



INDEPTH INJECTION PROFILE

Company		OWL	
Well		Maralo Sholes B #2	
Field		Yates & Seven Rivers	
County		Lea	
State		NewMexico	
Company		OWL	
Well		Maralo Sholes B #2	
Field		Yates & Seven Rivers	
County		Lea	
State		New Mexico	
Location:		API # : 30-025-09806	
SEC		TWP 25S RGE 36E	
Permanent Datum		Ground Level	
Log Measured From		Kelly Bushing	
Drilling Measured From		Kelly Bushing	
Elevation		3021'	
K.B. ?		D.F. ?	
G.L. 3021'			
Date		12/2/2016	
Run Number		run #1	
Depth Driller		3055	
Depth Logger		3070	
Bottom Logged Interval		3070	
Top Log Interval		2700	
Open Hole Size		6.25"	
Type Fluid		water	
Density / Viscosity		n/a	
Max. Recorded Temp.		89 F	
Estimated Cement Top		n/a	
Time Well Ready		upon Arrival	
Time Logger on Bottom		11:20	
Equipment Number		Renegade #95	
Location		Levelland, Tx.	
Recorded By		Jim Smith	
Witnessed By			
Borehole Record		Tubing Record	
Run Number		Bit	
From		To	
Size		Weight	
n/a		n/a	
From		To	
n/a		n/a	
Casing Record		Size	
Surface String		10.34"	
Prot. String		8.56"	
Production String		7"	
Liner			
Weight		Top	
410		Bottom	
1223		2935	

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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

GAMMA RAY, CCL, X - Y CALIPER,PRESSURE, TEMPERATURE, 7" FULLBORE SPINNER

DATA ACQUIRED BY " INDEPTH PRODUCTION SOLUTIONS "

LOG TIED IN WITH CSG SHOE @ 2935'

INJECTION RATE WAS 5 BPM DURING INJECTION PASSES

INTERVAL SUMMARY TABLE

ZONES (FT)				WATER		
				STB/D		
INT.	Top	Bot		QWZT	QWZI	%QWI
1	2900	3005		-6874	0	0%
2	3005	3010		-6874	-3307	48%
3	3010	3025		-3566	-453	7%
4	3025	3040		-3113	-995	14%
5	3040	3050		-2118	-263	4%
6	3050	3055		-1856	-1343	20%
7	3055	3060		-513	-161	2%
8	3060	3062		-352	-352	5%
9	3062	3065		0	0	0%
TOTALS					-6874	100%

