



Service Order #: 73230

Date: 30-Nov-18

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

Customer:

BISON

Remarks:

TEST H2O, PH 8.8, TEMP 47.6*, PPM 998
SAFETY MEETING
435 SKS, 89.2 BBLS
409' - 0'
10 SKS, 2 BBLS
TOP OFF

Customer Rep: GARY

PH:

WELLBORE DATA

Type	Size	Weight	Depth	Volume
Surface Casing:	8.625	24.0	302.0	
Production Casing:				
Intermediate:				
Drill Pipe:				
Tubing:	2.875	6.5	409.0	

Type	Size	Depth (Top)	Depth (Bot)	Volume
Liner:				
Open Hole:	7.875	302.0	409.0	

OTHER DATA

BHT	Max PSI	Total Depth

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)	
8:48	0	0.6	3.83	746	0.2	0.2	LOW PSI KICKOUT TEST / 500 PSI
8:48	0	0.1	3.83	1,480	0.2	0.2	HIGH PSI KICKOUT TEST / 1200 PSI
8:50	0	0.0	3.83	24	0.0	0.0	H2O SPAQCER
8:53	0	0.2	3.83	111	5.3	5.3	OFF LINE
9:20	0	0.0	3.83	24	5.3	5.3	START BACK UP
9:29	52	1.6	3.83	76	14.8	14.8	END SPACER / START CMT
9:53	51	1.9	3.83	137	57.5	72.3	OFF LINE / LOST CIRCULATION
16:35	0	0.0	3.83	12	0.0	0.0	H2O SPACER
16:54	0	2.6	3.83	129	24.9	24.9	END SPACER / START CMT
17:06	0	2.8	3.83	214	31.7	56.9	END CMT / START FLUSH
17:07	0	0.0	3.83	53	1.0	58.0	OFF LINE

Summary

Max Fl. Rate	Avg Fl. Rate	Max Psi	Avg Psi
2.8	1.0	1,480	127

Customer Acknowledgement:

Service Rating:

- ☐ Satisfactory
☐ Unsatisfactory

Cementer:

S. BOHLEN

PRODUCTS USED

CLASS G CMT
1.15 YEILD, 15.8 LBS/GAL