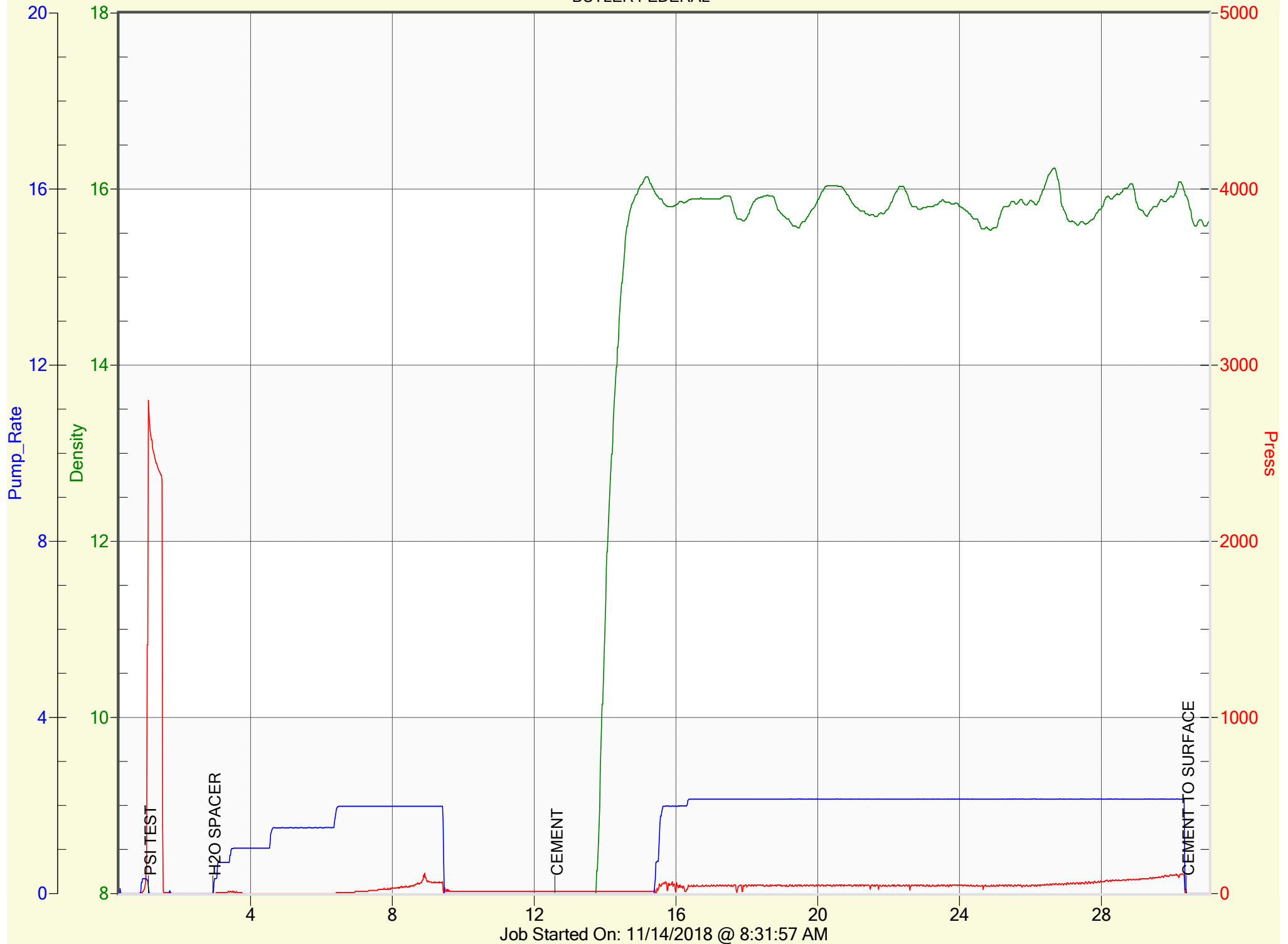


BISON

BUTLER FEDERAL





Service Order #: 74111

Date: 14-Nov-18

Well Name	Location	County	St	API#		
BUTLER 1-20		WELD	CO			
Formation	Cement Via	Type Of Service	Well Type	Age	AFE#	PO#
	TUBING	PLUG		REWORK		

Customer: BISON

Remarks: CLASS G CMT, 1.15 YIELD, 15.8 LBS/GAL(2.5% CC)
170 SKS, 34.7 BBLS
432' - 0' (SURFACE)

Customer Rep: GARY CHANDLER PH:

WELLBORE DATA				
Type	Size	Weight	Depth	Volume
Surface Casing:	8.625	24.0	311.0	
Production Casing:				
Intermediate:				
Drill Pipe:				
Tubing:	2.875	6.4	432.0	
Type	Size	Depth (Top)	Depth (Bot)	Volume
Liner:				
Open Hole:	7.875			

OTHER DATA		
BHT	Max PSI	Total Depth
	150	432.0

Packer or RetainerType / Depth:

Perf Depths:	#	Total
	0	0
	0	
	0	

TIME	PUMP RATES		DENSITY	PRESS	STG TOT	TOTAL	REMARKS
	WATER (gpm)	PUMP (bpm)	(lb/gal)	(psi)	(bbls)	(bbls)	
8:33	0	0.1	6.88	2,801	0.1	0.1	PSI TEST
8:34	0	0.0	6.88	0	0.0	0.0	H2O SPACER
8:44	0	0.0	6.88	12	10.2	10.2	CEMENT
9:02	0	0.0	15.92	0	31.7	42.0	CEMENT TO SURFACE

Summary

Max Fl. Rate	Avg Fl. Rate	Max Psi	Avg Psi
	1.9	2,801	45

Customer Acknowledgement:

Service Rating:

- ☐ Satisfactory
☐ Unsatisfactory

Cementer:

RAFAEL GARCIA

PRODUCTS USED