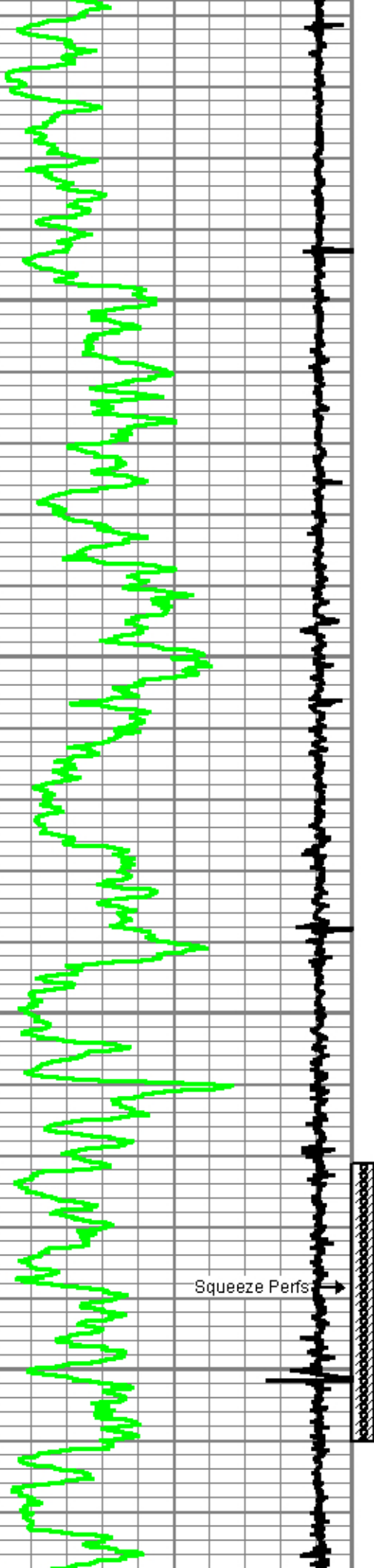


Merged Spinner Passes

Database File: marales sholes b002.db
 Dataset Pathname: merge1
 Presentation Format: sparall2
 Dataset Creation: Fri Dec 02 21:50:29 2016
 Charted by: Depth in Feet scaled 1:240

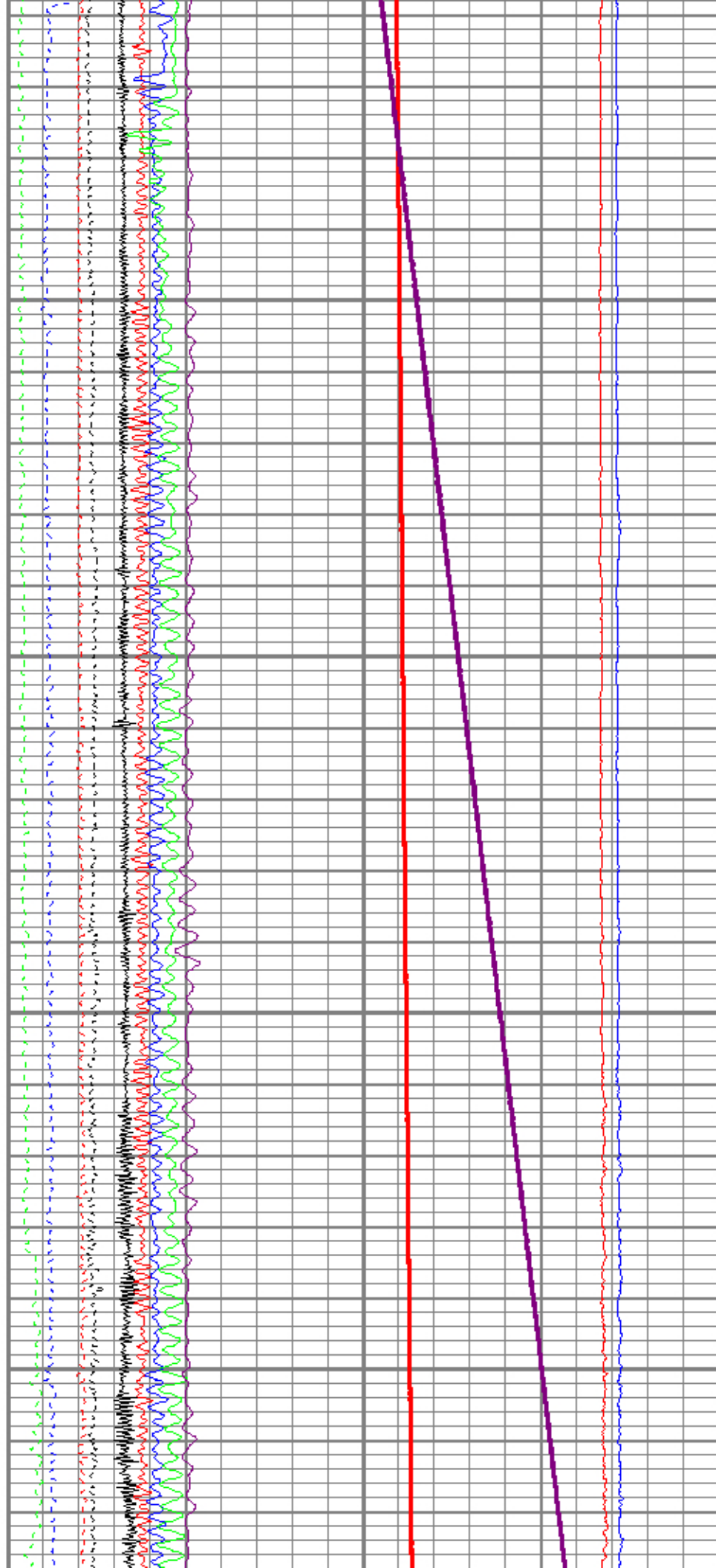
-10	CCL (mV)	1	-16	Spinner Dn 30 FPM (rps)	16	62	Temp Injecting (degF)	75
0	Gamma Ray (GAPI)	50	-16	Spinner Dn 60 FPM (rps)	16	1150	Pressure (psi)	1350
			-16	Spinner Dn 90 FPM (rps)	16	0	Caliper X Arm (in)	10
			-16	Spinner Dn 120 FPM (rps)	16	0	Caliper Y Arm (in)	10
			-16	Spinner Dn 150 FPM (rps)	16			
			-16	Spinner Up 30 FPM (rps)	16			
			-16	Spinner Up 60 FPM (rps)	16			
			-16	Spinner Up 90 FPM (rps)	16			
			-16	Spinner Up 120 FPM (rps)	16			

