

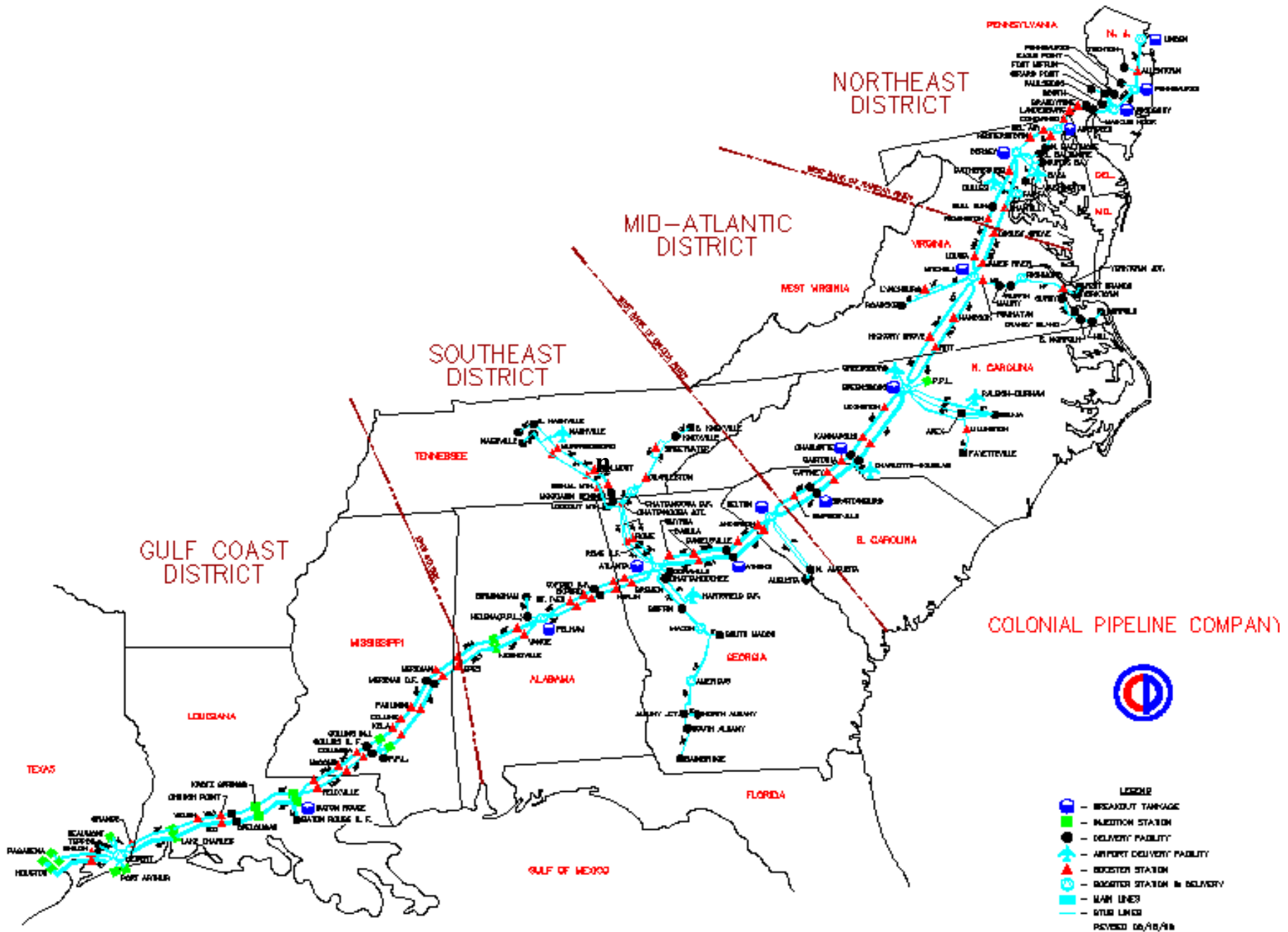
ULSD Pipeline Test Results

*Colonial Pipeline Company
EPA Workshop Presentation
