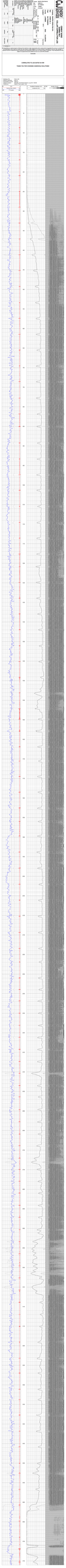

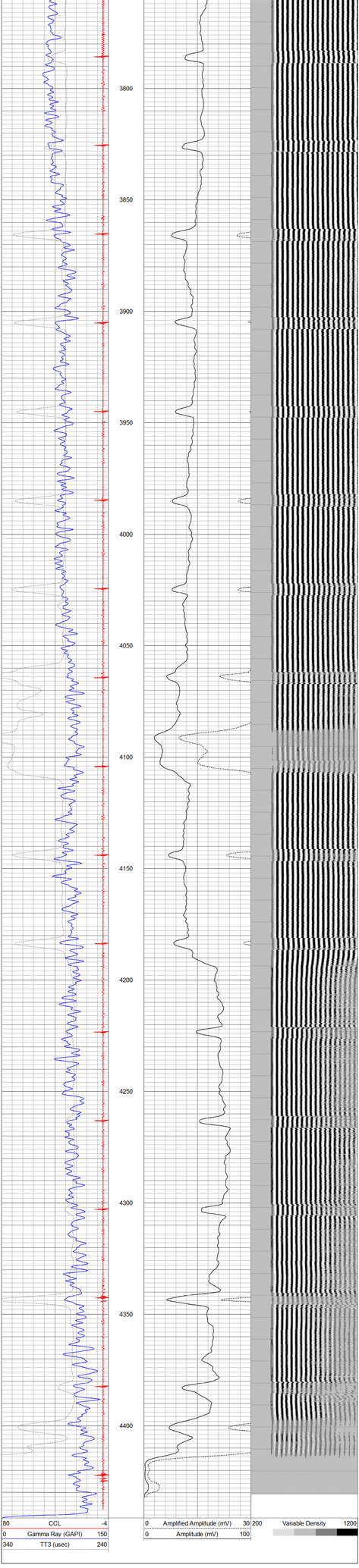

C&J ENERGY SERVICES

CEMENT BOND
GAMMA RAY
COLLAR CORRELATION LOG

Company MAGPIE OPERATING INC.
Well IHNEN NO. 3
Field WATTENBERG
County LARIMER
State COLORADO

Company	MAGPIE OPERATING INC.		
Well	IHNEN NO. 3		
Field	WATTENBERG		
County	LARIMER	State	COLORADO

Location: API # :

SEC 31 TWP 5N RGE 68W

Other Services

Permanent Datum	GROUND LEVEL	Elevation	5074
Log Measured From	KELLEY BUSHING		
Drilling Measured From	KELLEY BUSHING		

Elevation
K.B. 5085
D.F. 5084
G.L. 5074

Date	30 MAY 2018		
Run Number	ONE		
Depth Driller	4904		
Depth Logger	4442'		
Bottom Logged Interval	4440'		
Top Log Interval	SURFACE		
Casing Size	4 1/2		
Type Fluid	WATER		
Max. Recorded Temp.	NOT RECORDED		
Estimated Cement Top	---		
Time Well Ready	ROA		
Time Logger On Bottom	09:56		
Unit Number	92-0438		
Tool Size / ID Number	2.75 PROBE		
Location	FORT LUPTON		
Recorded By	ERB/ McKIE		
Witnessed By	SAM BRADLEY		

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String	4 1/2	10.5 #	SURFACE	TOTAL DEPTH
Liner				

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

CORRELATED TO LOG DATED 5-8-1981

THANK YOU FOR CHOOSING CASEDHOLE SOLUTIONS!

Database File: ihnen 3.db
Dataset Pathname: pass16
Presentation Format: noble en
Dataset Creation: Wed May 30 09:56:26 2018 by Log SCH 120430
Charted by: Depth in Feet scaled 1:240

Calibration Report

Database File:	ihnen 3.db
Dataset Pathname:	pass16
Dataset Creation:	Wed May 30 09:56:26 2018 by Log SCH 120430

Gamma Ray Calibration Report

Type / Serial: Probe275dig / 101010

SHOP CALIBRATION Wed Feb 27 07:52:48 2013

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	1.0				cps
		0.6500			GAPI/cps

PRIMARY VERIFICATION

Background	0.0		cps
Calibrator	0.0		cps
Difference		0.0	GAPI

BEFORE SURVEY VERIFICATION

Background	0.0		cps
Calibrator	0.0		cps
Difference		0.0	GAPI

AFTER SURVEY VERIFICATION

Background	0.0		cps
Calibrator	0.0		cps
Difference		0.0	GAPI

Cement Bond Log Calibration Report

Serial Number:	110802
Tool Model:	Probe275Digital
Performed:	Wed May 30 09:14:38 2018

Depth:	3440.52	ft
Casing Diameter:	4.5	in

	3' Spacing	5' Spacing	
Signal Zero:	0.9	0	mV
Calibrated Amplitude:	81.1961	81.1961	mV
Reading at Signal Zero:	0	0	V
Reading in Free Pipe:	0.997217	0.896582	V
Gain:	80.5202	90.5618	
Offset:	0.9	0	