



# PROMAX EMISSIONS COMPLIANCE ASSURANCE

OKLAHOMA AND TEXAS

APRIL 2023

Rose Rock was retained by an exploration and production company with facilities throughout Oklahoma and Texas to determine the best course of action regarding an oil well that was being recompleted. The objective was to comply with OOOOa regulations early in the life of the well while evaluating the economics of a sales gas line. Rose Rock's air team utilized BR&E's ProMax 6.0 process simulation software to accurately estimate the well's anticipated emissions. Using an adaptable model, we were able to simulate multiple process flows to ensure the client remained in compliance. Rose Rock determined that a temporary flare located upstream of the tanks would be necessary. Once the well was brought online, actual production data was then used by Rose Rock to determine how long the temporary flare would be necessary to ensure the client complied with both OOOOa and state permitting requirements.

Oil Tanks					
Run #	Facility Name	Total Losses ton/yr	# of Tanks #	Losses Per Tank ton/yr	Oil Loading Loss Max lb/hr
1	Scenario A	20,256	2	10,128	9.75
2	Scenario B	1,196	2	0.598	18.77
3	Scenario C	1,258	2	0.629	16.29
Water Tanks					
Run #	Facility Name	Total Losses ton/yr	# of Tanks #	Losses Per Tank ton/yr	Water Loading Loss Max lb/hr
1	Scenario A	0.042	1	0.042	0.21
2	Scenario B	13.489	1	13.489	0.14
3	Scenario C	2,215	1	2,215	0.29



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