



Service Order #: 19163

Date: 05-Feb-16

Well Name	Location	County	St	API#		
BROOMFIELD 24-45		WELD	CO	05-123-25652		
Formation	Cement Via	Type Of Service	Well Type	Age	AFE#	PO#
	TUBING	PLUG	OIL		203524	

Customer: NOBLE

Remarks: G CMT 1.15 YEILD 4.99 GAL/SK
 #1 5 BBLs H2O 2.0 BBLs CMT 10 SKS
 25 BBLs DISPLACE TD 6846' TOC 6715'
 #2 5 BBLs H2O 6.1 BBLs 30 SKS CMT
 15 BBLs DISPALCE TD 4518' TOC 4126'
 #3 5 BBLs H2O 6.1 BBLs 30 SKS CMT
 7.5 BBLs DISPLACE TD 2509' TOC 2117'
 #4 664' TO SURFACE 10.3 BBLs CMT 50 SKS INCLUDING TOP OFF

Customer Rep:

PH:

WELLBORE DATA				
Type	Size	Weight	Depth	Volume
Surface Casing:				
Production Casing:	4.500	11.6	6,846.0	105.0
Intermediate:				
Drill Pipe:				
Tubing:	2.375	4.7	6,838.0	26.0

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

OTHER DATA		
BHT	Max PSI	Total Depth

Packer or RetainerType / Depth:

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Perf Depths:	#	Total
	0	0
	0	
	0	

TIME	PUMP RATES		DENSITY (lb/gl)	PRESS (psi)	STG TOT (bbls)	TOTAL (bbls)	REMARKS
	WATER (gpm)	PUMP (bpm)					
15:34	46	0.0	8.25	0	0.0	0.0	START JOB
15:35	51	0.3	8.25	48	0.1	0.1	STRAT PSI TEST
15:35	55	0.0	8.25	18	0.1	0.1	END OF PSI TEST
15:43	0	0.0	15.70	0	0.0	0.2	PUMP H2O AHEAD
15:47	0	2.0	15.70	489	5.0	5.2	END OF H2O
15:47	0	2.0	15.70	477	0.0	5.2	START CMT
15:48	0	2.1	15.70	451	2.1	7.3	END OF CMT
15:48	0	2.1	15.70	449	0.0	7.3	START DPSLACEMENT
15:58	0	2.5	14.73	601	25.1	32.4	END PF DISPLACEMENT
8:32	183	0.0	2.26	24	0.0	1.8	START JOB
8:33	0	0.0	2.26	0	0.0	1.8	START PSI TEST
8:33	0	0.2	2.26	758	0.2	0.2	EN DPOF PSI TEST
8:35	1	0.0	8.08	0	0.7	0.7	START H2O AHEAD
8:40	408	3.8	15.12	1,002	15.1	16.1	END OF H2O AHEAD
8:40	415	3.8	15.12	1,002	0.0	16.2	START CMT
8:42	0	3.8	12.03	840	6.4	22.5	END OF CMT
8:42	0	3.8	12.30	850	0.0	22.6	START DISPLACEMENT
8:45	0	3.5	10.02	912	15.0	37.6	END PF DISPLACEMENT
9:37	0	0.0	8.98	0	0.0	0.0	START JOB
9:43	0	0.0	13.45	0	0.0	2.0	START CMT
9:46	0	3.1	12.83	264	10.8	12.8	END OF CMT

Customer Acknowledgement:

Service Rating:

- Satisfactory
- Unsatisfactory

Cementer:

R.ACEVEDO

PRODUCTS USED

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Summary

Max Fl. Rate	Avg Fl. Rate	Max Psi	Avg Psi
3.8	1.1	2,549	535

Customer Acknowledgement:

Service Rating:

- Satisfactory
- Unsatisfactory

Cementer:

R.ACEVEDO

PRODUCTS USED

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