### Integrated Well Log Vsp And Surface Seismic Analysis Of

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#### **Integrated Well Log Vsp And**

Integrated well-log, VSP, and surface seismic analysis of near-surface glacial sediments shale/sandstone bedding. The character of the full-waveform sonic first arrival times has similarities to the other logs (Fig.3). We also shot 2D and 3D surface seismic surveys. There is a clear reflection at the red fracture zone at 35m depth.

# Integrated well-log, VSP, and surface seismic analysis of ... Integrated well-log, VSP, and surface seismic analysis of near-surface glacial sediments: Red Lodge, Montana Jingqiu Huang1, Robert R. Stewart1, Joe Wong2, and Carlos Montana3 1University of Houston, Department of Earth & Atmospheric Sciences, Houston, TX 2University of Calgary, Department of Geoscience, Calgary, AB 3Geophysical Exploration and Development Co. (GEDCO), Calgary, AB

# Integrated well-log, VSP, and surface seismic analysis ...

The well logs included measurements of conductivity, radioactivity (gamma ray), temperature, and sonic velocity. Sonic and VSP velocities ranged from 1500m/s in the very near surface to 3000m/s at 85m depth. A distinct black clay layer (with high conductivity, high gamma ray, and low velocity) was penetrated at 85m.

Integrated well-log, VSP, and surface seismic analysis of ...
Integrated well-log, VSP, and surface seismic analysis of near-surface glacial sediments: Red Lodge, Montana J.Q. Huang, Department of Earth and Atmospheric Sciences, University of Houston.

# Integrated well-log, VSP, and surface seismic analysis of ...

The VSP is continuing to develop as a sophisticated seismic log (for in situ values including anisotropy). Converted-

wave analysis is considerably helped by 3-C VSP measurements. 3-D VSP imaging is providing some very useful images. Permanently emplacing downhole sensors may provide a whole new realm of reservoir monitoring.

#### VSP: An In-Depth Seismic Understanding | CSEG RECORDER

The QVSI imager made it possible to obtain a vertical seismic profile (VSP) for an entire well drilled offshore West Africa. A conventional tool was run in the 17½-in open hole but wasn't qualified to log farther into the HT section.

#### VSI Versatile Seismic Imager | Schlumberger

A computed log analysis on two-way time scale with VSP or synthetic seismogram traces allows accurate horizon picks and correlation of attributes to lithology or fluid content. A sonic log with integration tick marks along the right edge of the depth track The integration tick marks are very hard

#### Crain's Petrophysical Handbook | Integrating The Sonic Log

A class of borehole seismic measurements used for correlation with surface seismic data, for obtaining images of higher resolution than surface seismic images and for looking ahead of the drill bit; also called a VSP.Purely defined, VSP refers to measurements made in a vertical wellbore using geophones inside the wellbore and a source at the surface near the well.

#### VSP - Schlumberger Oilfield Glossary

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thousands of private practice doctors and over 700 Visionworks retail locations nationwide.

#### **VSP Vision Care | Vision Insurance**

The software handles VSP data from the loading and preprocessing stages to the final stage of corridor plotting and integration with well and seismic data. Several seismic and signal processing toolboxes are integrated and modified to suit and enrich the processing and display packages.

## Borehole seismic data processing and interpretation: New ...

Logging While Drilling (LWD) sonic, check shot and VSP tools are available to meet the real-time demands of directional drilling. LWD tools designed to record borehole seismic data are becoming increasingly more sophisticated as LWD logging replaces conventional wireline logging on many directional wells.

#### VSP Data in COmparison to toher Borehole Seismic Data, by ...

The integrated study of zero offset VSP data pertaining to Well-A in conjunction with surface seismic data and various well logs helped to identify potential shale gas zones showed good correlation in Cambay shale.

## Identification of Shale Gas by VSP & Well Log Data Rajeeva ...

To ensure accurate characterization of reservoir conditions and to maximize efficient and cost-effective decision-making, the integration of many sources of data, including well log data, fluid production data, and geologic models is required. Often, the sheer volume of data generated is a significant challenge to the process, as geoscientists and engineers work to combine and layer the various ...

#### Visualizing Well Log Data to Understand Reservoir ...

Vertical seismic profiles (VSP's) are the

only survey that can "see" below the current drilled depth, and can be used to predict the depth of overpressuerd zones, reducing the risk of blowouts. Integrated sonic logs are still needed to fix the precise location of formation tops on the VSP wiggle traces.

#### Crain's Petrophysical Handbook | Vertical Seismic Profile ...

The reservoir is below a chalk layer, which introduced velocity uncertainties and generated noise that interfered with the reservoir signals in surface seismic surveys. Acquiring VSP data unobscured by the chalk layer would enable correlating the VSP, well log, and surface seismic data to build a more accurate picture of the reservoir.

#### HPHT Borehole Seismic Survey Below Chalk | Schlumberger

Integrated well log information in velocity model building procedure. Interpreted salt geometries for 3D velocity model building for optimal sub-

salt imaging. Processed marine seismic data, including velocity model building and depth migration. Analyzed and solved data problems using various velocity model building techniques.

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