

XY CALIPER
GAMMA RAY
LOG

Company FP&L
Well FA-3
Field OCEC
County OKEECHOBEE
State FLORIDA

Company FP&L
Well FA-3
Field OCEC
County OKEECHOBEE
State FLORIDA

Location: API #: STATE ROAD 60
M.M. 5.5
SEC TWP RGE
Permanent Datum Elevation
Log Measured From
Drilling Measured From
Other Services
SEE COMMENTS
Elevation
K.B.
D.F.
G.L.

Date 01-31-2017

Run Number	FIVE
Depth Driller	603'
Depth Logger	603'
Bottom Logged Interval	603'
Top Log Interval	300'
Open Hole Size	14.75"
Type Fluid	WATER
Density / Viscosity	NA
Max. Recorded Temp.	NA
Estimated Cement Top	NA
Time Well Ready	15:00 HRS
Time Logger on Bottom	15:30 HRS
Equipment Number	107
Location	FT MYERS
Recorded By	R CAUDILL
Witnessed By	C. SMITH

Borehole Record		Tubing Record	
Run Number	Bit Size	From	To
ONE	12.25" SURFACE	140'	
TWO	56.5" SURFACE	120'	
THREE	12.25" 113	420'	
FOUR	46.5" 117'	360'	

Record	Size	Wgt/Ft	Top	Bottom
Casing Record	48"	0.375"W.T.	SURFACE	116.6'
Surface String	36"	0.500"W.T.	SURFACE	358'
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

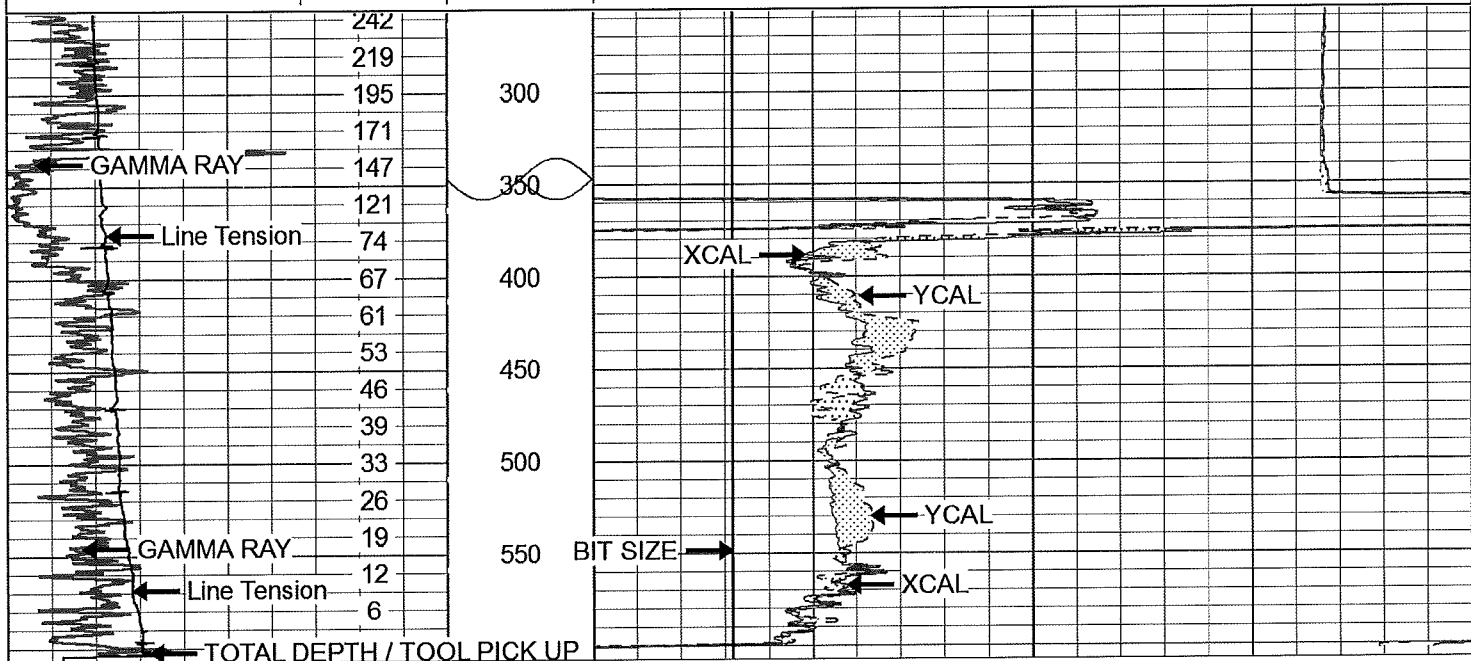
SEE COMMENTS
MAX ARM READING = 56.5"
DUAL INDUCTION WITH SP



MAIN PASS

Database File vero_fa3_run 5.db
 Dataset Pathname pass4.3
 Presentation Format grxyc
 Dataset Creation Tue Jan 31 16:01:58 2017
 Charted by Depth in Feet scaled 1:1200

0	GAMMA RAY (GAPI)	100	10	X-CALIPER (in)	40
0	LTEN (lb)	1000	10	Y-CALIPER (in)	40
	TBHV (bbl)		10	BIT SIZE (in)	40



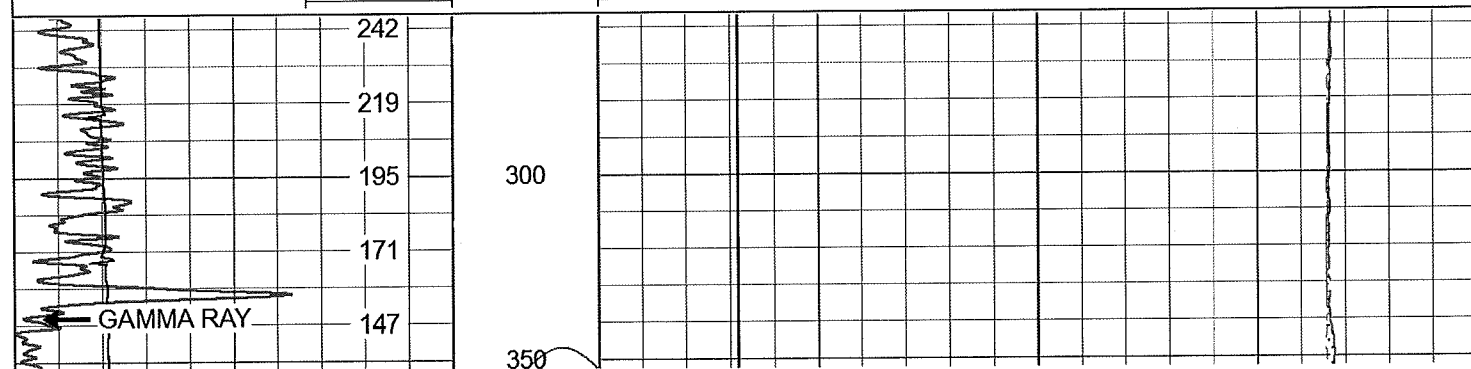
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0	LTEN (lb)	1000	10	Y-CALIPER (in)	40
	TBHV (bbl)		10	BIT SIZE (in)	40

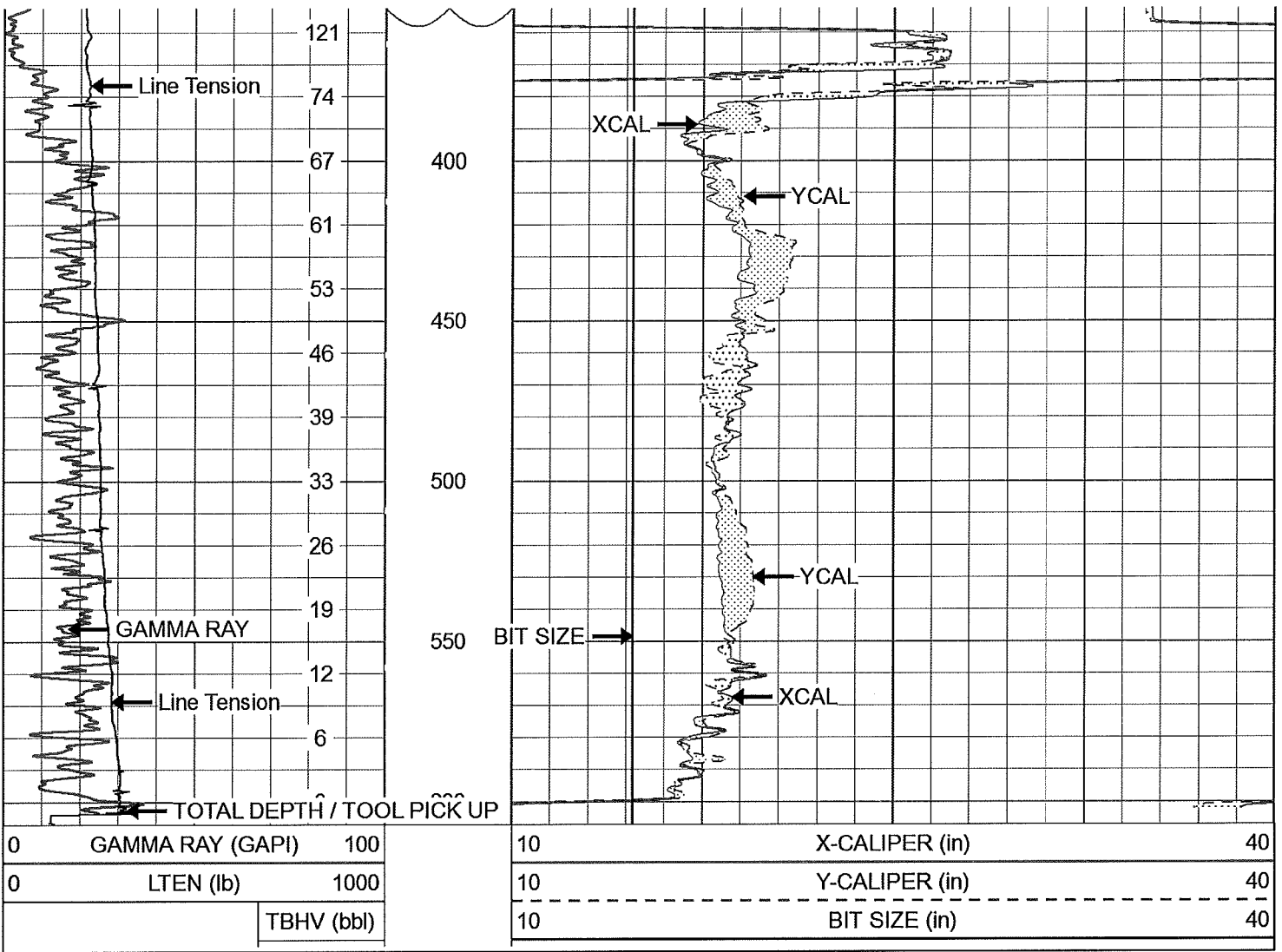


MAIN PASS

Database File vero_fa3_run 5.db
 Dataset Pathname pass4.3
 Presentation Format grxyc
 Dataset Creation Tue Jan 31 16:01:58 2017
 Charted by Depth in Feet scaled 1:600

0	GAMMA RAY (GAPI)	100	10	X-CALIPER (in)	40
0	LTEN (lb)	1000	10	Y-CALIPER (in)	40
	TBHV (bbl)		10	BIT SIZE (in)	40

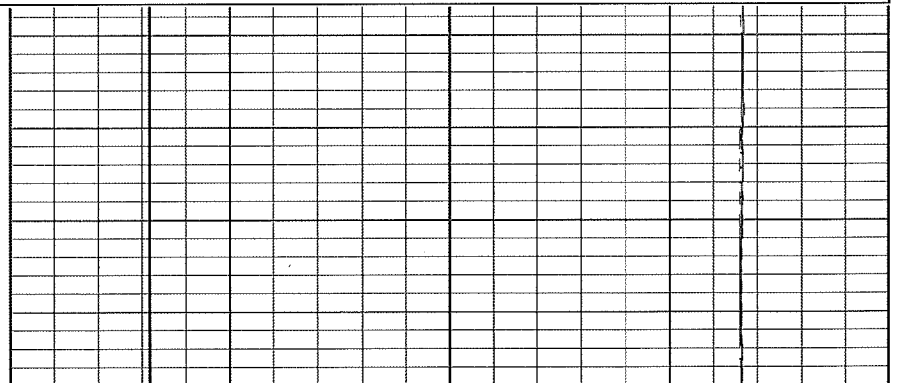
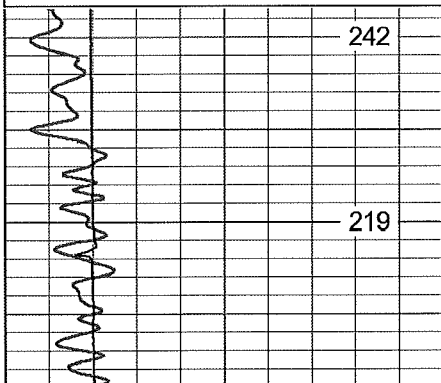


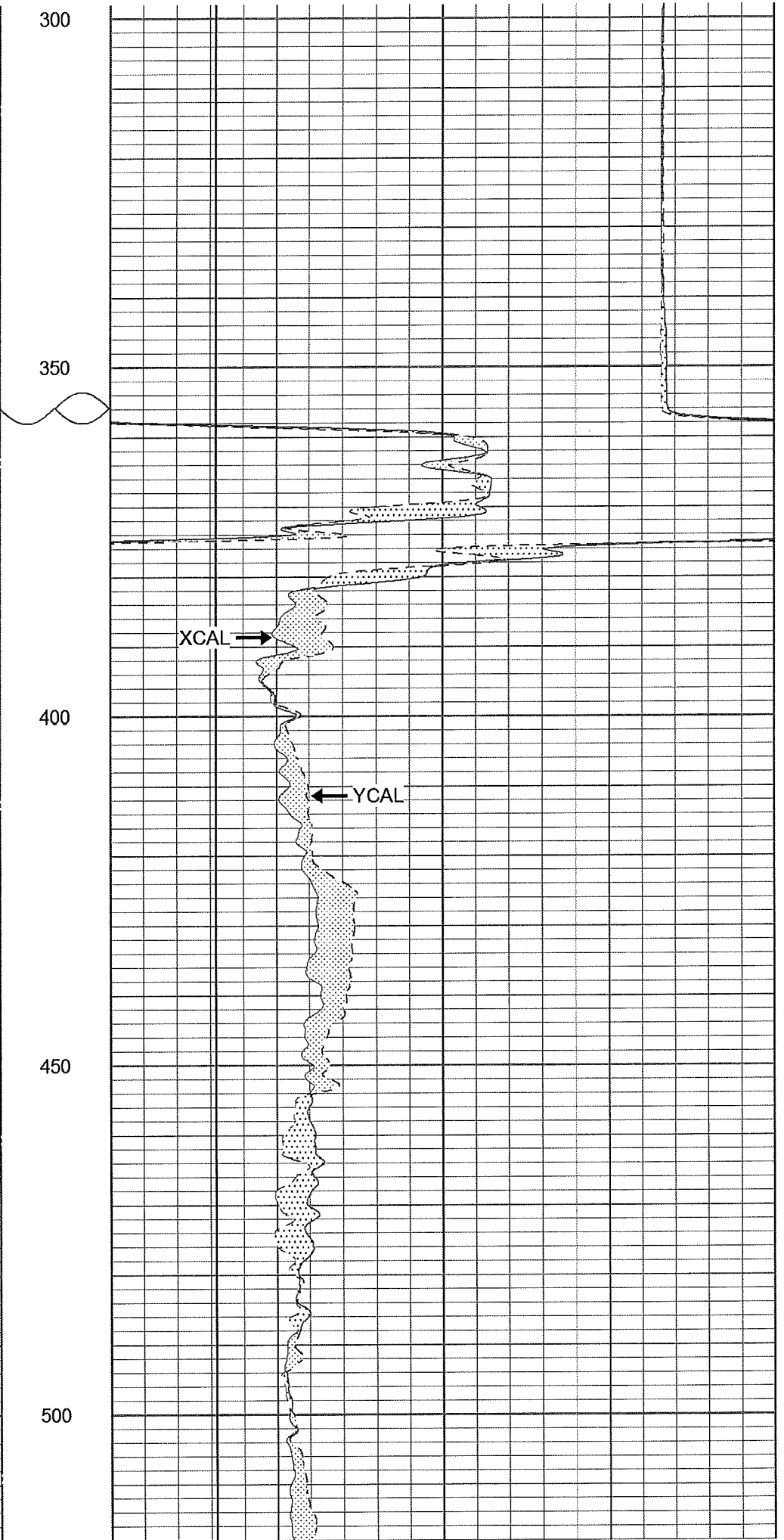
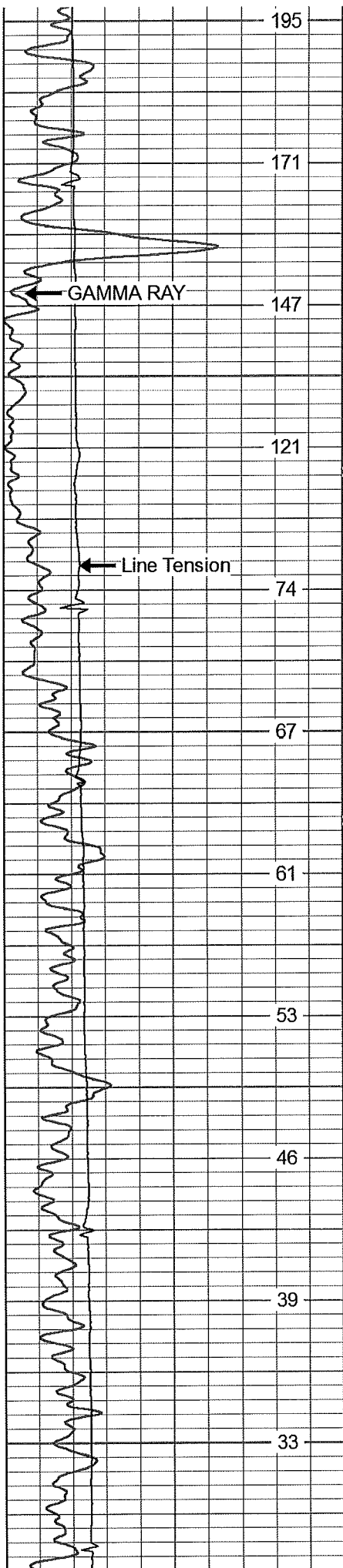


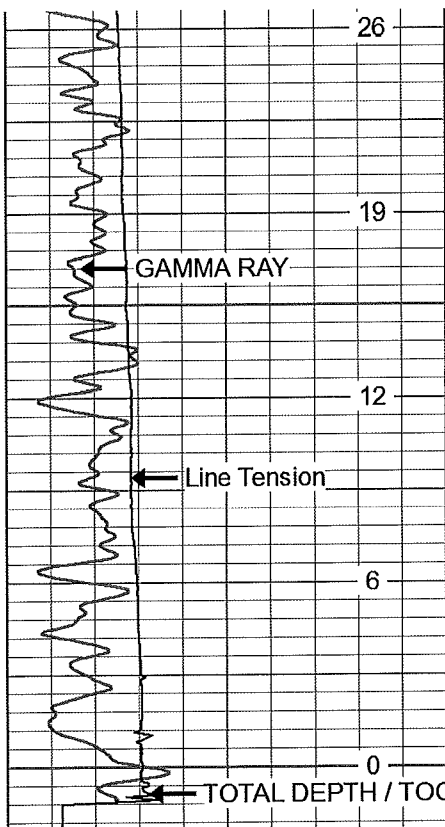
MAIN PASS

Database File vero_fa3_run 5.db
 Dataset Pathname pass4.3
 Presentation Format grxyc
 Dataset Creation Tue Jan 31 16:01:58 2017
 Charted by Depth in Feet scaled 1:240

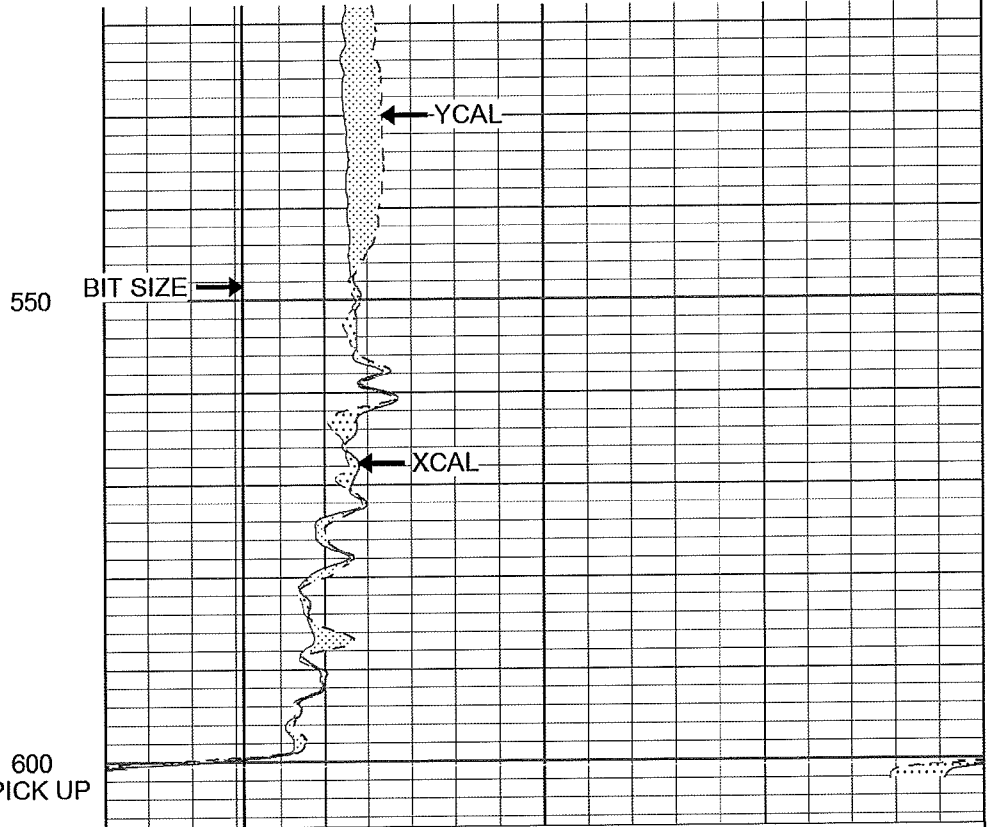
0	GAMMA RAY (GAPI)	100	10	X-CALIPER (in)	40
0	LTEN (lb)	1000	10	Y-CALIPER (in)	40
	TBHV (bb)		10	BIT SIZE (in)	40







0	GAMMA RAY (GAPI)	100
0	LTEN (lb)	1000
	TBHV (bbl)	



10	X-CALIPER (in)	40
10	Y-CALIPER (in)	40
10	BIT SIZE (in)	40

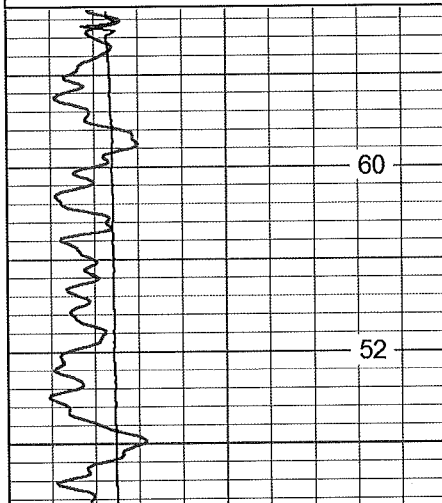


REPEAT SECTION

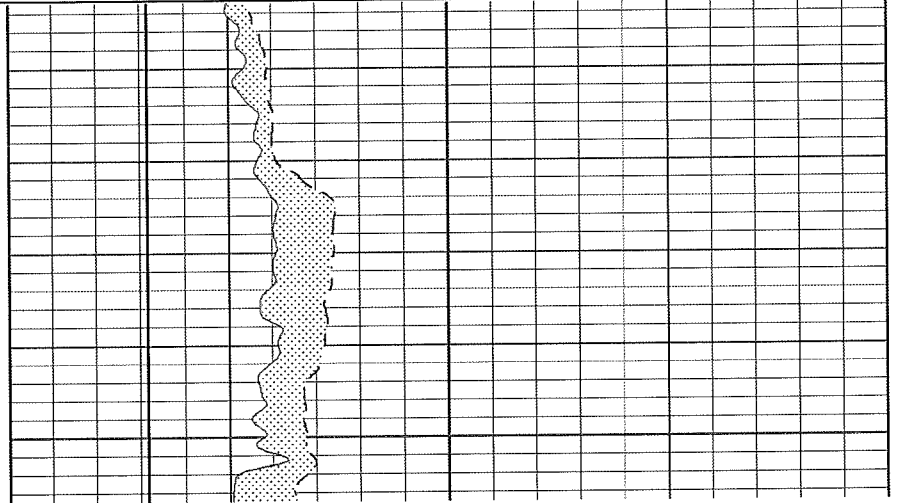
Database File vero_fa3_run 5.db
 Dataset Pathname pass3.1
 Presentation Format grxyc
 Dataset Creation Tue Jan 31 16:03:36 2017
 Charted by Depth in Feet scaled 1:240

