



Service Order #: 73147

Date: 02-Aug-18

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

Customer: RENEGADE OIL & GAS
P.O. BOX 460413
AURORA CO 80046-0413

Remarks: 100 SKS, 20.5 BBLS, CASING 7811' - 6495'
50 SKS, 10.3 BBLS, CASING 4500' - 4300' (2%CC)
75 SKS, 15.3 BBLS, CASING- 2100' - 1670' TAG.(2% CC)
50 SKS, 10.4 BBLS CASING 1450' - 830'
20 SKS, 4 BBLS 252' - SURFACE

Customer Rep:

PH:

WELLBORE DATA				
Type	Size	Weight	Depth	Volume
Surface Casing:				
Production Casing:	4.500	11.6		
Intermediate:				
Drill Pipe:				
Tubing:	2.375	4.7		
Type	Size	Depth (Top)	Depth (Bot)	Volume
Liner:				
Open Hole:	9.000			

OTHER DATA		
BHT	Max PSI	Total Depth
	850	7,811.0

Packer or RetainerType / Depth:

	1,260.0
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Perf Depths:	#	Total
2,100.0	0	0
	0	
	0	

TIME	PUMP RATES		DENSITY	PRESS	STG TOT	TOTAL	REMARKS
	WATER (gpm)	PUMP (bpm)	(lb/gl)	(psi)	(bbls)	(bbls)	
12:44	0	0.0	6.88	3,437	0.2	0.2	PSI TEST
12:45	0	0.0	6.88	18	0.0	0.2	CIRCULATE WELL
13:00	0	0.2	6.88	6	35.0	35.0	OFFLINE BATCH UP
13:07	0	0.1	16.15	0	0.1	36.1	START CMT
13:19	0	2.0	16.15	23	20.2	56.2	START DISPLACEMENT
13:36	0	0.0	9.34	198	23.0	79.7	OFFLINE
14:28	0	0.0	6.98	0	0.0	0.0	SQUEEZE CMT
14:31	0	0.0	6.98	1,622	1.8	1.8	OFFLINE
14:37	0	0.0	6.98	2,482	2.0	2.0	2500 PSI
9:20	0	0.1	6.95	24	0.0	0.0	START H2O SPACER
9:40	0	0.0	7.89	1,173	20.0	20.0	PUMP 20 BBLS / NO CIRCULATION
9:43	41	0.0	15.65	1,195	20.0	20.0	START CMT
9:53	197	1.5	15.92	830	10.2	30.2	END CMT / START DISPLACEMENT
10:06	0	0.0	8.37	1,375	22.5	53.8	OFF LINE /
13:06	0	0.1	8.73	688	11.4	11.4	Paused 13:06:28

Summary

Max Fl. Rate Avg Fl. Rate Max Psi Avg Psi
2.0 0.6 3,571 494

Customer Acknowledgement:

Service Rating:

- ☐ Satisfactory
☐ Unsatisfactory

Cementer:

