
API/ANGA Information on Gas Well Completions

EPA Stakeholder Workshop
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Naming Convention Change in National Inventory

	2010 National Inventory		2009 National Inventory	
	Completions without Hydraulic Fracturing	Completions with Hydraulic Fracturing	Completion Flaring (completions)	Unconventional Completions
North East	273	-	266	-
Midcontinent	130	575	126	575
Rocky Mountain	127	-	143	-
Southwest	60	3,594	60	3,594
West Coast	2	-	3	-
Gulf Coast	110	-	109	-
TOTALS	702	4,169	707	4,169

API/ANGA Survey: Comparison of Wells with and without HF

	# Wells w/out hydraulic fracturing (anytime in their history)		# Wells with hydraulic fracturing (anytime in their history)	
	Count	%	Count	%
TOTAL Conventional	1,498	8.2%	16,678	91.8%
TOTAL Coal Bed Methane	42	1.2%	3,475	98.8%
TOTAL Shale	1,931	17.5%	9,084	82.5%
TOTAL Tight	122	0.4%	27,880	99.6%
TOTAL OVERALL	3,593	5.9%	57,117	94.1%

Comparisons of Gas Well Completions Counts

	Completions without Hydraulic Fracturing		Completions with Hydraulic Fracturing		Total Completions
	# Completions	% of Total	# Completions	% of Total	# Completions
2010 National Well Completions	702	14%	4,169	86%	4,871
API/ANGA Survey Well Completions	540	7%	6,821	93%	7,361
Well Completions from IHS	7,178	39%	11,274	61%	18,452

Differences highlight need for consistency in well completions accounting

Conclusions

- “Conventional” and “unconventional” are undefined terms, and stakeholder and regulator use of the terms has resulted in confusion. API suggests dropping this terminology.
- Based on the API/ANGA survey results, it appears that EPA has underestimated the number of gas well completions
 - EPA reported close to 4,900 completions for the 2010 national inventory
 - The API/ANGA survey obtained data for over 7,300 gas well completions
 - IHS database reports over 18,000 completions
- Subpart W reporting may eventually provide more accurate counts of completions and refracturing rates by sub-basin type
- The total emissions for this activity in the 2010 inventory would probably not change significantly due to the fact that although EPA has underestimated the number of completions, it has grossly overestimated the EF per completion