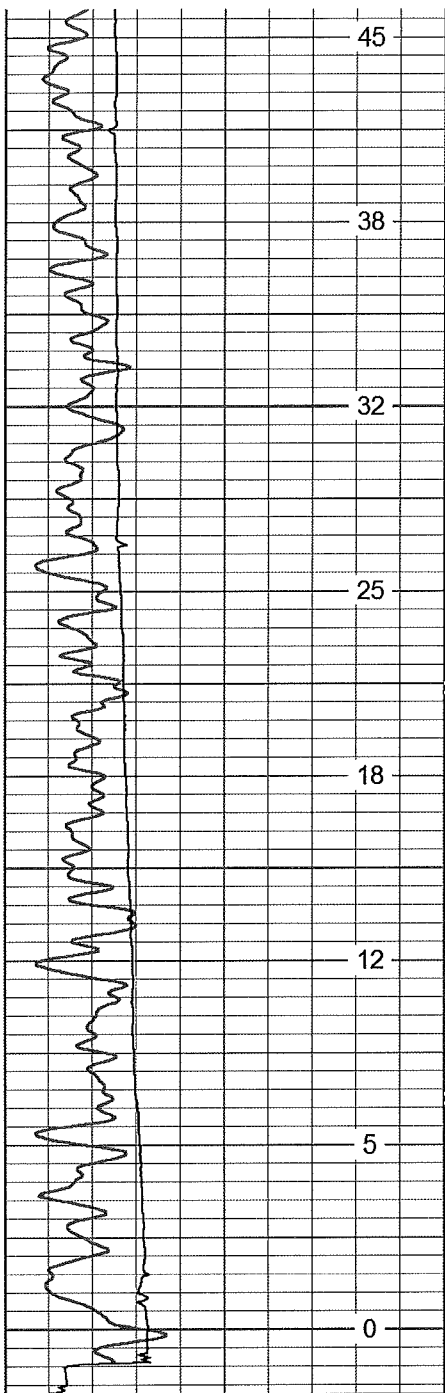
0	GAMMA RAY (GAPI)	100
0	LTEN (lb)	1000
	TBHV (bbl)	

10	X-CALIPER (in)	40
10	Y-CALIPER (in)	40
10	BIT SIZE (in)	40



450

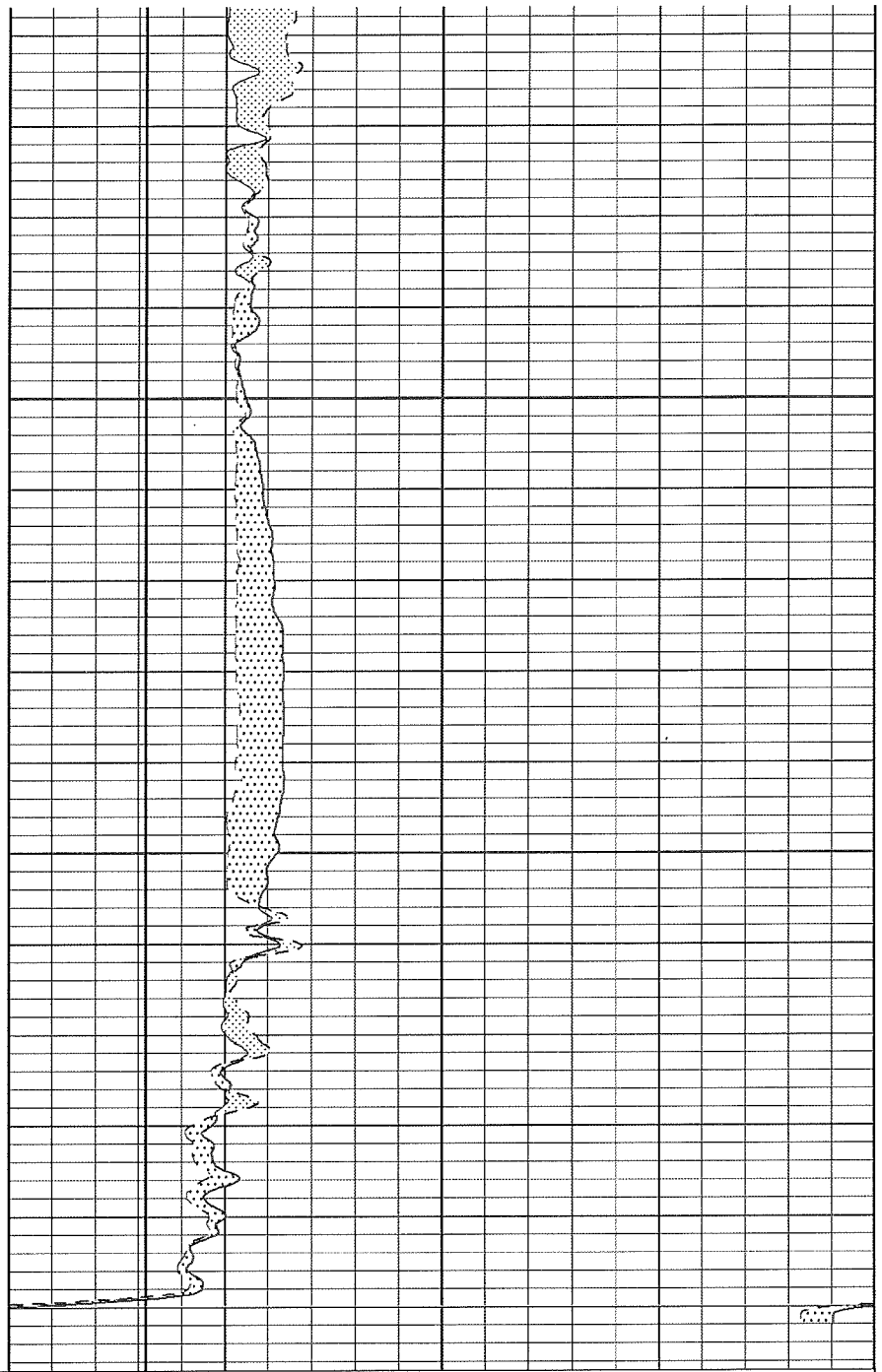




500

550

600



0	GAMMA RAY (GAPI)	100
0	LTEN (lb)	1000
	TBHV (bbl)	

10	X-CALIPER (in)	40
10	Y-CALIPER (in)	40
10	BIT SIZE (in)	40

Calibration Report

Database File vero_fa3_run 5.db
 Dataset Pathname pass4.3
 Dataset Creation Tue Jan 31 16:01:58 2017

XY Caliper Calibration Report

Serial Number/Model: 2-GOI
 Performed: Tue Jan 31 13:58:08 2017

	Ring		X Caliper		Y Caliper	
1:	10	in	349.082	cps	375.657	cps
2:	20	in	447.148	cps	465.579	cps
3:	30	in	566.036	cps	570.376	cps

3:	35	in	649.525	cps	649.525	cps
4:	35	in	649.525	cps	649.156	cps
5:	56.5	in	949.781	cps	918.79	cps
6:		in		cps		cps
7:		in		cps		cps
8:		in		cps		cps
9:		in		cps		cps
10:		in		cps		cps

Calibration Report

Database File vero_fa3_run 5.db
Dataset Pathname pass2
Dataset Creation Tue Jan 31 14:18:24 2017

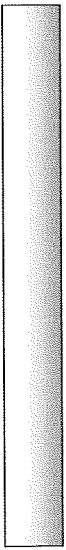
Gamma Ray Calibration Report

Serial Number: 13
Tool Model: GROH
Performed: Thu Jan 26 06:09:23 2017


Calibrator Value: 69.0 GAPI

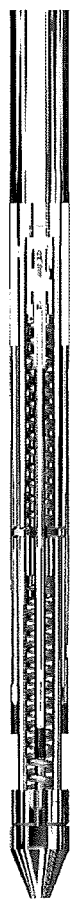
Background Reading: 4.1 cps
Calibrator Reading: 71.8 cps

Sensitivity: 2.0000 GAPI/cps

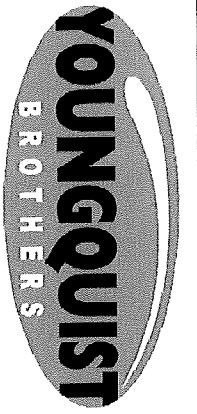
Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	1.00		GR-GROH (13)	2.75	3.50	40.00

Dataset: vero_fa3_run 5.db: field/well/run1/pass2
Total length: 2.75 ft
Total weight: 40.00 lb
O.D.: 3.50 in

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
						

<p>YCAL XCAL</p>	<p>2.58 2.58</p>		<p>XYC-GOI (2) 4 Arm X-Y Caliper</p>	<p>6.13</p>	<p>3.25</p>	<p>45.00</p>
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Dataset: vero_fa3_run 5.db: field/well/run1/pass4.3
Total length: 6.13 ft
Total weight: 45.00 lb
O.D.: 3.25 in



DUAL INDUCTION
S.P.
GAMMA RAY

Company	FP&L	Location:	API #:	Other Services
Well	FA-3	STATE ROAD 60		SEE
Field	OCEC	M.M. 5.5		COMMENTS
County	OKEECHOBEE	SEC	TWP	RGE
State	FLORIDA	Elevation		
Permanent Datum		Elevation		
Log Measured From		Elevation		
Drilling Measured From		Elevation		

Date	JANUARY 01, 2017									
Run Number	ONE									
Depth Driller	140'									
Depth Logger	140.5'									
Bottom Logged Interval	140.5'									
Top Log Interval	SURFACE									
Open Hole Size	12.25"									
Type Fluid	H2O									
Density / Viscosity	NA									
Max. Recorded Temp.	NA									
Estimated Cement Top	NA									
Time Well Ready	10:00 HRS									
Time Logger on Bottom	11:00 HRS									
Equipment Number	106									
Location	FT MYERS									
Recorded By	R. CAUDILL									
Witnessed By	R. MILLER									
Borehole Record					Borehole Record					
Run Number	Bit	From	To	Run No	Bit	From	To			
ONE	12.25"	SURFACE	140'							
Casing Record		Size		Wgt/Ft		Top		Bottom		
Surface String										
Prot. String										
Production String										
Liner										

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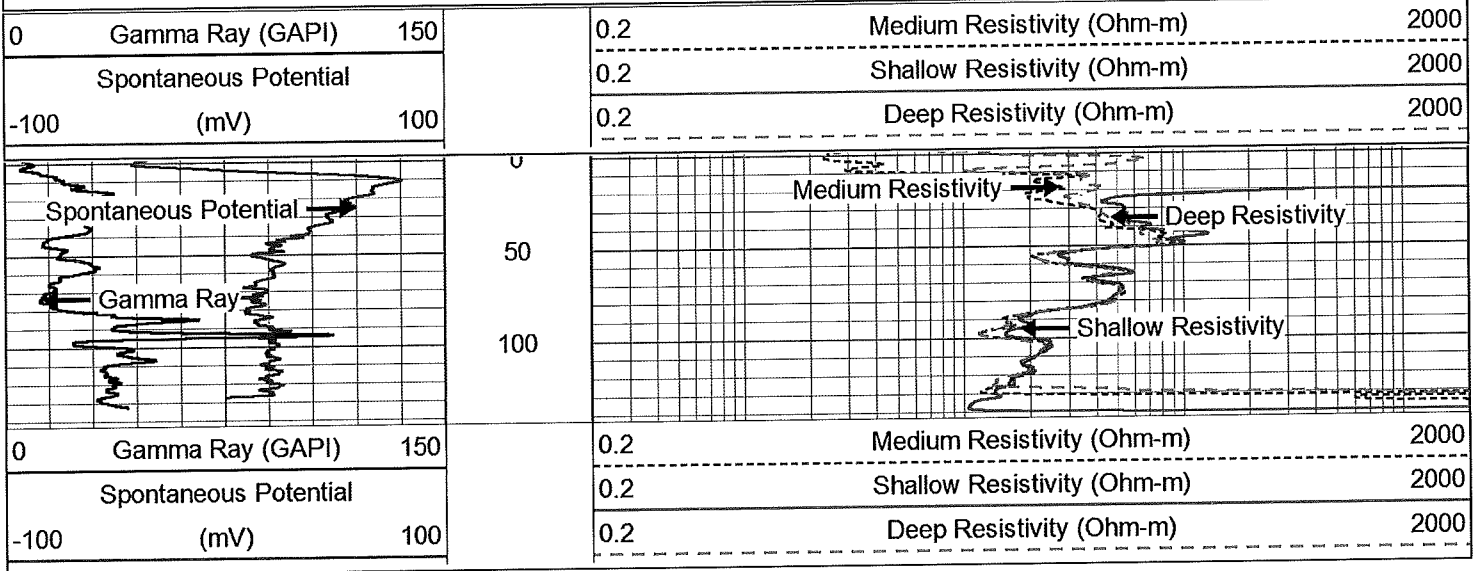
Comments

OTHER SERVICES:
XY CALIPER AND GAMMA RAY



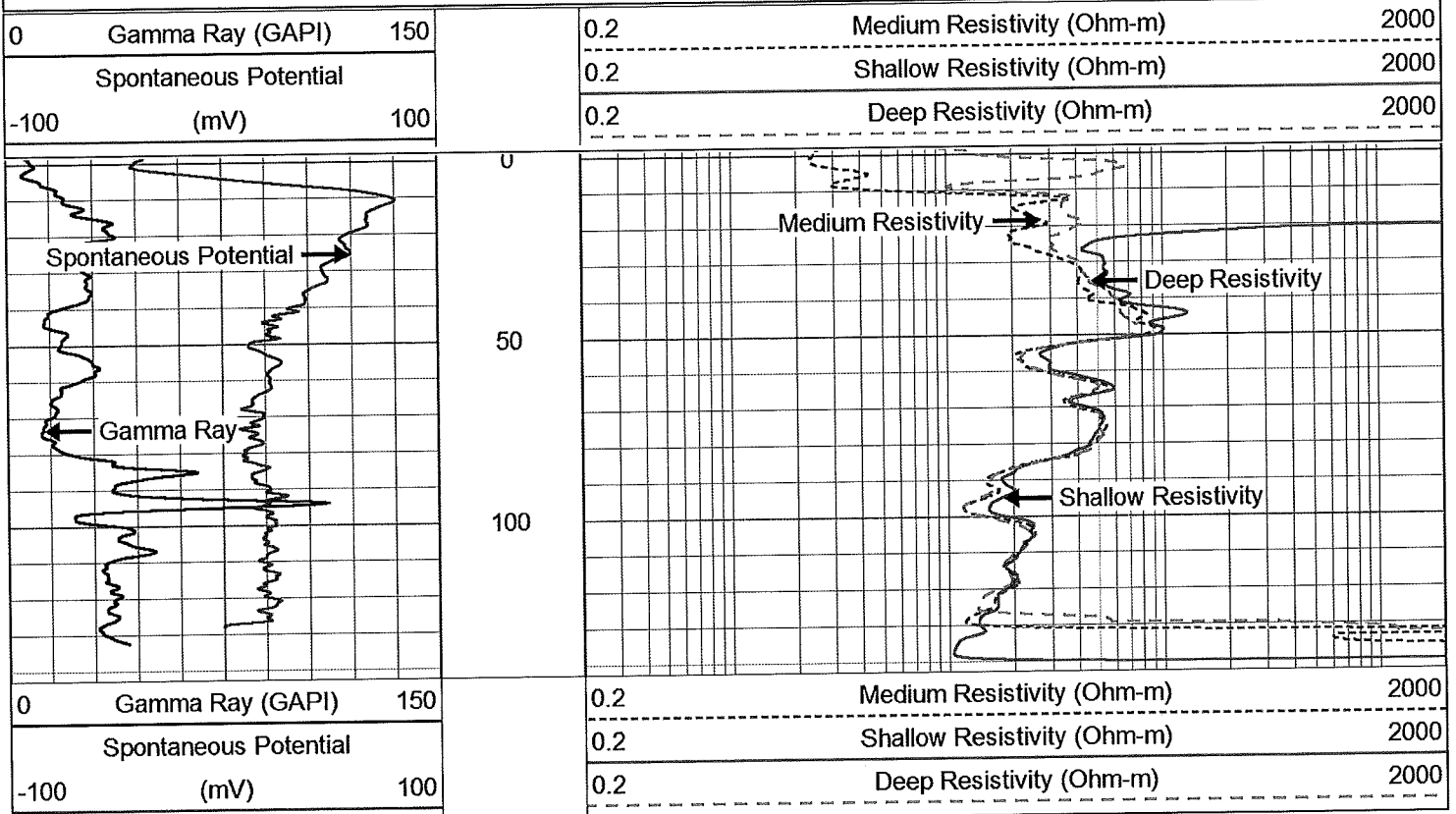
MAIN PASS

Database File vero_fa3.db
 Dataset Pathname pass11.8
 Presentation Format dil
 Dataset Creation Sun Jan 01 14:53:58 2017
 Charted by Depth in Feet scaled 1:1200



MAIN PASS

Database File vero_fa3.db
 Dataset Pathname pass11.8
 Presentation Format dil
 Dataset Creation Sun Jan 01 14:53:58 2017
 Charted by Depth in Feet scaled 1:600





MAIN PASS

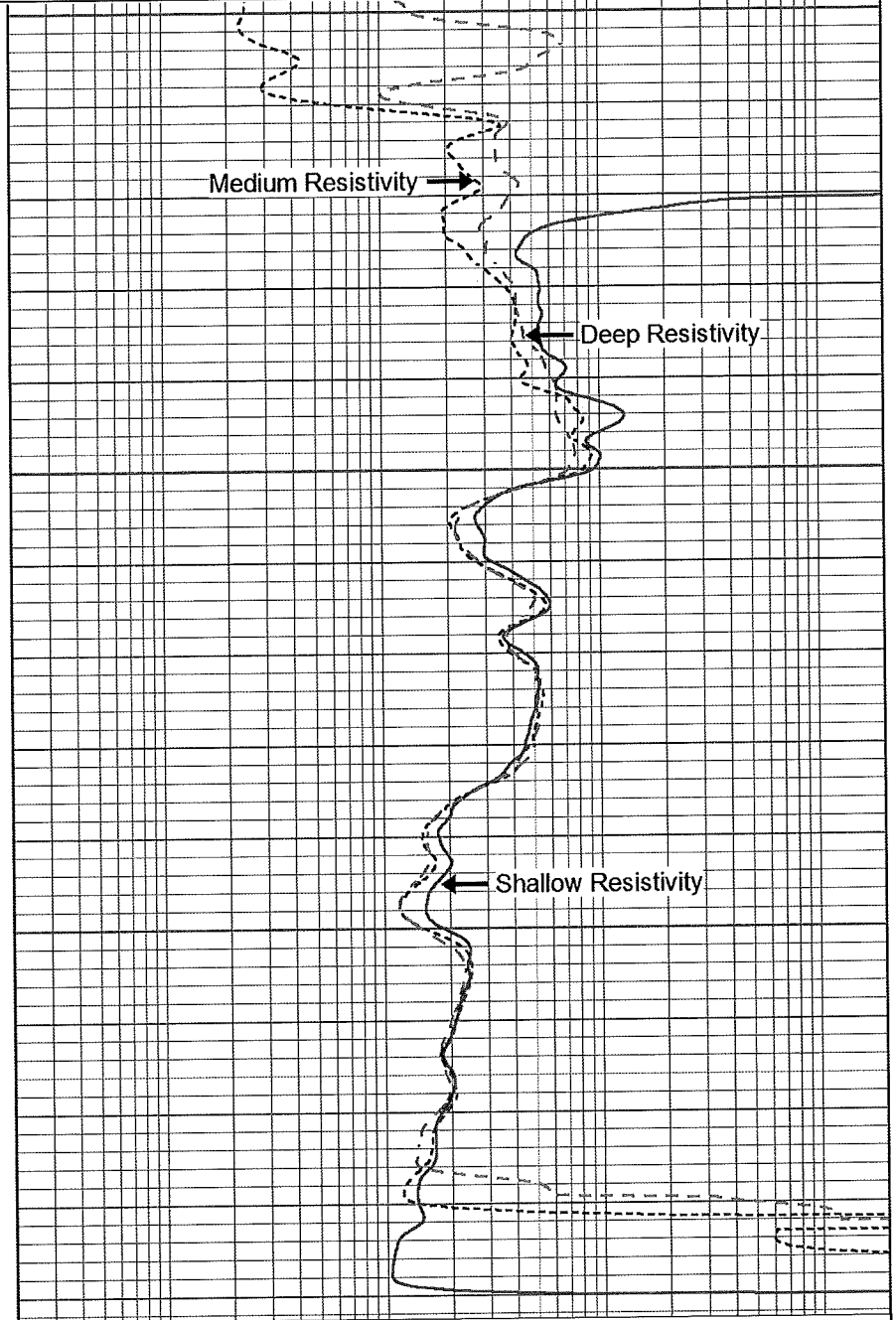
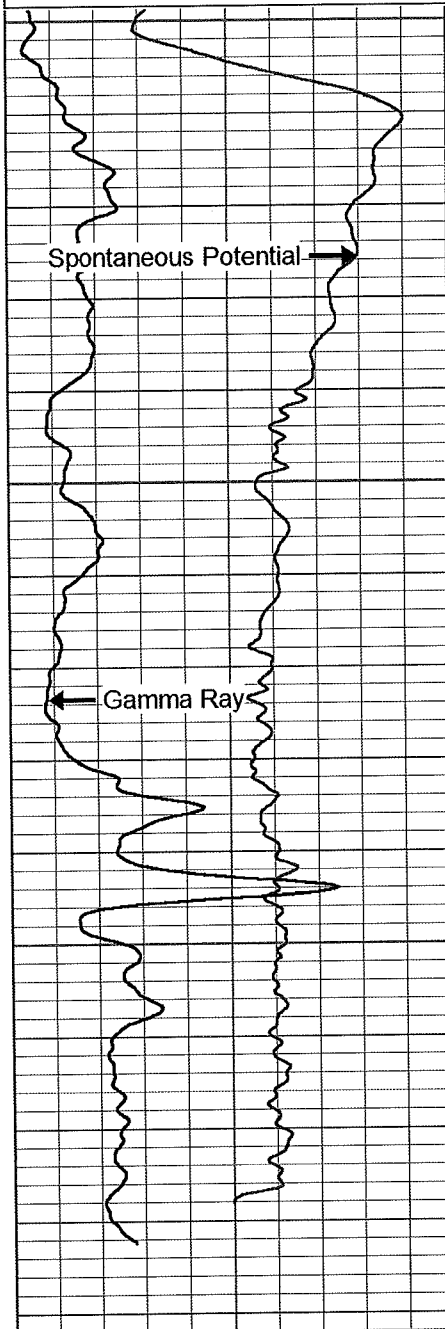
Database File vero_fa3.db
 Dataset Pathname pass11.8
 Presentation Format dil
 Dataset Creation Sun Jan 01 14:53:58 2017
 Charted by Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
Spontaneous Potential		
-100	(mV)	100

