



GEOPHYSICAL LOGGING DIVISION

YOUNGQUIST BROTHERS, Inc

FLUID CONDUCTIVITY TEMPERATURE LOG

Company **HAZEN & SAWYER**
Well **IW #2**
Field **S. CTY RGL WTP R/O EXP**
County **COLLIER**
State/Pv **FL**

Company **HAZEN & SAWYER**
Well **IW #2**
Field **SOUTH CITY REGIONAL WTP R/O EXP**
County **COLLIER** State **FLORIDA**
Location

Permanent Datum **PAD** Elevation
Log Measured From **GROUND LEVEL**
Drilling Measured From
Other Services
SEE COMMENTS
Elevation
K.B.
D.F.
G.L.

Date	22-OCT-2002
Run Number	FOURTEEN
Depth Driller	3205'
Depth Logger	2635'
Bottom Logged Interval	2635'
Top Log Interval	2350'
Open Hole Size	22"
Type Fluid	WATER
Density / Viscosity	N/A
Max. Recorded Temp.	NA
Estimated Cement Top	NA
Time Well Ready	ON ARRIVAL
Time Logger on Bottom	0130
Equipment Number	103
Location	FT MYERS
Recorded By	LEE
Witnessed By	N.KUGLER

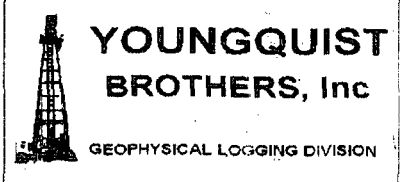
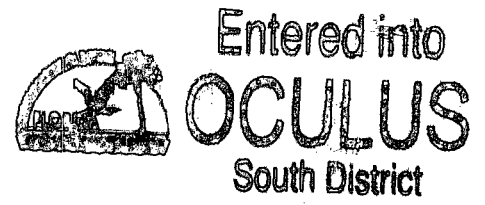
Borehole Record		Borehole Record	
Run Number	Bit	Top	Bottom
ONE	48.5"	SURFACE	335'
THREE	12.25"	CASING	1400'
FOUR	40.5"	CASING	1305'
FIVE	12.25"	CASING	3205'
Casing Record	Size	Wgt/Ft	Bottom
Casing Record	60"	500 W.T.	10'
Casing Record	42"	375 W.T.	330'
Casing Record	34"	375 W.T.	1300'
Casing Record	24"	500 W.T.	2278'
Casing Record	20"	500 W.T.	2271.5'

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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

