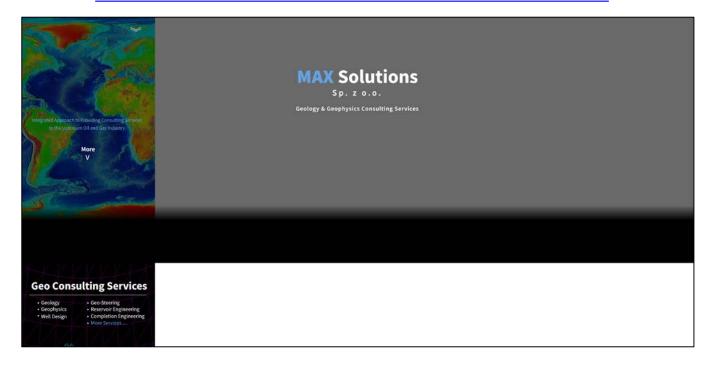
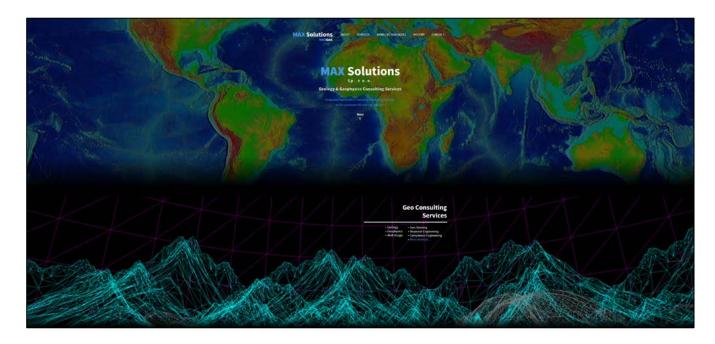
Kevin, This is a Screenshot of the Max Solutions website home page from my laptop using the **Chrome Browser** at 100% zoom. My screen resolution is 3840 X 2160 Can This be fixed to accommodate all browsers and various screen resolutions?



Kevin, This is a Screenshot of the Max Solutions website home page using the **Internet Explorer Browser** at 100% zoom. It looks normal at 200% Can this be fixed to accommodate all browsers and various screen resolutions?







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#### **About MAX Solutions**

MAX Solutions provides both interpretative and operational consulting services for exploration and production activities. The staff of professionals has vast experience in both conventional and unconventional oil and gas plays throughout the world. MAX Solutions also relies on alliances, established through experience with other providers, to be able to offer a comprehensive approach to reservoir identification and analysis, and exploitation. Skill categories include geology, geophysics, petrophysics, reservoir engineering, and completions engineering. Emphasis is on the application of key proven technologies to provide long term economic success. MAX Solutions has complete office facilities for offsite projects.

In addition, Max Solutions owns 104 levels of 3-component Borehole Seismic Geophone Modules and 4000 meters of Fiber Optic wireline cable for various wellbore application services, including 2-D and 3-D VSPs, Micro-Seismic Monitoring and Borehole Tomography. This equipment is located in Poland and is deployed in conjunction with partner, Geofizyka Torun S.A. Max Solutions represents unique acquisition solutions (wide aperture arrays) and processing solutions for unambiguous results, unlike traditional methods.

#### **PRINCIPALS**



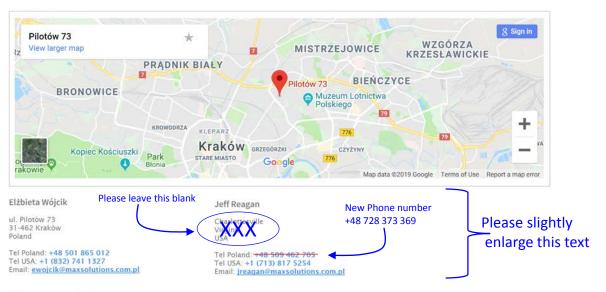
Elżbieta Wójcik President



Jeff Reagan VP, Operations



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## **Contact Form**

Enter Name	Enter Message	
Enter Email		
		Submit

<u>Homepage</u> Pulldown menu- from "Services"



