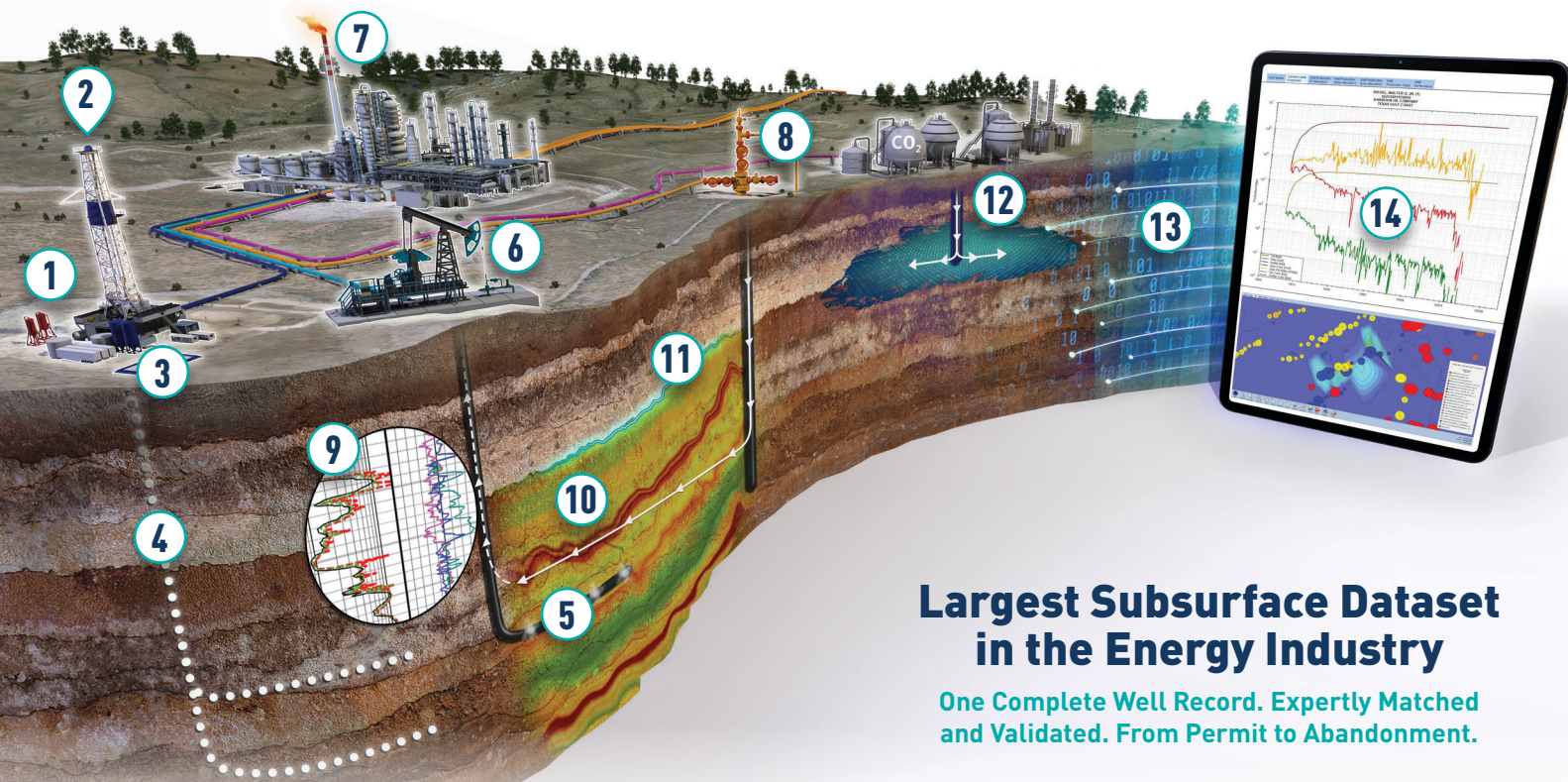# Subsurface Intelligence You Can Trust

TGS

Largest Subsurface Dataset in the Energy Industry

One Complete Well Record. Expertly Matched and Validated. From Permit to Abandonment.