0.2	Medium Resistivity (Ohm-m)	2000

0.2	Shallow Resistivity (Ohm-m)	2000

0.2	Deep Resistivity (Ohm-m)	2000



0	Gamma Ray (GAPI)	150
Spontaneous Potential		
-100	(mV)	100

0.2	Medium Resistivity (Ohm-m)	2000

0.2	Shallow Resistivity (Ohm-m)	2000

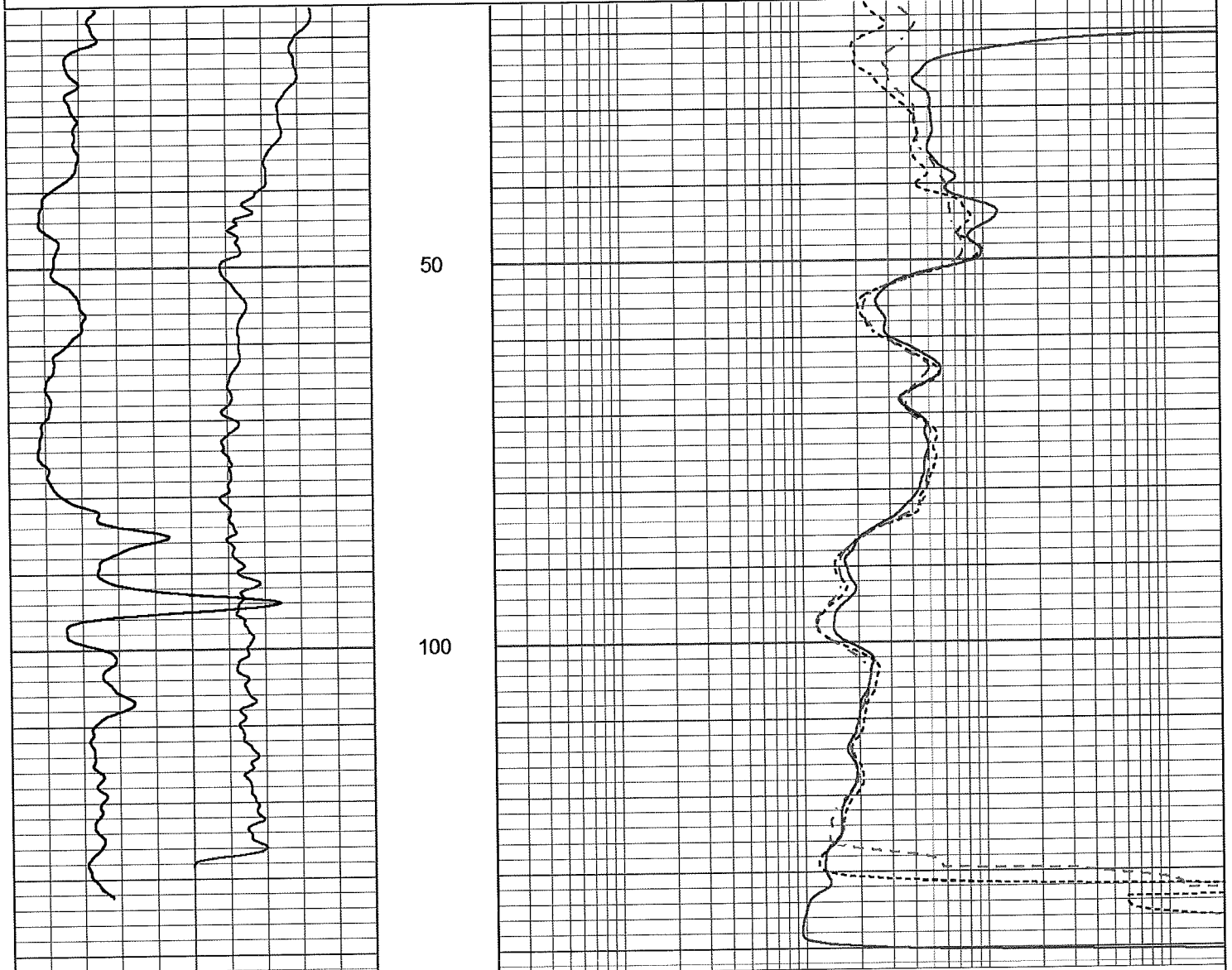
0.2	Deep Resistivity (Ohm-m)	2000



REPEAT SECTION

Database File vero_fa3.db
 Dataset Pathname pass10.1
 Presentation Format dil
 Dataset Creation Sun Jan 01 14:56:23 2017
 Charted by Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150	0.2	Medium Resistivity (Ohm-m)	2000
	Spontaneous Potential		0.2	Shallow Resistivity (Ohm-m)	2000
-100	(mV)	100	0.2	Deep Resistivity (Ohm-m)	2000



0	Gamma Ray (GAPI)	150	0.2	Medium Resistivity (Ohm-m)	2000
	Spontaneous Potential		0.2	Shallow Resistivity (Ohm-m)	2000
-100	(mV)	100	0.2	Deep Resistivity (Ohm-m)	2000

Calibration Report

Database File vero_fa3.db
 Dataset Pathname pass11.8
 Dataset Creation Sun Jan 01 14:53:58 2017

Dual Induction Calibration Report

Serial-Model:	1010-C
Surface Cal Performed:	Tue Dec 13 11:41:45 2016
Downhole Cal Performed:	Sun Jan 01 13:25:02 2017
After Survey Verification Performed:	Sun Jan 01 13:25:02 2017

Surface Calibration

Loop:	Readings				References		Results	
	Air	Loop			Air	Loop	m	b
Deep	0.002	0.620	V	0.000	400.000	mmho/m	647.787	-1.526
Medium	-0.001	0.673	V	0.000	464.000	mmho/m	688.753	0.513
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.000	0.646	V	0.000	400.000	mmho/m	619.409	-0.095
Medium	-0.000	0.750	V	0.000	464.000	mmho/m	618.254	0.064

Downhole Calibration


Internal:	Readings				References		Results	
	Zero	Cal			Zero	Cal	m	b
Deep	-1.752	414.502	mmho/m	-1.427	416.898	mmho/m	1.005	0.333
Medium	0.029	514.816	mmho/m	0.441	517.351	mmho/m	1.004	0.412
Shallow	0.027	0.416		1.000	300.000	mmho/m	767.070	-19.403

After Survey Verification

Internal:	Readings				Targets		Results	
	Zero	Cal			Zero	Cal	m'	b'
Deep	0.000	0.000	mmho/m	-1.752	414.502	mmho/m	1.005	0.333
Medium	0.000	0.000	mmho/m	0.029	514.816	mmho/m	1.004	0.412
Shallow	0.000	0.000	mmho/m	1.000	1000.000	mmho/m	1.000	0.000

Spontaneous Potential Calibration Report

Serial Number:	1010
Tool Model:	C
Performed:	Tue Dec 13 12:32:25 2016
Gain:	20.103

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
SP	15.88					

RWILD 15.88
CILD 15.88

RWILM 12.08
CILM 12.08

RWLL3 3.13
MLL3 3.13
CLL3 3.13

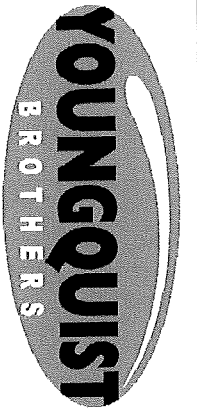
DIL-C (1010)

21.33

3.50

350.00

Dataset: vero_fa3.db: field/well/run1/pass11.8
Total length: 21.33 ft
Total weight: 350.00 lb
O.D.: 3.50 in



XY CALIPER
GAMMA RAY

Company	FP&L	Location:	API #:	Other Services
Well	FA-3	STATE ROAD 60		SEE
Field	OCEC	M.M. 5.5		COMMENTS
County	OKEECHOBEE	SEC	TWP	RGE
State	FLORIDA	Elevation		
		Permanent Datum	Elevation	
		Log Measured From	K.B.	
		Drilling Measured From	D.F.	
			G.L.	

Date	JANUARY 01, 2017									
Run Number	ONE									
Depth Driller	140'									
Depth Logger	140.5'									
Bottom Logged Interval	140.5'									
Top Log Interval	SURFACE									
Open Hole Size	12.25"									
Type Fluid	H2O									
Density / Viscosity	NA									
Max. Recorded Temp.	NA									
Estimated Cement Top	NA									
Time Well Ready	10:00 HRS									
Time Logger on Bottom	11:00 HRS									
Equipment Number	106									
Location	FT MYERS									
Recorded By	R CAUDILL									
Witnessed By	R MILLER									
Borehole Record										
Run Number	Bit	From	To	Run No	Bit	From	To			
ONE	12.25"	SURFACE	140'							
Casing Record										
Surface String	Size	Wgt/Ft		Top		Bottom				
Prot. String										
Production String										
Liner										

<<< Fold Here >>>

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Comments

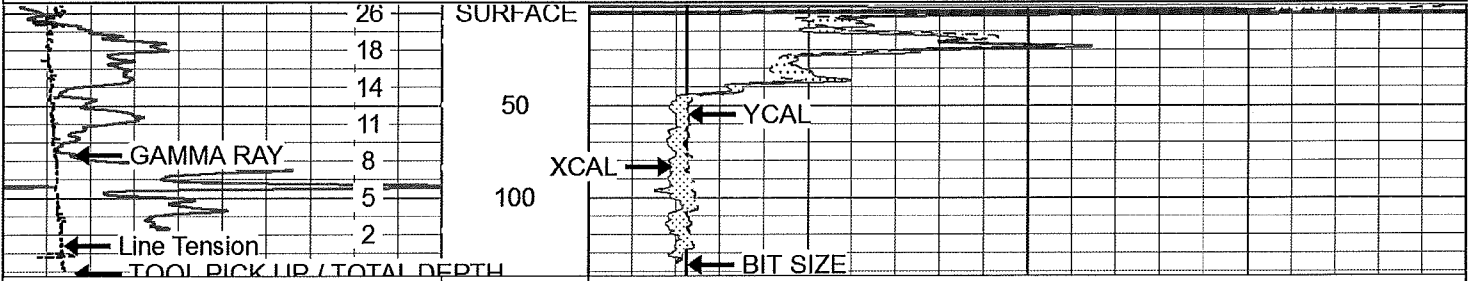
OTHER SERVICES:
DUAL INDUCTION WITH S.P.



MAIN PASS

Database File vero_fa3.db
 Dataset Pathname pass5.5
 Presentation Format grxyc
 Dataset Creation Sun Jan 01 14:36:59 2017
 Charted by Depth in Feet scaled 1:1200

0	GAMMA RAY (GAPI)	100	10	X-CALIPER (in)	30
0	LTEN (lb)	1000	10	Y-CALIPER (in)	30
-----			10	BIT SIZE (in)	30
	TBHV (bbf)				



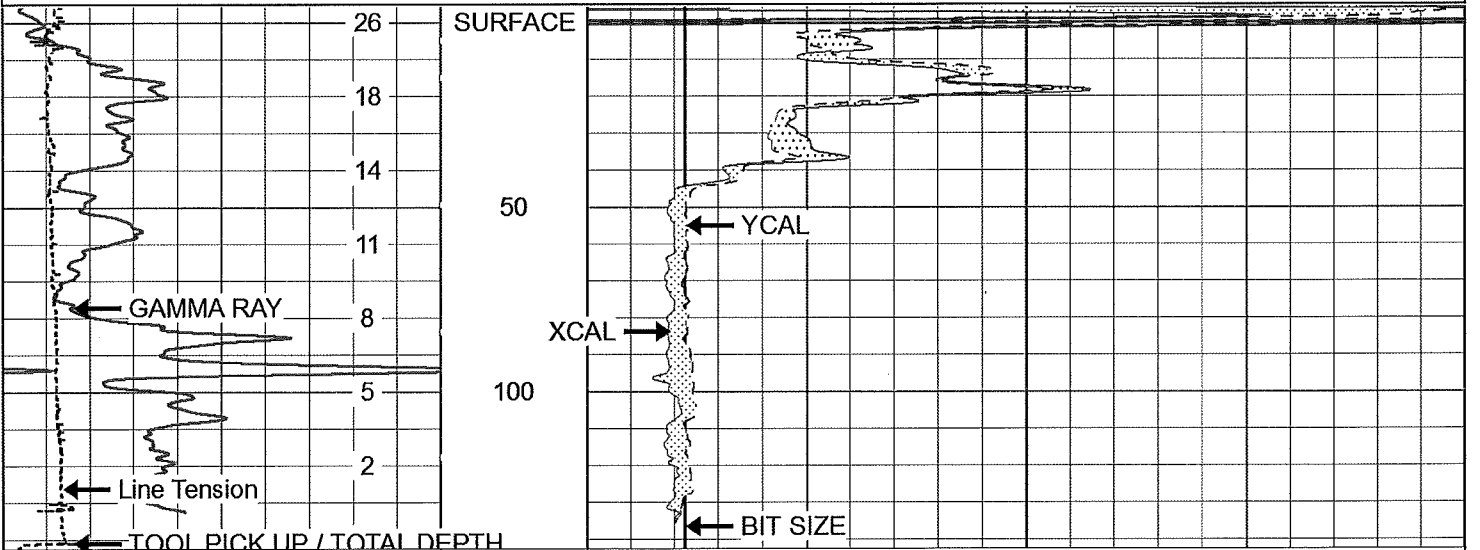
0	GAMMA RAY (GAPI)	100	10	X-CALIPER (in)	30
0	LTEN (lb)	1000	10	Y-CALIPER (in)	30
-----			10	BIT SIZE (in)	30
	TBHV (bbf)				



MAIN PASS

Database File vero_fa3.db
 Dataset Pathname pass5.5
 Presentation Format grxyc
 Dataset Creation Sun Jan 01 14:36:59 2017
 Charted by Depth in Feet scaled 1:600

0	GAMMA RAY (GAPI)	100	10	X-CALIPER (in)	30
0	LTEN (lb)	1000	10	Y-CALIPER (in)	30
-----			10	BIT SIZE (in)	30
	TBHV (bbf)				



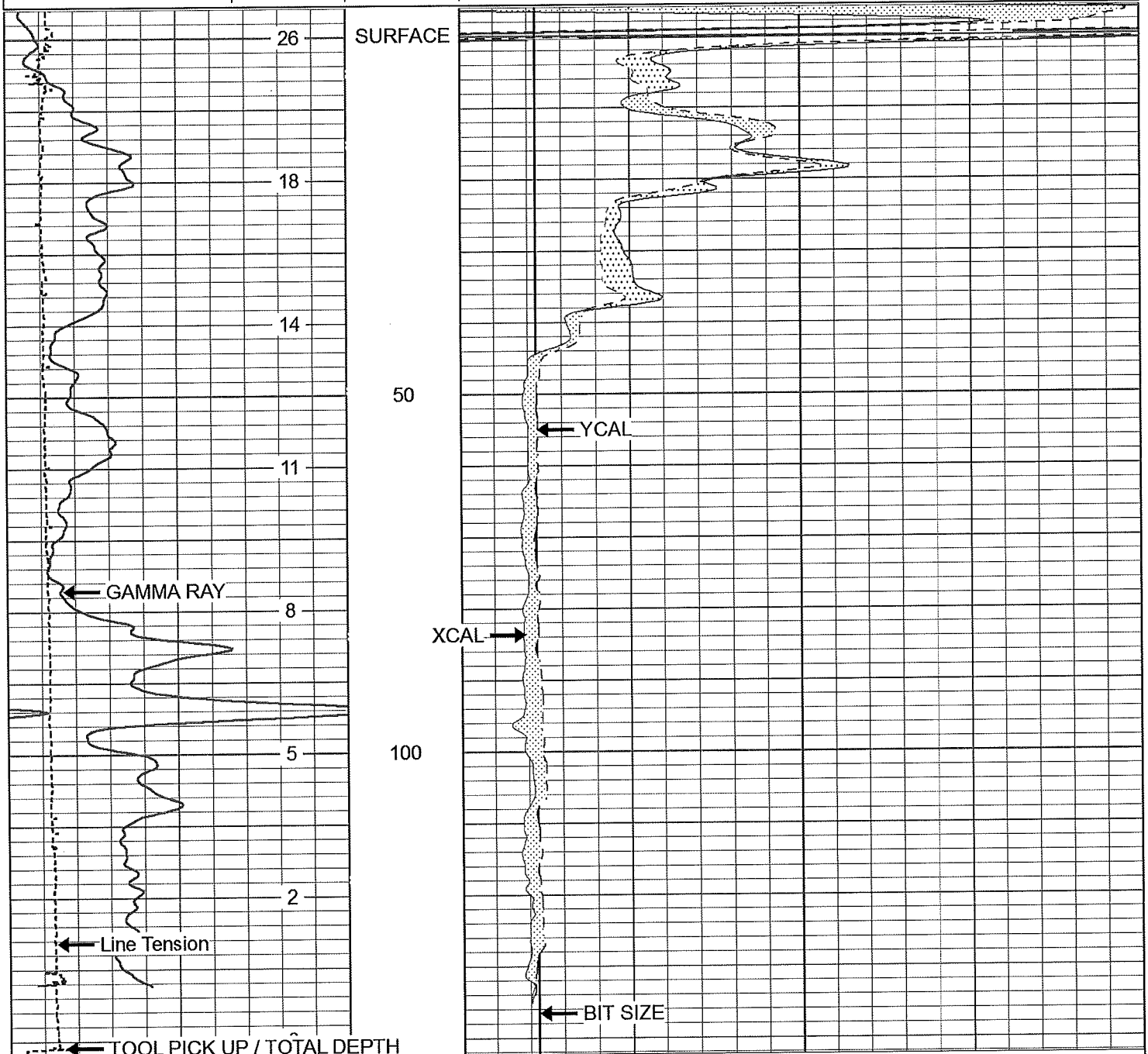
0	GAMMA RAY (GAPI)	100	10	X-CALIPER (in)	30
0	LTEN (lb)	1000	10	Y-CALIPER (in)	30
-----			10	BIT SIZE (in)	30
	TBHV (bbf)				



MAIN PASS

Database File vero_fa3.db
 Dataset Pathname pass5.5
 Presentation Format grxyc
 Dataset Creation Sun Jan 01 14:36:59 2017
 Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	100	10	X-CALIPER (in)	30
0	LTEN (lb)	1000	10	Y-CALIPER (in)	30
-----			10	BIT SIZE (in)	30
	TBHV (bbl)				



0	GAMMA RAY (GAPI)	100	10	X-CALIPER (in)	30
0	LTEN (lb)	1000	10	Y-CALIPER (in)	30
-----			10	BIT SIZE (in)	30
	TBHV (bbl)				

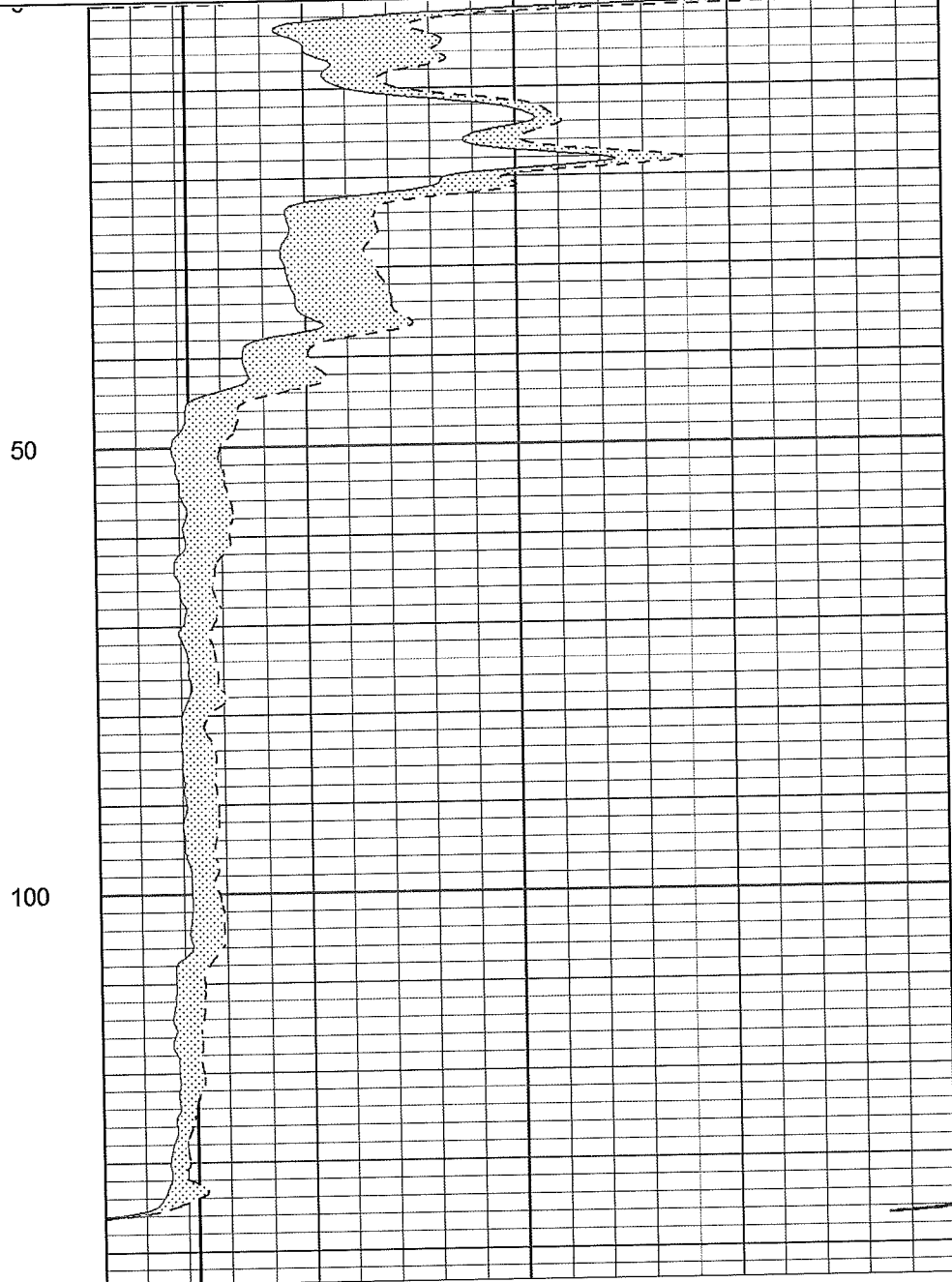
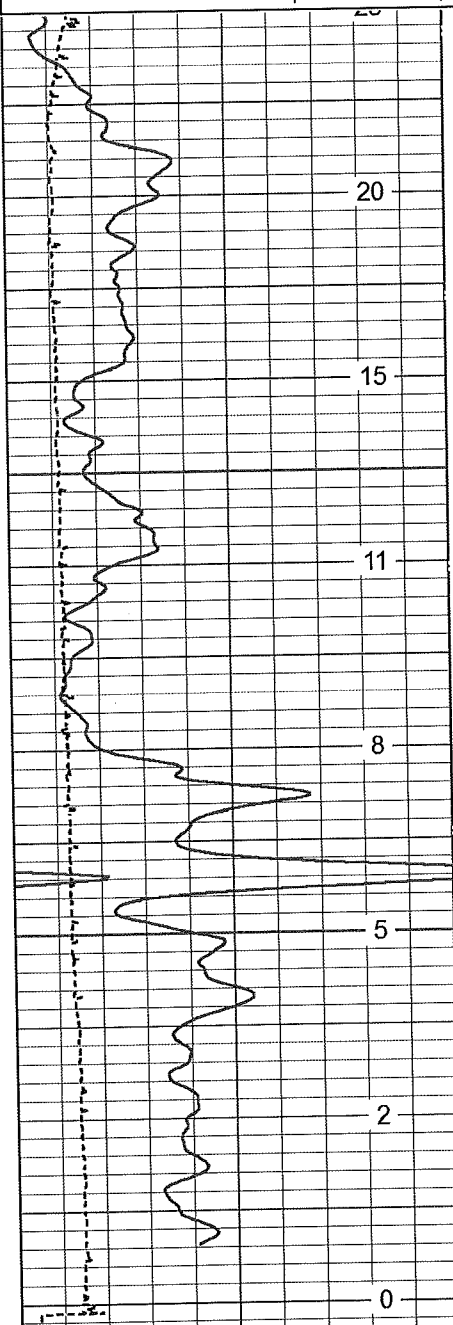


REPEAT SECTION

Database File vero_fa3.db
 Dataset Pathname pass2
 Presentation Format grxyc
 Dataset Creation Sun Jan 01 11:55:41 2017
 Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	100
0	LTEN (lb)	1000
		TBHV (bbl)

10	X-CALIPER (in)	30
10	Y-CALIPER (in)	30
10	BIT SIZE (in)	30



0	GAMMA RAY (GAPI)	100
0	LTEN (lb)	1000
		TBHV (bbl)

10	X-CALIPER (in)	30
10	Y-CALIPER (in)	30
10	BIT SIZE (in)	30

Calibration Report

Database File vero_fa3.db
 Dataset Pathname pass5.5
 Dataset Creation Sun Jan 01 14:36:59 2017

XY Caliper Calibration Report

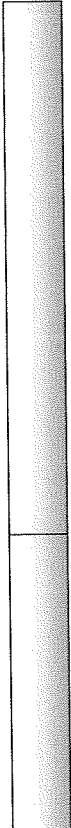
Serial Number/Model: 14XL-XYCLM
 Performed: Sun Jan 01 11:35:04 2017

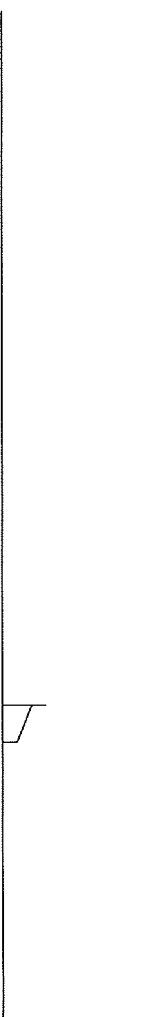

	Ring		X Caliper		Y Caliper	
1:	10.5	in	529.022	cps	446.875	cps
2:	20.5	in	695.109	cps	665.406	cps
3:	30.5	in	891.522	cps	862.174	cps
4:	71	in	1821.74	cps	1773.15	cps
5:		in		cps		cps
6:		in		cps		cps
7:		in		cps		cps
8:		in		cps		cps
9:		in		cps		cps
10:		in		cps		cps

Gamma Ray Calibration Report

Serial Number: 136
 Tool Model: GROH
 Performed: Sun Jan 01 11:48:33 2017

Calibrator Value: 69.0 GAPI
 Background Reading: 79.2 cps
 Calibrator Reading: 599.9 cps
 Sensitivity: 0.1325 GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	7.60		GR-GROH (136)	2.75	3.50	40.00

