PATRIOT
WELL SOLUTIONS

RADIAL CEMENT BOND LOG
GAMMA RAY / CCL
TEMP

Company HIGH POINT OPERATING CORP.
Well ANSCHUTZ QUUS FARMS 4-62-28-6457CB
Field WATTENBURG
County WELD
State CO
Country USA

Company HIGH POINT OPERATING CORP.
Well ANSCHUTZ QUUS FARMS 4-62-28-6457CB
Field WATTENBURG
County WELD
State CO
Country USA

Location: API # : 05-123-43721
SWSW
SEC 28 TWP 4N RGE 62W

Other Services
NONE

Permanent Datum GL Elevation 4635'
Log Measured From GL
Drilling Measured From KB

Elevation
K.B. 4655'
D.F. 4654'
G.L. 4635'

Date	13 APRIL 2018
Run Number	ONE
Depth Driller	N/A
Depth Logger	5928'
Bottom Logged Interval	5928'
Top Log Interval	0'
Open Hole Size	8.75"
Type Fluid	H2O
Density / Viscosity	N/A
Max. Recorded Temp.	200 F
Estimated Cement Top	180'
Time Well Ready	OA
Time Logger on Bottom	0910
Equipment Number	1013
Location	BRIGHTON, CO.
Recorded By	S. STUMP
Witnessed By	B. KELSCH

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	7"	23#	0'	6653'
Liner				

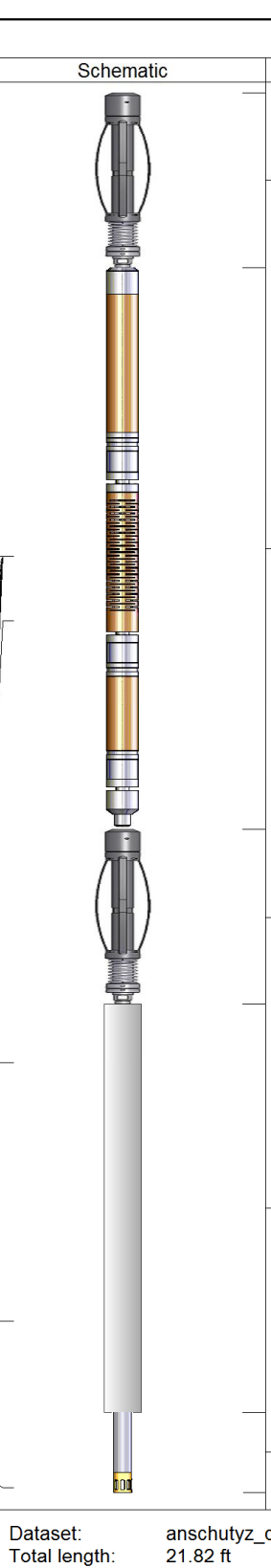
<<< Fold Here >>>

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

THANK YOU FOR USING PATRIOT WELL SOLUTIONS

0 PSI ON WELL WHILE LOGGING

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb
			Centralizers-8071-275-200 Tekco 2 3/4" Adjustable Centralizer	2.73	2.75	25.00
WVFS8 WVFS7 WVFS6 WVFS5 WVFS4 WVFS3 WVFS2 WVFS1 WVFCAL WVF3FT WVF5FT	14.59 14.59 14.59 14.59 14.59 14.59 14.59 14.59 14.59 14.59 13.59		RBT-Probe LT Radii (110412) RADII LT	8.75	2.75	106.50
			Centralizers-8071-275-200 Tekco 2 3/4" Adjustable Centralizer	2.73	2.75	25.00
CCL	6.69					
GR	2.67		GR-Probe275dig (080828) Probe 2.75 High Temperature	6.36	2.75	57.00
TEMP	0.08		TEMP-1.375TEMP (111140) Temperature Tool	1.25	1.38	30.00

Dataset: anschutyz_quuz_farms_6457cb_rbl.db: field/well/run1/MAIN
Total length: 21.82 ft
Total weight: 243.50 lb
O.D.: 2.75 in

Log Variables

DatabaseC:\ProgramData\Warrior\Data\anschutyz_quuz_farms_6457cb_rbl.db
Dataset field/well/run1/MAIN/_vars_

Top - Bottom

BHTEMP_Src	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	CASEWGHT lb/ft	MAXAMPL mV	MINAMPL mV
TEMP	8.75	189	7	0.408	23	0	1