## New Page Accessed from "Services/Borehole Seismic Services"



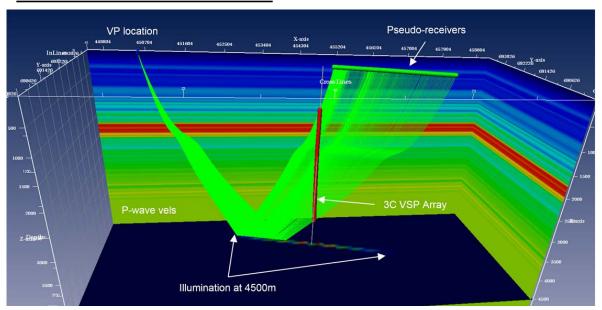
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## **Borehole Seismic Services**



Max Solutions Sp. z o.o., through partnerships, is an industry leader in providing Wellbore Seismic Services. Many experts have indicated that Borehole related seismic data applications are underutilized in the upstream oil and gas exploration industry. Unmatched quality and quantity of recording equipment, superior processing techniques and pre-survey modeling combine to make Max Solutions borehole services un-paralleled in Europe and beyond:

- Max Solutions owns 104 levels of 3-component geophone modules, magnetic or spring bar clamping,
- Max Solutions owns 4000+ meters of fiber optic, truck mounted cable for high capacity borehole deployment,
- Robust and redundant recording and testing hardware and software,
- Unique processing techniques that allow the use of surface seismic processing tools for well-bore imaging applications,
- Model driven micro-seismic processing that differs from standard earthquake location methods, where matched P-wave and S-wave events are required. Events are located with just P-wave or just S-wave, allowing the identification of many more seismic events than traditional methods.
- Easy Mobilization from Poland to anywhere in Europe and beyond.

#### There are many advantages for using borehole recorded seismic over surface recorded seismic:

- One-way travel time, improving transmission loss and significantly improving temporal resolution and signal to noise ratio.
- Steep-dip imaging is made possible and practical with vertical borehole arrays.
- Long vertical arrays, allow for full wave recording with excellent depth and XY resolution.

## New Page Continued...... Accessed from "Services"



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## Max Solution's Borehole Seismic Solutions include the following Applications:

☐ Zero Offset, 2D (Walkaway) and 3D VSPs,

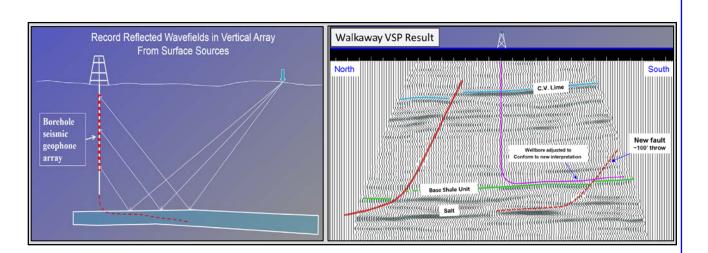
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- ☐ Micro-Seismic Monitoring of Fracture Stimulation,
- □ VSP (walkaway) during drilling to accurately update the target location. (Special Application of 2D VSP).

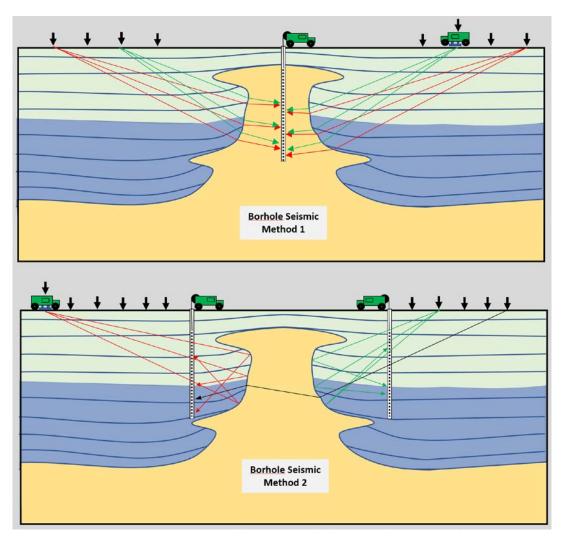
### Zero offset, 2D (walk away ) and 3D VSPs



Our long array dramatically reduces the field acquisition time and provides better continuity records with a single source, without splicing. The results are higher quality, by definition. Unique processing techniques allow borehole imaging records to be processed by all the surface seismic processing tools available in the time domain, including migration.