YCAL XCAL	1.50 1.50		 —XYC-XYCLM (14XL)	6.60	3.50	87.00
--------------	--------------	---	--	------	------	-------

Dataset: vero_fa3.db: field/well/run1/pass5.5
 Total length: 9.35 ft
 Total weight: 127.00 lb
 O.D.: 3.50 in



XY CALIPER
GAMMA RAY

Company	FP&L	Well	FA-3	Field	OCEC	County	OKEECHOBEE	State	FLORIDA
Location:	API # :			STATE ROAD 60 M.M. 5.5			Other Services SEE COMMENTS		
Permanent Datum	SEC	TWP	RGE	Elevation			Elevation		
Log Measured From									
Drilling Measured From									

Date	JANUARY 03, 2017									
Run Number	TWO									
Depth Driller	120'									
Depth Logger	116'									
Bottom Logged Interval	SURFACE									
Top Log Interval	SURFACE									
Open Hole Size	56.5"									
Type Fluid	H2O									
Density / Viscosity	NA									
Max. Recorded Temp.	NA									
Estimated Cement Top	NA									
Time Well Ready	13:00 HRS									
Time Logger on Bottom	14:00 HRS									
Equipment Number	106									
Location	FT MYERS									
Recorded By	R CAUDILL									
Witnessed By	C. SMITH									
Borehole Record										
Run Number	Bit	From	To	Run No	Bit	From	To			
ONE	12.25"	SURFACE	140'							
TWO	56.5"	SURFACE	120'							
Casing Record										
Size	WgUFI				Top			Bottom		
Surface String										
Prot. String										
Production String										
Liner										

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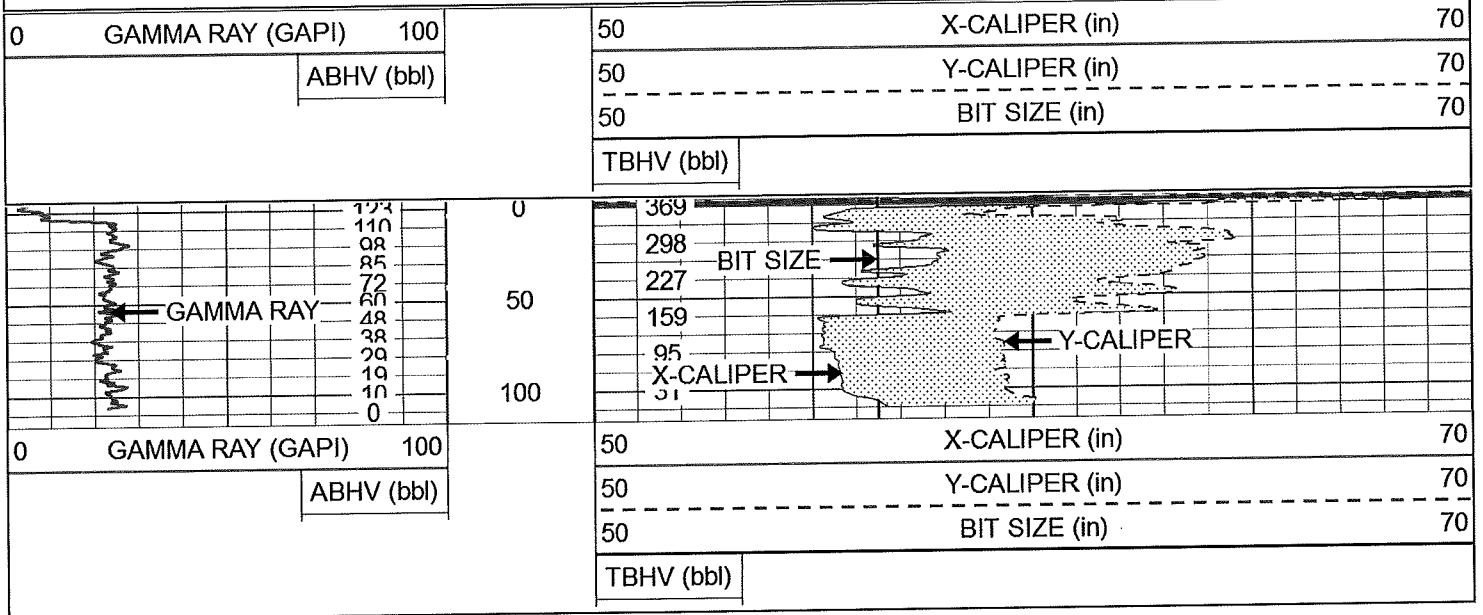
Comments

MAX ARM READING = 86"



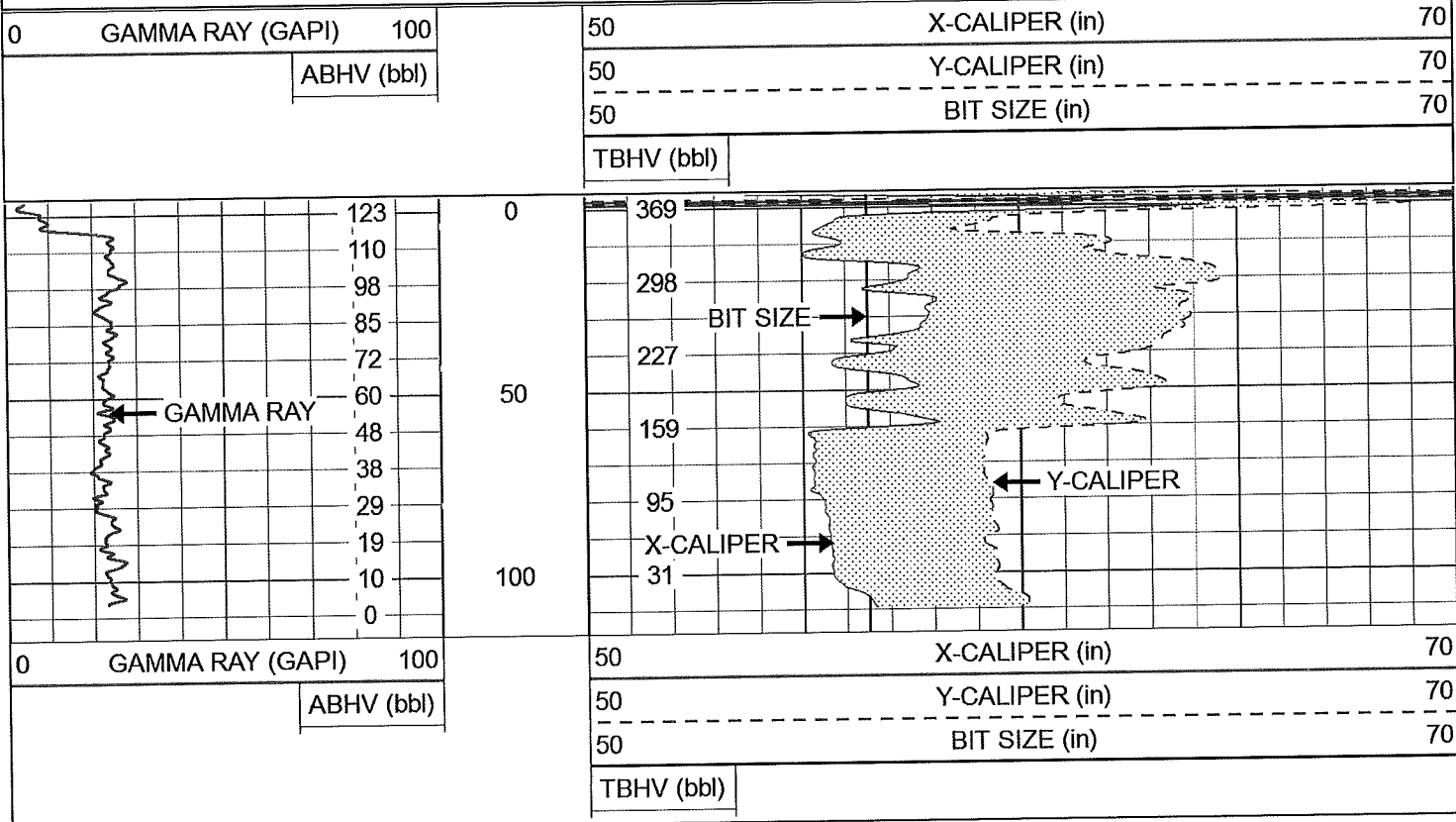
MAIN PASS

Database File vero_fa3.db
 Dataset Pathname run2/pass15.6
 Presentation Format grxy-abhv
 Dataset Creation Tue Jan 03 18:32:15 2017
 Charted by Depth in Feet scaled 1:1200



MAIN PASS

Database File vero_fa3.db
 Dataset Pathname run2/pass15.6
 Presentation Format grxy-abhv
 Dataset Creation Tue Jan 03 18:32:15 2017
 Charted by Depth in Feet scaled 1:600

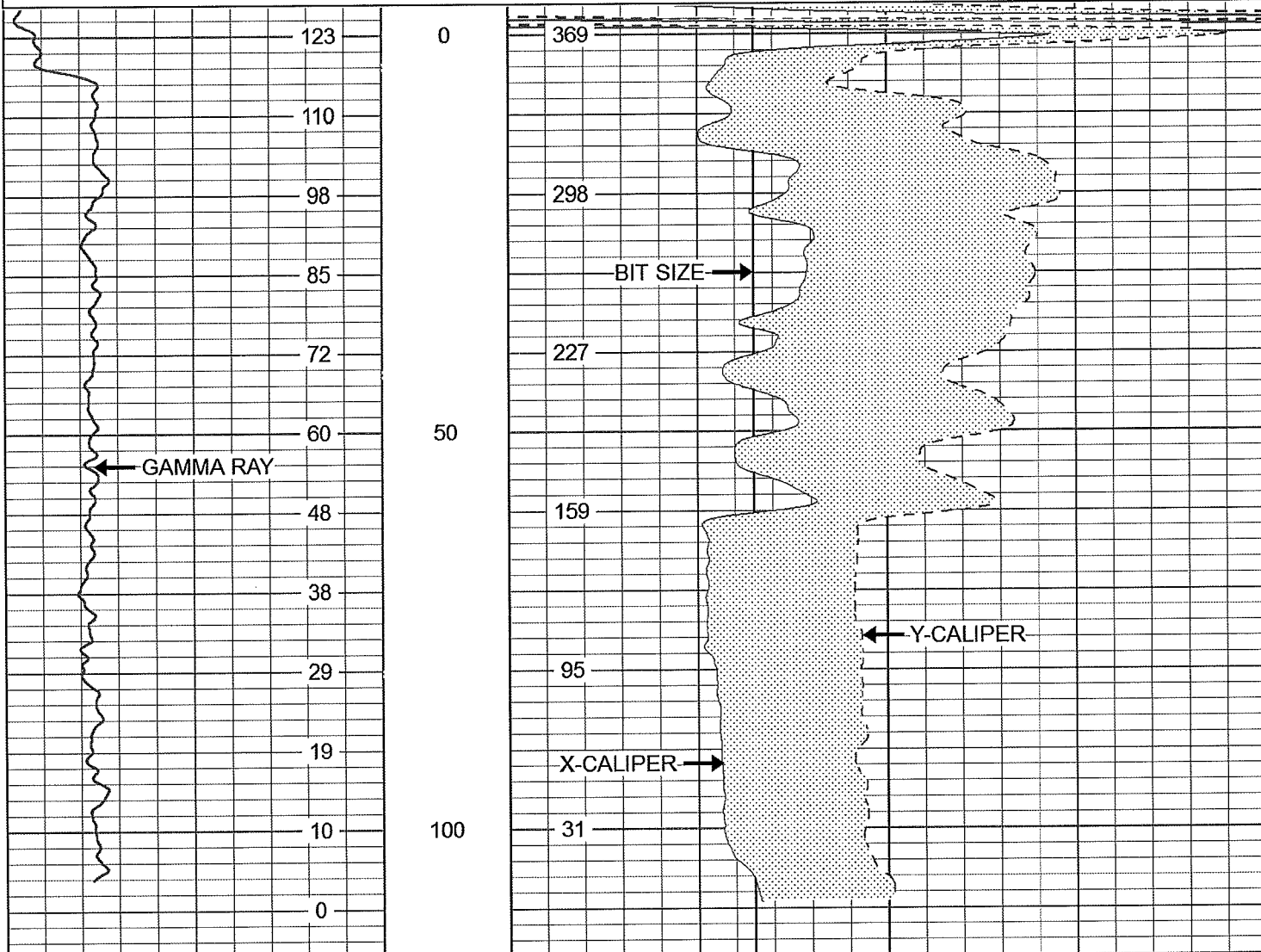




MAIN PASS

Database File vero_fa3.db
 Dataset Pathname run2/pass15.6
 Presentation Format grxy-abhv
 Dataset Creation Tue Jan 03 18:32:15 2017
 Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	100	50	X-CALIPER (in)	70
	ABHV (bbl)		50	Y-CALIPER (in)	70
			50	BIT SIZE (in)	70
			TBHV (bbl)		



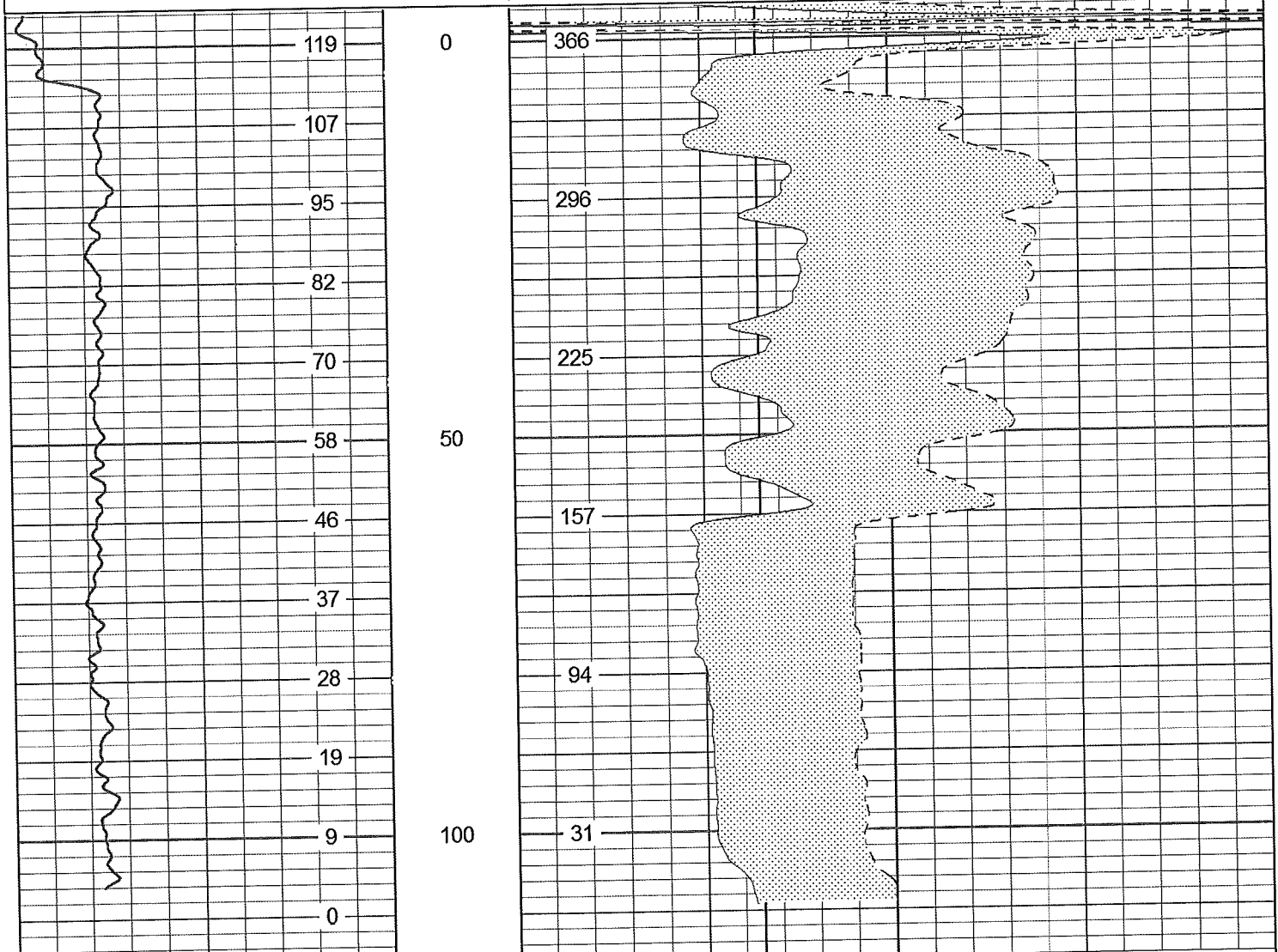
0	GAMMA RAY (GAPI)	100	50	X-CALIPER (in)	70
	ABHV (bbl)		50	Y-CALIPER (in)	70
			50	BIT SIZE (in)	70
			TBHV (bbl)		



DEDEAT SECTION

Database File vero_fa3.db
 Dataset Pathname run2/pass13
 Presentation Format grxy-abhv
 Dataset Creation Tue Jan 03 17:29:15 2017
 Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	100	50	X-CALIPER (in)	70
	ABHV (bbl)		50	Y-CALIPER (in)	70
			50	BIT SIZE (in)	70
			TBHV (bbl)		



0	GAMMA RAY (GAPI)	100	50	X-CALIPER (in)	70
	ABHV (bbl)		50	Y-CALIPER (in)	70
			50	BIT SIZE (in)	70
			TBHV (bbl)		

Calibration Report

Database File vero_fa3.db
 Dataset Pathname run2/pass15.6
 Dataset Creation Tue Jan 03 18:32:15 2017

Serial Number/Model:
Performed:

14XL-XYCLM
Tue Jan 03 16:50:13 2017

	Ring		X Caliper		Y Caliper	
1:	40	in	959.027	cps	961.622	cps
2:	50	in	1113.91	cps	1137.61	cps
3:	60	in	1302.02	cps	1337.41	cps
4:	70	in	1472.5	cps	1591.96	cps
5:		in		cps		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

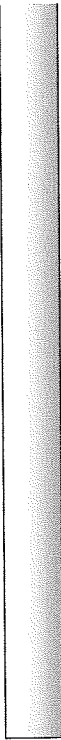
Serial Number: 136
Tool Model: GROH
Performed: Sun Jan 01 11:48:33 2017

Calibrator Value: 69.0 GAPI

Background Reading: 79.2 cps
Calibrator Reading: 599.9 cps

Sensitivity: 0.1325 GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	7.60		GR-GROH (136)	2.75	3.50	40.00

YCAL	1.50		XYC-XYCLM (14XL)	6.60	3.50	87.00
XCAL	1.50					

Dataset: vero_fa3.db: field/well/run2/pass15.6
 Total length: 9.35 ft
 Total weight: 127.00 lb
 O.D.: 3.50 in



DUAL INDUCTION
GAMMA RAY
SP

Company FP&L
Well FA-3
Field OCEC
County OKEECHOBEE
State FLORIDA

Company FP&L
Well FA-3
Field OCEC
County OKEECHOBEE State FLORIDA

Location: API #: STATE ROAD 60
M.M. 5.5
SEC TWP RGE
Permanent Datum Elevation
Log Measured From
Drilling Measured From
Other Services
SEE COMMENTS
Elevation
K.B.
D.F.
G.L.

Date	JANUARY 07, 2017			
Run Number	THREE			
Depth Driller	420'			
Depth Logger	418'			
Bottom Logged Interval	418'			
Top Log Interval	100'			
Open Hole Size	12.25"			
Type Fluid	H2O			
Density / Viscosity	NA			
Max. Recorded Temp.	NA			
Estimated Cement Top	NA			
Time Well Ready	09:00 HRS			
Time Logger on Bottom	09:15 HRS			
Equipment Number	106			
Location	FT MYERS			
Recorded By	R CAUDILL			
Witnessed By	R MILLER			
Borehole Record		Borehole Record		
Run Number	Bit	From	To	Run No
ONE	12.25"	SURFACE	140'	
TWO	56.5"	SURFACE	120'	
THREE	12.25"	113'	420'	
Casing Record	Size	Wgt/Lf	Top	Bottom
Surface String	48"	0.375"W.T.	SURFACE	116.6'
Prot. String				
Production String				
Liner				

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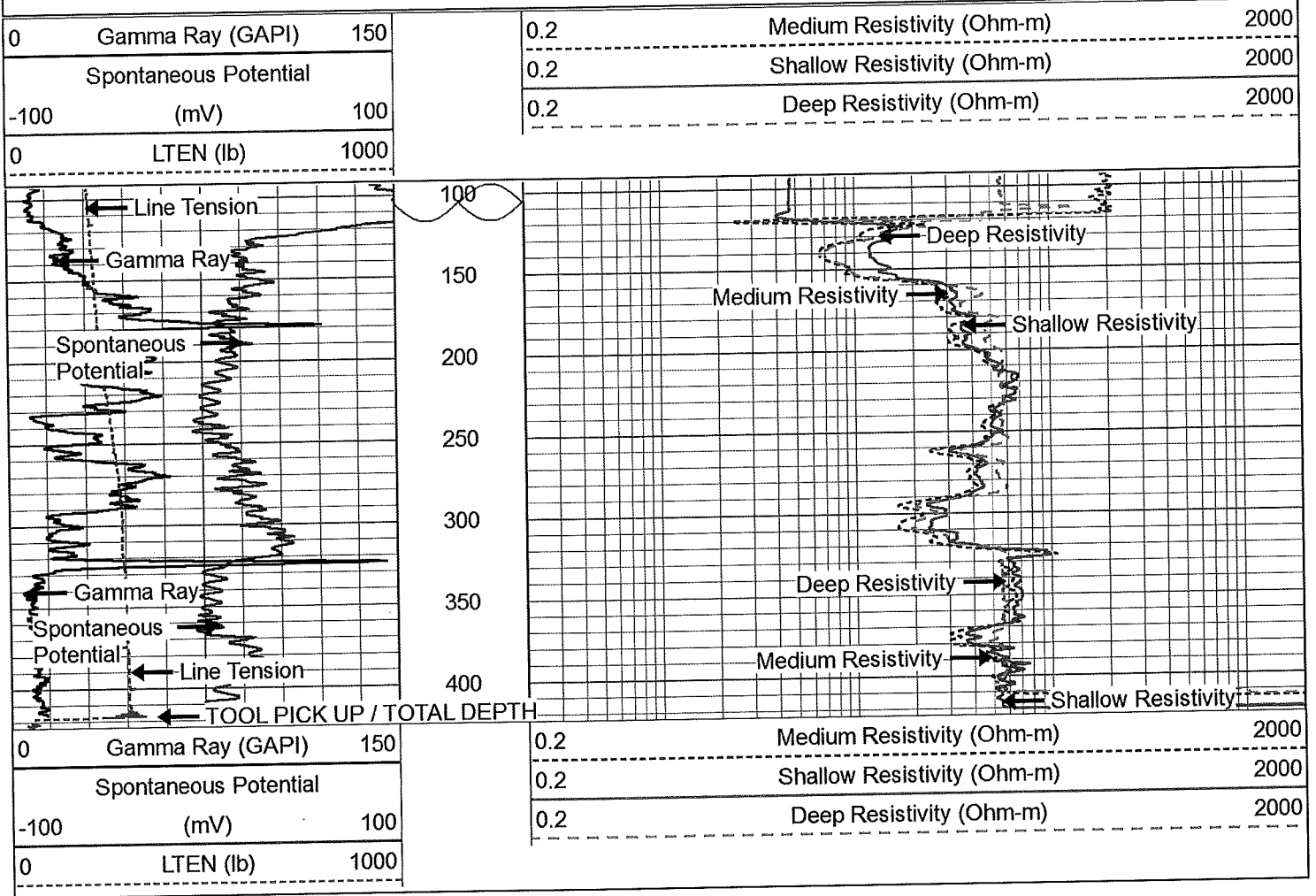
Comments