November 20, 2002*

Review

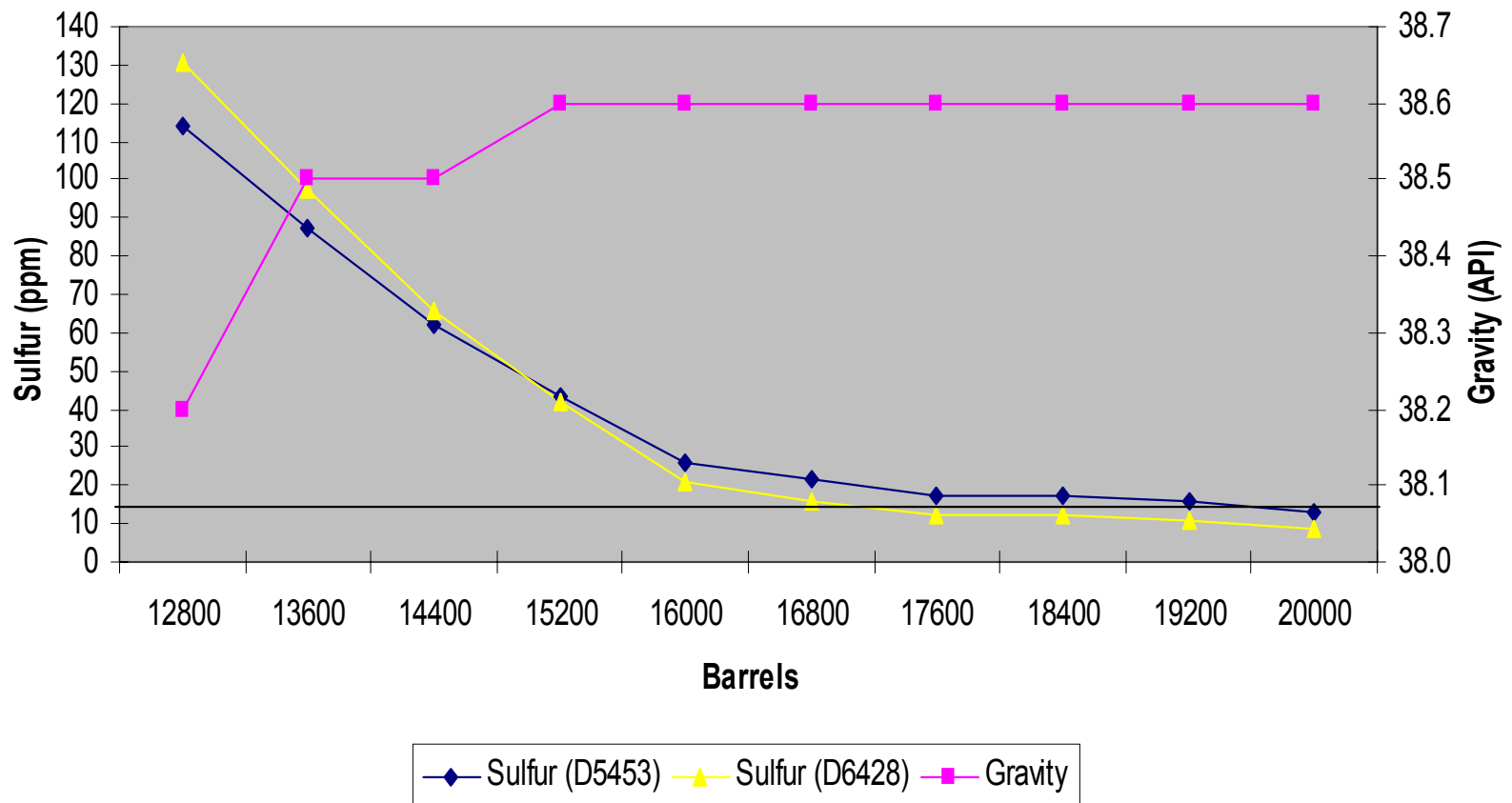
- System Overview
- Sulfur Results
- Recent Movements
- Conclusions





