RADIAL BOND TOOL
GAMMA RAY
CCL

AXIS ENERGY SERVICES

Company	CHEVRON
Well	SATER CC18-24
Field	WATTENBERG
County	WELD
State	COLORADO

Location: API # : 05-123-31129

SW/SE
40.308198, -104.480014
SEC 18 TWP 4N RGE 63W

Other Services

Permanent Datum	GL	Elevation	4661'
Log Measured From	KB 14'		
Drilling Measured From	KB		

Elevation
K.B. 4675'
D.F. 4674'
G.L. 4661'

Date	SEPTEMBER 26 2023		
Run Number	ONE		
Depth Driller	6905'		
Depth Logger	6118'		
Bottom Logged Interval	6118'		
Top Log Interval	5700'		
Open Hole Size	7.875"		
Type Fluid	WATER		
Density / Viscosity	NA		
Max. Recorded Temp.	NA		
Estimated Cement Top	N/A		
Time Well Ready	NA		
Time Logger on Bottom	NA		
Equipment Number	3814		
Location	GREELEY CO		
Recorded By	MICHAEL RAMSEY		
Witnessed By	CYADAM DREILING		

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8.625"	24#	SURFACE	649'
Prot. String	2.375"	4.7#	SURFACE	6518'
Production String	4.5"	11.6#	SURFACE	6895'
Liner				

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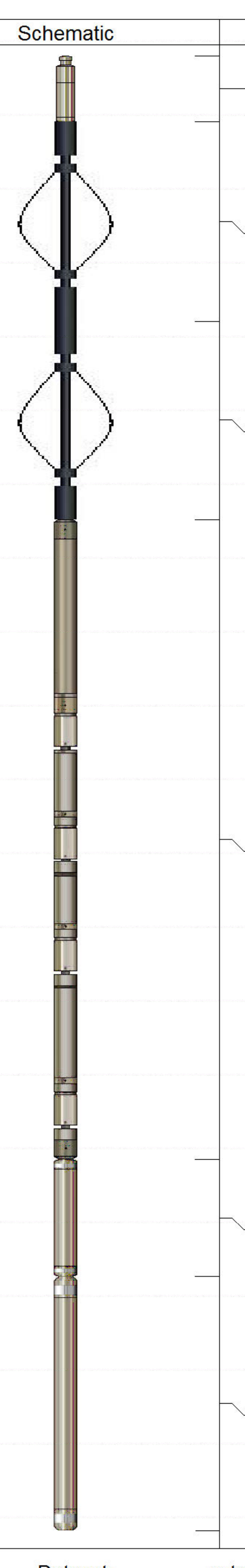
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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