OTHER SERVICES RAN =
XY CALIPER AND GAMMA RAY



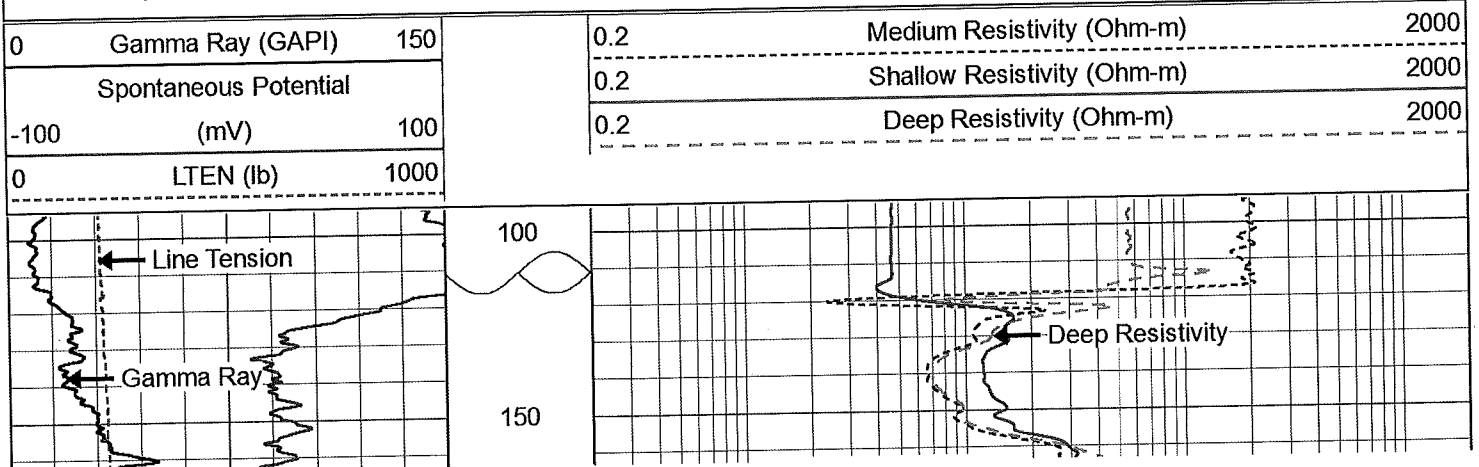
MAIN PASS

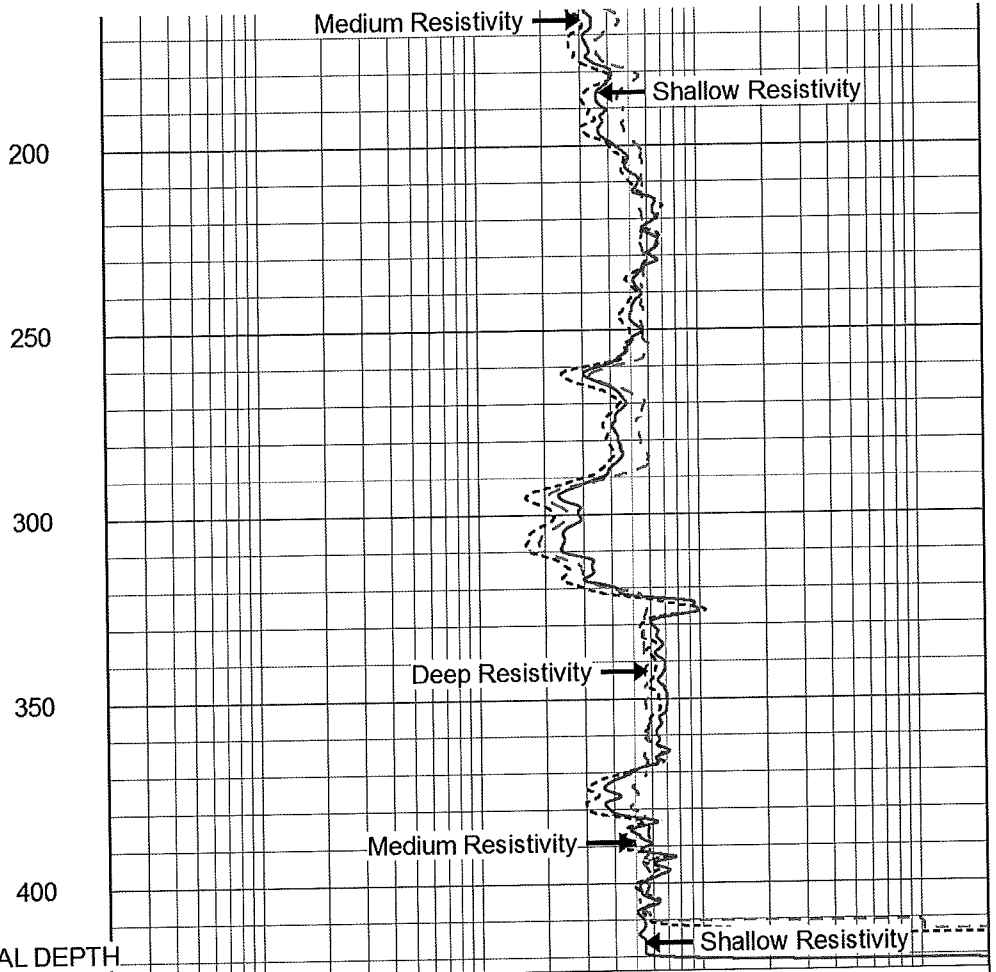
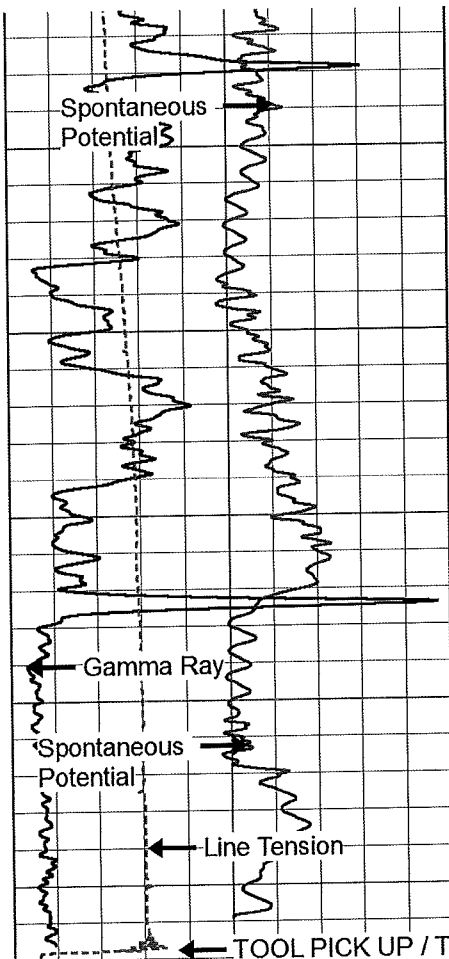
Database File vero_fa3.db
 Dataset Pathname run3/pass4.15
 Presentation Format dil
 Dataset Creation Sat Jan 07 11:02:59 2017
 Charted by Depth in Feet scaled 1:1200



MAIN PASS

Database File vero_fa3.db
 Dataset Pathname run3/pass4.15
 Presentation Format dil
 Dataset Creation Sat Jan 07 11:02:59 2017
 Charted by Depth in Feet scaled 1:600





0	Gamma Ray (GAPI)	150
-100	Spontaneous Potential (mV)	100
0	LTEN (lb)	1000

0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
0.2	Deep Resistivity (Ohm-m)	2000

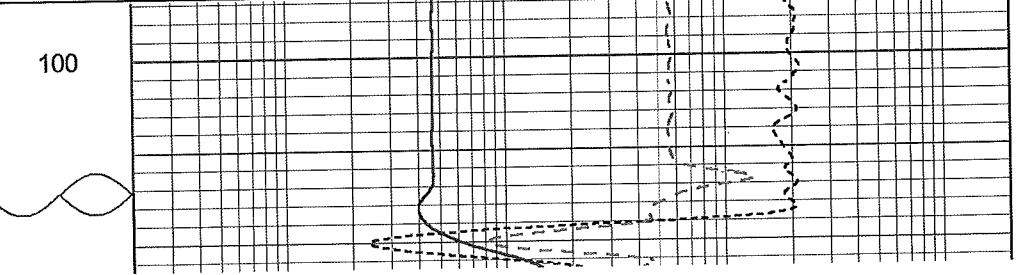
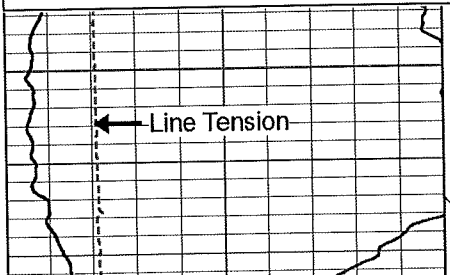


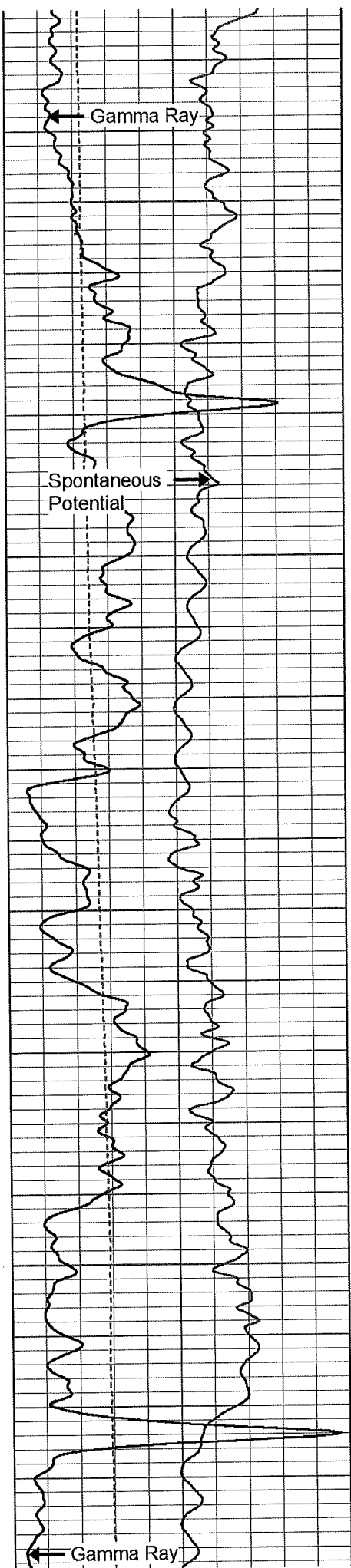
MAIN PASS

Database File: vero_fa3.db
 Dataset Pathname: run3/pass4.15
 Presentation Format: dil
 Dataset Creation: Sat Jan 07 11:02:59 2017
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
-100	Spontaneous Potential (mV)	100
0	LTEN (lb)	1000

0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
0.2	Deep Resistivity (Ohm-m)	2000



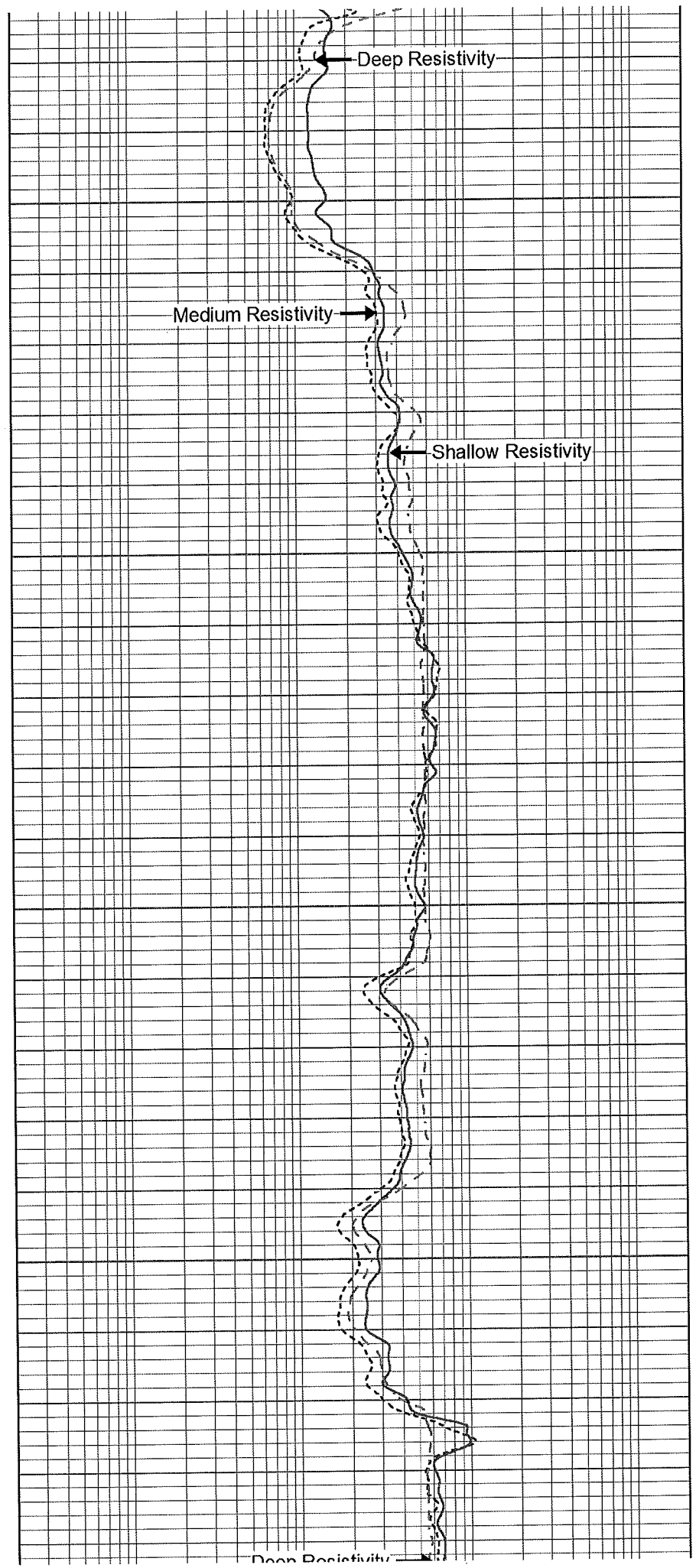


150

200

250

300

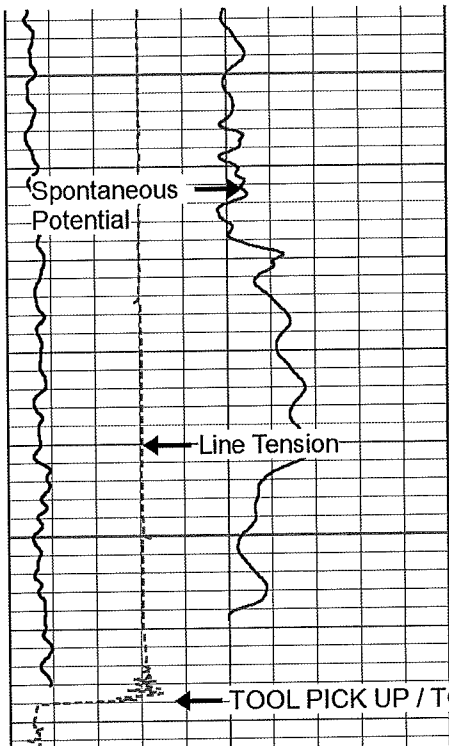


Deep Resistivity

Medium Resistivity

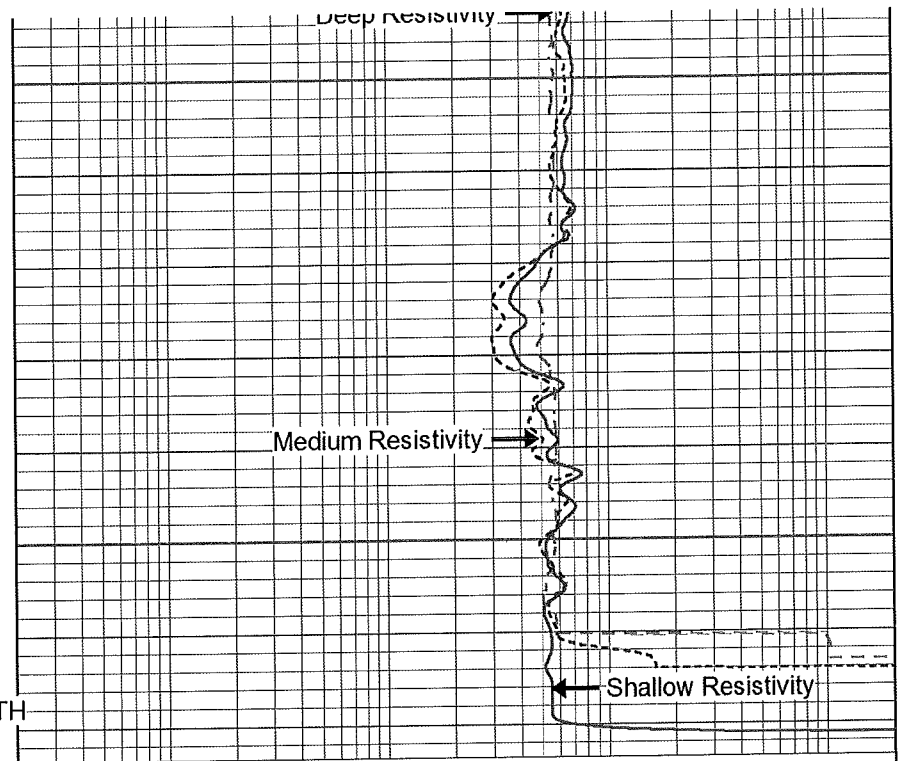
Shallow Resistivity

Deep Resistivity



350

400



0	Gamma Ray (GAPI)	150
Spontaneous Potential		
-100	(mV)	100
0	LTEN (lb)	1000

0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
0.2	Deep Resistivity (Ohm-m)	2000

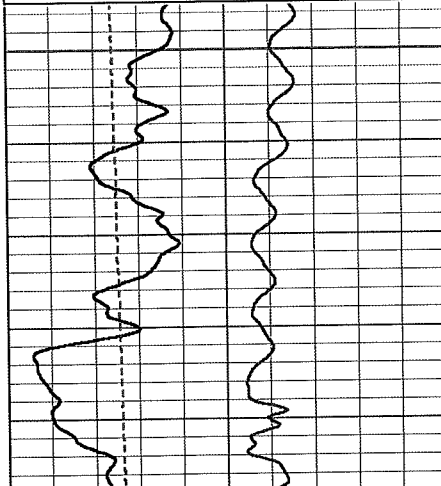


REPEAT SECTION

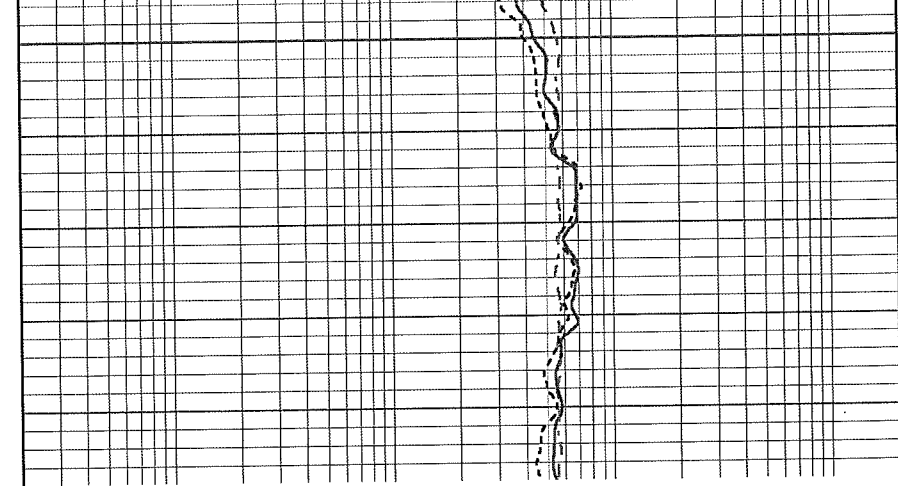
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 Dataset Pathname run3/pass3.1
 Presentation Format dil
 Dataset Creation Sat Jan 07 11:06:43 2017
 Charted by Depth in Feet scaled 1:240

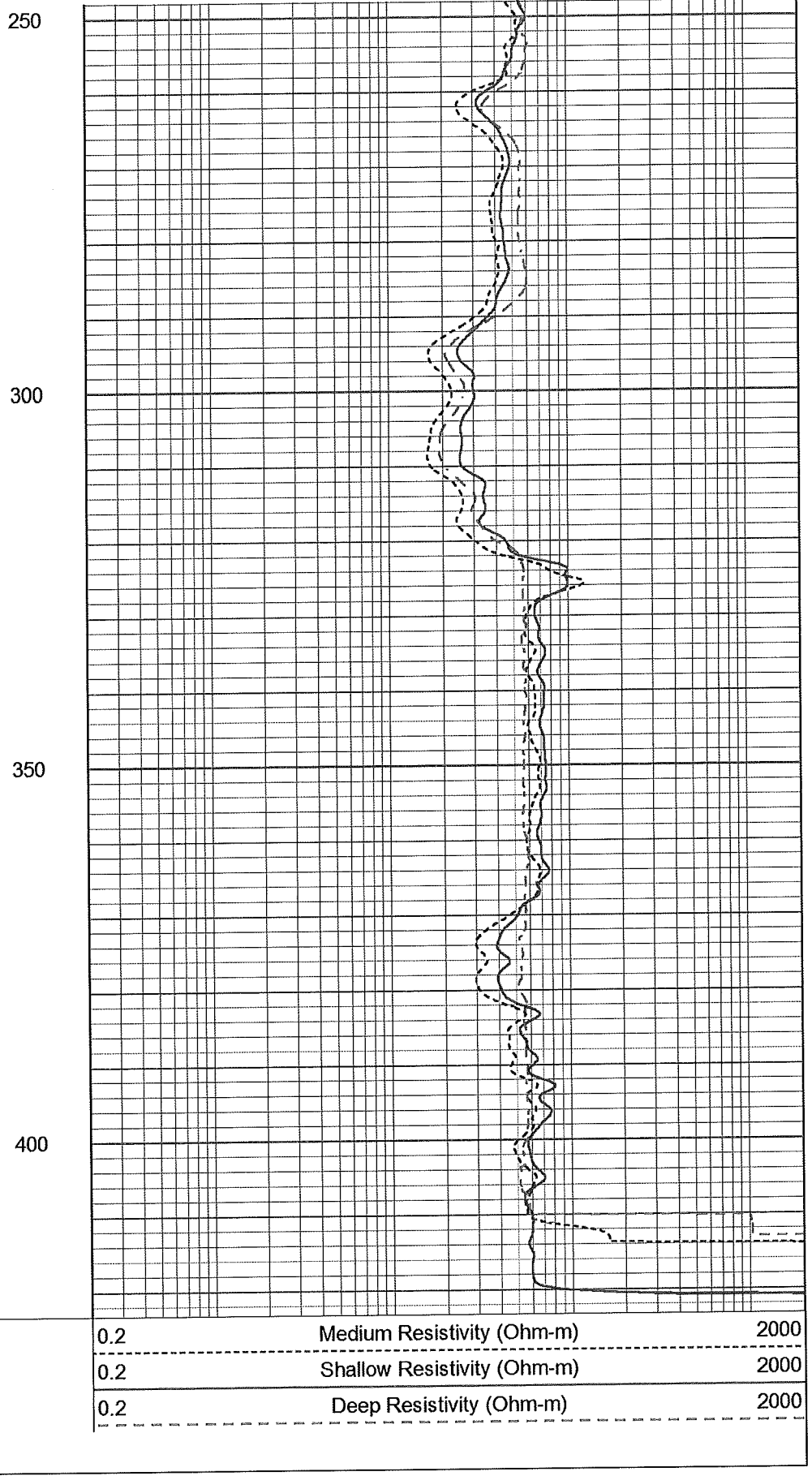
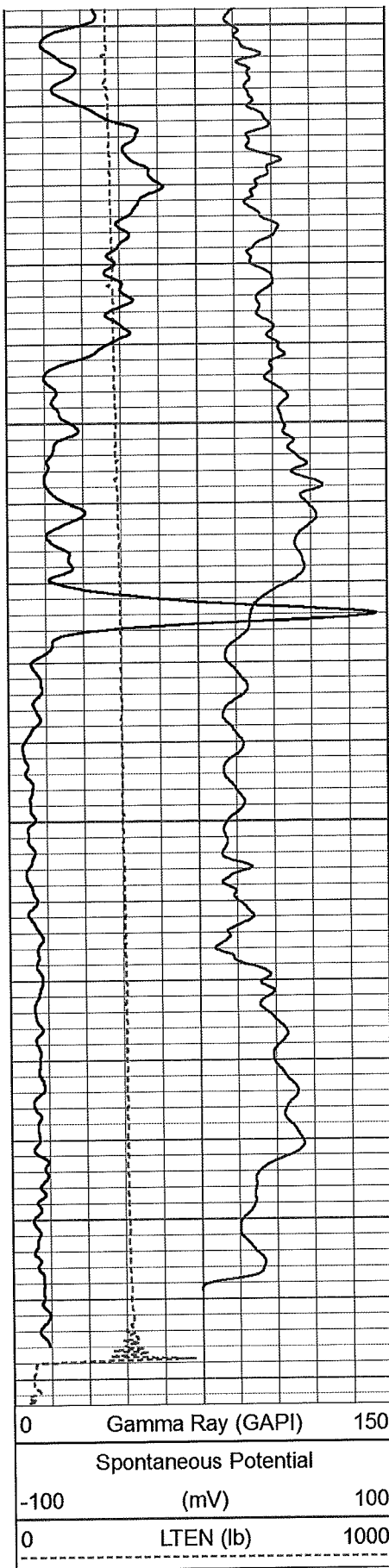
0	Gamma Ray (GAPI)	150
Spontaneous Potential		
-100	(mV)	100
0	LTEN (lb)	1000