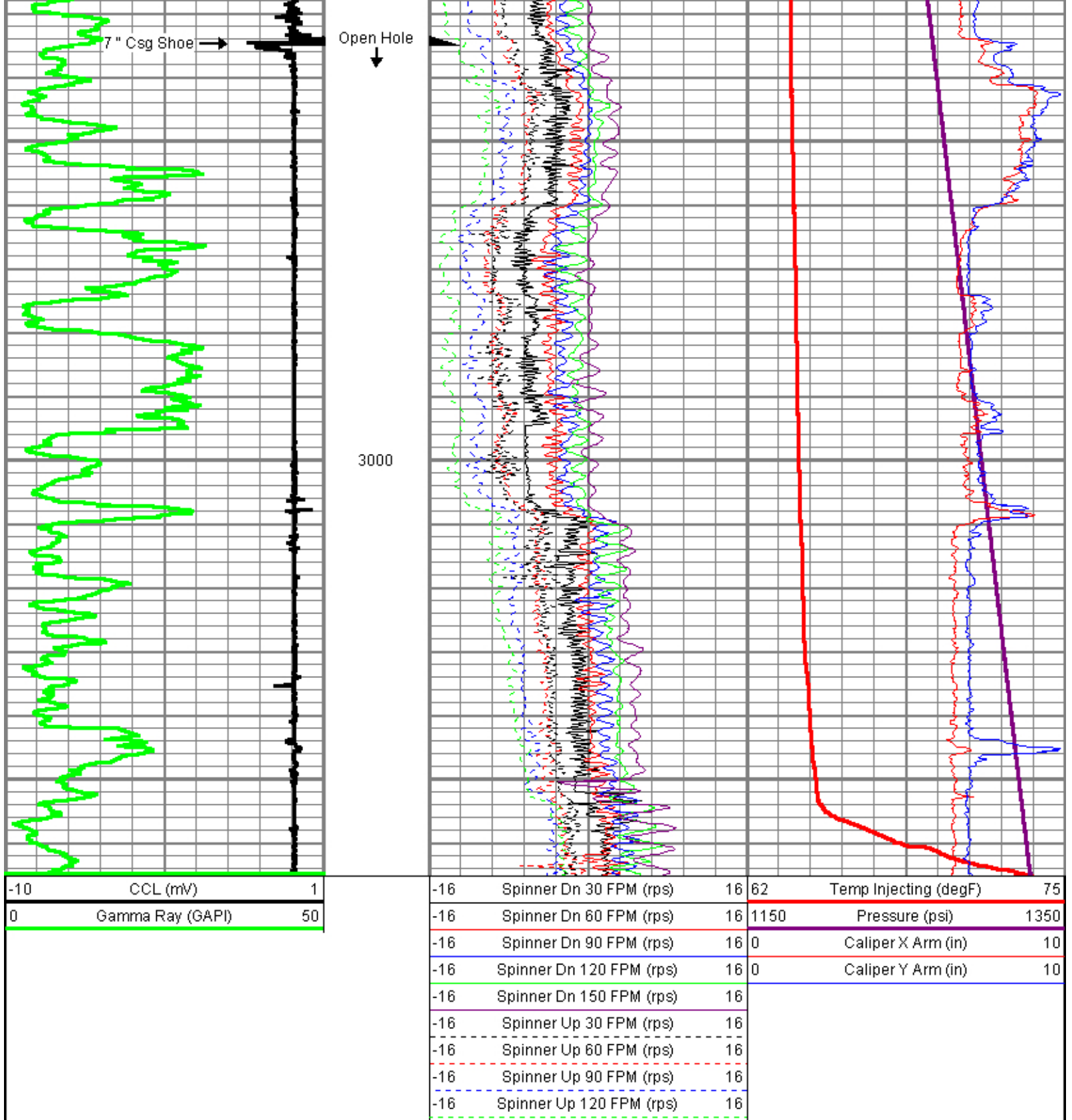




2800

2900



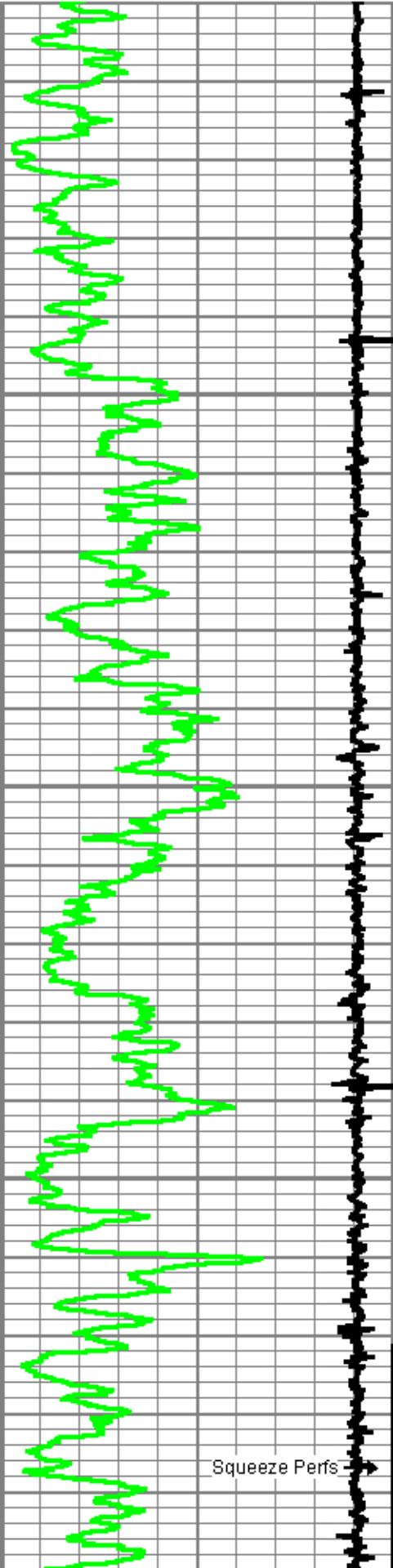


Flowing Vs. Shut-in Temperatures

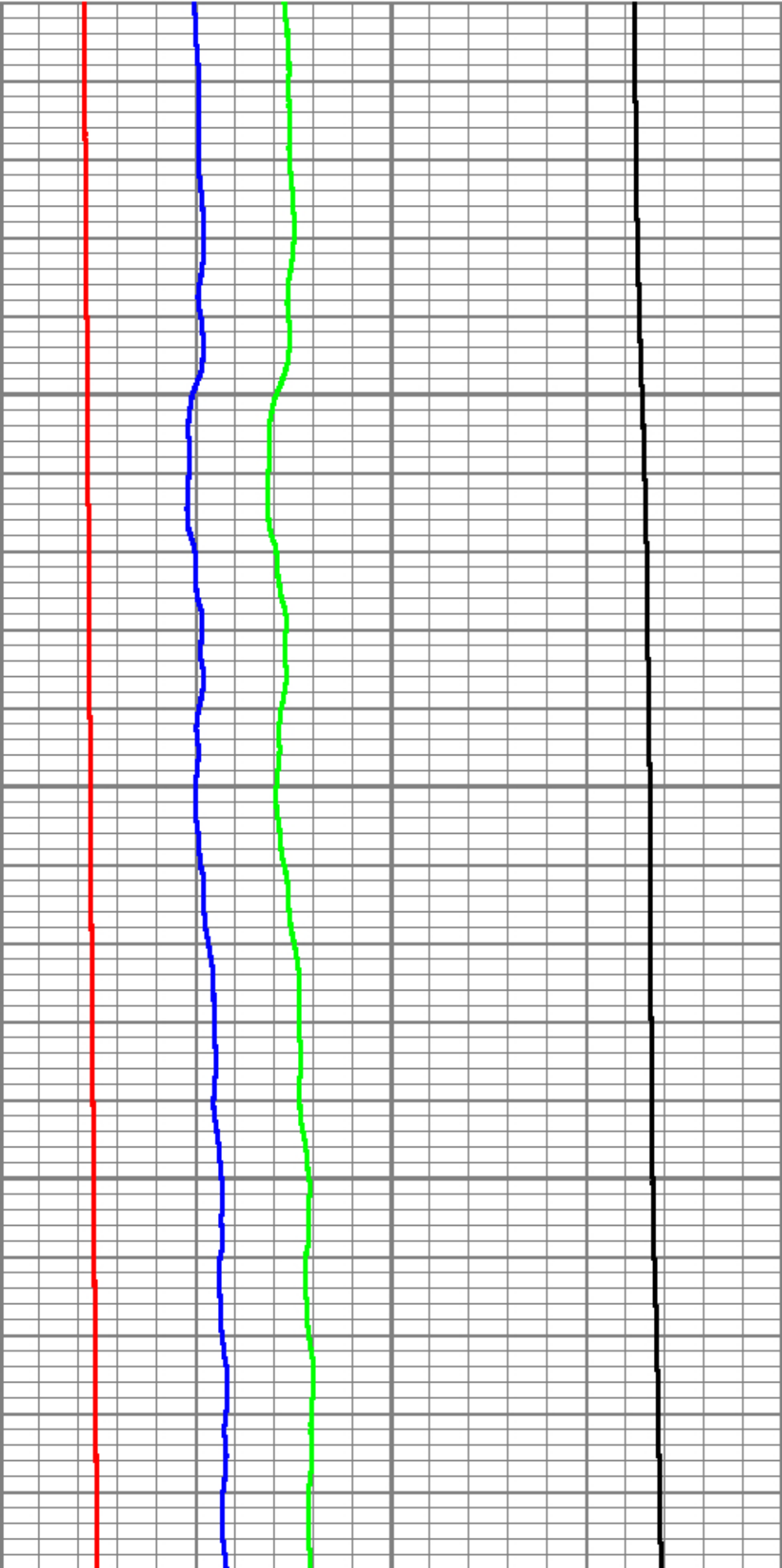
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 Dataset Pathname: merge2
 Presentation Format: pl_fvst
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 Charted by: Depth in Feet scaled 1:240