RAN CBL TO VERIFY CEMENT BOND
WELL LOADED UPON ARRIVAL
LOG NOT CORRELATED

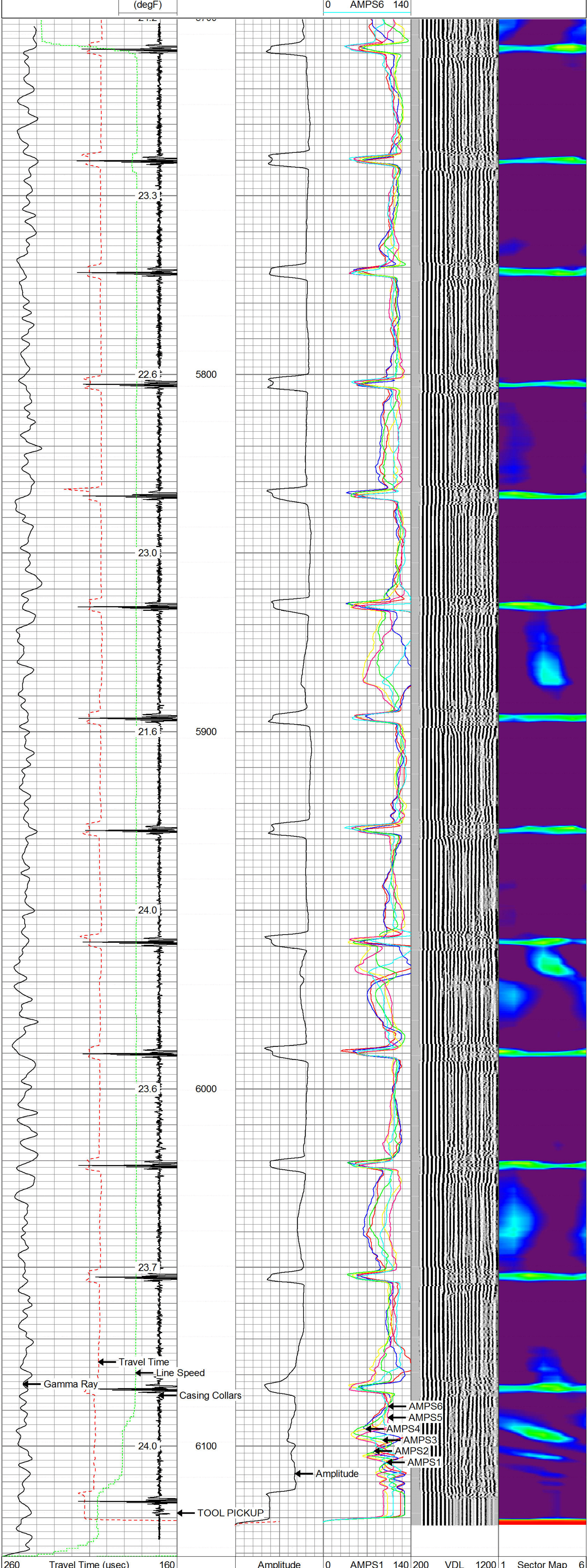


Sensor	Offset (ft)	Description	Len (ft)	OD (in)	Wt (lb)
		1_4	1.00	1.36	5.00
		1.69variable 1.69" Centrilizer Variable Length	3.00	1.69	15.00
		1.69variable 1.69" Centrilizer Variable Length	3.00	1.69	15.00
TEMP	12.09				
WVFCAL	10.64	SCBLTEKSLIM-T169Temp (16SBT20-0106) 1 11/16 Sector with Temp	9.67	1.69	53.00
WVFS1	10.64				
WVFS2	10.64				
WVFS3	10.64				
WVFS4	10.64				
WVFS5	10.64				
WVFS6	10.64				
WVF3FT	9.89				
WVF5FT	8.89				
WVFTEMP	5.59				
CCL	4.47	CCL-16CCL20 (16CCL20-XXXX) 1-11/16" Applied CCL	1.76	1.69	5.00
		GR-16GRL24 (16GRL24-XXXX) 1-11/16" Gamma Ray Scint	3.83	1.69	20.00
GR	1.00				

Dataset: sater cc18-24.db: field/well/run1/pass16
Total Length: 22.26 ft
Total Weight: 113.00 lb
O.D. 1.69 in

Database File: sater cc18-24.db
Dataset Pathname: pass16
Presentation Format: _scblt6
Dataset Creation: Thu Feb 09 16:36:33 2012 by Log SCH 120126
Charted by: Depth in Feet scaled 1:240

260 Travel Time (usec) 160	Amplitude	0 AMPS1 140	200 VDL 1200	1 Sector Map 6
9 Casing Collars -1	0 (mV) 140	0 AMPS2 140		100 0
0 Gamma Ray (GAPI) 150	X5 (mV) 0 20	0 AMPS3 140		
0 Line Speed (ft/min) 100		0 AMPS4 140		
TEMP (degF)		0 AMPS5 140		
		0 AMPS6 140		



260 Travel Time (usec) 160	Amplitude	0 AMPS1 140	200 VDL 1200	1 Sector Map 6
9 Casing Collars -1	0 (mV) 140	0 AMPS2 140		100 0
0 Gamma Ray (GAPI) 150	X5 (mV) 0 20	0 AMPS3 140		
0 Line Speed (ft/min) 100		0 AMPS4 140		
TEMP (degF)		0 AMPS5 140		
		0 AMPS6 140		

Calibration Report

Database File: sater cc18-24.db
Dataset Pathname: pass16
Dataset Creation: Thu Feb 09 16:36:33 2012 by Log SCH 120126

Gamma Ray Calibration Report

Serial Number: 16GRL24-XXXX
Tool Model: 16GRL24
Performed: Sun Jun 13 13:33:21 1993

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 1.0000 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: 16SBT20-0106
Tool Model: T169Temp

Calibration Casing Diameter: 2.375 in
Calibration Depth: 5886.558 ft

Master Calibration, performed Thu Feb 09 16:33:28 2012:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.000	1.923	0.000	119.483	62.113	0.018
CAL	-0.000	0.622				
5'	-0.000	1.517	0.000	119.483	78.770	0.027
SUM						
S1	-0.001	1.004	0.000	119.483	118.939	0.061
S2	-0.000	1.031	0.000	119.483	115.875	0.047
S3	-0.000	1.091	0.000	119.483	109.526	0.039
S4	-0.000	1.347	0.000	119.483	88.667	0.039
S5	-0.000	1.177	0.000	119.483	101.458	0.025
S6	-0.000	1.033	0.000	119.483	115.580	0.041
S7						
S8						

Internal Reference Calibration, performed Wed Dec 31 17:00:00 1969:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	-0.000	0.622	1.000	0.000

Air Zero Calibration, performed Thu Feb 09 15:23:16 2012:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7			
S8			

Temperature Calibration Report

Serial Number: 16SBT20-0106
Tool Model: T169Temp
Performed: Sun Jun 13 13:33:21 1993

	Reference		Reading	
Low Reference:	0.00	degF	0.00	usec
High Reference:	1.00	degF	1.00	usec

Gain: 1.00
Offset: 0.00
Delta Spacing 2

AXIS ENERGY SERVICES

Company	CHEVRON
Well	SATER CC18-24
Field	WATTENBERG
County	WELD
State	COLORADO