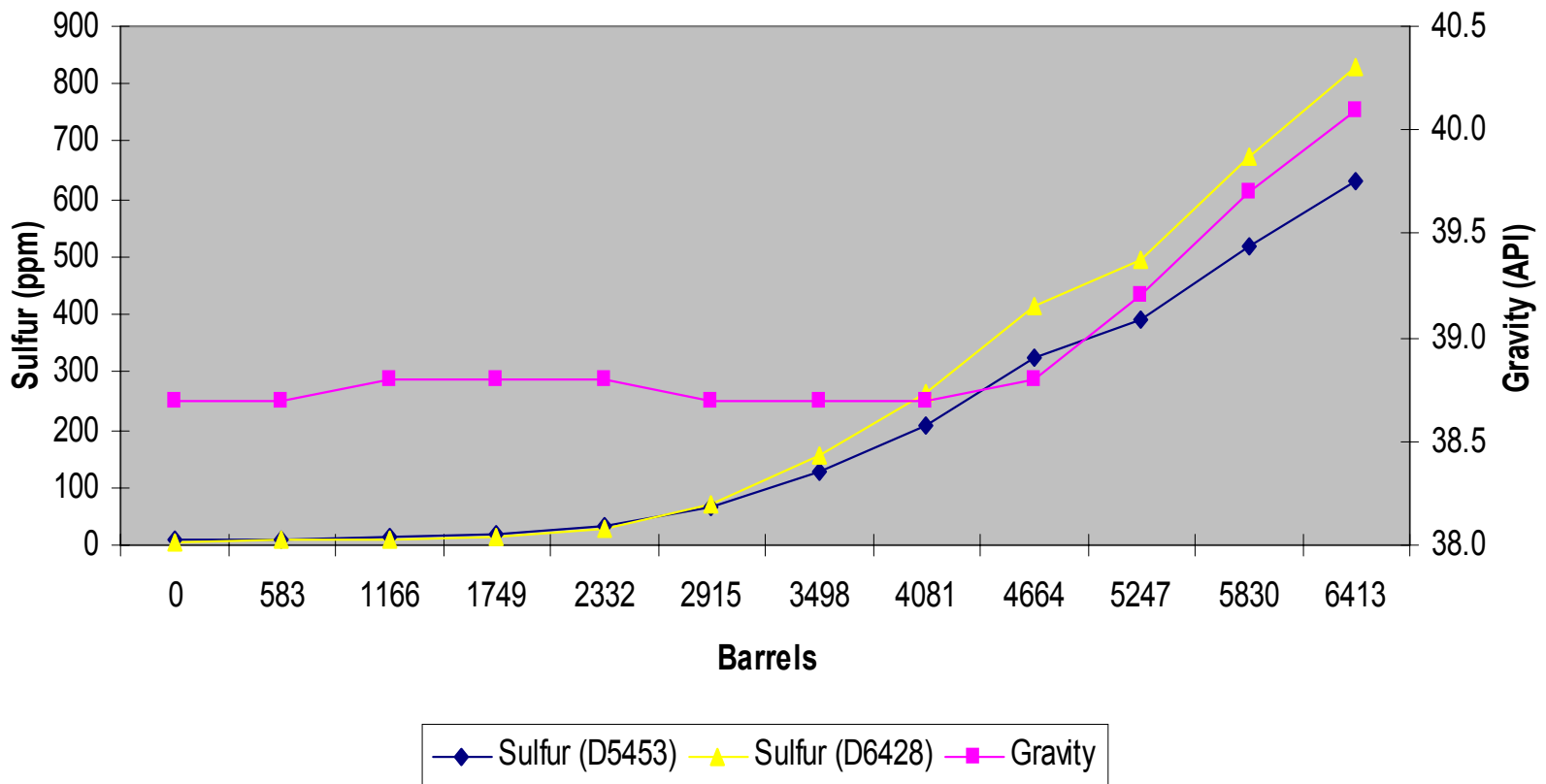
Movement 1

Atlanta Head End ULSD



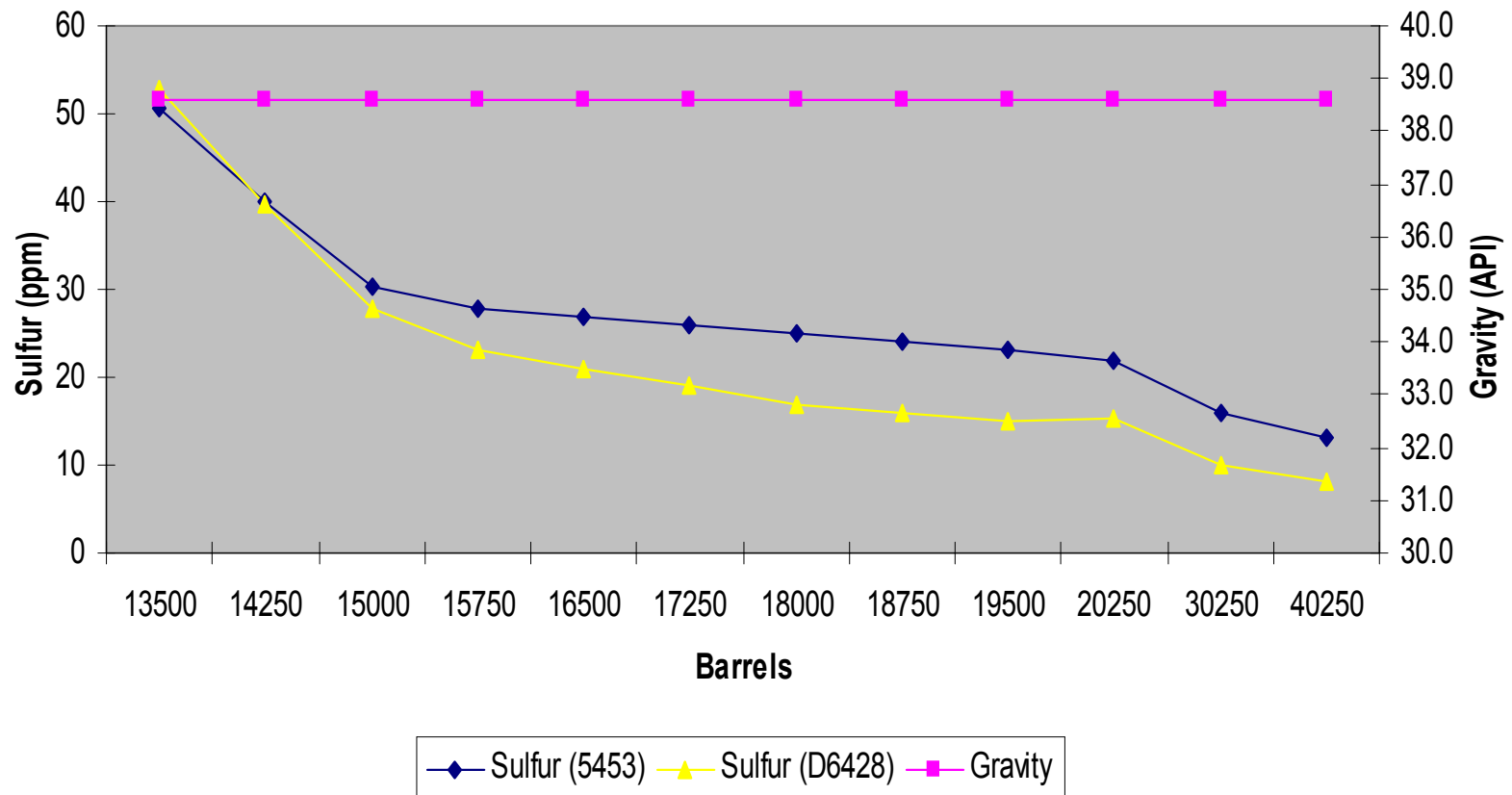
Movement 1