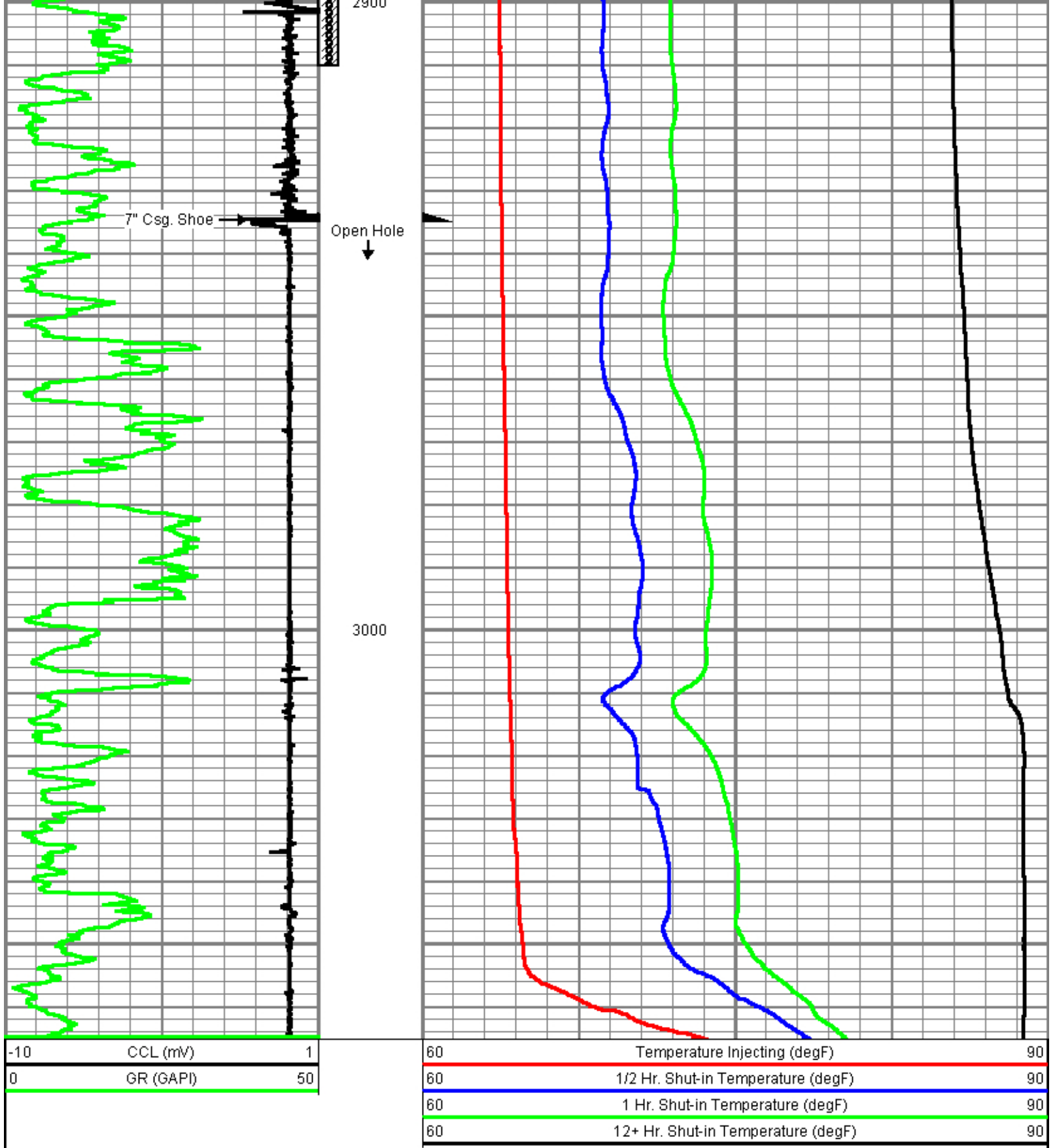
-10	CCL (mV)	1
0	GR (GAPI)	50

60	Temperature Injecting (degF)	90
60	1/2 Hr. Shut-in Temperature (degF)	90
60	1 Hr. Shut-in Temperature (degF)	90
60	12+ Hr. Shut-in Temperature (degF)	90