0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
0.2	Deep Resistivity (Ohm-m)	2000



200





Calibration Report

Database File vero_fa3.db
 Dataset Pathname run3/pass4.15
 Dataset Creation Sat Jan 07 11:02:59 2017

Dual Induction Calibration Report

Serial-Model: 1010-C
 Surface Cal Performed: Tue Dec 13 11:41:45 2016
 Downhole Cal Performed: Sat Jan 07 10:00:39 2017
 After Survey Verification Performed: Sat Jan 07 10:00:39 2017

Surface Calibration

Loop:	Readings				References		Results	
	Air	Loop			Air	Loop	m	b
Deep	0.002	0.620	V	0.000	400.000	mmho/m	647.787	-1.526
Medium	-0.001	0.673	V	0.000	464.000	mmho/m	688.753	0.513
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.000	0.646	V	0.000	400.000	mmho/m	619.409	-0.095
Medium	-0.000	0.750	V	0.000	464.000	mmho/m	618.254	0.064

Downhole Calibration


Internal:	Readings				References		Results	
	Zero	Cal			Zero	Cal	m	b
Deep	-1.534	416.610	mmho/m	-1.427	416.898	mmho/m	1.000	0.107
Medium	0.181	516.628	mmho/m	0.441	517.351	mmho/m	1.001	0.260
Shallow	0.013	0.415		1.000	130.000	mmho/m	320.962	-3.306

After Survey Verification

Internal:	Readings				Targets		Results	
	Zero	Cal			Zero	Cal	m'	b'
Deep	0.000	0.000	mmho/m	-1.534	416.610	mmho/m	1.000	0.107
Medium	0.000	0.000	mmho/m	0.181	516.628	mmho/m	1.001	0.260
Shallow	0.000	0.000	mmho/m	1.000	300.000	mmho/m	1.000	0.000

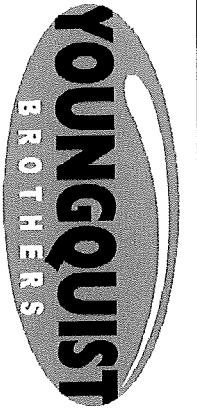
Spontaneous Potential Calibration Report

Serial Number: 1010
 Tool Model: C
 Performed: Tue Dec 13 12:32:25 2016
 Gain: 20.103

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
SP	15.88					
RWII D	15.88					

CILD	15.88				
RWILM CILM	12.08 12.08				
			DIL-C (1010)	21.33	3.50
					350.00
RWLL3 MLL3 CLL3	3.13 3.13 3.13				

Dataset: vero_fa3.db: field/well/run3/pass4.15
 Total length: 21.33 ft
 Total weight: 350.00 lb
 O.D.: 3.50 in



XY CALIPER
GAMMA RAY

Company	FP&L	Location:	API #:	Other Services
Well	FA-3	STATE ROAD 60		SEE
Field	OCEC	M.M. 5.5		COMMENTS
County	OKEECHOBEE	SEC	TWP	RGE
State	FLORIDA	Elevation		Elevation
		Permanent Datum		
		Log Measured From		
		Drilling Measured From		

Date	JANUARY 07, 2017				
Run Number	THREE				
Depth Driller	420'				
Depth Logger	418'				
Bottom Logged Interval	418'				
Top Log Interval	100'				
Open Hole Size	12.25"				
Type Fluid	H2O				
Density / Viscosity	NA				
Max. Recorded Temp.	NA				
Estimated Cement Top	NA				
Time Well Ready	09:00 HRS				
Time Logger on Bottom	09:15 HRS				
Equipment Number	106				
Location	FT MYERS				
Recorded By	R CAUDILL				
Witnessed By	R MILLER				
Borehole Record			Borehole Record		
Run Number	Bit	From	To	Run No	To
ONE	12.25"	SURFACE	140'		
TWO	56.5"	SURFACE	120'		
THREE	12.25"	113'	420'		
Casing Record	Size	Wd/Wt	Bottom		
Surface String	48"	0.375"W.T.	116.6'		
Prot. String					
Production String					
Liner					

<<< Fold Here >>>

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Comments

MAX ARM READING = 46"

OTHER SERVICES RAN =

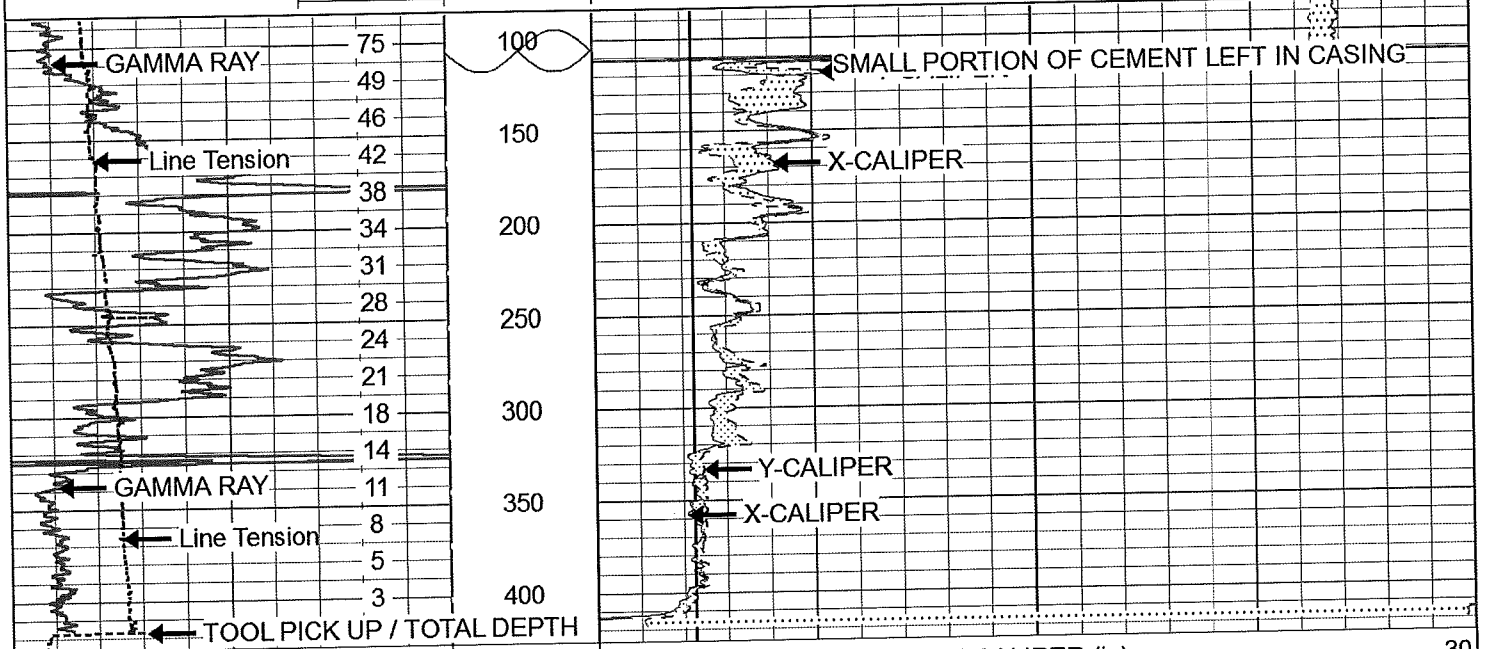
DUAL INDUCTION WITH SP AND GAMMA RAY



MAIN PASS

Database File vero_fa3.db
 Dataset Pathname run3/pass2
 Presentation Format grxc
 Dataset Creation Sat Jan 07 09:26:58 2017
 Charted by Depth in Feet scaled 1:1200

0	GAMMA RAY (GAPI)	100	10	X-CALIPER (in)	30
0	LTEN (lb)	1000	10	Y-CALIPER (in)	30
		TBHV (bbl)	10	BIT SIZE (in)	30



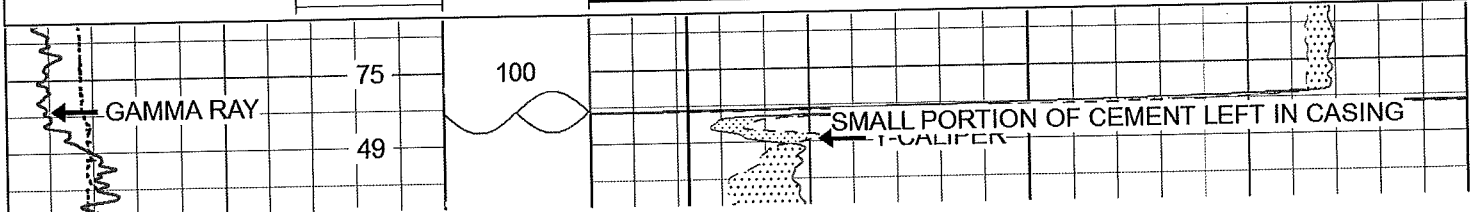
0	GAMMA RAY (GAPI)	100	10	X-CALIPER (in)	30
0	LTEN (lb)	1000	10	Y-CALIPER (in)	30
		TBHV (bbl)	10	BIT SIZE (in)	30

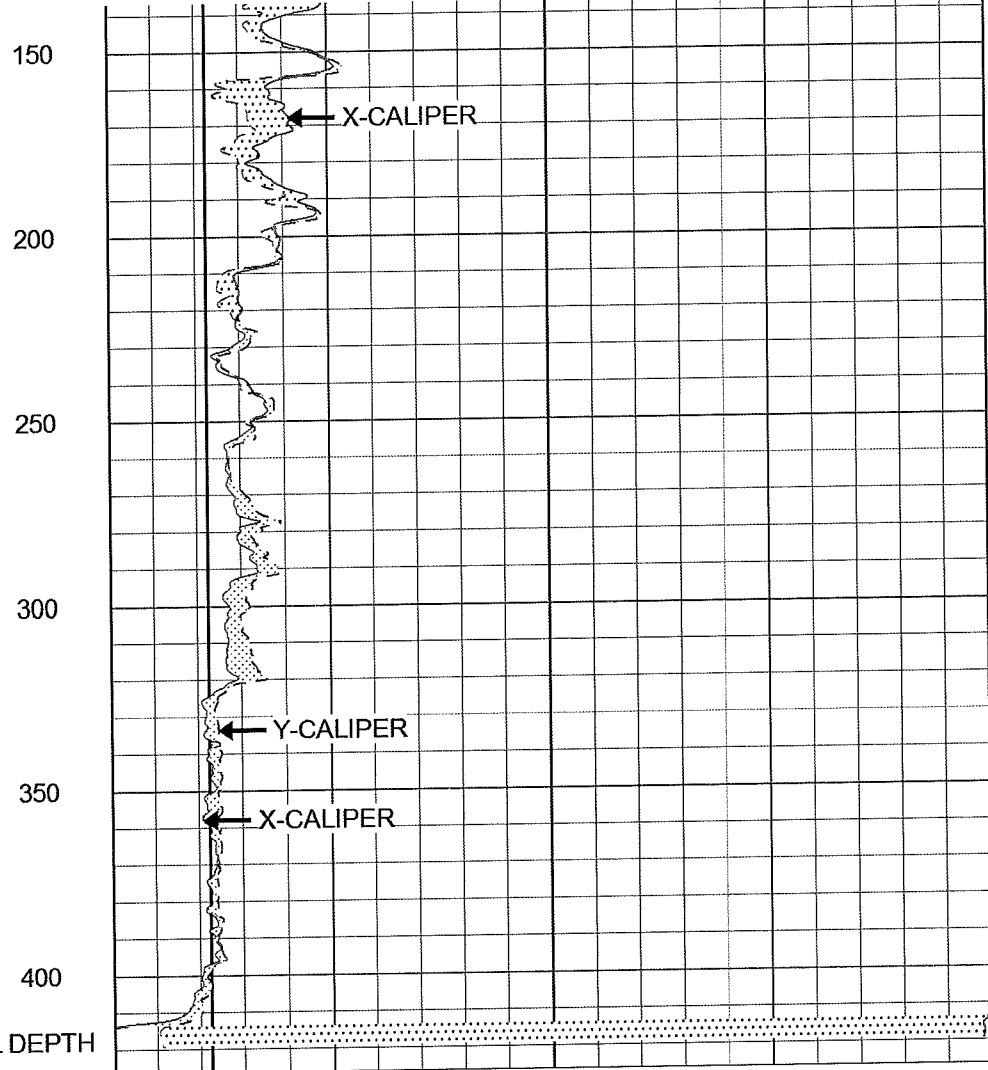
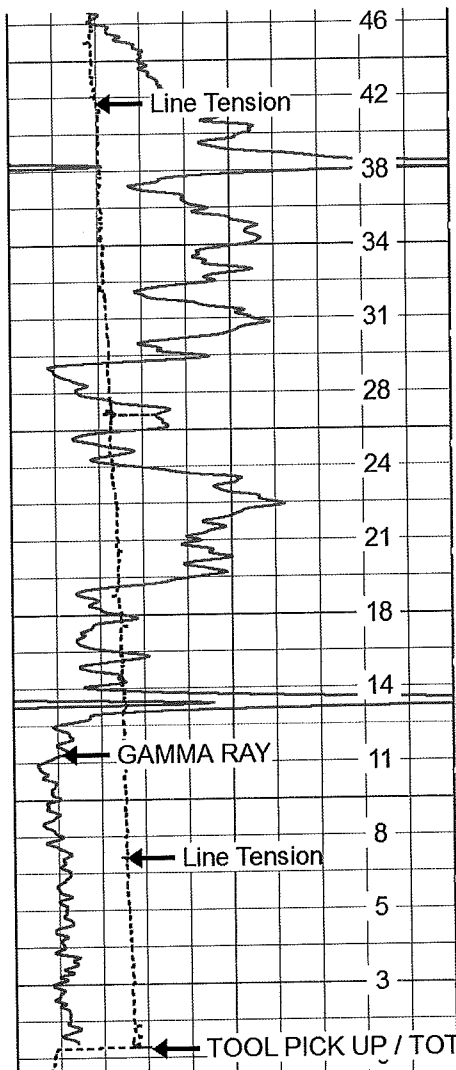


MAIN PASS

Database File vero_fa3.db
 Dataset Pathname run3/pass2
 Presentation Format grxc
 Dataset Creation Sat Jan 07 09:26:58 2017
 Charted by Depth in Feet scaled 1:600

0	GAMMA RAY (GAPI)	100	10	X-CALIPER (in)	30
0	LTEN (lb)	1000	10	Y-CALIPER (in)	30
		TBHV (bbl)	10	BIT SIZE (in)	30





0	GAMMA RAY (GAPI)	100
0	LTEN (lb)	1000
		TBHV (bbl)

10	X-CALIPER (in)	30
10	Y-CALIPER (in)	30
10	BIT SIZE (in)	30

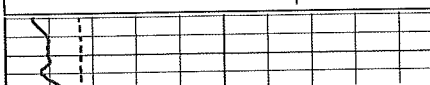


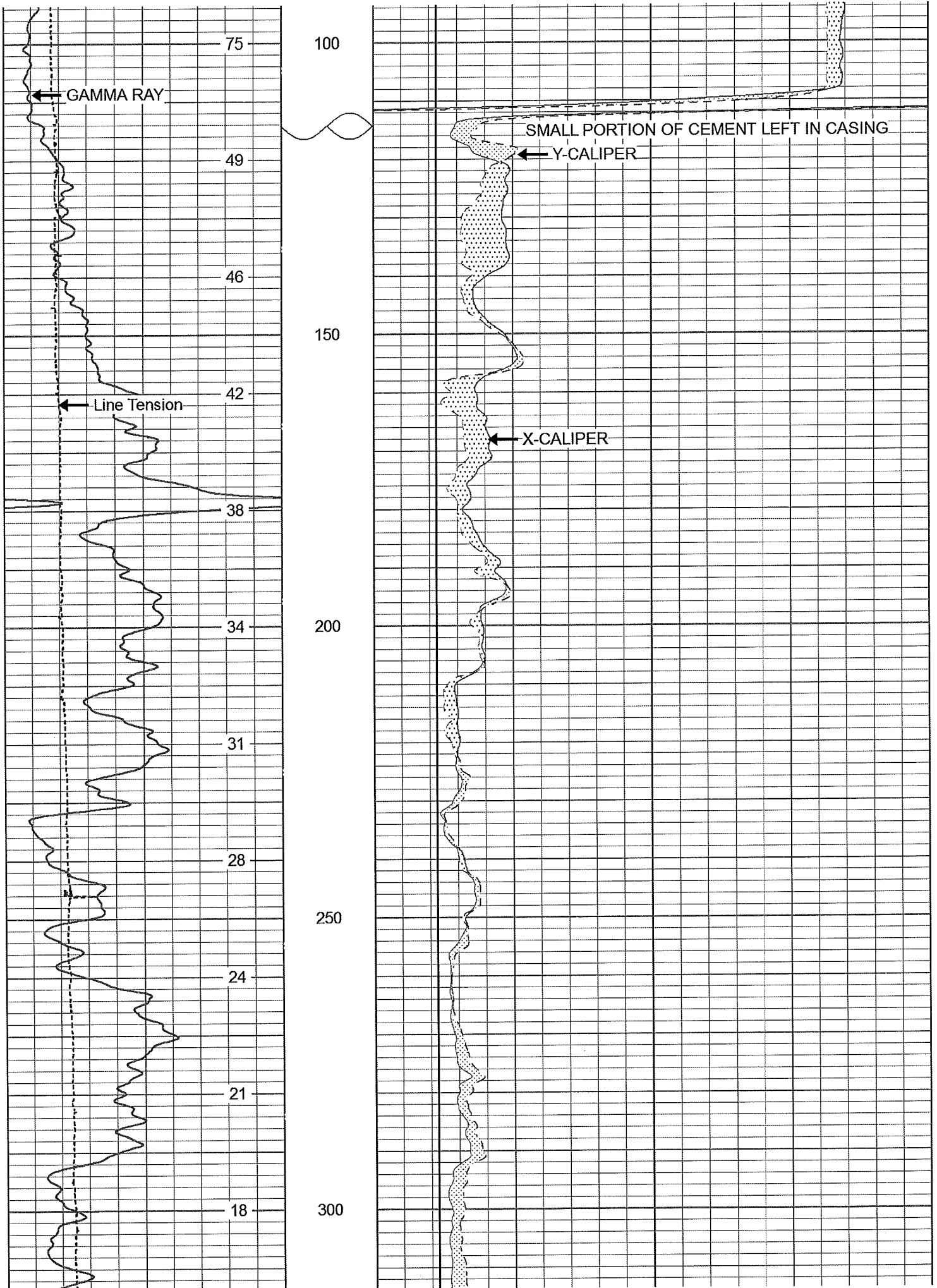
MAIN PASS

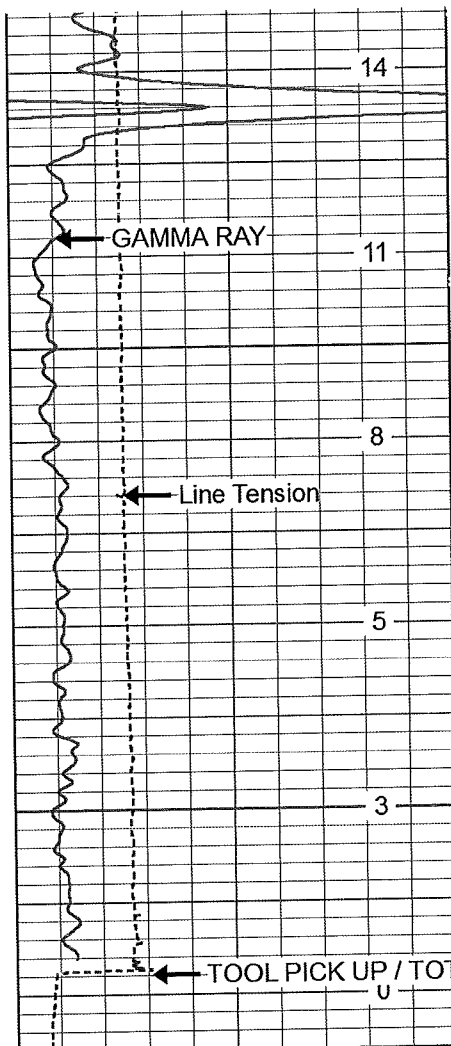
Database File vero_fa3.db
 Dataset Pathname run3/pass2
 Presentation Format grxc
 Dataset Creation Sat Jan 07 09:26:58 2017
 Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	100
0	LTEN (lb)	1000
		TBHV (bbl)

10	X-CALIPER (in)	30
10	Y-CALIPER (in)	30
10	BIT SIZE (in)	30

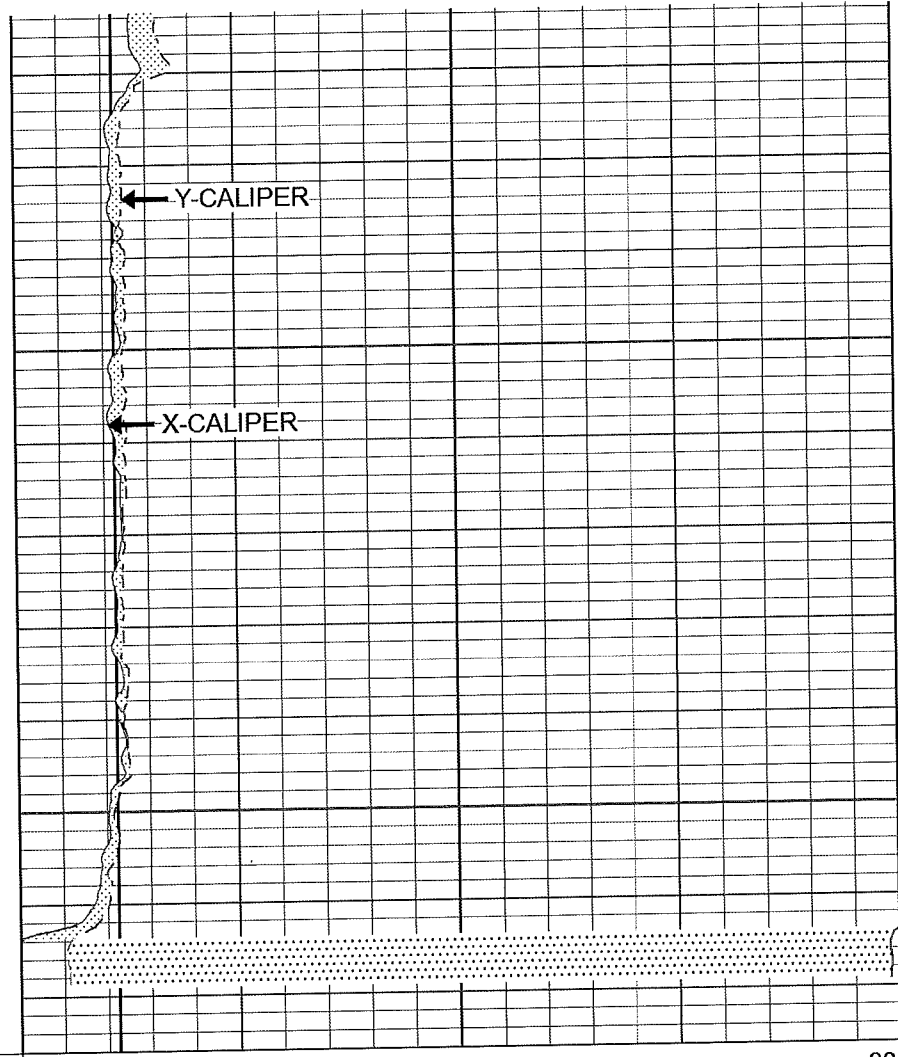






350

400



0	GAMMA RAY (GAPI)	100
0	LTEN (lb)	1000
		TBHV (bbf)

10	X-CALIPER (in)	30
10	Y-CALIPER (in)	30
10	BIT SIZE (in)	30

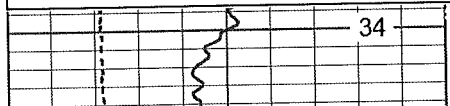


REPEAT SECTION

Database File vero_fa3.db
 Dataset Pathname run3/pass1.1
 Presentation Format grxc
 Dataset Creation Sat Jan 07 09:32:06 2017
 Charted by Depth in Feet scaled 1:240