MINATTN db/ft	PERFS	PPT usec	SRFTEMP degF	TDEPTH ft
0.8	0	0	0	0

Variable Description

BHTEMP_Src : BHTEMP Input Source Selector
BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASEOD : Casing O.D.
CASETHCK : Casing Thickness
CASEWGHT : Casing Weight
MAXAMPL : Maximum Amplitude
MINAMPL : Minimum Amplitude
MINATTN : Minimum Attenuation
PERFS : Perforation Flag
PPT : Predicted Pipe Time
SRFTEMP : Surface Temperature
TDEPTH : Total Depth

PATRIOT
WELL SOLUTIONS

MAIN PASS

0 PSI ON WELL WHILE LOGGING

Database File	anschutyz_quuz_farms_6457cb_rbl.db
Dataset Pathname	MAIN
Presentation Format	1patriotradii
Dataset Creation	Fri Apr 13 10:35:11 2018
Charted by	Depth in Feet scaled 1:240

380 TT (usec) 280
-9 DCCL 1
0 GR (GAPI) 150
0 MINMK 10
TEMP (degF)
LTEN
0 (lb 1000
0 AMP (mV) 100
0 3FT X 5 (mV) 20
0 AMPAVG 100
0 AMPMAX 100
0 AMPMIN 100
200 VDL (usec) 1200
1 RADIAL MAP 8

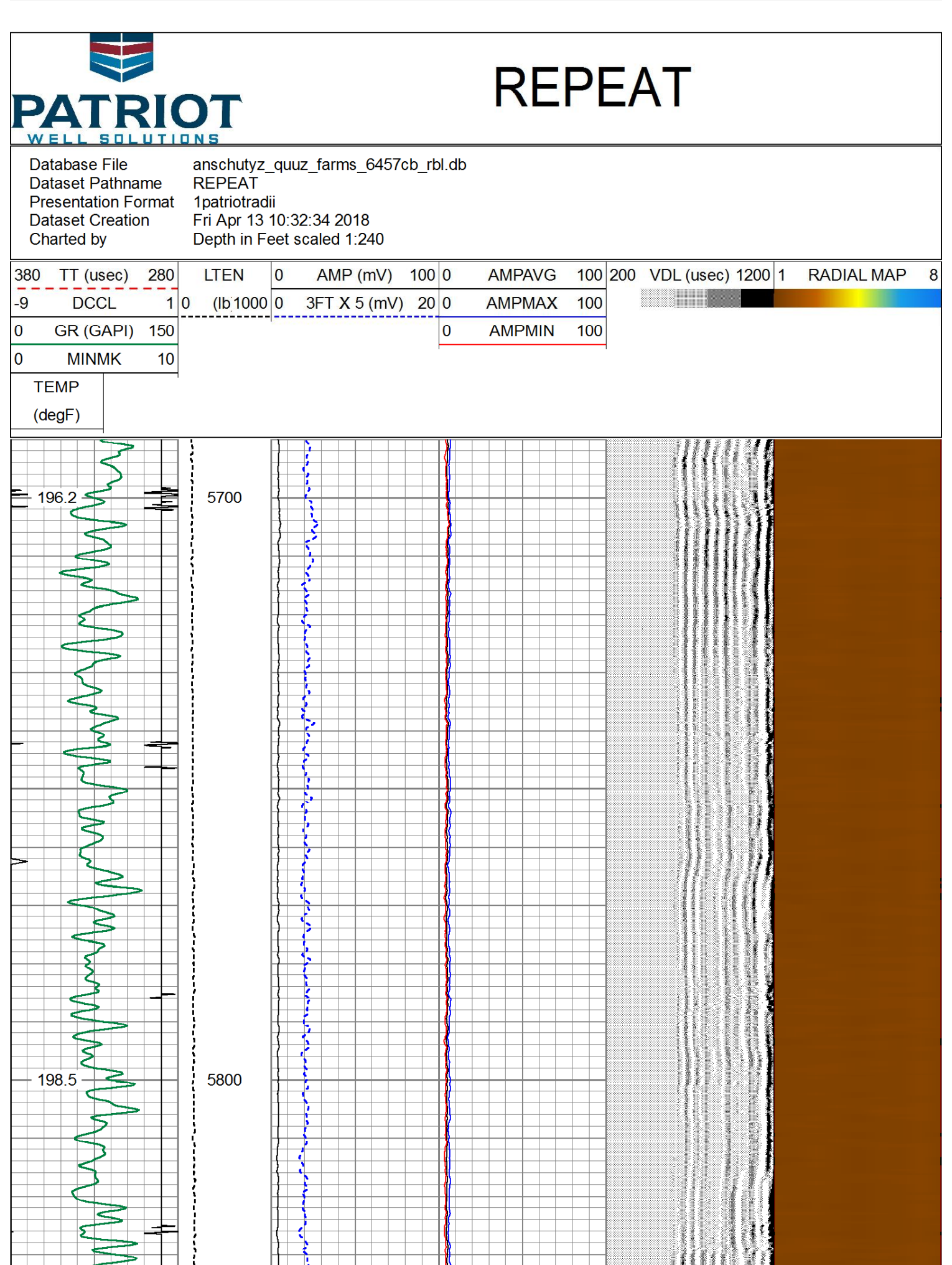
380 TT (usec) 280	LTEN	0 AMP (mV) 100	0 AMPAVG 100	200 VDL (usec) 1200	1 RADIAL MAP 8
-9 DCCL 1	0 (lb 1000	0 3FT X 5 (mV) 20	0 AMPMAX 100		
0 GR (GAPI) 150			0 AMPMIN 100		
0 MINMK 10					
TEMP (degF)					

