XY CALIPER GAMMA RAY TEMPERATURE & SP LOG

YOUNGQUIST BROTHERS

Company SEMINOLE TRIBE OF FLORIDA - HWD
Well MW-1
Field HOLLYWOOD SEMINOLE
County BROWARD
State FLORIDA

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Location: API # :
6400N 64TH AVE, HOLLYWOOD
SEC 2 TWP 51S RGE 41E

Other Services

			Elevation
Permanent Datum	PAD	Elevation	K.B.
Log Measured From	PAD		D.F.
Drilling Measured From	PAD		G.L.

Date	12-21-2017
Run Number	ONE
Depth Driller	254'
Depth Logger	254'
Bottom Logged Interval	254'
Top Log Interval	0'
Open Hole Size	46.5"
Type Fluid	MUD
Density / Viscosity	N/A
Max. Recorded Temp.	N/A
Estimated Cement Top	N/A
Time Well Ready	21:30
Time Logger on Bottom	22:30
Equipment Number	107
Location	FORT MYERS
Recorded By	R. PIERSON
Witnessed By	K. RINGGER

Borehole Record				Borehole Record		
Run Number	Bit	From	To	Run No	Bit	From	To
ONE	46.5"	8'	250'				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	48"	.375	0'	8'
Prot. String				
Production String				
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

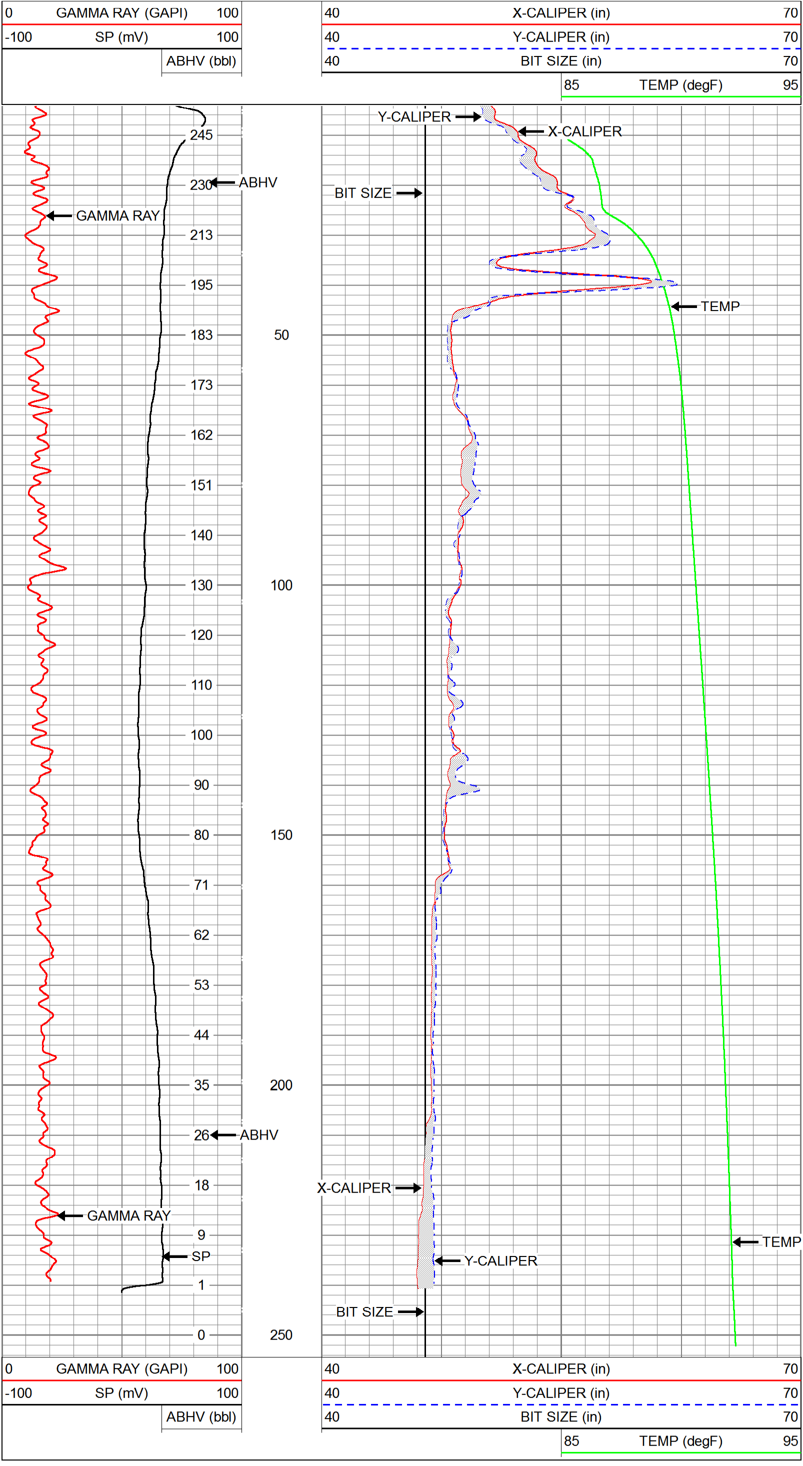
MAX. CALIPER ARMS-69"

