

HALLIBURTON

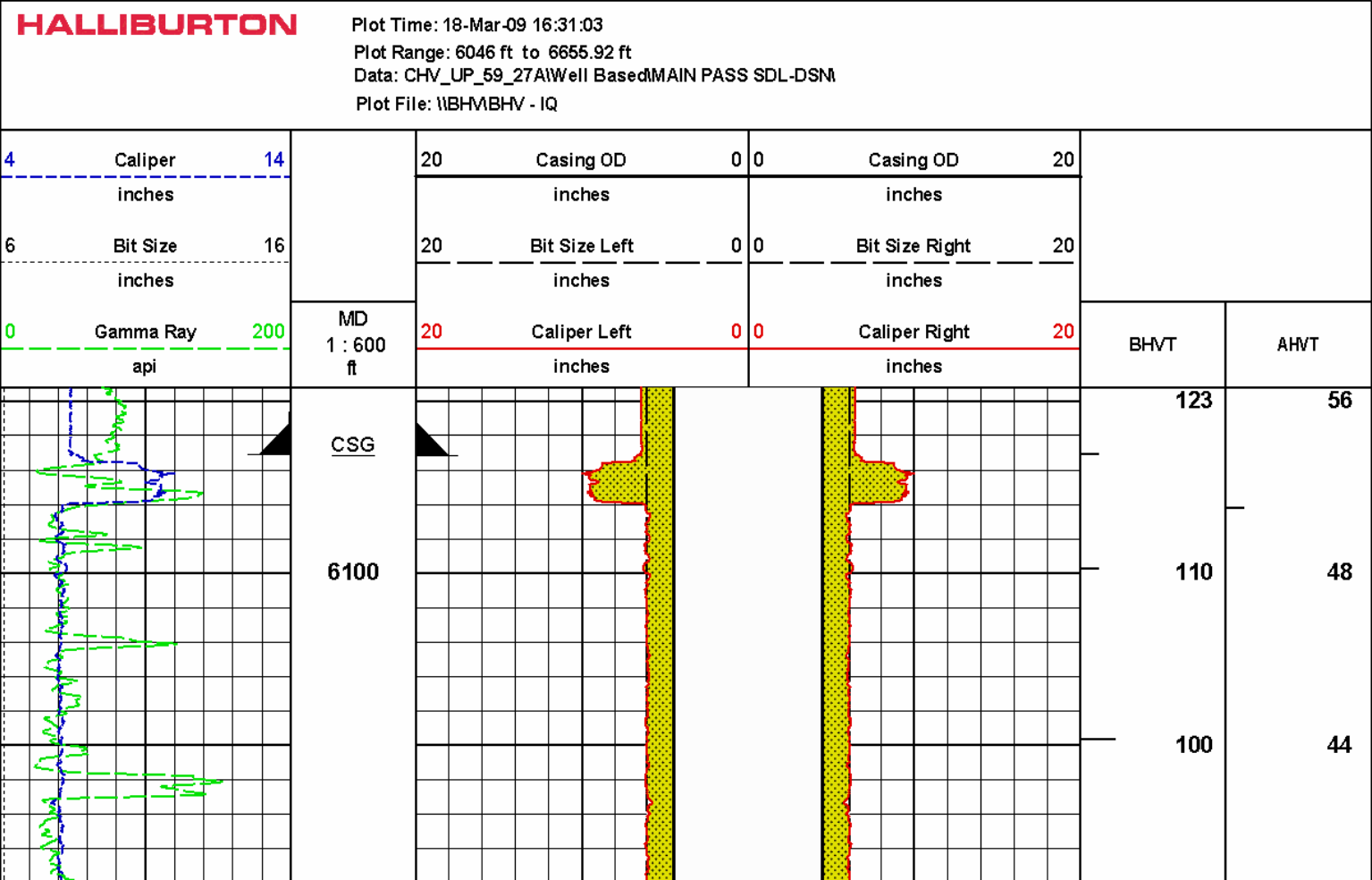
BOREHOLE VOLUME PLOT

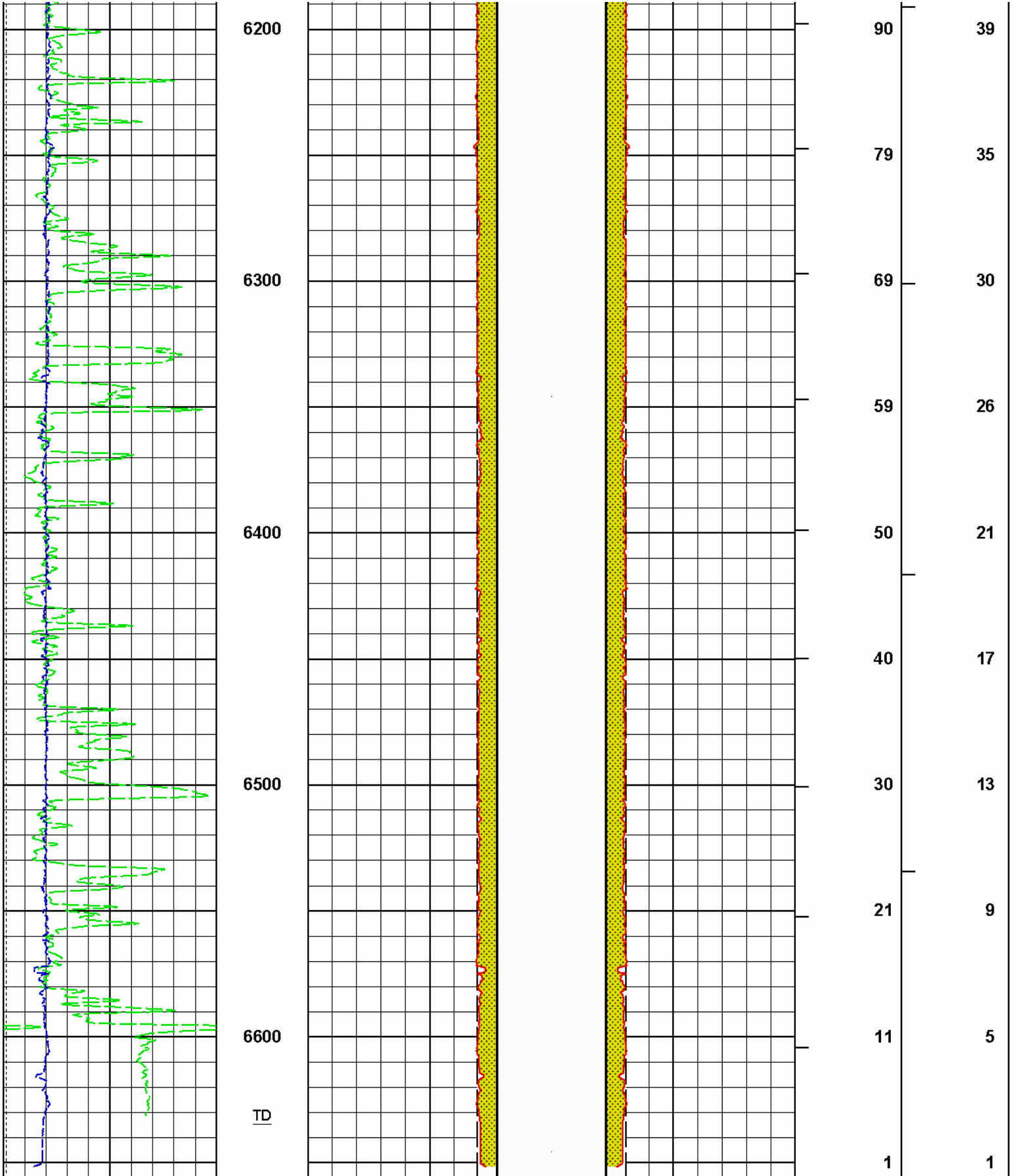
COMPANY		CHEVRON	
WELL		UP 59-27A	
FIELD		RANGELY	
COUNTY		RIO BLANCO	
STATE		CO	
Permanent Datum		GL	Elev. 5354.0 ft
Log measured from		KB	D.F. 5375.0 ft
Drilling measured from		KB	G.L. 5354.0 ft
Date		18-Mar-09	
Run No.		ONE	
Depth - Driller		6833.00 ft	
Depth - Logger		6835.0 ft	
Bottom - Logged Interval		6831.0 ft	
Top - Logged Interval		5786.0 ft	
Casing - Driller		7.000 in @ 6066.0 ft	@
Casing - Logger		6066.0 ft	@
Bit Size		6.125 in	@
Type Fluid in Hole		BRINE	
Density		10.0 ppG	
PH			
Source of Sample			
Rm @ Meas. Temperature		@	@
Rmf @ Meas. Temperature		@	@
Rmc @ Meas. Temperature		@	@
Source Rmf			
Rm @ BHT		@	@
Time Since Circulation		0.0 hr	
Time on Bottom		18-Mar-09 13:12	
Max. Rec. Temperature		175.0 degF @ 6835.0 ft	@
Equipment		Location	G. J.
Recorded By		K. WOOD	G. BOOK
Witnessed By		G. COLLINS	