PATRIOT
WELL SOLUTIONS

REPEAT

Database File anschutyz_quuz_farms_6457cb_rbl.db
Dataset Pathname REPEAT
Presentation Format 1patriotradii
Dataset Creation Fri Apr 13 10:32:34 2018
Charted by Depth in Feet scaled 1:240

380 TT (usec) 280	LTEN	0 AMP (mV) 100	0 AMPAVG 100	200 VDL (usec) 1200	1 RADIAL MAP 8
-9 DCCL 1	0 (lb 1000	0 3FT X 5 (mV) 20	0 AMPMAX 100		
0 GR (GAPI) 150			0 AMPMIN 100		
0 MINMK 10					
TEMP (degF)					



380 TT (usec) 280	LTEN	0 AMP (mV) 100	0 AMPAVG 100	200 VDL (usec) 1200	1 RADIAL MAP 8
-9 DCCL 1	0 (lb 1000	0 3FT X 5 (mV) 20	0 AMPMAX 100		
0 GR (GAPI) 150			0 AMPMIN 100		
0 MINMK 10					
TEMP (degF)					

Calibration Report

Database File anschutyz_quuz_farms_6457cb_rbl.db
Dataset Pathname MAIN
Dataset Creation Fri Apr 13 10:35:11 2018

Temperature Calibration Report

Serial Number: 111140
Tool Model: 1.375TEMP
Performed: Wed Apr 11 15:18:19 2018

	Reference		Reading	
Low Reference:	0.00	degF	0.00	cps
High Reference:	1.00	degF	10.00	cps

Gain: 0.09
Offset: 11.00
Delta Spacing 2

Gamma Ray Calibration Report

Serial Number: 080828
Tool Model: Probe275dig
Performed: Wed Apr 11 15:23:08 2018

Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.2000	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: 110412
Tool Model: Probe LT Radii

Calibration Casing Diameter:	7.000	in
Calibration Depth:	314.461	ft

Master Calibration, performed (Derived):

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.000	0.820	3.000	63.000	73.130	3.015
CAL	0.009	1.760				
5'	-0.003	0.784	3.000	63.000	76.290	3.196
SUM						
S1	0.250	1.204	3.000	81.000	81.713	-17.394
S2	-0.009	0.876	3.000	81.000	88.101	3.813
S3	0.000	0.922	3.000	81.000	84.627	2.996
S4	-0.003	0.886	3.000	81.000	87.745	3.236
S5	-0.003	0.960	3.000	81.000	80.991	3.273
S6	-0.020	0.942	3.000	81.000	81.094	4.630
S7	-0.022	1.053	3.000	81.000	72.510	4.620
S8	0.003	1.051	3.000	81.000	74.397	2.798

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.009	1.760	1.000	0.000

Air Zero Calibration, performed Fri Apr 13 07:26:22 2018:

	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	0.000	0.000	0.000
S8	0.000	0.000	0.000

PATRIOT
WELL SOLUTIONS

Company	HIGH POINT OPERATING CORP.		
Well	ANSCHUTZ QUUS FARMS 4-62-28-6457CB		
Field	WATTENBURG		
County	WELD		
State	CO	Country	USA