



**COMPLETION  
& PRODUCTION  
SERVICES CO.**

correctness

**Company NOBLE ENERGY, INC.**

**Well PALASER E 14-23**

Field **WATTENBERG**County **WELD** State

Alt#: 00-120-22010

SW/SE

Permanent Datum	GROUND   EVEL	Elevation
CEC 14	1001.01	1002.00m

KEILY BUSHING, 16  
Measured From  
Measured From

	1-23-14	
	ONE	

[illegible]

	SURFACE	
	A 1/2"	

[illegible][illegible]

92-0436	
2 3/4"TEKCO	

[illegible]

Whole Record		Tubing	
From	To	Size	Weight


Size	Wd/Ft	Top

[illegible]


[illegible][illegible]

Comments	

**THANK YOU FOR**

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Charted by:	Depth in Feet scale
0 Gamma Ray (GAPI)	150
95 CCI	4.5

95	COE	-4.5
340	TT3 (usec)	240

A 10x10 grid. On the left side, there is a waveform consisting of a large peak followed by a smaller peak and then a small dip. On the right side, there is a dense, vertical signal that looks like a cluster of many small, overlapping peaks.

Harmonic	Sine wave (mV)	Square wave (mV)	Triangle wave (mV)
1st	100	100	100
2nd	0	0	0
3rd	0	33	33
4th	0	0	0
5th	0	17	17
6th	0	0	0
7th	0	0	10
8th	0	0	0
9th	0	0	5

[illegible]