



Service Order #: 75346C

Date: 30-May-18

Well Name	Location	County	St	API#		
CARLETON 1		WELD	CO	05-123-11852		
Formation	Cement Via	Type Of Service	Well Type	Age	AFE#	PO#
	TUBING	PLUG	GAS	REWORK		

Customer: ENERPLUS RESOURCES

Remarks:

\*Cement Plugs\*  
 Plug 1: 14.3 bbls / 70 sks (7648 - 7411)  
 Plug 2: 14.3 bbls / 70 sks (6859 - 6622)  
 Plug 3: 8.2 bbls / 40 sks (858 - 722)  
 Plug 4: 73.5 bbls / 359 sks (661 - 0)

Customer Rep: KIRK WILLIAMS

PH:

WELLBORE DATA				
Type	Size	Weight	Depth	Volume
Surface Casing:	8.625	24.0	313.0	
Production Casing:				
Intermediate:				
Drill Pipe:				
Tubing:	2.625	6.5	7,616.0	
Type	Size	Depth (Top)	Depth (Bot)	Volume
Liner:				
Open Hole:	7.875	313.0	7,640.0	

OTHER DATA		
BHT	Max PSI	Total Depth
	2,500	7,616.0

Packer or RetainerType / Depth:

Perf Depths:	#	Total

TIME	PUMP RATES		DENSITY	PRESS	STG TOT	TOTAL	REMARKS
	WATER (gpm)	PUMP (bpm)	(lb/gal)	(psi)	(bbls)	(bbls)	
15:02	0	0.0	6.88	4,511		0.1	PSI TEST LINES
15:06	0	0.0	6.89	0		0.0	BEGIN BATCHING UP CEMENT TO 15.8 PPG
15:11	66	0.0	15.92	0		0.0	PUMP H2O SPACER
15:14	0	2.0	15.97	512		5.1	END SPACER - PUMP CEMENT
15:20	0	3.0	15.44	178		14.9	END CEMENT - DISPLACE CEMENT WITH H2O
15:34	400	0.3	6.88	441		42.7	SHUT DOWN - END PLUG 1
16:09	0	0.3	6.88	0		0.0	ESTABLISH CIRCULATION
16:13	0	2.0	6.90	823		9.4	CIRC EST. - BATCH UP CEMENT TO 15.8 PPG
16:18	0	2.0	16.04	854		20.1	END SPACER - PUMP CEMENT
16:26	0	2.0	15.76	31		14.5	END CEMENT - DISPLACE CEMENT WITH H2O
16:40	0	0.3	6.88	0		30.4	SHUT DOWN - END PLUG 2
21:44	0	0.0	6.88	12		0.0	PUMP H2O SPACER
21:47	0	1.8	6.88	111		5.0	SHUT DOWN
21:49	0	0.0	6.88	73		0.0	BATCH UP CEMENT TO 15.8 PPG
21:54	0	0.0	15.97	61		0.0	PUMP CEMENT
21:58	0	2.0	16.19	31		8.2	END CEMENT - DISPLACE CEMENT WITH H2O
22:00	0	2.0	8.39	19		4.0	SHUT DOWN - END PLUG 3
22:10	0	0.2	6.99	12		0.0	PUMP H2O SPACER
22:14	0	2.0	6.88	119		5.0	SHUT DOWN
22:15	0	0.0	6.88	49		0.0	BATCH UP CEMENT TO 15.8 PPG
22:21	0	0.5	15.80	111		0.1	PUMP CEMENT
23:02	0	0.6	16.00	19		71.8	SHUT DOWN - RIG POOH & NIPPLE DOWN
23:33	0	0.2	15.47	23		0.0	TOP OFF WELL
23:35	0	1.0	15.50	19		1.7	SHUT DOWN - END JOB

Customer Acknowledgement:

Service Rating:

- ☐ Satisfactory  
☐ Unsatisfactory

Cementer:

CORY THAUT

PRODUCTS USED

Plugs 1, 2 & 4: Class G (neat)  
 \*Density: 15.8 ppg / Yield: 1.15  
 Plug 3: Class G + 3% CaCl  
 \*Density: 15.8 ppg / Yield: 1.15



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**Summary**

Max Fl. Rate	Avg Fl. Rate	Max Psi	Avg Psi
3.0	0.6	4,511	223

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Service Rating:

- ☐ Satisfactory  
☐ Unsatisfactory

Cementer:

CORY THAUT

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\*Density: 15.8 ppg / Yield: 1.15  
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