PACIFIC SURVEYS

CALIPER BOREHOLE VOLUME

Job No.			
22075	Company	CASCADE DRILLING	
	Well	PW-15	
File No.	Field	COLTON	
	County	SAN BERNARDINO	State CA

Location:

CITRUS ST, EAST OF TERESA AVE
GPS: N34°05.100' W117°20.600'

Other Services:

ELOG/GR
SONIC/VDL

Sec.	Twp.	Rge.	Elevation above perm. datum	Elevation
				KDF
				GL

Permanent Datum	G.L.		
Log Measured From	G.L.	0'	
Drilling Measured From	G.L.		

Date	10/17/2016		
Run Number	ONE		
Depth Driller	548'		
Depth Logger	548'		
Bottom Logged Interval	548'		
Top Log Interval	0'		
Casing Driller	16" OD @ 40'		
Casing Logger	40'		
Bit Size	12.25"		
Type Fluid in Hole	BENTONITE		
Density / Viscosity	9.9 | 43.7		
pH / Fluid Loss	8.5 | 11		
Source of Sample	TROFT		
Rm @ Meas. Temp	4.6 @ 73.2°F		
Rmf @ Meas. Temp	4.4 @ 73.2°F		
Rmc @ Meas. Temp	N/A		
Source of Rmf / Rmc	MEASURE		
Rm @ BHT	N/A		
Time Circulation Stopped	8:30 AM		
Time Logger on Bottom	10:45 AM		
Max. Recorded Temperature	N/A		
Equipment Number	PS-10		
Location	LA		
Recorded By	HOFFMAN		
Witnessed By	R. TORRES		

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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 to the extent 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

Calibration Report

Database File	22075.db
Dataset Pathname	VL.gph
Dataset Creation	Mon Oct 17 12:18:49 2016

XY Caliper Calibration Report

Serial Number/Model:	PS-1 Short Composite
Performed:	Mon Sep 26 12:18:11 2016

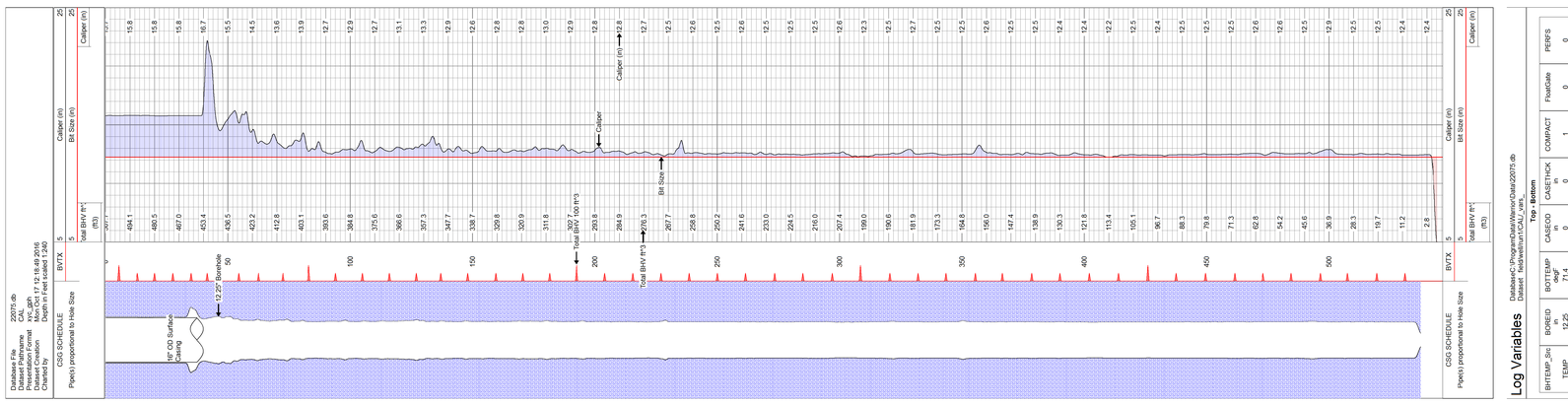
	Ring		X Caliper		Y Caliper	
1:	2.1	in	257.286	cps	257.286	cps
2:	3	in	344.986	cps	344.986	cps
3:	4	in	432.685	cps	432.685	cps
4:	5.75	in	613.716	cps	613.716	cps
5:	8	in	825.245	cps	825.245	cps
6:	14	in	1391.94	cps	1391.94	cps
7:	20	in	1969.10	cps	1969.10	cps
8:		in		cps		cps
9:		in		cps		cps
10:		in		cps		cps

Temperature Calibration Report

Serial Number:	PS-1 Short
Model Number:	PS-10
Performed:	Mon Sep 26 12:16:24 2016

	Reference	Reading
Low Reference:	1.50 degF	344.89 cps
High Reference:	7.00 degF	1381.94cps

Gain:	0.01
Offset:	-0.53
Delta Spacing:	1



Log Variables

Dataset=C:\Program Files\Winkar\Data\22075.db
Dataset=C:\Winkar\Data\VL.gph

Top - Bottom

BHTEMP_Src	BORED	BOTTEMP	CASEOD	CASETHICK	COMPACT	FloatGate	PERFS		
TEMP	in 12.25	degF 71.4	in 0	in 0	1	0	0		
RM_MEAS_R	RM_MEAS_T	RMF	RSH	SPSHIFT	SRFTEMP	SVFLUID	SVMATRIX		
4.6	73.2	Ohm-m 4.36	Ohm-m 20	mV 0	degF 65.9	ft/sec 189	ft/sec 47.6		
TDEPTH									
ft 548									

Variable Description

BHTEMP_Src: BHTEMP input Source Selector
BORED: Borehole I.D.
BOTTEMP: Bottom Hole Temperature
CASEOD: Casing O.D.
CASETHICK: Casing Thickness
COMPACT: Compaction Factor
FloatGate: Float Gate
PERFS: Perforating
RM_MEAS_R: Mud Resistivity Measured
RM_MEAS_T: Mud Temperature Measured
RMF: Resistivity of Mud Filtrate
RSH: Resistivity of Shale
SPSHIFT: S.P. Baseline Offset
SRFTEMP: Surface Temperature
SVFLUID: Fluid Velocity
SVMATRIX: Matrix Velocity
TEMP: Temperature
TDEPTH: Total Depth