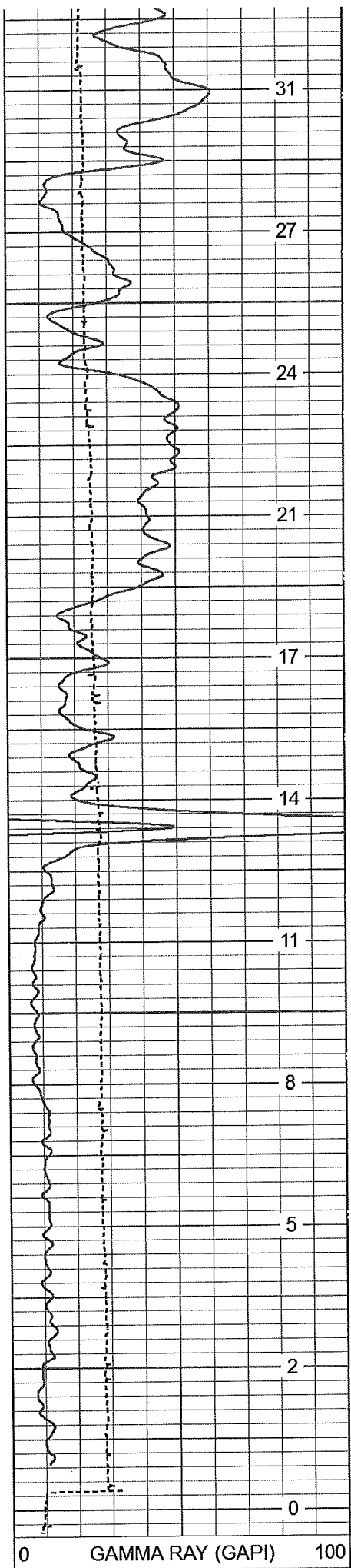
0	GAMMA RAY (GAPI)	100
0	LTEN (lb)	1000
		TBHV (bbf)

10	X-CALIPER (in)	30
10	Y-CALIPER (in)	30
10	BIT SIZE (in)	30



200



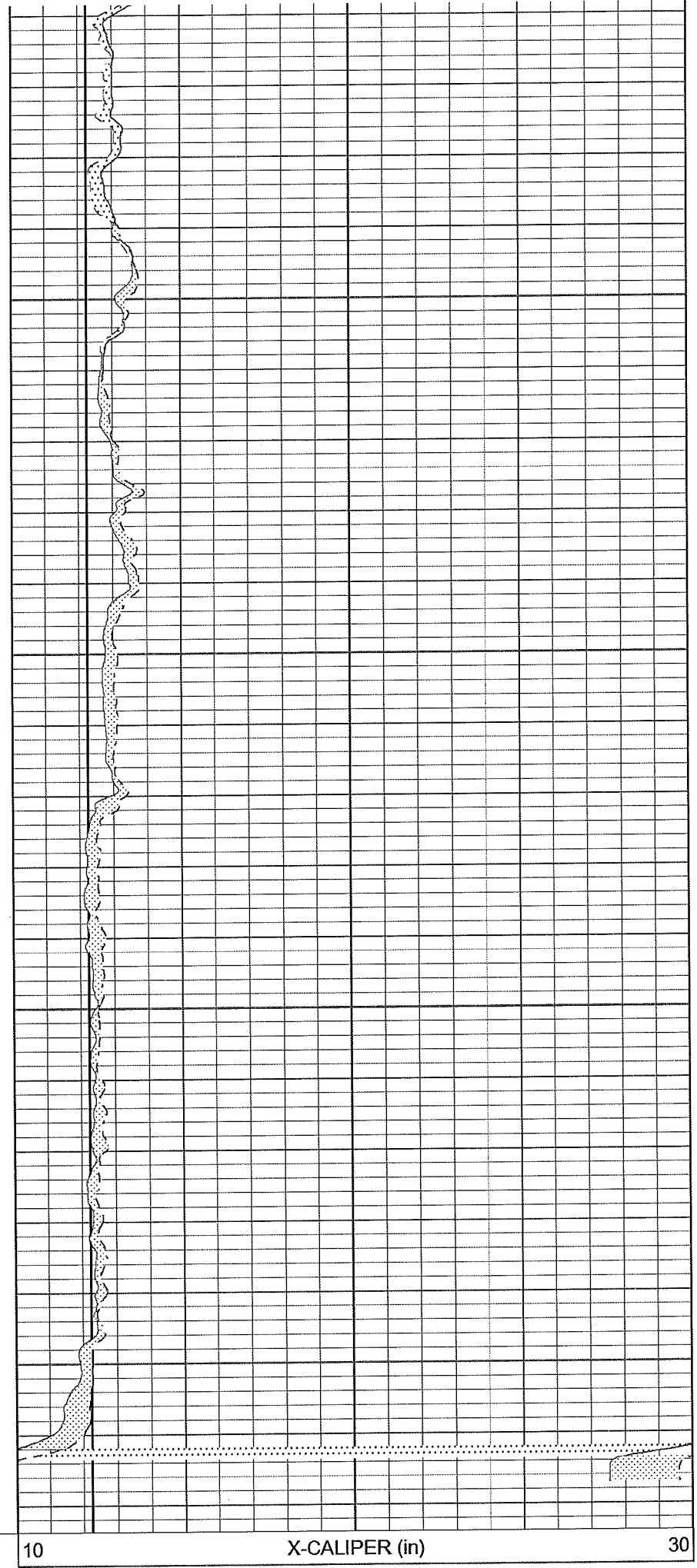


250

300

350

400



30

0	LTEN (lb)	1000	10	Y-CALIPER (in)	30
	TBHV (bb)		10	BIT SIZE (in)	30

Calibration Report

Database File vero_fa3.db
 Dataset Pathname run3/pass2
 Dataset Creation Sat Jan 07 09:26:58 2017

XY Caliper Calibration Report

Serial Number/Model: 46LM-XYCLM
 Performed: Sat Jan 07 09:06:26 2017

	Ring		X Caliper		Y Caliper
1:	3.5	in	707.391	cps	740.978
2:	10	in	879.891	cps	923.261
3:	20	in	1068.04	cps	1127.39
4:	30	in	1281.62	cps	1370.16
5:	40	in	1524.24	cps	1628.15
6:	46.5	in	1669.08	cps	1795.35
7:		in		cps	cps
8:		in		cps	cps
9:		in		cps	cps
10:		in		cps	cps


Gamma Ray Calibration Report

Serial Number: 14
 Tool Model: GROH
 Performed: Mon Jan 02 18:47:58 2017

Calibrator Value: 69.0 GAPI

Background Reading: 39.5 cps
 Calibrator Reading: 205.2 cps

Sensitivity: 0.4164 GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	7.60		GR-GROH (14)	2.75	3.50	40.00

YCAL
XCAL

1.50
1.50



XYC-XYCLM (46LM)

6.60

3.50

87.00

Dataset: vero_fa3.db: field/well/run3/pass2
Total length: 9.35 ft
Total weight: 127.00 lb
O.D.: 3.50 in



XY CALIPER
GAMMA RAY

Company FP&L
Well FA-3
Field OCEC
County OKEECHOBEE
State FLORIDA

Company FP&L
Well FA-3
Field OCEC
County OKEECHOBEE
State FLORIDA

Location: API #: STATE ROAD 60
M.M. 5.5
SEC TWP RGE
Elevation
Other Services
SEE COMMENTS
Elevation
K.B.
D.F.
G.L.

Date	JANUARY 14, 2017			
Run Number	FOUR			
Depth Driller	360'			
Depth Logger	360.5'			
Bottom Logged Interval	360.5'			
Top Log Interval	SURFACE			
Open Hole Size	46.5"			
Type Fluid	H2O			
Density / Viscosity	NA			
Max. Recorded Temp.	NA			
Estimated Cement Top	NA			
Time Well Ready	05:00 HRS			
Time Logger on Bottom	05:30 HRS			
Equipment Number	106			
Location	FT MYERS			
Recorded By	R. CAUDILL			
Witnessed By	R. MILLER			
Borehole Record		Borehole Record		
Run Number	Bit	From	To	Run No
ONE	12.25"	SURFACE	140'	
TWO	56.5"	SURFACE	120'	
THREE	12.25"	113'	420'	
FOUR	46.5"	117'	360'	
Casing Record	Size	Wgt/Lf	Top	
Surface String	48"	0.375"W.T.	SURFACE	
Prot. String			Bottom	
Production String			116.6'	
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

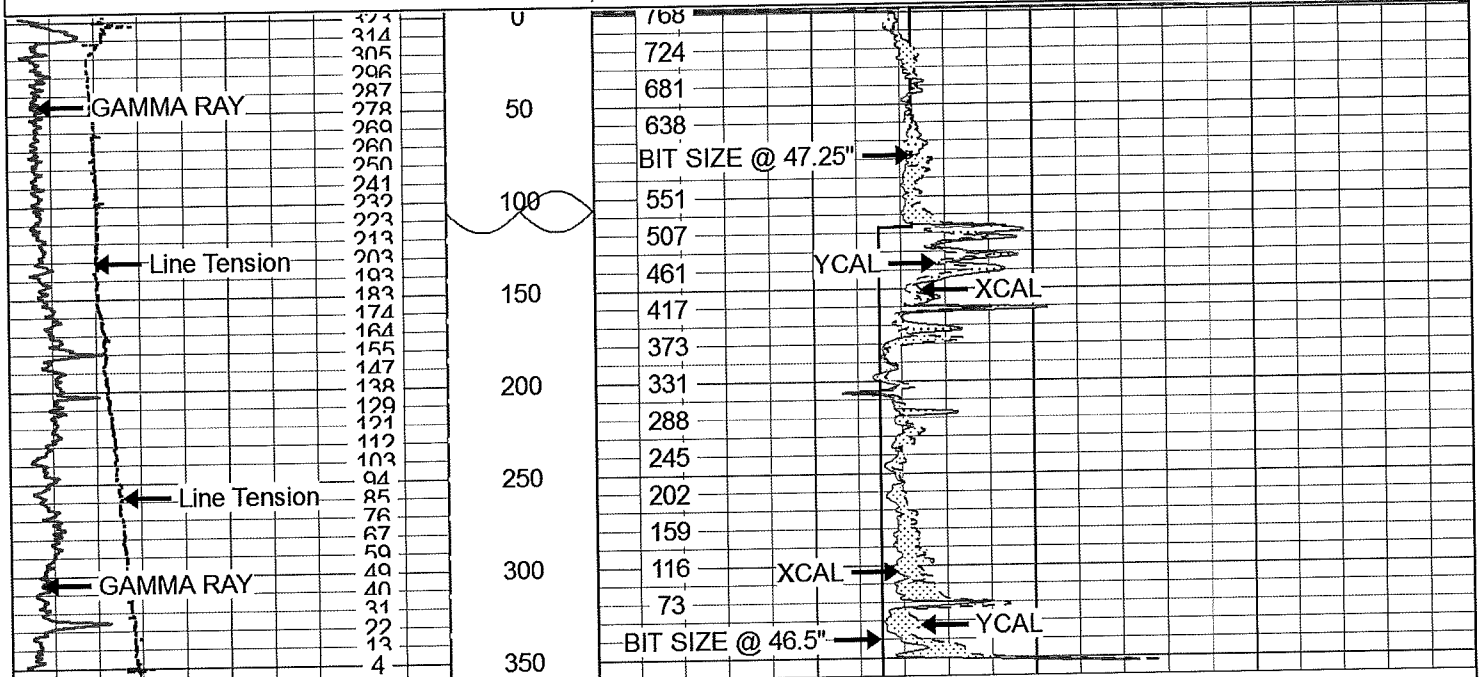
MAX ARM READING = 66.25"



MAIN PASS

Database File vero_fa3.db
 Dataset Pathname run4/pass2.3
 Presentation Format grxy-abhv
 Dataset Creation Sat Jan 14 07:01:48 2017
 Charted by Depth in Feet scaled 1:1200

0	GAMMA RAY (GAPI)	100	40	X-CALIPER (in)	60
0	LTEN (lb)	1000	40	Y-CALIPER (in)	60
		ABHV (bbl)	40	BIT SIZE (in)	60
			TBHV (bbl)		



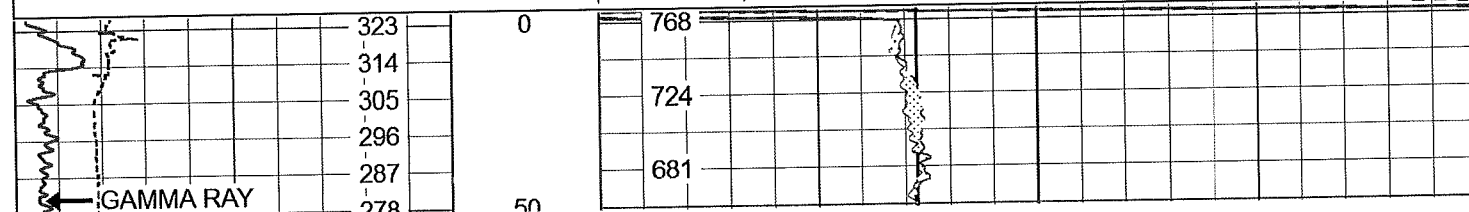
0	GAMMA RAY (GAPI)	100	40	X-CALIPER (in)	60
0	LTEN (lb)	1000	40	Y-CALIPER (in)	60
		ABHV (bbl)	40	BIT SIZE (in)	60
			TBHV (bbl)		

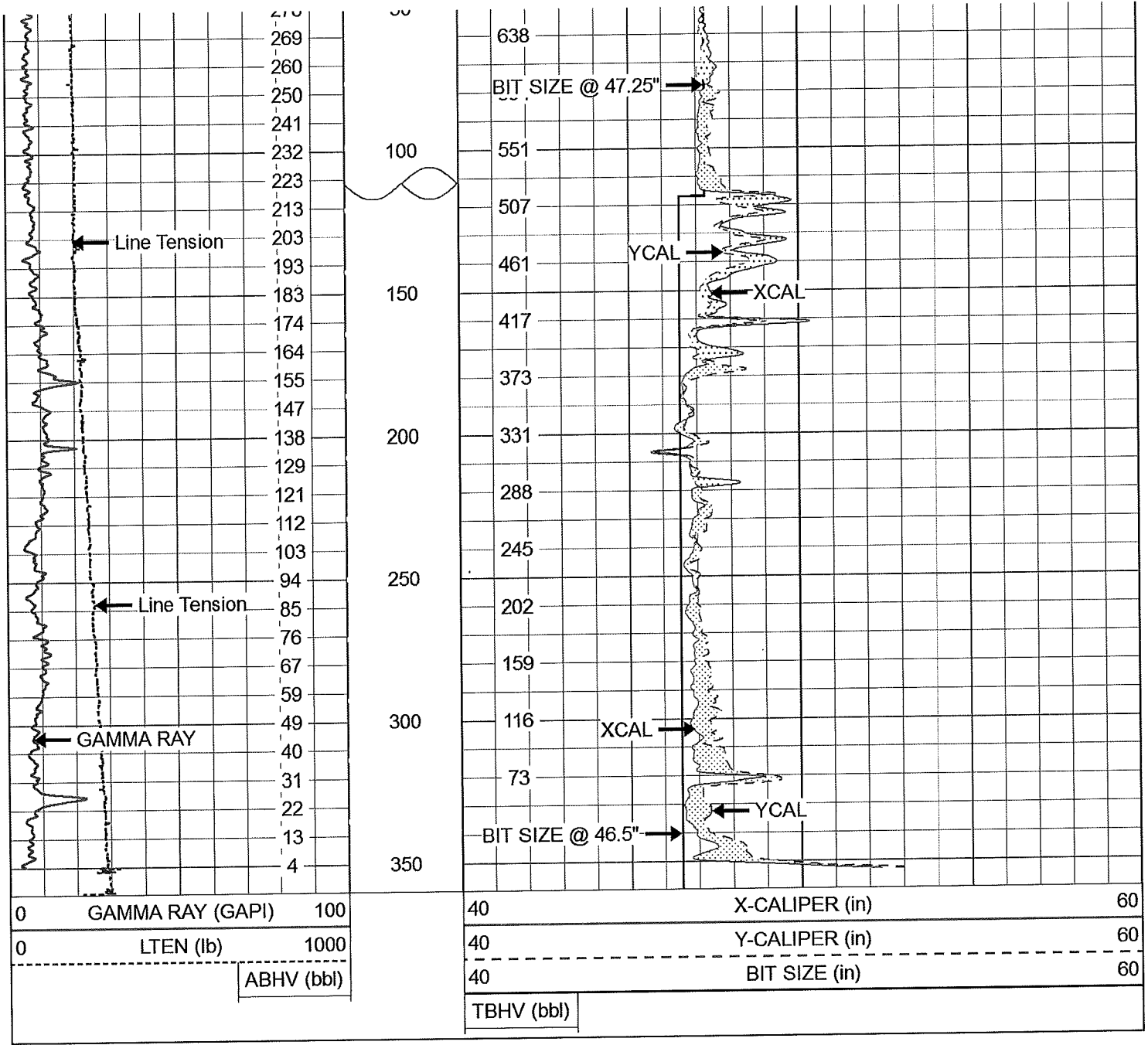


MAIN PASS

Database File vero_fa3.db
 Dataset Pathname run4/pass2.3
 Presentation Format grxy-abhv
 Dataset Creation Sat Jan 14 07:01:48 2017
 Charted by Depth in Feet scaled 1:600

0	GAMMA RAY (GAPI)	100	40	X-CALIPER (in)	60
0	LTEN (lb)	1000	40	Y-CALIPER (in)	60
		ABHV (bbl)	40	BIT SIZE (in)	60
			TBHV (bbl)		

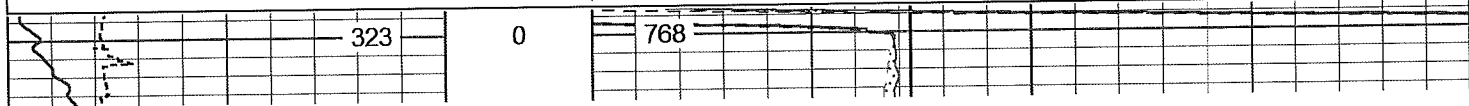


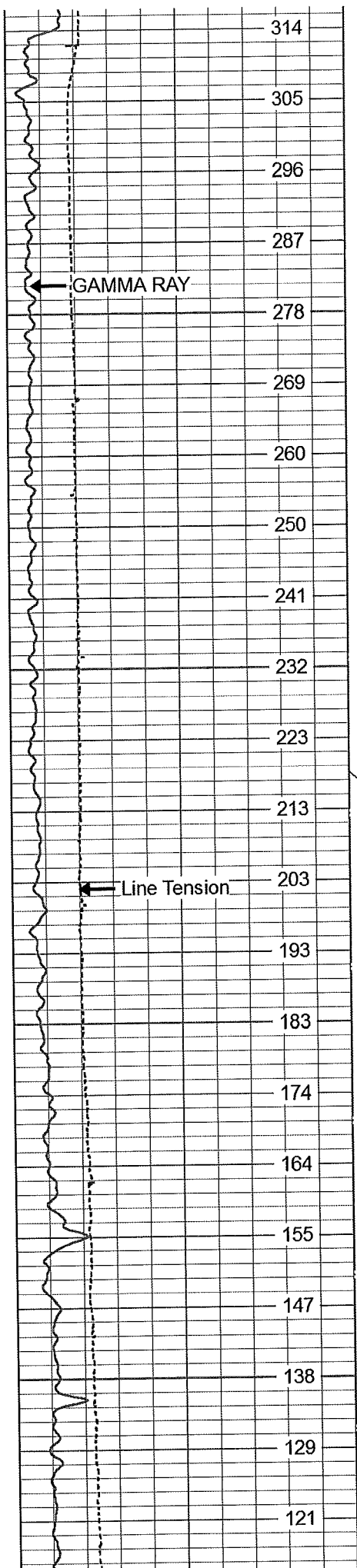


MAIN PASS

Database File vero_fa3.db
 Dataset Pathname run4/pass2.3
 Presentation Format grxy-abhv
 Dataset Creation Sat Jan 14 07:01:48 2017
 Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	100	40	X-CALIPER (in)	60
0	LTEN (lb)	1000	40	Y-CALIPER (in)	60
ABHV (bbl)			BIT SIZE (in)		
			TBHV (bbl)		



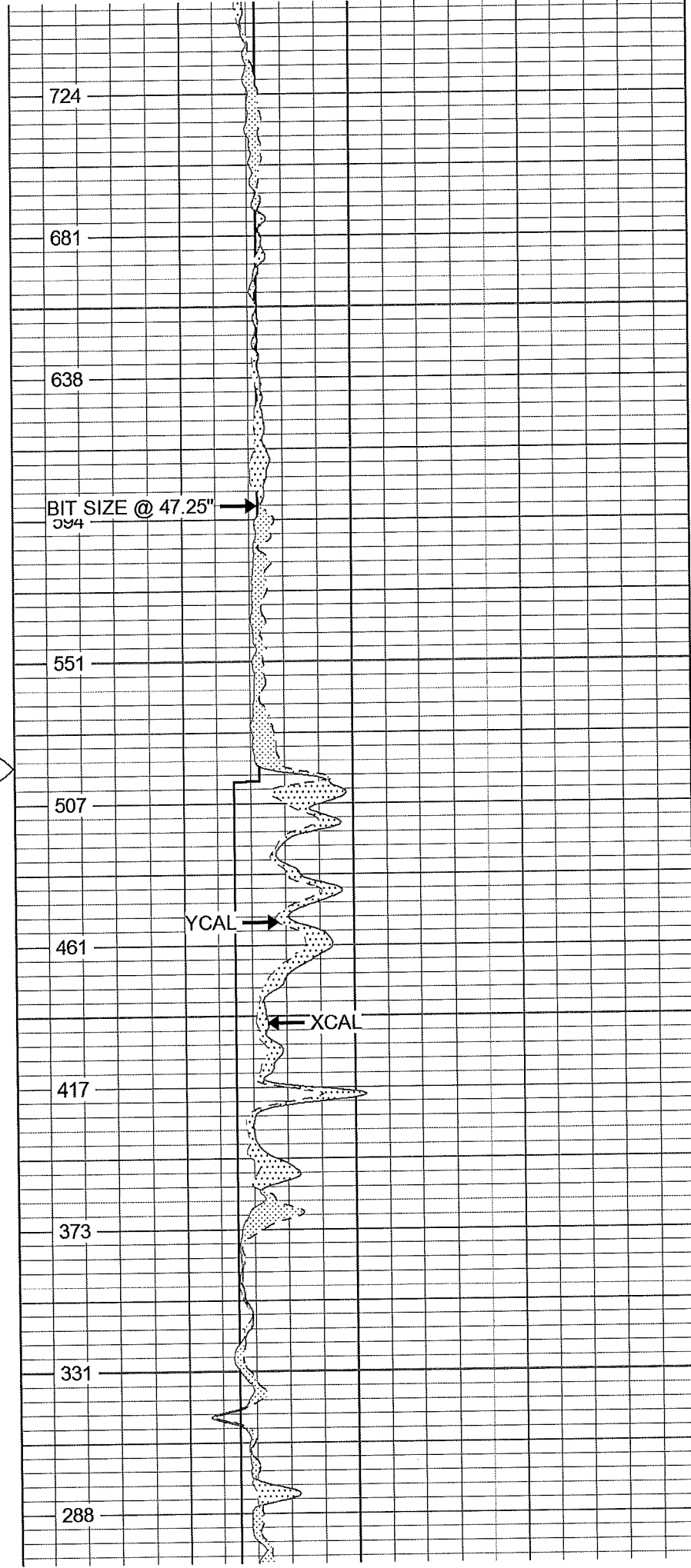


50

100

150

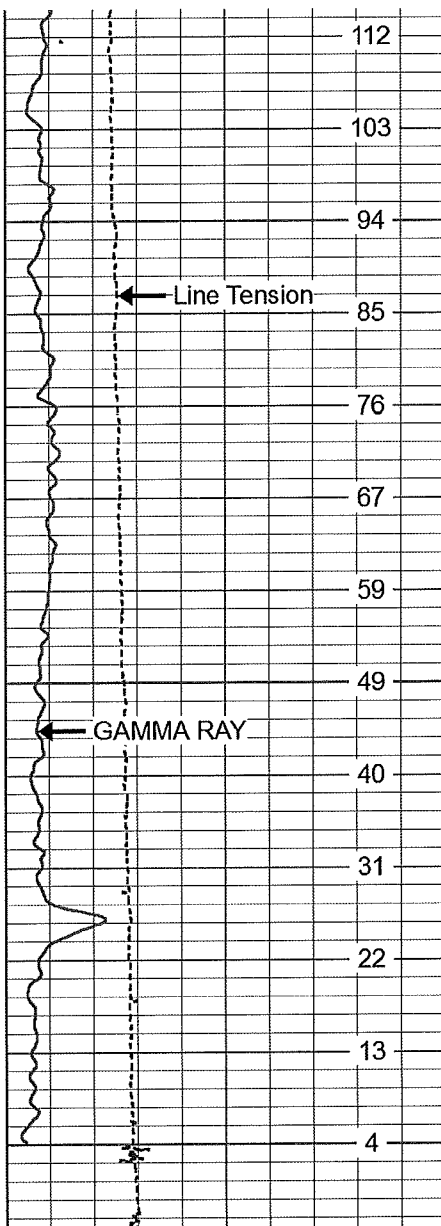
200



BIT SIZE @ 47.25"