OTHER SERVICES:
FLOWMETER
DHTVS
DIL/LL3/SP
X-Y CALIPER/GAMMA RAY
BOREHOLE COMPENSATED SONIC

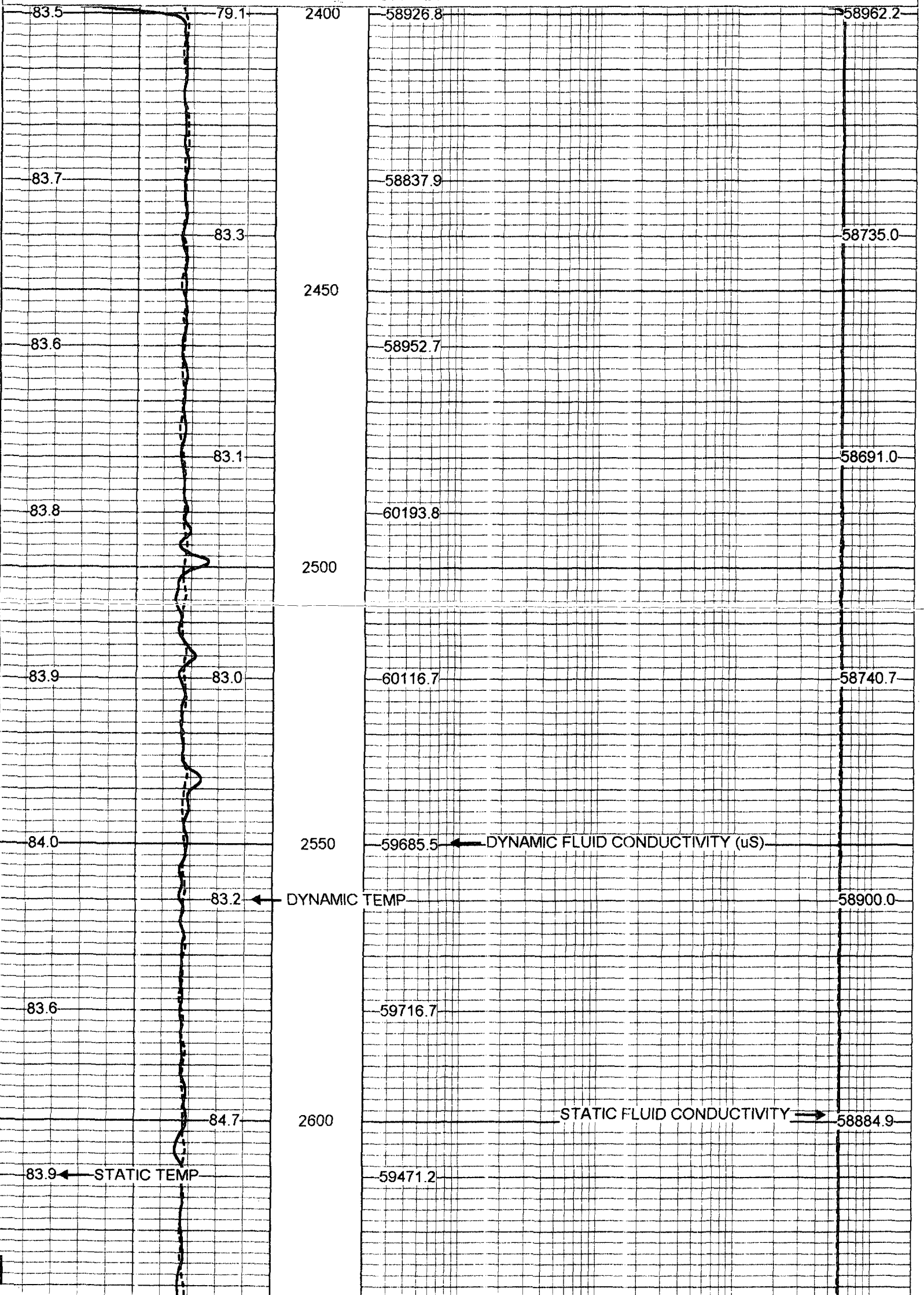


MERGED FRT

Database File: scriw2.db
Dataset Pathname: run15/FRTDYN
Presentation Format: frt_mg.prs

50 DYNAMIC TEMP (degF) 100
 50 STATIC TEMP (degF) 100

20 DYNAMIC FLUID CONDUCTIVITY (uS) 200000
 20 STATIC FLUID CONDUCTIVITY (uS) 200000



50	DYNAMIC TEMP (degF)	100	20	DYNAMIC FLUID CONDUCTIVITY (uS)	200000
50	STATIC TEMP (degF)	100	20	STATIC FLUID CONDUCTIVITY (uS)	200000

FRT Calibration Report

Serial Number: 31
 Tool Model: SONDEX
 Performed: Thu Apr 18 16:53:14 2002

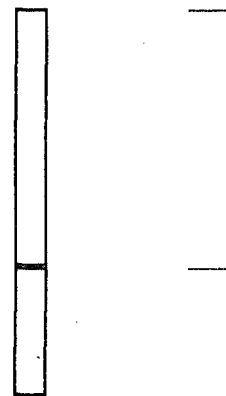
Point #	Reading		Reference
1	33.268	cps	1000.000
2	191.068	cps	10000.000
3	521.991	cps	25000.000
4	1106.020	cps	50000.000
5	1741.710	cps	75000.000
6		cps	

Temperature Calibration Report

Serial Number: 31
 Tool Model: SONDEX
 Performed: Thu Apr 18 17:13:16 2002

Point #	Reading		Reference	
1	0	cps	0	degF
2	110.873	cps	35	degF
3	436.3	cps	85	degF

TEMP 0.70 ft
 FRES 0.50 ft



TEMP-SONDEX (31) 10.00 lb 1.62 in OD 1.20 ft

FRT-SONDEX (31) 10.00 lb 1.69 in OD 0.60 ft

Dataset: run15/FRTDYN
 Total Length: 1.80 ft
 Total Weight: 20.00 lb
 O.D.: 1.69 in