BOREHOLE GEOPHYSICS & HYDROPHYSICS
COLOG
A DIVISION OF LAYNE CHRISTENSEN COMPANY

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Full Waveform Sonic 3-Arm Caliper

COMPANY Excelsior Mining
WELL NSH-004B
FIELD Gunnison
COUNTY Cochise **STATE** Arizona

LOCATION
Benson/Wilson, AZ

Latitude:32.08325
Longitude: -110:04227

QTR **SEC** **TWP** **RGE**

OTHER SERVICES
ABI Acoustic Televiewer
Natural Gamma
Temperature
Fluid Conductivity
3-Arm Caliper

PERMANENT DATUM GROUND LEVEL **ELEVATION** NA

LOG MEAS. FROM GROUND LEVEL 0.0 ft **ABOVE PERMINANT DATUM**

DRILLING MEAS. FROM GROUND LEVEL

DATE ACQUIRED	11 Oct. 2012			
RUN NUMBER	1			
LOG TYPE	Sonic			
DEPTH-DRILLER	1,044'			
DEPTH-LOGGER	1,031'			
BTM LOG INTERVAL	1,031'			
TOP LOG INTERVAL	635'			
RECORDED BY	Rolland Yoakum			
WITNESSED BY	C. Barnes			
PROBE TYPE, S/N	QL-40			
LOGGING SPEED	7'/min			
A.S.D.E.	0.60'			
SAMPLE INTERVAL	0.2'			

BOREHOLE RECORD				**CASING RECORD**			
RUN No.	**BIT**	**FROM**	**TO**	**SIZE**	**WGT.**	**FROM**	**TO**
	6 1/2"	20'	1040'	7"		Surface	20'

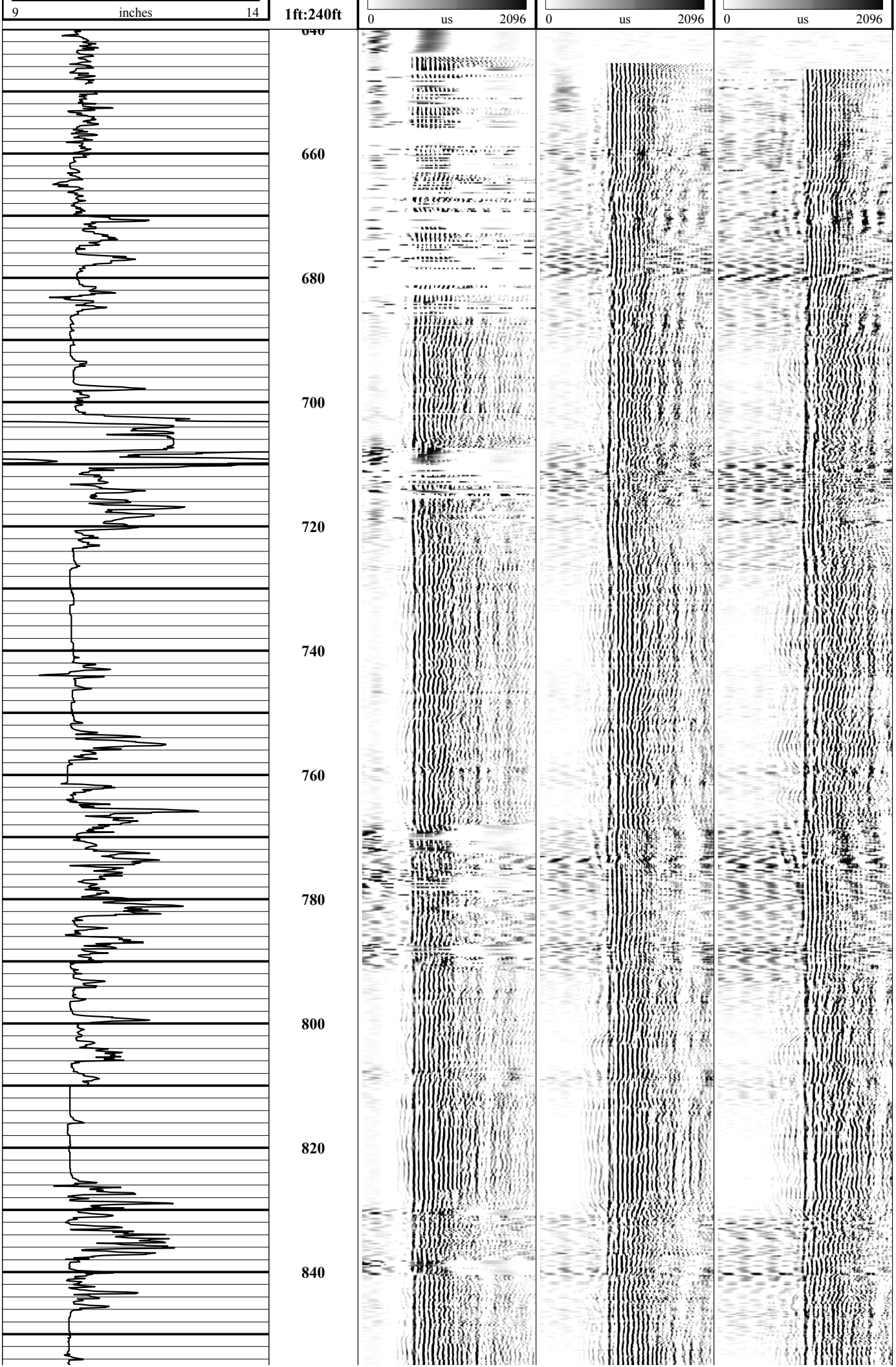
NA - Not Available, N/A - Not Applicable