⑭ WORKFLOWS

Well & Asset Analysis	Subsurface Characterization	Analytics and Visualization
Performance Benchmarking	Wellbore System Identification	

WELL DATA

①	Permit Life-Cycle Tracking:	daily updates
②	Corrected Surface Locations:	orthorectified & DEM-validated
③	Directional Surveys:	top-to-bottom survey composites
④	Drill Stem Tests (DSTs):	170,000+ nationwide
⑤	Completion Data:	treatment & casing
⑥	Production Data:	allocated, historic, & forecasted
⑦	ESG Data:	vent & flare
⑧	Injection Data:	EOR & disposal
	International Well Reports:	searchable & categorized

GEOLOGICAL DATA

	Source Logs:	digitized top-to-bottom LAS, depth-calibrated rasters
⑨	Predicted Logs:	ARLAS (GR, RES, DEN, NEUT, SON)
	Petrophysics Logs:	core-calibrated (where available)
⑩	Basin Models:	structural grids & attribute volumes
⑪	Interpreted + State Tops:	2,000,000+ picks, 500,000 wells, 17 basins
⑫	Carbon Capture & Storage (CCS):	depleted hydrocarbon reservoirs & saline aquifers

⑬ DATA DELIVERY

API End Points (Including OSDU)	Direct Connect (SQL)	Third-Party Export Formats	Partnerships for Data Loaders

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TGS Subsurface Data Comparison

Product	TGS	Provider 1	Provider 2
WELL DATA			
Permit Life-Cycle Tracking — *Comprehensive US coverage of drilling, completion, and recompletion permits – updated daily*	●	●	●
Corrected Surface Locations — *Wellhead locations derived from all potential location information validated by DEMs and verified by satellite imagery*	●	◗	◗
Directional Surveys — *Complete, researched spatial representation of wellbores from surface to total depth*	●	●	●
Completion Data — *Calculated key well completion attributes: treatment details and casing information*	◑	●	●
Drill Stem Tests (DSTs) — *Over 170,000 world-class, expertly-analyzed reports across 20 states*	●	◔	
Production Data — *Fully updated production datasets allocated to the well with regional proprietary historical datasets covering North America*	●	●	●
ESG Data — *State-reported vent and flare volumes allocated to the well level*	◑		◔
Injection Data — *Nationwide coverage of well injection volumes, target formations, and injection purpose (EOR, water disposal, or storage)*	●		●
International Well Reports — *Collated reports containing key aspects of the well and subsurface: geology, geophysics, petrophysics, drilling, completions, and production*	◑	●	◔
GEOLOGICAL DATA			
Source Logs — *Digitized top-to-bottom LAS and depth-calibrated rasters: >9 million rasters and 1.8 million LAS – 5 times more LAS coverage than other providers*	●	◑	◔
Predicted Logs — *Analytics-Ready LAS (ARLAS): turns single, double, and triple log suites into Quad Combos (GR, RES, DEN, NEUT) plus sonic, standardized and ready for analytics*	●		
Petrophysics Logs — *Core-calibrated or interpreted petrophysical logs; containing effective porosity, water saturation, clay volume, TOC, and other attributes*	◑		◔
Basin Models — *Structural grids, temperature models (BTM), and attribute volumes (predicted log responses, petrophysical properties)*	●	◕	◕
Interpreted + Reported Tops — *2,000,000+ picks in 500,000 wells over 17 basins nationwide*	◑	●	◑
Carbon Capture & Storage (CCS) — *CO_2 storage suitability and capacity assessment for depleted hydrocarbon reservoirs and saline aquifers*	●	◔	◗

Well Intel
https://www.tgs.com/well-intel

In this series of short white papers, we seek to answer the questions on the minds of energy explorers, using novel insight gained through analysis of our vast library of onshore well production and performance data.

Daily Industry Updates
https://www.tgs.com/industry-updates-registration

Our daily e-newsletter will keep you informed with operator activity and breaking industry news articles.

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