BASIN GEOPHYSICAL

2450 LAKESIDE PARKWAY SUITE 150-161 FLOWER MOUND, TX 75022

BASIN GEOPHYSICAL

GNSS-GPS, Glonass, Galileo High speed data download via TransferJet™ 24 bit Signma Delta Industrialized micro SD Internal high sensitivity geophone or optional external connector Unit/sensor status via BLETM (Bluetooth Low Energy) Highly visbible LED status 10 Ah Li-ion Battery <100mW power consumption

NUSEISTM NRU 1CTM NODE STYLE SEISMOGRAPH

NRU 1C (NUSEIS RECORDING UNIT)

SEISMOGRAPH • GPS • BATTERY • HIGH SENSITIVITY GEOPHONE INTERNAL CLOCK • REMOVABLE MEMORY • BLUETOOTH COMMUNICATION WIRELESS DATA TRANSFER • CONTINUOUS RECORDING • PROGRAMMABLE RECORDING AMBIENT SEISMIC PROCESSING • EXTERNAL LED LIGHTS



MANUAL AND AUTOMATIC **DEPLOYMENT**

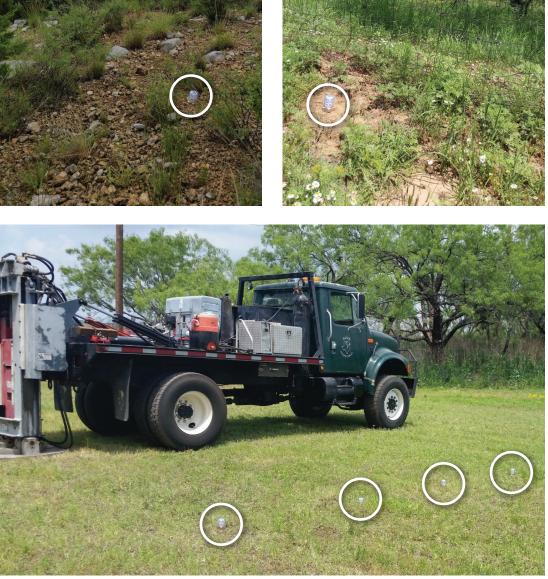






versatile POSITIONING









POWERED DRIVER



MANUAL DRIVER







Driver makes Tapered Pilot hole, matching NRU profile. After removal, an NRU is tamped into place



NO DOZING!

750+ TOTAL SRC-REC. PER SQ MILE

RECEIVERS 352' X 352' (OFFSET)

SOURCES 44' X ~1320' (ON EXISTING ROWS)

Here is the actual Layout of the Sources and the receivers. Most of the SPs were moved to usable roads, however.

BLACK DOTS = RECEIVERS = 884 (352' GROUP X 352' GROUP)

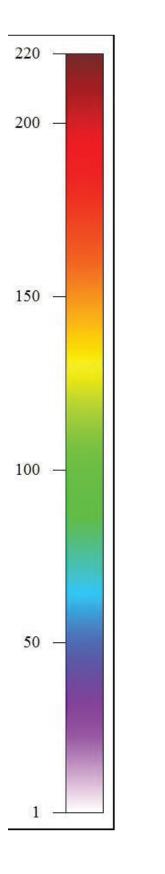
RED CROSS = SOURCE = 1976 (44' GROUP X1320' LINE)

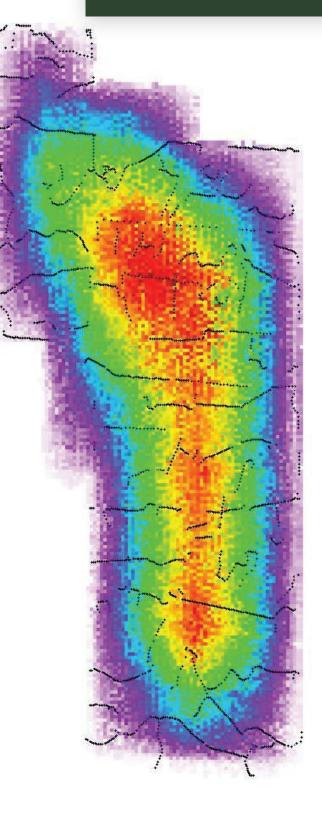


Staggered Receiver spacing, and Near random SPs, eliminate fold patterns induced by standard gridded designs.



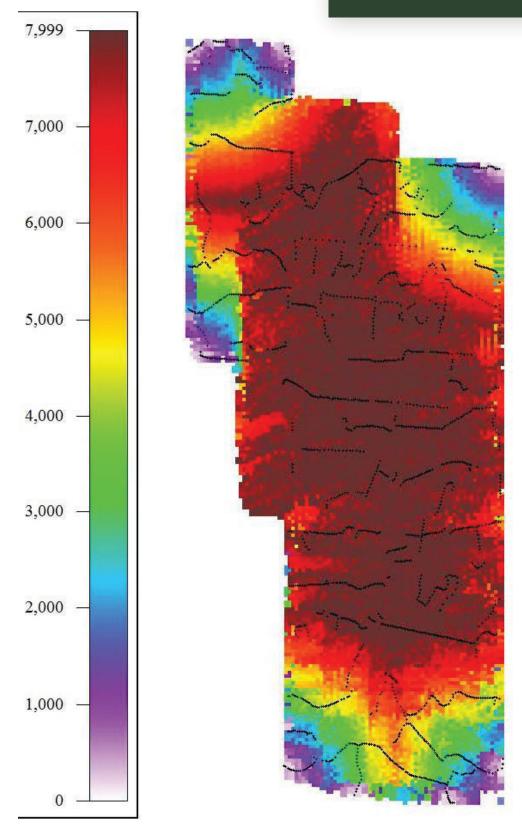
AS RECORDED LAYOUT 30 MAY, FOLD: 0-7500' OFFSETS, 88'x88' BINS





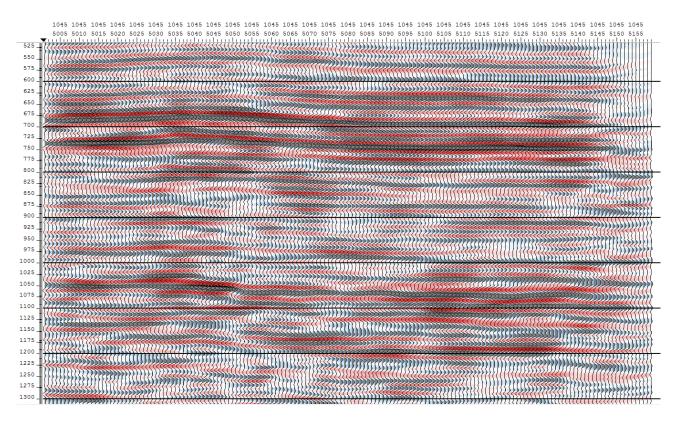


AS RECORDED LAYOUT 30 MAY, MAXIMUM OFFSETS IN FEET





DATA EXAMPLE



CONSULTING GEOPHYSICIST COMMENTS

"Attached is a north-south inline through the project that Hardin processed. They applied an interpolation method they call "5D" to the post stack migration. Very good quality data! Thanks for your efforts!"

"...the Nolan County data far exceeded by (sic) expectations in quality. Part of the reason was high fold but I think even more importantly the wide range of offsets and excellent geometric patterns yielded one of the best static solutions that I have seen anywhere and you know how difficult the terrain was. Static solutions are important for this prospect as well as we will probably interpret off of seismic datum. I think this approach will allow you to compete with the Dawson's at least in this part of the world plus we can access passive data."



ACCELERATED WEIGHT DROP ENERGY