Atlanta Tail End ULSD



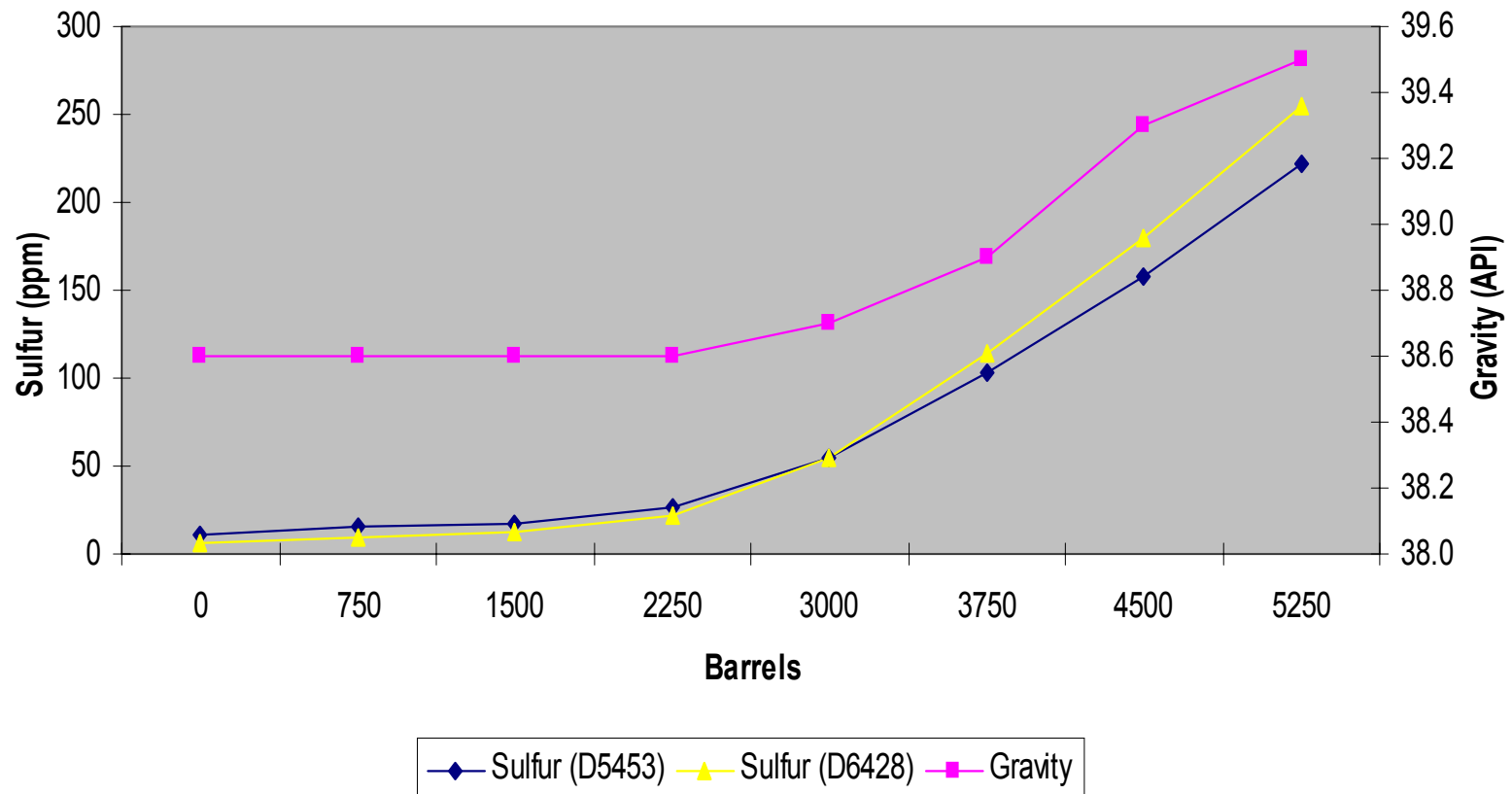
Movement 1

Greensboro Head End ULSD



Movement 1

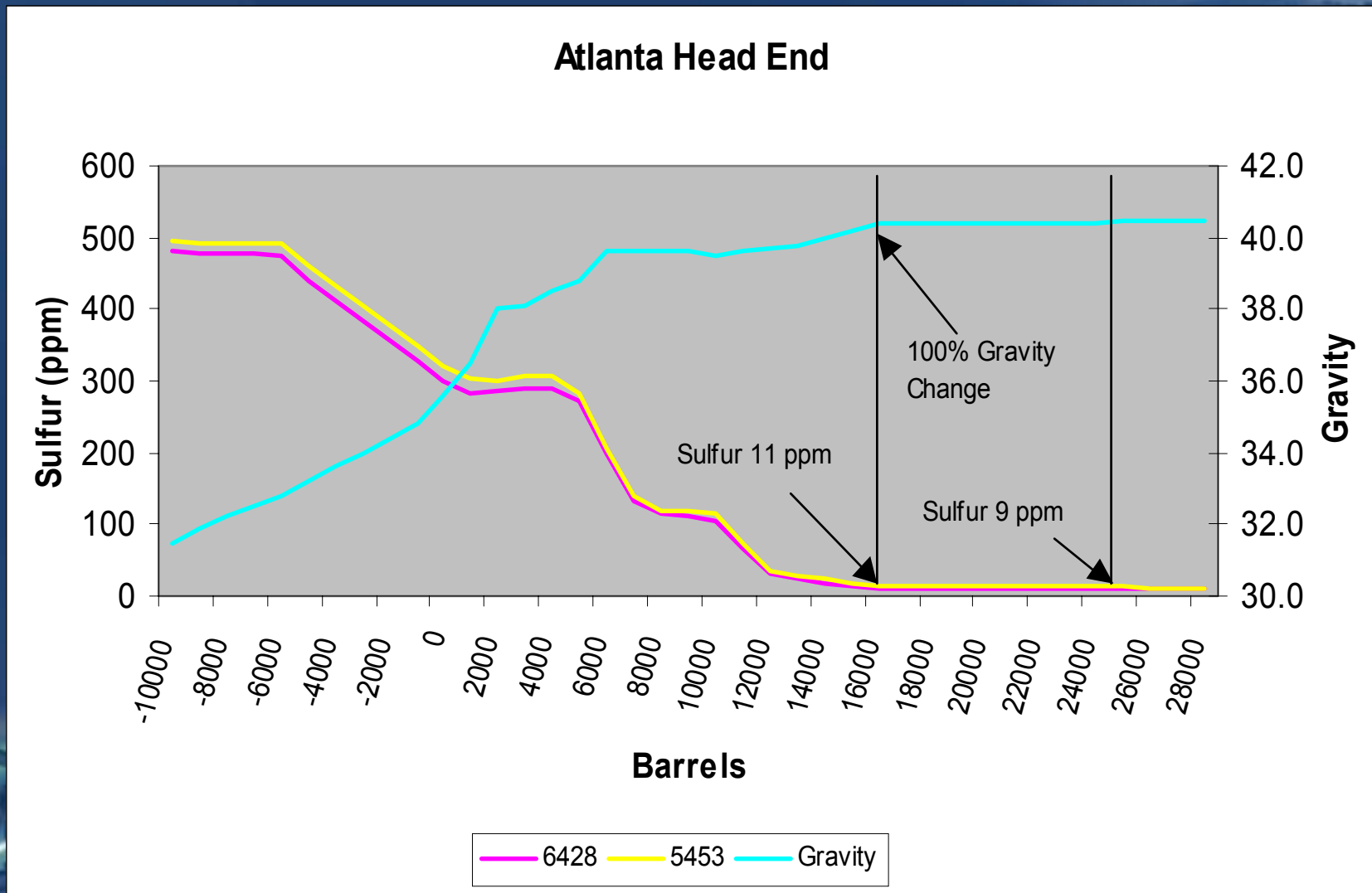