Fold here

Service Ticket No.: 6567642		API Serial No.: 051031120700		PGM Version: WL INSITE R2.4 (Build 11)				
CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE				RESISTIVITY SCALE CHANGES				
Date	Sample No.			Type Log	Depth	Scale Up Hole	Scale Down Hole	
Depth-Driller								
Type Fluid in Hole								
Density	Viscosity							
Ph	Fluid Loss							
Source of Sample				RESISTIVITY EQUIPMENT DATA				
Rm @ Meas. Temp		@	@	Run No.	Tool Type & No.	Pad Type	Tool Pos.	Other
Rmf @ Meas. Temp.		@	@	ONE	ACRT-	N/A	1.5" S.O.	N/A
Rmc @ Meas. Temp.		@	@		90194258-			
Source Rmf		Rmc			E7486-S7482			
Rm @ BHT		@	@					
Rmf @ BHT		@	@					
Rmc @ BHT		@	@					
EQUIPMENT DATA								
GAMMA		ACOUSTIC		DENSITY		NEUTRON		
Run No.	ONE	Run No.		Run No.	ONE	Run No.	ONE	
Serial No.	11005602	Serial No.		Serial No.	10951314	Serial No.	10993888	
Model No.	GTET	Model No.		Model No.	DSNT	Model No.	SDLT	
Diameter	3.625"	No. of Cent.		Diameter	4.5"	Diameter	3.625"	
Detector Model No.	GTET	Spacing		Log Type	GAMMA-GAMMA	Log Type	THERMAL	
Type	SCINT.			Source Type	Cs-137	Source Type	Am241Be	
Length	8"	LOG DATA		Serial No.	5123GW	Serial No.	DSN-388	

Length		LOG [Y/N]		Serial No.	15000	Serial No.	15000						
Distance to Source		FWDA [Y/N]		Strength	1.5 Ci	Strength	15 Ci						
LOGGING DATA													
GENERAL			GAMMA		ACOUSTIC		DENSITY	NEUTRON					
Run	Depth		Speed	Scale		Scale		Matrix	Scale		Matrix		
No.	From	To	ft/min	L	R	L	R		L	R			
ONE	TD	5766	REC	0	150			30 %	-10 %	2.68 g/cc	30 %	-10 %	SAND
DIRECTIONAL INFORMATION													
Maximum Deviation				@				KOP				@	
Remarks: RWCH-GTET-IDT-DSNT-SDLT-ACRT DATA WAS ACQUIRED ON SEPARATE PASSES.													
HOLE RUGOSITY AND TENSION PULLS MAY AFFECT LOG QUALITY.													
AHV CALCULATED FOR 4.5" CASING.													
DSNT NOT DECENTRALIZED DUE TO BOREHOLE SIZE.													
LATITUDE: 40.12°N // LONGITUDE: 108.83°W													
YOUR CREW TODAY: K. LAUCK, A. LEWIS AND E. KEEN RIG: NONE													
THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES - GRAND JUNCTION, CO - (970) 523-3600													
HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL OR WHICH APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS, OR RECOMMENDATIONS AGREES THAT HALLIBURTON IS NOT RESPONSIBLE EXCEPT WHERE DUE TO GROSS NEGLIGENCE OR WILLFUL MISCONDUCT, FOR ANY LOSS, DAMAGES, OR EXPENSES RESULTING FROM THE USE THEREOF.													
HALLIBURTON													





0	Gamma Ray	200	MD	1 : 600	ft	20	Caliper Left	0	0	Caliper Right	20	BHVT	AHVT
	api						inches			inches			
6	Bit Size	16				20	Bit Size Left	0	0	Bit Size Right	20		
	inches						inches			inches			
4	Caliper	44				20	Caliper Left	0	0	Caliper Right	20		
							inches			inches			

4	Casiper	14	20	Casing OD	0	0	Casing OD	20
	inches			inches			inches	
<div><div>HALLIBURTON</div><div>Plot Time: 18-Mar-09 16:31:04 Plot Range: 6046 ft to 6655.92 ft Data: CHV_UP_59_27AWell BasedMAIN PASS SDL-DSM Plot File: \\BHMBHV - IQ</div></div>								

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COUNTY	RIO BLANCO		STATE	CO	
<div>HALLIBURTON</div>			<div>BOREHOLE VOLUME PLOT</div>		