ABHV CALCULATED FOR 36" CASING

YOUNGQUIST BROTHERS

MAIN PASS

Database File	hw diw stof mw1.db
Dataset Pathname	temp/pass4
Presentation Format	grxy-abhv
Dataset Creation	Fri Dec 22 00:24:19 2017
Charted by	Depth in Feet scaled 1:240



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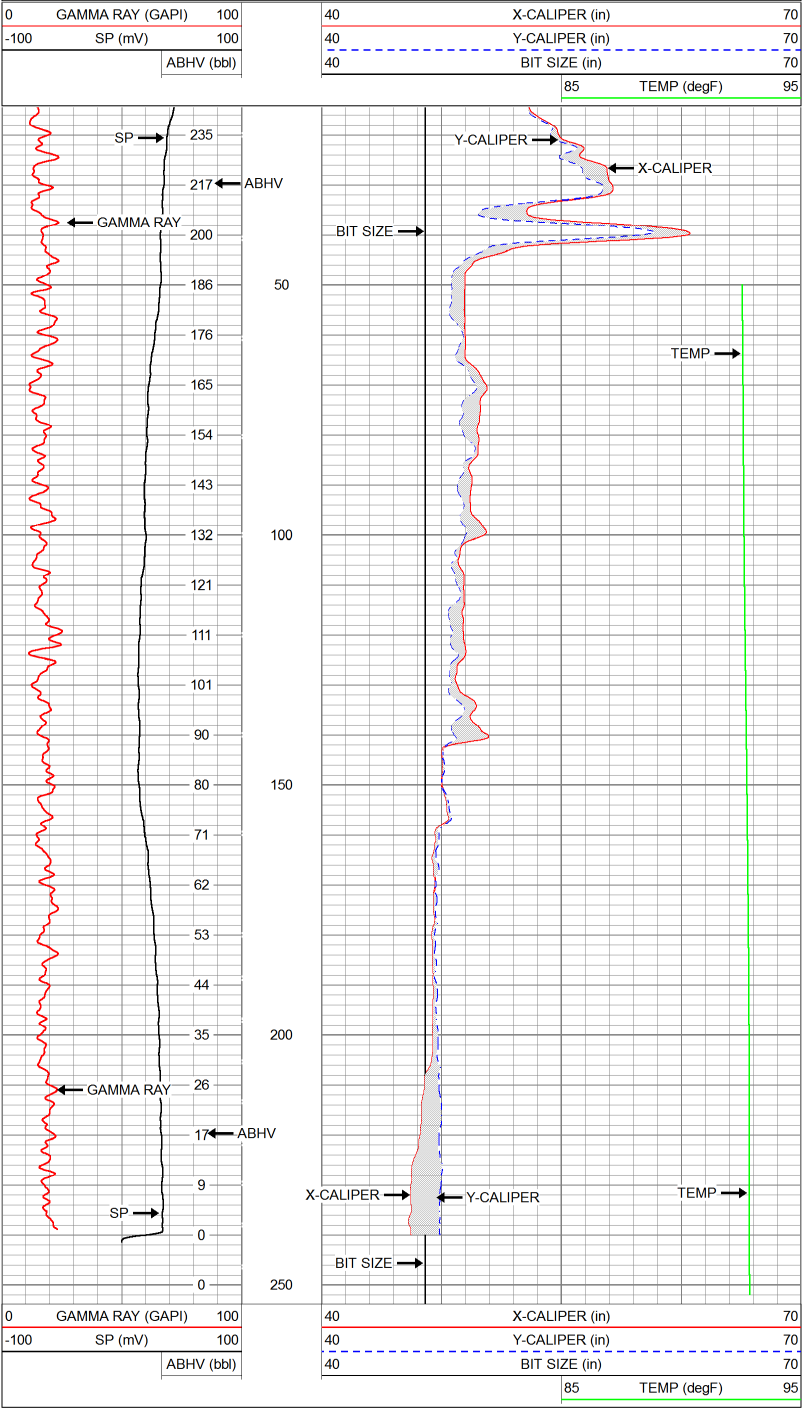
REPEAT PASS