Greensboro Tail End ULSD



Movement 1 Summary

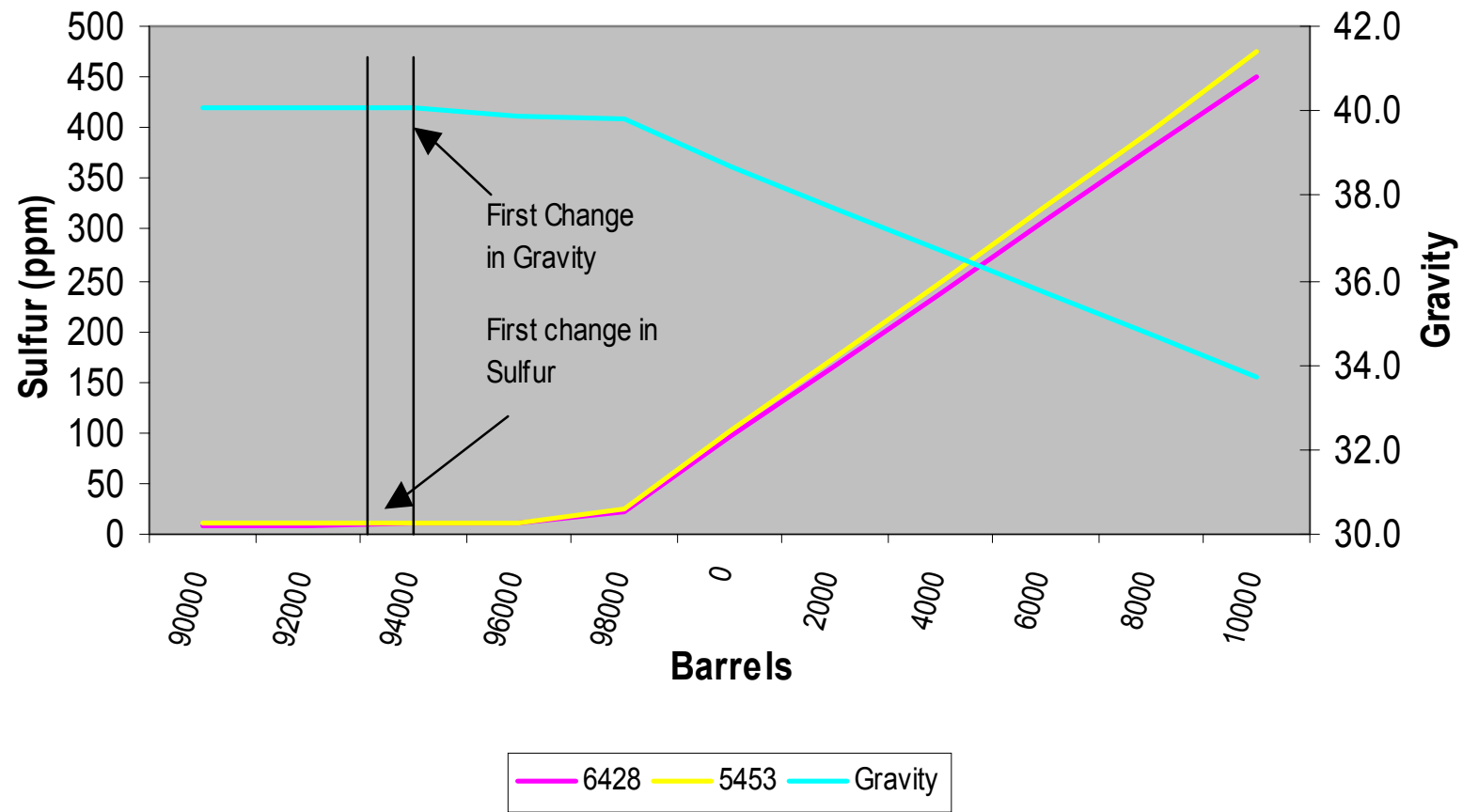
		<u>D5453</u>	<u>D6428</u>
Origin Lifting		10	7
Atlanta		10	7
Greensboro		10	7
Greensboro Tankage		18	13
Greensboro Local		18	13
Greensboro North		22	17
Selma		24	19