## **Salt Dome Exploration**



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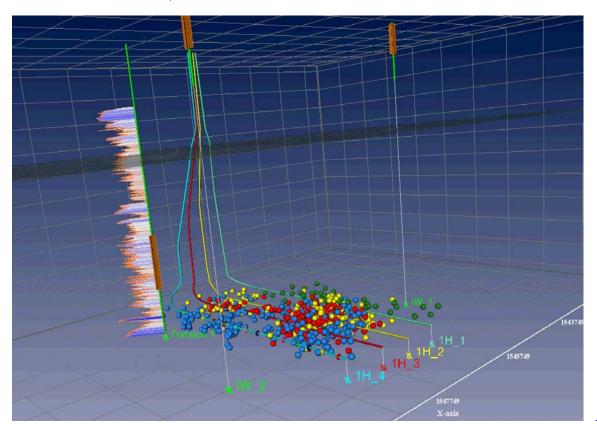
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Roll-up / roll-down

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### Micro-Seismic Monitoring of Fracture Stimulation.

Our long arrays placed in deep monitor wells, or shallow purposely- drilled monitor wells, allow for the recording and better identification of more events than standard services. Traditional methods only measure a small portion of the incident wavefield, resulting in mis-location of the loci of the event. Our processing techniques require only the identification of a P-wave or S-wave, but not both. Competitor methods require the identification of a match pare of both P-wave and S-wave to locate an event. Small magnitude events may generate only a very low amplitude S-wave, for example. As you can see, the GT partnership technique allow for the ability to detect and accurately locate significantly more microseismic events than the competitors methods.





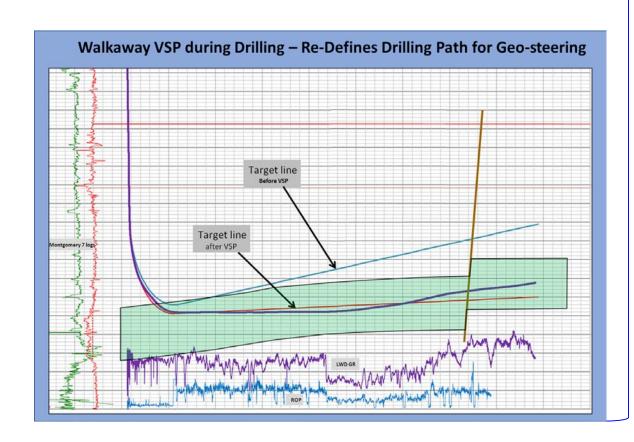
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## Roll-up / roll-down



## VSP (walkaway) during drilling to accurately update the target location.

When surface seismic is missing or of low quality, a very accurate structural and stratigraphic interpretation can be created by using the upper portion of a partially drilled well to place a geophone array for use in conducting a walkaway VSP. The results of this VSP can be then used to more accurately reinterpret the structure to allow the drilling plan to be redirected. This is particularly useful in drilling horizontal wells to accurately find the "landing zone" and to avoid structural faults unseen by surface seismic.



# Existing page, but accessed under "Services/Exploration and Production Consulting" And retitled below

## Accessed from "Services/Exploration and Production Consulting

MAX Solutions

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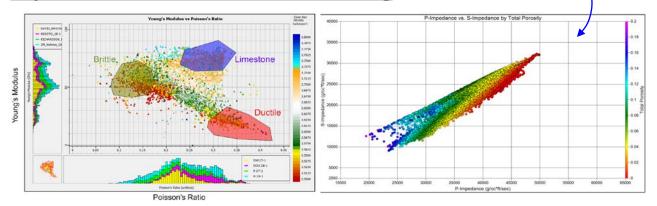
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## **Exploration and Production Consulting**



The company has extensive experience in Unconventional Exploration and Production. Services include:

- Reservoir and Source Rock Definition: Describe reservoir characteristics through integration of electric logs, surface
  and well bore seismic data, and core data. This would include reservoir structure, lithology, petrophysical properties,
  thermal maturity and rock mechanics.
- Well Planning: From derived reservoir properties, define logging, coring, wellbore seismic and directional drilling plans. Also define horizontal landing point and azimuth of lateral. Pick drilling location based on "sweet spot" analysis.
- **Drilling Operations:** Follow drilling progress to pick core points, QC logging runs, conduct wellbore imaging and geosteer lateral drilling.
- **Well Completion and Analysis:** Plan completion specs and procedures. Also, plan and conduct micro-seismic monitoring survey and provide for interpretation and analysis of fracture stimulation.

MAX Solutions possesses a comprehensive set of technical software, along with modern hardware, to support data analysis. Complete office facilities are located in Krakow, Poland, with supporting facilities in Virginia, U.S.A. MAX also offers on-site client services when needed.

