00	0.1	1060 SKS (296.39 BBLS) ELASTICEM, @ 13.2 PPG, 1.57 FT3/SK, 7.55 GAL/SK. VERIFIED WITH PRESSURIZED SCALES.
Event	17	Pump Tail Cement	Pump Tail Cement	9/3/2017	21:18:02	COM5					1265 SKS (459.61 BBLS) NEOCEM @ 13.2 PPG, 2.04 FT3/SK, 9.75 GAL/SK VERIFIED WITH PRESSURIZED SCALES.
Event	18	Shutdown	Shutdown	9/3/2017	22:35:47	COM5	0.00	13.70	-5.00	455.1	TO BLOW LINES DOWN.
Event	19	Clean Lines	Clean Lines	9/3/2017	22:41:20	USER	3.60	12.81	92.00	455.6	
Event	20	Drop Top Plug	Drop Top Plug	9/3/2017	22:46:16	COM5	4.40	8.61	49.00	472.7	PRE-LOADED WMF TOP PLUG IN HES PLUG CONTAINER, VERIFIED BY CUSTOMER REP.
Event	21	Pump Displacement	Pump Displacement	9/3/2017	22:49:43	COM5	6.00	8.19	80.00	4.4	383.91 BBLS FRESH WATER WITH 5 GALLONS MMCR IN THE FIRST 10 BBLS, 20 GALLONS ALDICIDE THROUGHOUT.
Event	22	Displ Reached Cmnt	Displ Reached Cmnt	9/3/2017	22:52:22	COM5					
Event	23	Other	Other	9/3/2017	23:41:32	COM5					

Event	24	Other	Other	9/3/2017	23:52:36	COM5					
Event	25	Rig-Down Equipment	Rig-Down Equipment	9/3/2017	23:55:00	USER	5.70	8.15	2738.00	384.1	RIG-DOWN ALL SURFACE LINES AND EQUIPMENT.
Event	26	Bump Plug	Bump Plug	9/4/2017	00:07:11	COM5					
Event	27	Rig-Down Completed	Rig-Down Completed	9/4/2017	00:20:00	USER	0.00	8.15	-1.00	433.2	WITH NO INCIDENTS OR INJURIES.
Event	28	Depart Location Safety Meeting	Depart Location Safety Meeting	9/4/2017	00:25:00	USER	0.00	8.13	-6.00	433.2	JOURNEY MANAGEMENT MEETING HELD PRIOR TO DEPARTURE.
Event	29	End Job	End Job	9/4/2017	00:28:34	COM5					
Event	30	Depart Location for Service Center or Other Site	Depart Location for Service Center or Other Site	9/4/2017	00:30:00	USER	7.80	8.14	134.00	444.0	JOURNEY CALLED INTO DISPATCH.

## 2.0 Attachments

### 2.1 Case 1-Custom Results.png