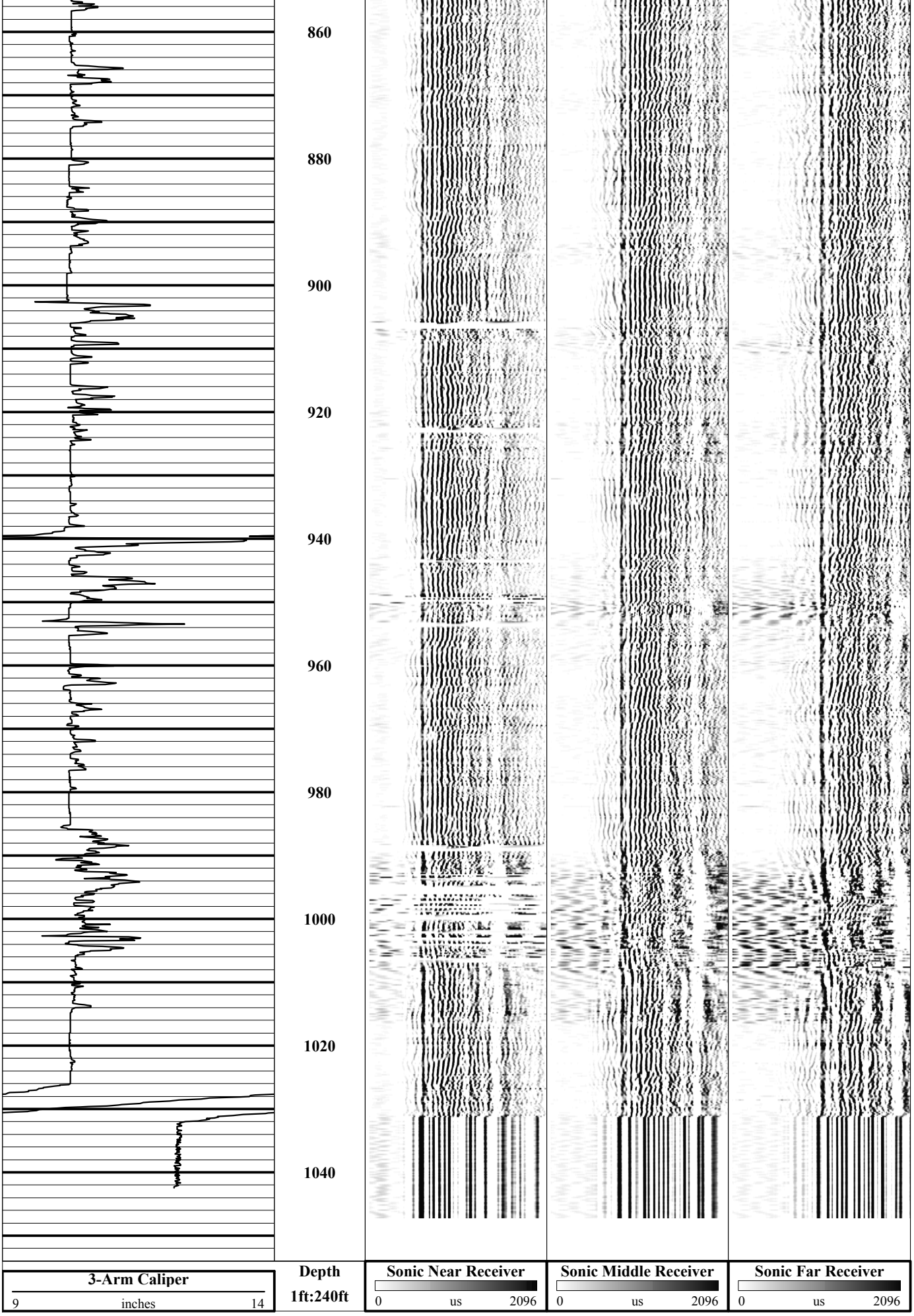
COMMENTS

Water Level = 640 feet below ground level.

Note: The sonic data has not been depth-shifted yet.

3-Arm Caliper	Depth	Sonic Near Receiver	Sonic Middle Receiver	Sonic Far Receiver


9
inches
14
1ft:240ft
0
us
2096
0
us
2096
0
us
2096
640
660
680
700
720
740
760
780
800
820
840


860
880
900
920
940
960
980
1000
1020
1040
3-Arm Caliper
9
inches
14
Depth
1ft:240ft
Sonic Near Receiver
0
us
2096
Sonic Middle Receiver
0
us
2096
Sonic Far Receiver
0
us
2096