Movement 2

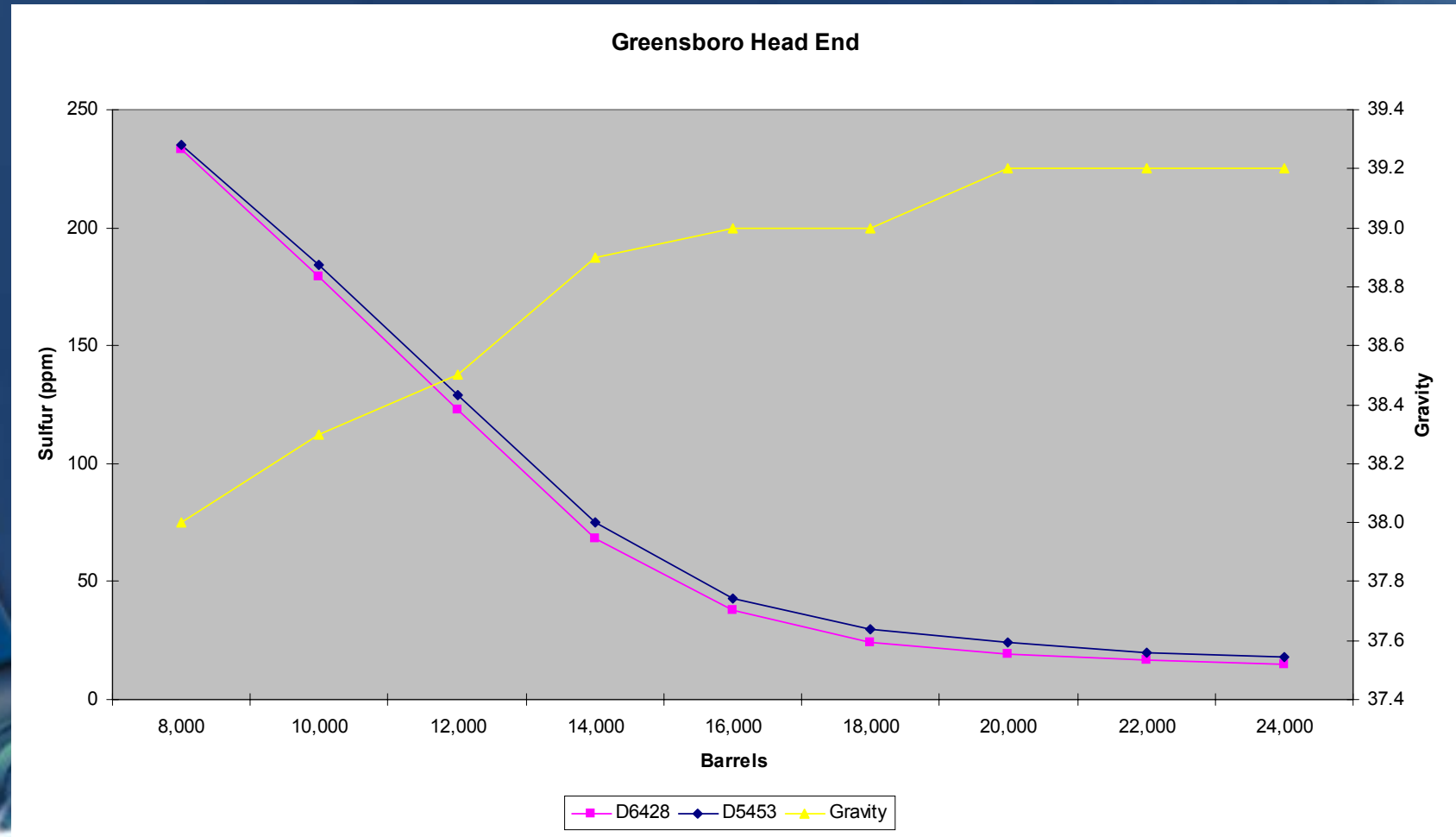


Movement 2

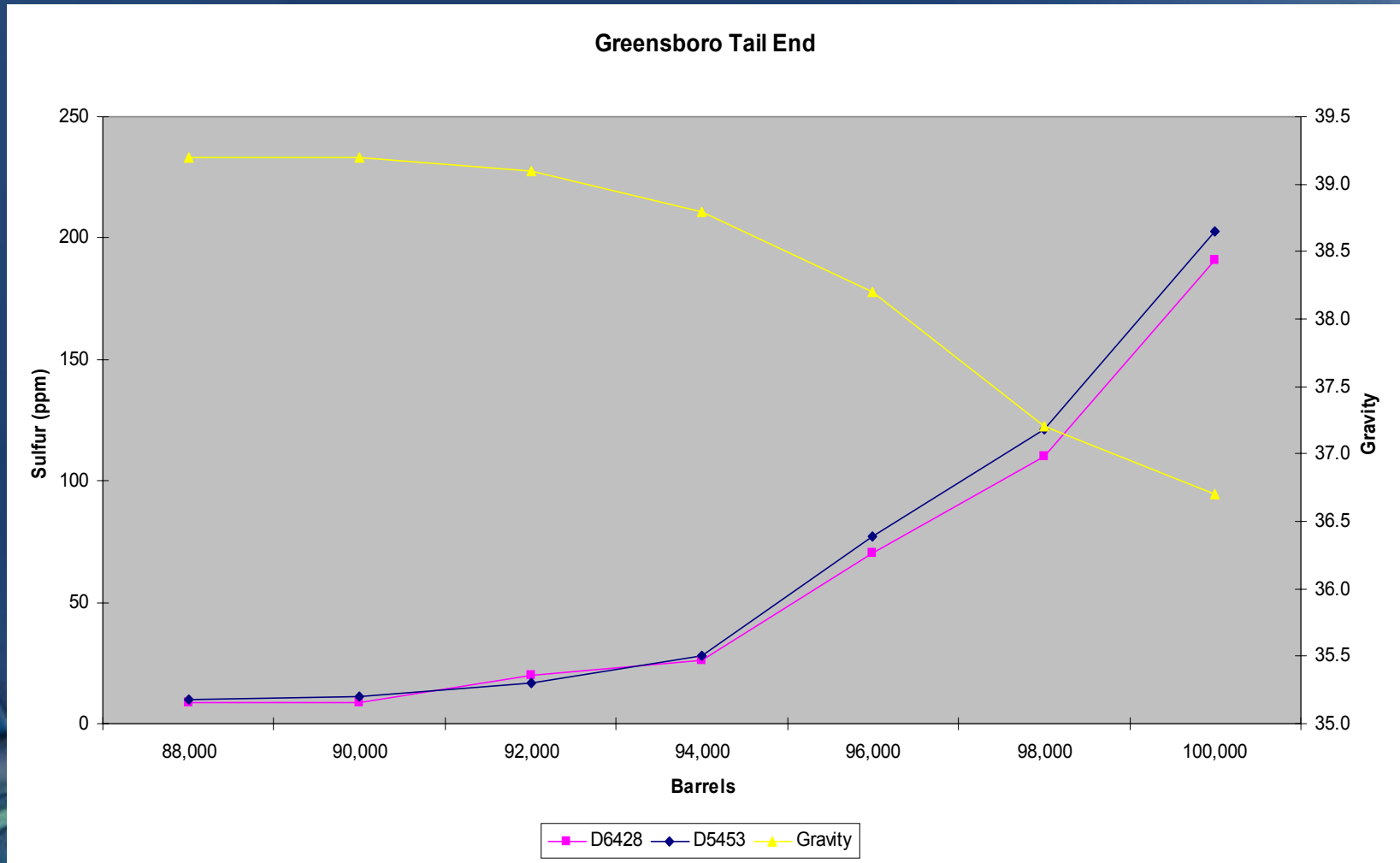
Atlanta Tail End



Movement 2



Movement 2



Movement 2 Summary

		<u>D5453</u>	<u>D6428</u>
Origin Lifting		11	9
Atlanta		10	9
Greensboro		11	9
Greensboro Tankage		13	11
Greensboro Local			
Greensboro North			
Selma			

Conclusions

- Sulfur changes may coincide with gravity change. More supporting data than not.
- Interface size is larger than typical.
- In and out of tankage offer greatest contamination problems. Over displacement is the only method to protect the ULSD.
- Tests indicate a lower specification will be required.