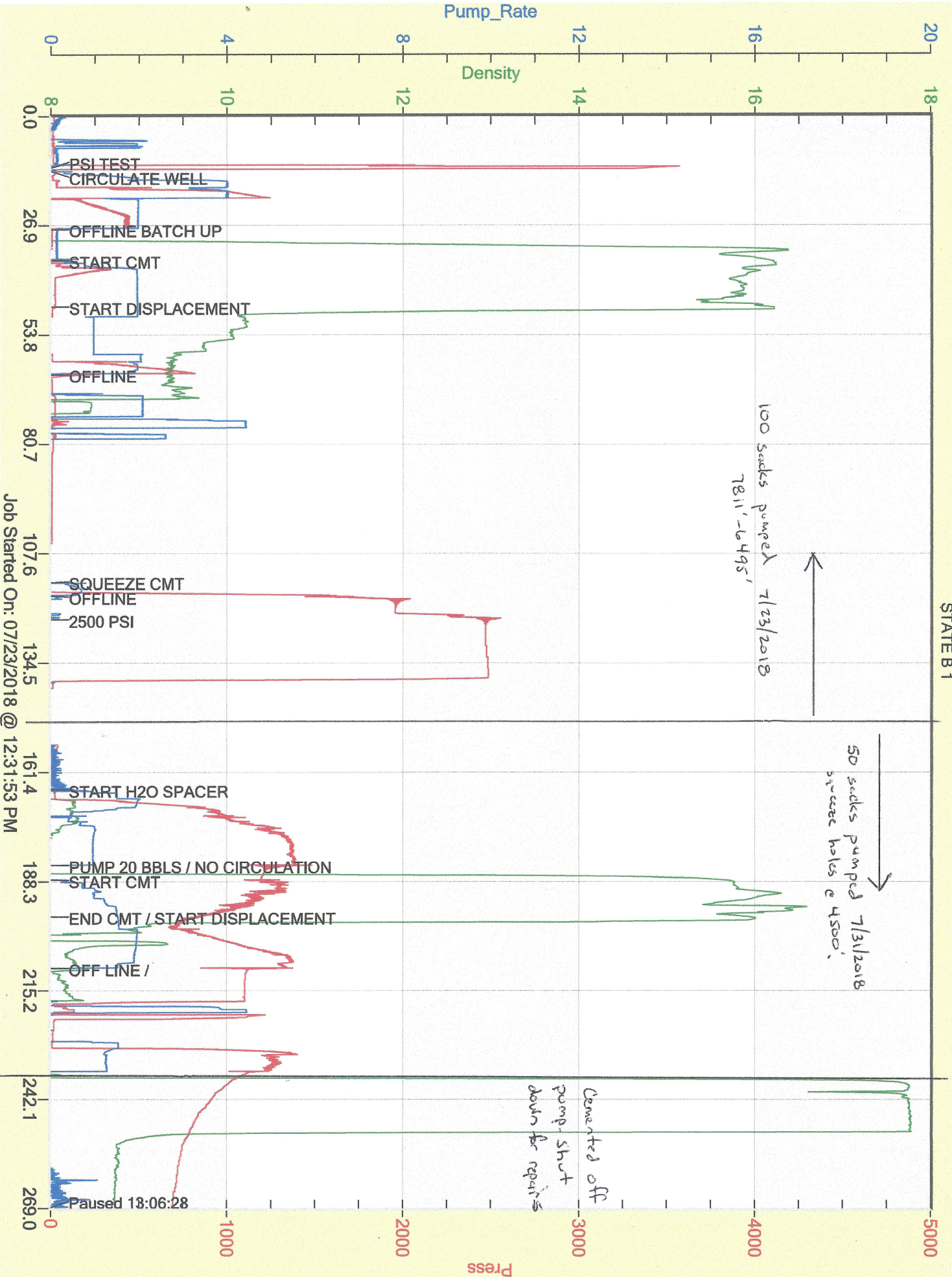
RAFAEL GARCIA

PRODUCTS USED

RENEGADE OIL AND GAS

STATE B 1

PAGE 1





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Perf Depths:	#	Total
2,100.0	0	0
	0	
	0	

TIME	PUMP RATES		DENSITY	PRESS	STG TOT	TOTAL	REMARKS
	WATER (gpm)	PUMP (bpm)	(lb/gal)	(psi)	(bbls)	(bbls)	
14:22	0	0.1	6.88	2,721	0.2	0.2	PSI TEST
14:23	0	0.7	6.88	0	0.0	0.0	H2O SPACER
14:33	0	0.0	6.88	982	5.0	5.0	CEMENT
14:45	0	2.1	15.94	206	15.3	15.3	DISPLACEMENT
14:50	0	2.5	12.50	822	11.5	27.8	OFF LINE
14:57	0	0.0	10.26	0	12.1	28.3	Paused 14:57:43-15:39:54
15:39	0	0.0	6.88	322	0.0	0.0	ANNOTATION

Summary

Max Fl. Rate Avg Fl. Rate Max Psi Avg Psi
2.5 1.5 2,721 678

Customer Acknowledgement:

Service Rating:

- ☐ Satisfactory
☐ Unsatisfactory

Cementer:

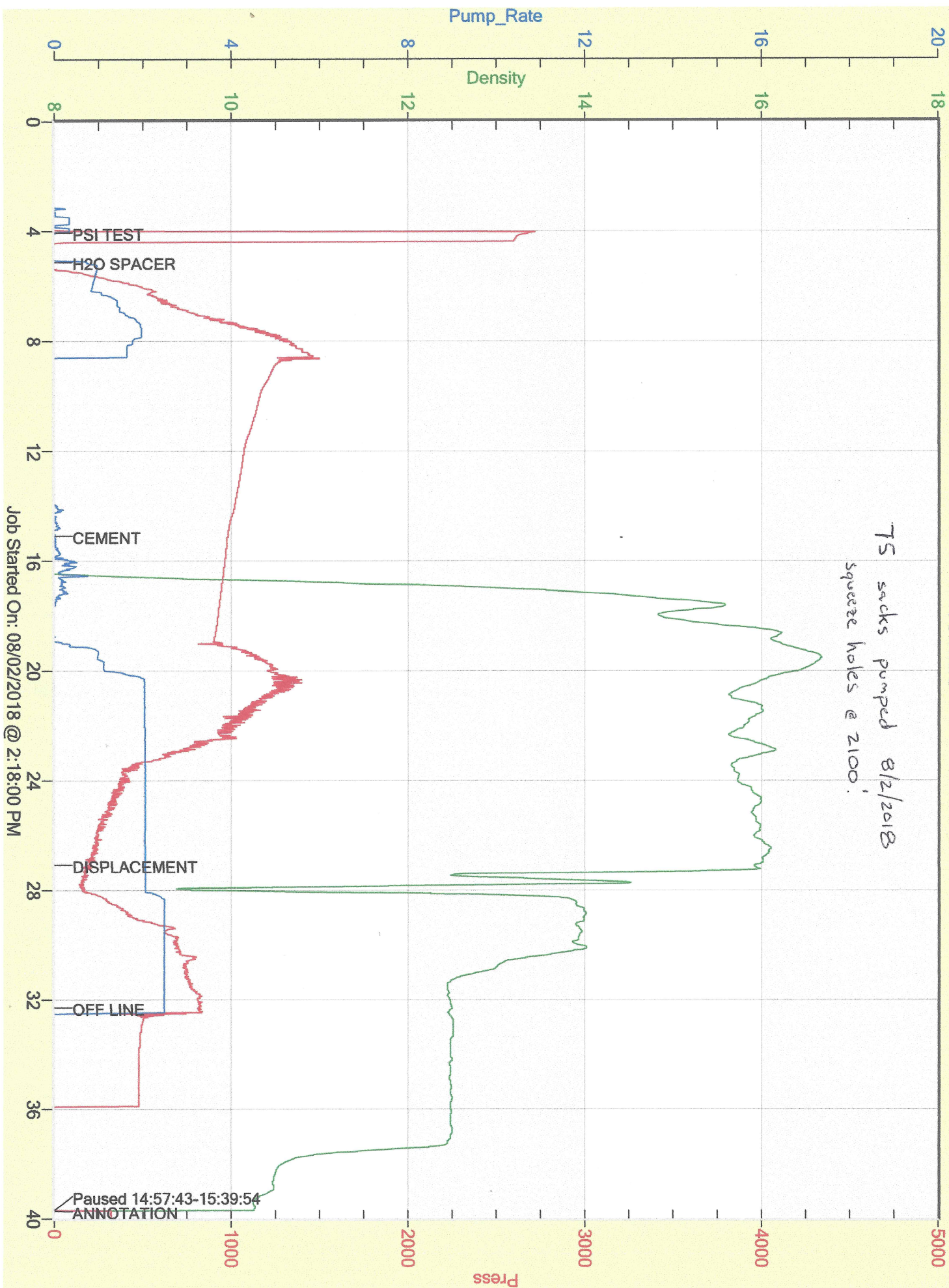
RAFAEL GARCIA

PRODUCTS USED

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RENEGAGE OIL & GAS 1 STATE B

75 sacks pumped 8/2/2018
squeeze holes @ 2100'





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Intermediate:				
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Open Hole:	9.000			

OTHER DATA		
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Packer or RetainerType / Depth:

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Perf Depths:	#	Total
2,100.0	0	0
	0	
	0	

TIME	PUMP RATES		DENSITY	PRESS	STG TOT	TOTAL	REMARKS
	WATER (gpm)	PUMP (bpm)	(lb/gal)	(psi)	(bbls)	(bbls)	
18:43	0	0.7	6.88	0	0.0	0.0	H2O SPACER
18:51	0	0.3	6.88	0	12.4	12.4	OFF LINE
18:59	48	0.6	15.91	39	0.0	0.3	CEMENT
19:09	0	2.0	15.14	0	10.4	13.4	DISPLACEMENT
19:12	0	0.0	11.32	0	2.7	16.2	OFF LINE
19:52	0	0.3	9.41	0	0.0	0.0	H2O SPACER
19:56	0	0.0	15.84	0	5.2	5.2	OFF LINE
19:57	1	0.3	15.94	0	0.0	5.2	CEMENT
20:01	0	0.1	6.93	21	5.0	10.5	OFF LINE
20:08	0	0.0	8.24	0	5.0	10.5	Paused 20:08:12

Summary

Max Fl. Rate	Avg Fl. Rate	Max Psi	Avg Psi
2.0	0.6	233	27

Customer Acknowledgement:

Service Rating:

- ☐ Satisfactory
☐ Unsatisfactory

Cementer:

RAFAEL GARCIA

PRODUCTS USED

RENEGADE 1 STATE B

50 sack pumped 8/2/2018
Balanced plug from 1450'-830'

20 sacks pumped 8/2/2018
Balanced plug from 252'-surface