Database File	hw diw stof mw1.db
Dataset Pathname	temp/pass2.1
Presentation Format	grxy-abhv
Dataset Creation	Fri Dec 22 00:11:55 2017
Charted by	Depth in Feet scaled 1:240



Calibration Report

Database File	hw diw stof mw1.db
Dataset Pathname	temp/pass4
Dataset Creation	Fri Dec 22 00:24:19 2017

XY Caliper Calibration Report

Serial Number/Model:	46SM-XYCSM
Performed:	Thu Dec 21 22:30:41 2017

	Ring		X Caliper		Y Caliper	
1:	10	in	863.37	cps	901.848	cps
2:	20	in	978.587	cps	1026.52	cps
3:	30	in	1117.93	cps	1167.17	cps
4:	40	in	1259.78	cps	1319.03	cps
5:	50	in	1412.28	cps	1483.15	cps
6:		in		cps		cps
7:		in		cps		cps
8:		in		cps		cps
9:		in		cps		cps
10:		in		cps		cps

Gamma Ray Calibration Report

Serial Number:	13	
Tool Model:	GROH	
Performed:	Thu Dec 21 11:59:12 2017	
Calibrator Value:	100.0	GAPI
Background Reading:	24.8	cps
Calibrator Reading:	49.0	cps
Sensitivity:	2.1234	GAPI/cps

Calibration Report

Database File	hw diw stof mw1.db
Dataset Pathname	temp/pass5
Dataset Creation	Fri Dec 22 01:17:57 2017

Dual Induction Calibration Report

Serial-Model:	1510-C
Surface Cal Performed:	Wed Oct 04 10:42:28 2017
Downhole Cal Performed:	Thu Dec 21 12:56:19 2017
After Survey Verification Performed:	Thu Dec 21 12:56:19 2017

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	-0.003	0.668	V	0.000	400.000	mmho/m	596.595	1.577
Medium	0.047	0.825	V	0.000	464.000	mmho/m	596.216	-27.886
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.012	0.644	V	-37.423	435.140	mmho/m	747.516	-46.361
Medium	0.007	0.745	V	-85.434	464.772	mmho/m	745.906	-90.706

Downhole Calibration

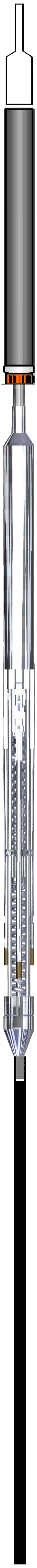
	Readings			References			Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	9.078	387.026	mmho/m	8.710	385.864	mmho/m	0.998	-0.349
Medium	-24.669	415.302	mmho/m	-23.672	416.118	mmho/m	1.000	0.987
Shallow	0.018	2.564	V	1.000	140.000	Ohm-m	54.598	0.027

After Survey Verification

	Readings			Targets			Results	
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	9.078	387.026	mmho/m	0.998	-0.349
Medium	0.000	0.000	mmho/m	-24.669	415.302	mmho/m	1.000	0.987
Shallow	0.000	0.000	Ohm-m	1.000	140.000	Ohm-m	1.000	0.000

Spontaneous Potential Calibration Report

Serial Number:	1510
Tool Model:	C
Performed:	Fri Dec 22 00:10:37 2017
Gain:	10.734

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb
			CHD-StdCHD	1.00	1.69	10.00
GR	12.60		GR-GROH (13)	2.75	3.50	40.00
YCAL XCAL	8.50 8.50		XYC-XYCSM (46SM)	6.60	3.50	87.00
			BARS-1.68	5.00	1.68	50.00

Dataset:	hw diw stof mw1.db: field/well/temp/pass4
Total length:	15.35 ft
Total weight:	187.00 lb
O.D.:	3.50 in