

# HALLIBURTON

iCem<sup>®</sup> Service

**MALLARD EXPLORATION LLC-EBUS**

Ft. Lupton District, COLORADO

**For: HANS CARY/ TODD STEPHENS**

Date: Thursday, December 16, 2021

**GREEN TEAL FED 34-27-4HN**

WELD, GREEN TEAL FED 34-27-4HN

MALLARD GREEN TEAL FED 34-27-4HN

Job Date: Thursday, December 16, 2021

Sincerely,  
**KYLE BATH**

## Legal Notice

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# HALLIBURTON

Customer: MALLARD EXPLORATION LLC-EBUS  
 Job: MALLARD SURFACE 907549701  
 Case: MALLARD GREEN TEAL FED 34-27-4HN | SO#: 907549701

## 1.0 Real-Time Job Summary

### 1.1 Job Event Log

Type	Seq No.	Activity	Graph Label	Date	Time	Source	Dwnhol e Density (ppg)	Cmb Pump Rate (bbl/mi n)	Pump A Pressur e (psi)	Cmb Stg Total (bbl)	Comments
Event	1	Arrive At Loc	Arrive At Loc	12/15/2021	18:00:00	USER					CREW ON LOCATION FROM PREV JOB, RECEIVED NUMBERS FROM CO REP, TD 1740, TP 1725, SI 35, CSG 9 5/8 36#, PREV CSG 16" @ 80', HOLE 13.5, MUD 9, 15 CENTALIZERS, WATER TEST, TEMP 65, CHLORIDES 0, PH 7
Event	2	Call Out	Call Out	12/16/2021	03:00:00	USER					CREW CALLED OUT, REQUESTED ON LOCATION 19:30
Event	3	Assessment Of Location Safety Meeting	Assessment Of Location Safety Meeting	12/16/2021	09:00:00	USER					SAFETY MEETING WITH ALL HES EE TO ASSESS ALL HAZARDS
Event	4	Safety Meeting - Pre Rig-Up	Safety Meeting - Pre Rig-Up	12/16/2021	09:15:00	USER					PRE RIG UP SAFETY MEETING WITH ALL HES EE

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Customer: MALLARD EXPLORATION LLC-EBUS  
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Event	Description	Date	Time	User	Pressure (PSI)	Flow (GPM)	Volume (GAL)	Weight (LBS)	Notes
Event 5	Safety Meeting - Pre Job	12/16/2021	12:00:00	USER	7.95	0.00	15.93	11.31	PRE JOB SAFETY MEETING WITH RIG CREW AND CO REP
Event 6	Start Job	12/16/2021	12:28:02	NONE	2.82	0.00	12.55	0.00	START RECORDING DATA
Event 7	Test Lines	12/16/2021	12:35:08	NONE	8.28	0.00	138.60	27.21	TEST LINES TO 2280 PSI
Event 8	Pump Spacer 1	12/16/2021	12:39:05	NONE	-0.17	0.00	32.33	0.00	PUMP 10 BBL FRESH WATER SPACER W/DYE 2 BPM 100 PSI
Event 9	Pump Cement	12/16/2021	12:48:05	NONE	8.64	1.28	119.12	0.02	MIX AND PUMP 600 SKS 187 BBL CEMENT 13.5 PPG, 1.75 FT3/SK, 9.23 GAL/SK 8 BPM 380 PSI, CALCULATED TOC SURFACE
Event 10	Drop Top Plug	12/16/2021	13:18:06	NONE	17.01	0.00	11.30	200.41	LAUNCH TOP PLUG
Event 11	Pump Displacement	12/16/2021	13:18:01	NONE	17.02	0.00	11.20	0.00	PUMP 130 BBL FRESH WATER DISPLACEMENT 8 BPM 600 PSI, RECEIVED 33 BBL CEMENT TO SURFACE
Event 12	Other	12/16/2021	13:50:04	USER	8.08	1.92	732.59	126.55	BUMP PLUG AT 620 PSI TOOK TO 1145 PSI

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Event 13	Other	Other	12/16/2 021	13:51:3 5	USER	8.04	0.00	496.38	126.60	CHECK FLOATS, FLOATS HELD TOOK 1 BBL BACK
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Event 14	End Job	End Job	12/16/2 021	13:53:0 6	NONE	8.01	0.00	3.84	0.00	STOP RECORDING DATA
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Event 15	Safety Meeting - Pre Rig-Down	Safety Meeting - Rig-Down	12/16/2 021	13:58:0 0	USER					PRE RIG DOWN SAFETY MEETING WITH ALL HES EE
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Event 16	Depart Location Safety Meeting	Depart Location Safety Meeting	12/16/2 021	15:00:0 0	USER					PRE DEPARTURE SAFETY MEETING WITH ALL HES EE
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Event 17	Crew Leave Location	Crew Leave Location	12/16/2 021	15:30:0 0	USER					THANK YOU FOR USING HALLIBURTON, KYLE BATH AND CREW
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## 2.0 Attachments

### 2.1 MALLARD GREEN TEAL FED 34-27-4HN-Custom Results.png