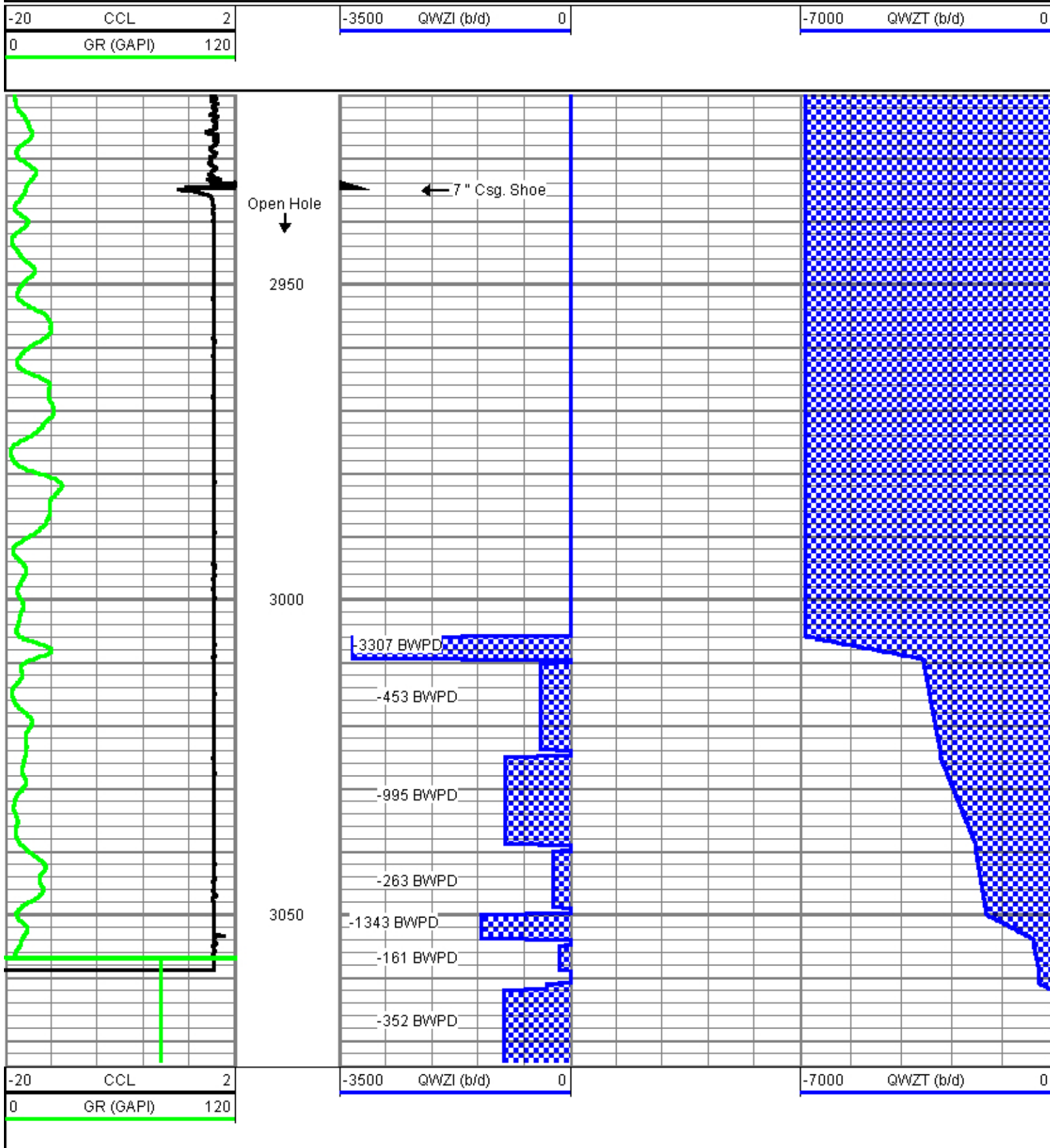
2700
2800
2900





Q Interval & Q Total

Database File: marales sholes b002.db
Dataset Pathname: f1
Presentation Format: pl_qint



Company OWL
 Well Maralo Sholes B #2
 Field Yates & Seven Rivers
 County Lea

