

Microseismic Monitoring Report

SAMPLE DOCUMENT - illustrative example of GHC Consulting deliverables

1. Program summary

This sample illustrates the structure of a GHC Consulting microseismic deliverable: acquisition notes, processing parameters, event catalog statistics, map and cross-section views, magnitude distribution, and interpretation with recommendations for subsequent stages.

2. Event catalog (illustrative)

Attribute	Value
Monitoring period	Frac stages 12-18 (example)
Located events	1,284 (example)
Magnitude range	Mw -2.1 to 0.4 (example)
Location uncertainty	+/- 35 ft median (example)
Deliverables	SEGY event gathers, catalog CSV, map figures

3. Interpretation notes (illustrative)

Event density tracks the planned stage intervals with upward growth limited by the bounding shale. A linear event trend toward the parent well during stage 15 suggests a frac hit; recommend reduced rate and diverters on the next stage. Microseismic-derived SRV correlates with the highest cluster-efficiency intervals seen on DAS.

4. Recommendations (illustrative)

1) Increase cluster spacing in the toe stages. 2) Add DAS on the observation well to confirm cross-well strain. 3) Re-run DTS warm-back analysis 72 hours after the final stage.

This is a sample document with illustrative values. Project deliverables are tailored to each monitoring program. Contact Don at 713-679-1892 or DonghongPei@gmail.com to discuss your program.