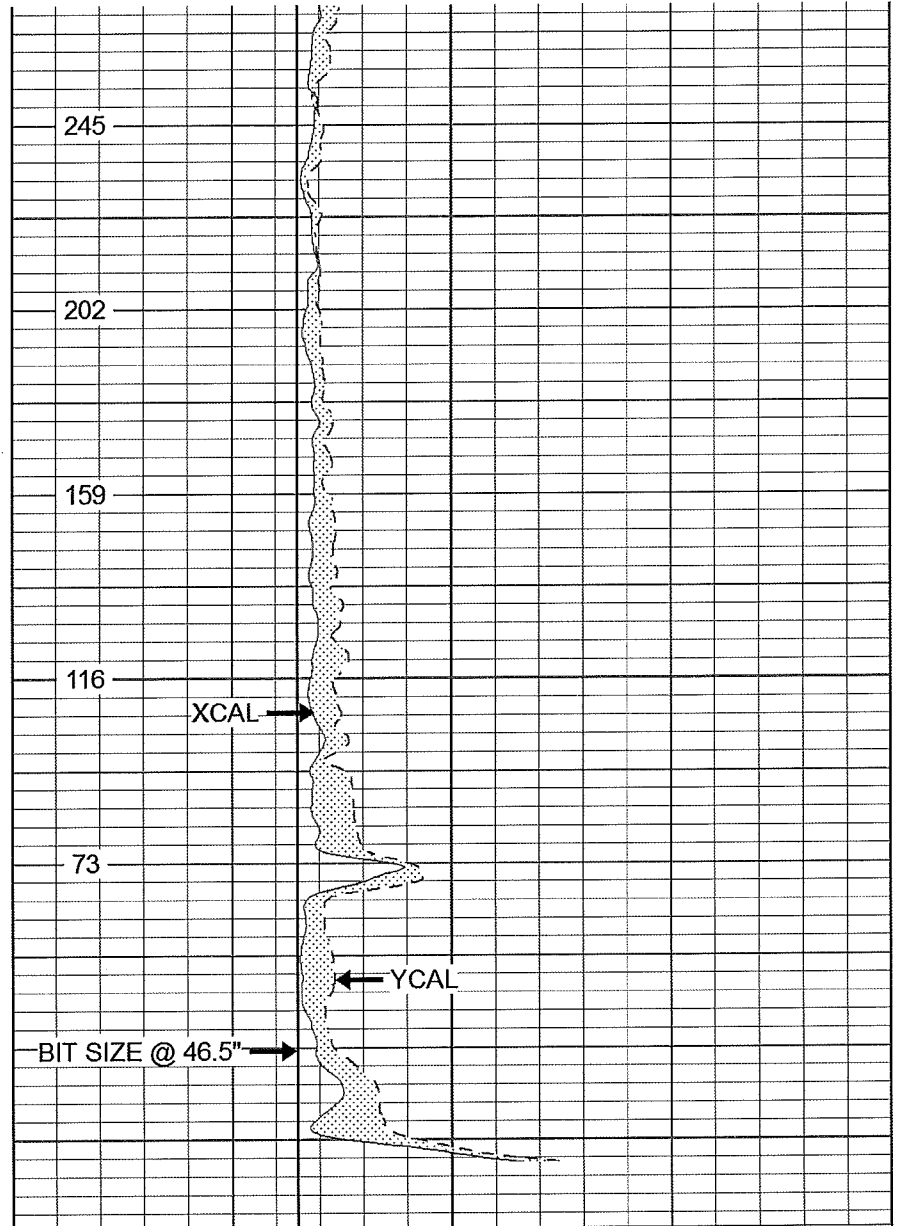
YCAL

XCAL



0	GAMMA RAY (GAPI)	100
0	LTEN (lb)	1000
		ABHV (bbl)

250
300
350



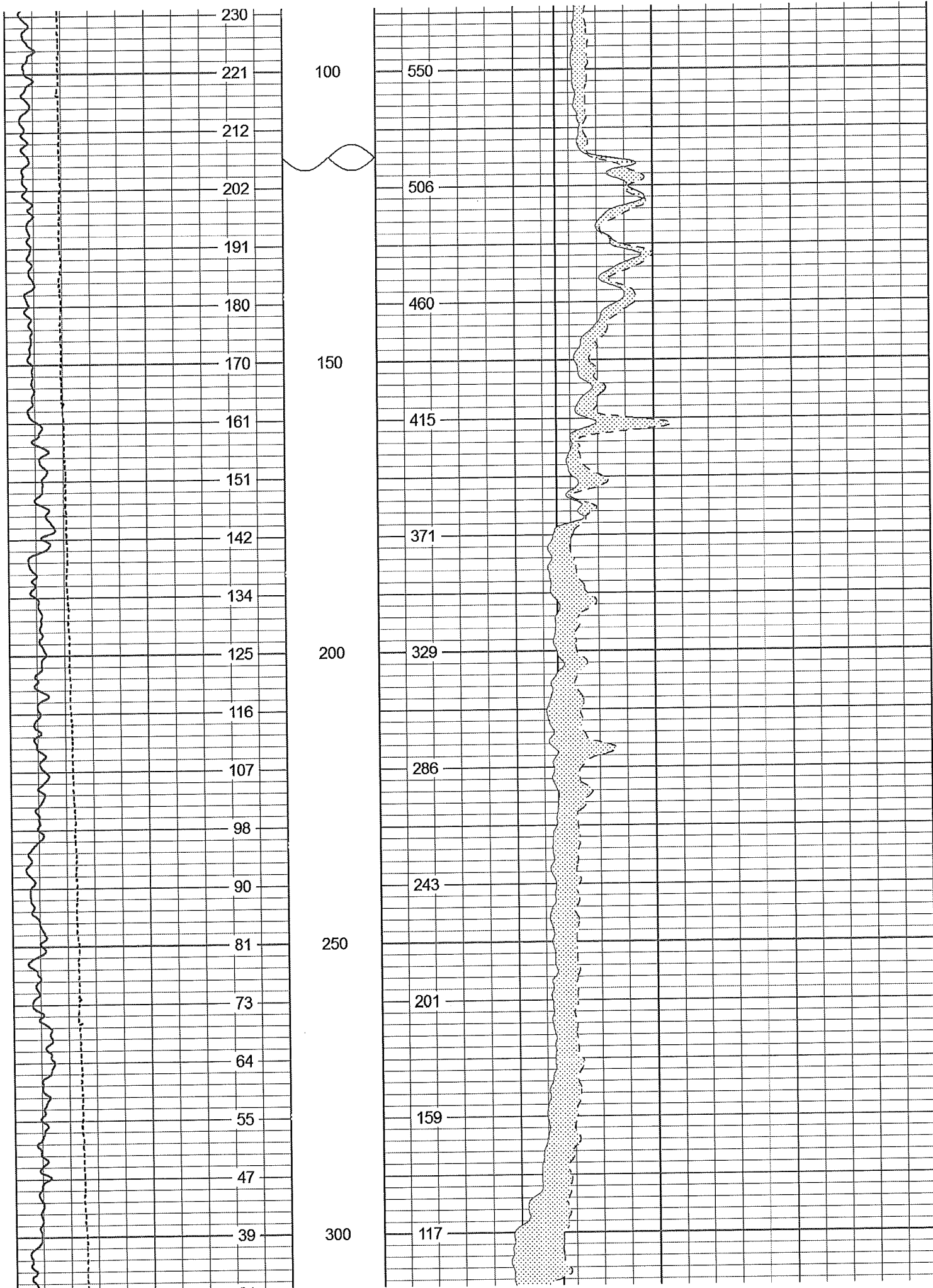
40	X-CALIPER (in)	60
40	Y-CALIPER (in)	60
40	BIT SIZE (in)	60
		TBHV (bbl)

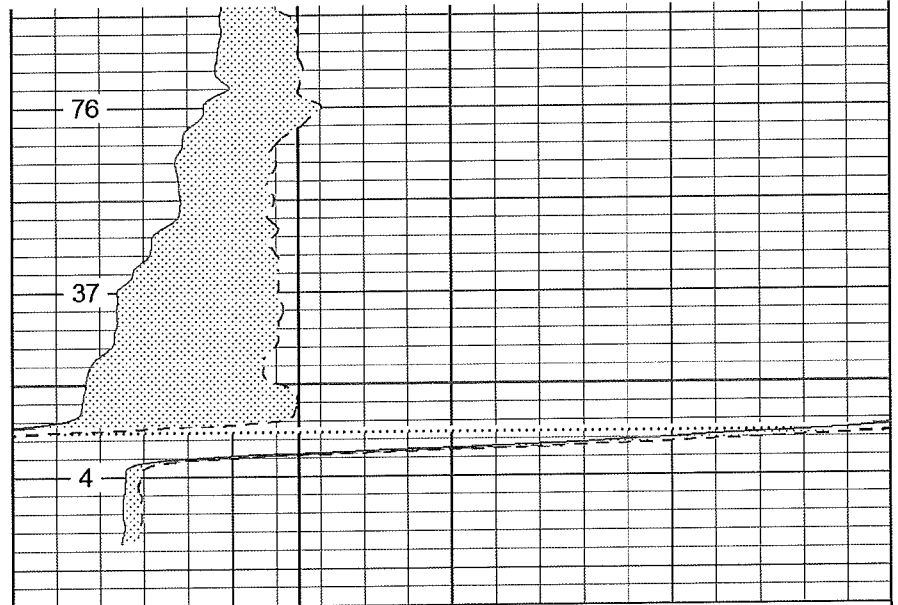
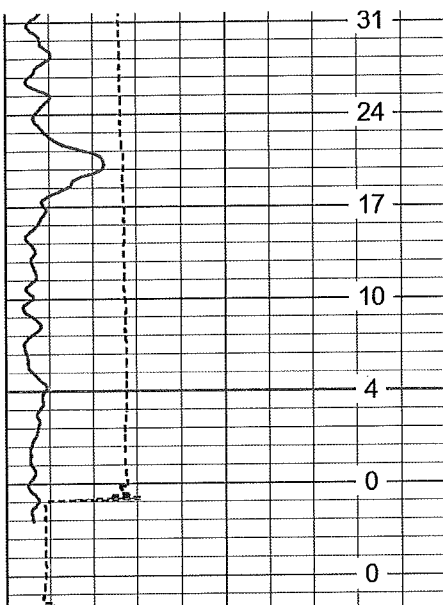


REPEAT SECTION

Database File vero_fa3.db
 Dataset Pathname run4/pass1.1
 Presentation Format grxy-abhv
 Dataset Creation Sat Jan 14 06:54:34 2017
 Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	100	40	X-CALIPER (in)	60
0	LTEN (lb)	1000	40	Y-CALIPER (in)	60
		ABHV (bbl)	40	BIT SIZE (in)	60
					TBHV (bbl)





350

0	GAMMA RAY (GAPI)	100
0	LTEN (lb)	1000
	ABHV (bbl)	

40	X-CALIPER (in)	60
40	Y-CALIPER (in)	60
40	BIT SIZE (in)	60
	TBHV (bbl)	

Calibration Report

Database File vero_fa3.db
 Dataset Pathname run4/pass2.3
 Dataset Creation Sat Jan 14 07:01:48 2017

XY Caliper Calibration Report

Serial Number/Model: 46LM-XYCLM
 Performed: Sat Jan 14 05:36:49 2017

	Ring		X Caliper		Y Caliper	
1:	40	in	1263.8	cps	1341.3	cps
2:	47.25	in	1391.42	cps	1470.48	cps
3:	50	in	1417.83	cps	1509.02	cps
4:	60	in	1573.15	cps	1683.26	cps
5:	66.25	in	1672.65	cps	1799.68	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

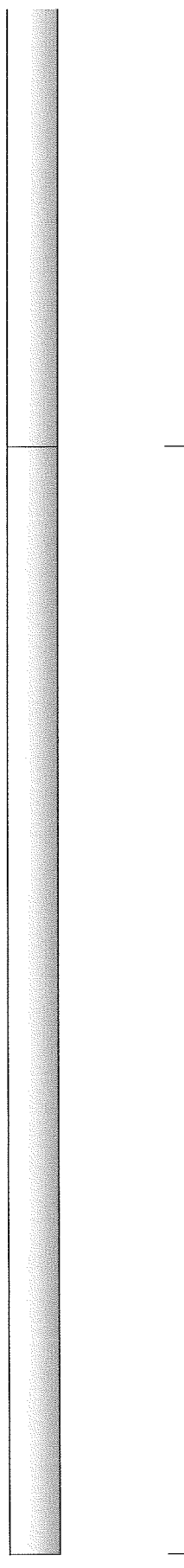
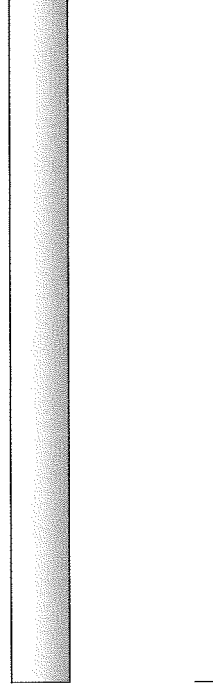
Serial Number: 14
 Tool Model: GROH
 Performed: Mon Jan 02 18:47:58 2017

Calibrator Value: 69.0 GAPI

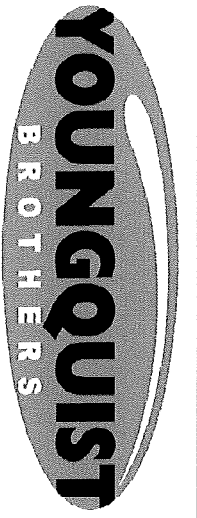
Background Reading: 39.5 cps
 Calibrator Reading: 205.2 cps

Sensitivity: 0.4164 GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)

GR	7.60		GR-GROH (14)	2.75	3.50	40.00
YCAL XCAL	1.50 1.50		XYC-XYCLM (46LM)	6.60	3.50	87.00

Dataset: vero_fa3.db: field/well/run4/pass2.3
 Total length: 9.35 ft
 Total weight: 127.00 lb
 O.D.: 3.50 in



DUAL INDUCTION
w/ LL3 & SP
LOG

Company	FP&L	Company	FP&L
Well	FA-3	Well	FA-3
Field	OCEC	Field	OCEC
County	OKEECHOBEE	County	OKEECHOBEE
State	FLORIDA	State	FLORIDA
Location: API #: STATE ROAD 60 M.M. 5.5		Other Services SEE COMMENTS	
Permanent Datum	SEC TWP RGE	Elevation	
Log Measured From		Elevation	
Drilling Measured From		K.B. D.F. G.L.	

Date	01-31-2017		
Run Number	FIVE		
Depth Driller	603'		
Depth Logger	603'		
Bottom Logged Interval	603'		
Top Log Interval	300'		
Open Hole Size	14.75"		
Type Fluid	WATER		
Density / Viscosity	NA		
Max. Recorded Temp.	NA		
Estimated Cement Top	NA		
Time Well Ready	15:00 HRS		
Time Logger on Bottom	15:30 HRS		
Equipment Number	107		
Location	FT MYERS		
Recorded By	R CAUDILL		
Witnessed By	C. SMITH		

Run Number	Borehole Record			Tubing Record			
	Bit	From	To	Size	Weight	From	To
ONE	12.25"	SURFACE	140'				
TWO	56.5"	SURFACE	120'				
THREE	12.25"	113'	420'				
FOUR	46.5"	117'	360'				
Casing Record	Size	Wgt/Ft	Top	Bottom			
Surface String	48"	0.375"W.T.	SURFACE	176.6'			
Prot. String	36"	0.500"W.T.	SURFACE	358'			
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

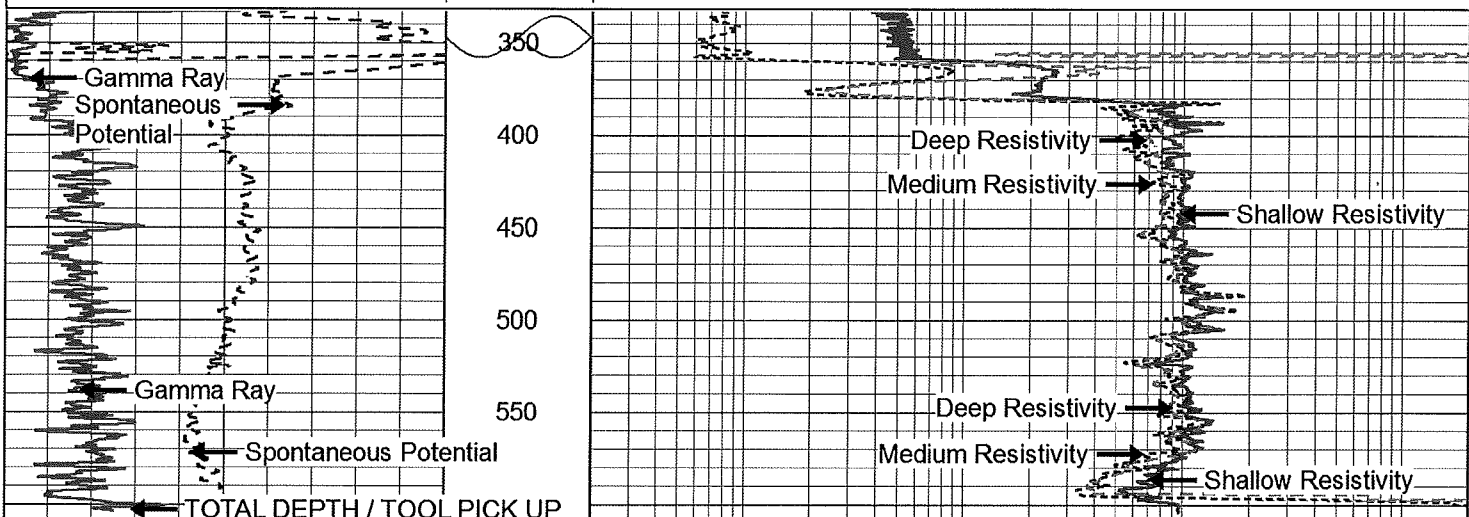
SEE COMMENTS
XYC-CALIPER GAMMA RAY




MAIN PASS

Database File vero_fa3_run 5.db
 Dataset Pathname pass6.5
 Presentation Format dil
 Dataset Creation Tue Jan 31 15:46:15 2017
 Charted by Depth in Feet scaled 1:1200

0	Gamma Ray (GAPI)	100	0.2	Medium Resistivity (Ohm-m)	2000
Spontaneous Potential			0.2	Shallow Resistivity (Ohm-m)	2000
-100	(mV)	100	0.2	Deep Resistivity (Ohm-m)	2000



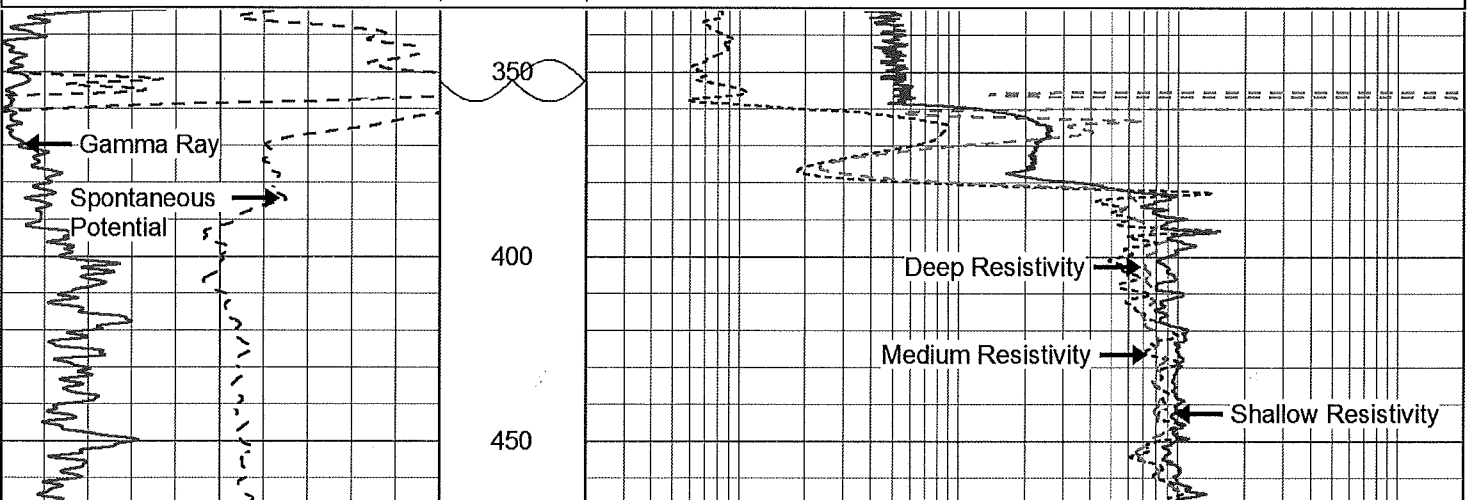
0	Gamma Ray (GAPI)	100	0.2	Medium Resistivity (Ohm-m)	2000
Spontaneous Potential			0.2	Shallow Resistivity (Ohm-m)	2000
-100	(mV)	100	0.2	Deep Resistivity (Ohm-m)	2000

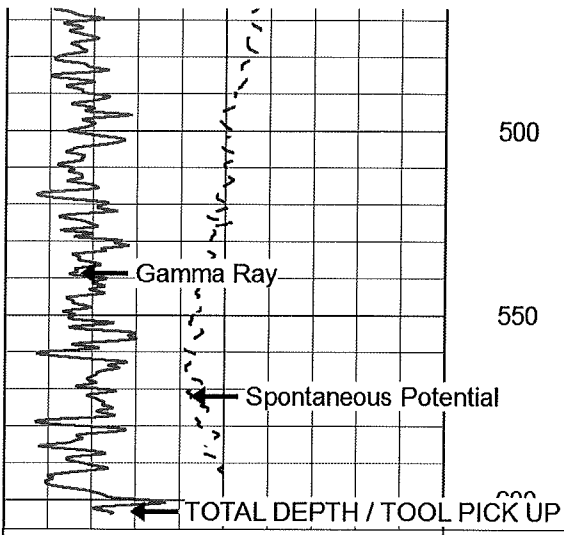


MAIN PASS

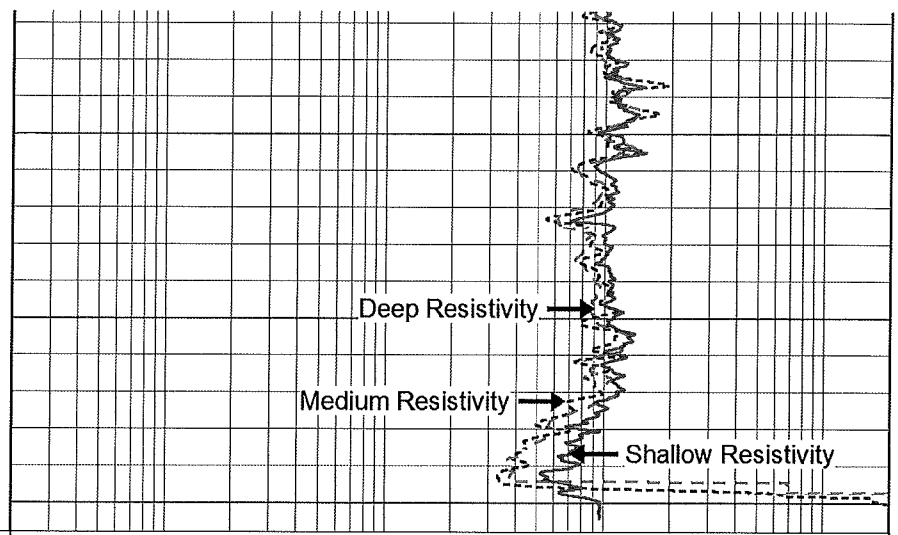
Database File vero_fa3_run 5.db
 Dataset Pathname pass6.5
 Presentation Format dil
 Dataset Creation Tue Jan 31 15:46:15 2017
 Charted by Depth in Feet scaled 1:600

0	Gamma Ray (GAPI)	100	0.2	Medium Resistivity (Ohm-m)	2000
Spontaneous Potential			0.2	Shallow Resistivity (Ohm-m)	2000
-100	(mV)	100	0.2	Deep Resistivity (Ohm-m)	2000





0	Gamma Ray (GAPI)	100
	Spontaneous Potential	
-100	(mV)	100



0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
0.2	Deep Resistivity (Ohm-m)	2000



MAIN PASS

Database File vero_fa3_run 5.db
 Dataset Pathname pass6.5
 Presentation Format dil
 Dataset Creation Tue Jan 31 15:46:15 2017
 Charted by Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	100
	Spontaneous Potential	
-100	(mV)	100

0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
0.2	Deep Resistivity (Ohm-m)	2000

