Company	Mobil Producing Tx. & N.M. Inc.		
Well	Vera Cruz Fed. Com. #1		
Field	Wildcat		
County	Eddy	State	New Mexico
Location	1980' FSL & 1980' FEL		
Other Services	DLL/MSFL/GR/CAL		
Sec.	34	Twp.	17S
Rge.	28E	Permanent Datum	GL
Elev.	3630'	Log Measured From	KB 12' Above Perm. Datum
Date	12-Jan-2010	Drilling Measured From	KB
Run No.	ONE		
Depth-Driller	9100'	Depth-Logger	9100'
Bottom Log Interval	9100'	Top Log Interval	2500'
Casing-Driller	13 3/8" @ 1000'	Casing-Logger	1000'
Bit Size	12 1/4"	Type Fluid in Hole	Brine
Density	10.0	Viscosity	32
Ph	10.0	Fluid Loss	10
Source of Sample	Flowline		
Rm @ Meas. Temp.	0.08 @ 80	Rmf @ Meas. Temp.	0.06 @ 80
Rmc @ Meas. Temp.	0.09 @ 80		
Rm @ BHT	0.05 @ 150	Time Since Circulation	12 hrs
Time Since Stop	1 hr	Max. Rec. Temp.	150
Equipment	5705	Location	Carlsbad, NM
Recorded By	Jones	Witnessed By	Smith

THIS DATA IS PRELIMINARY AND SUBJECT TO REVISION. MOBIL PRODUCING TX. & N.M. INC. ASSUMES NO RESPONSIBILITY FOR ERRORS OR OMISSIONS IN THIS DATA.

Cross Timbers Operating Company

Cross Timbers Operating Company

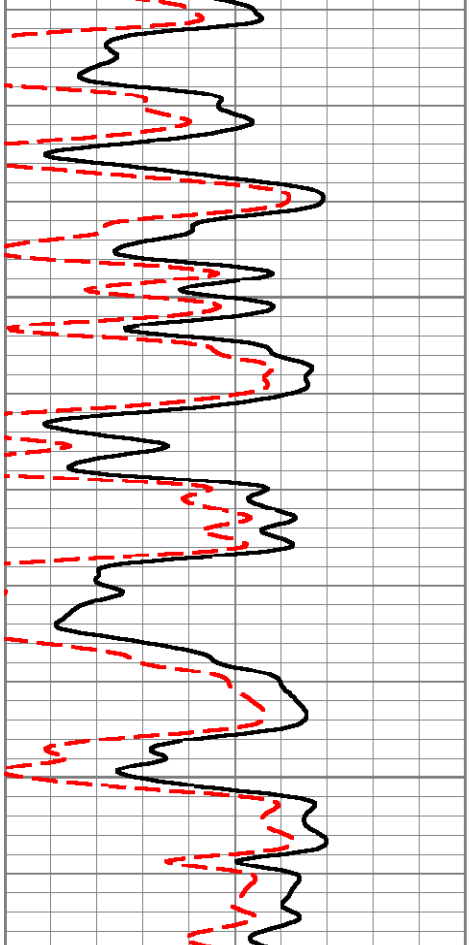
MAIN PASS

MAIN PASS

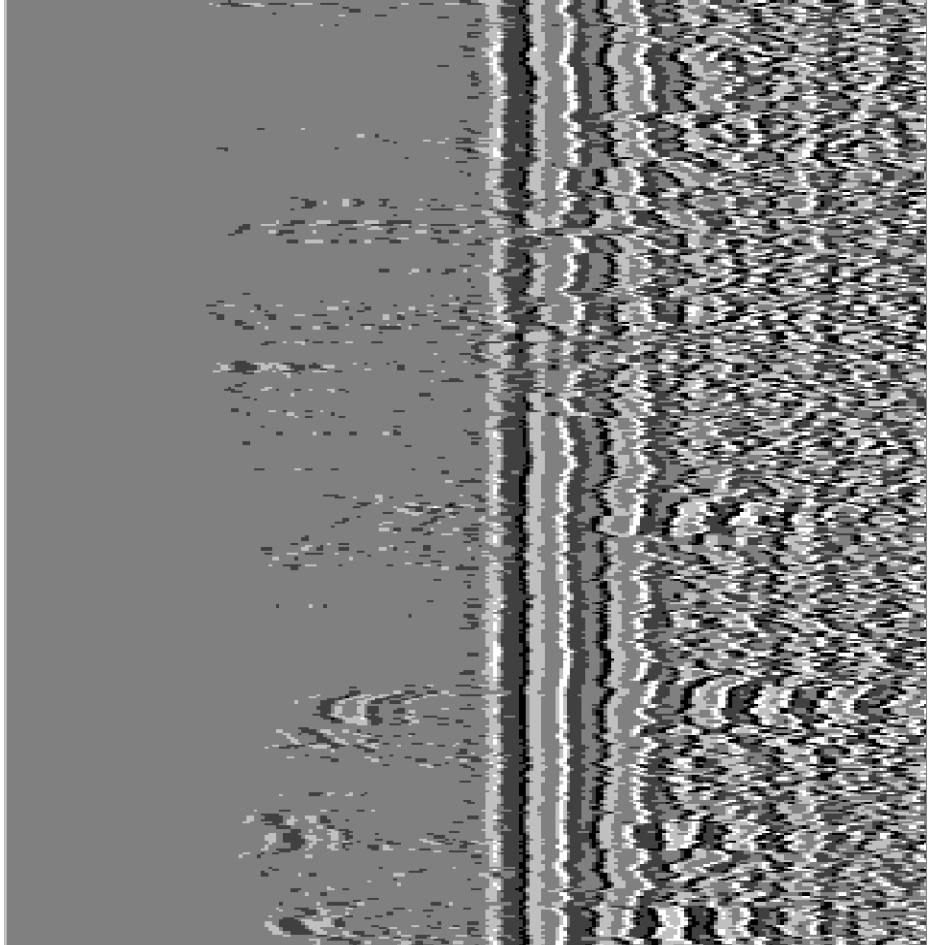
MAIN PASS

MAIN PASS

MAIN PASS

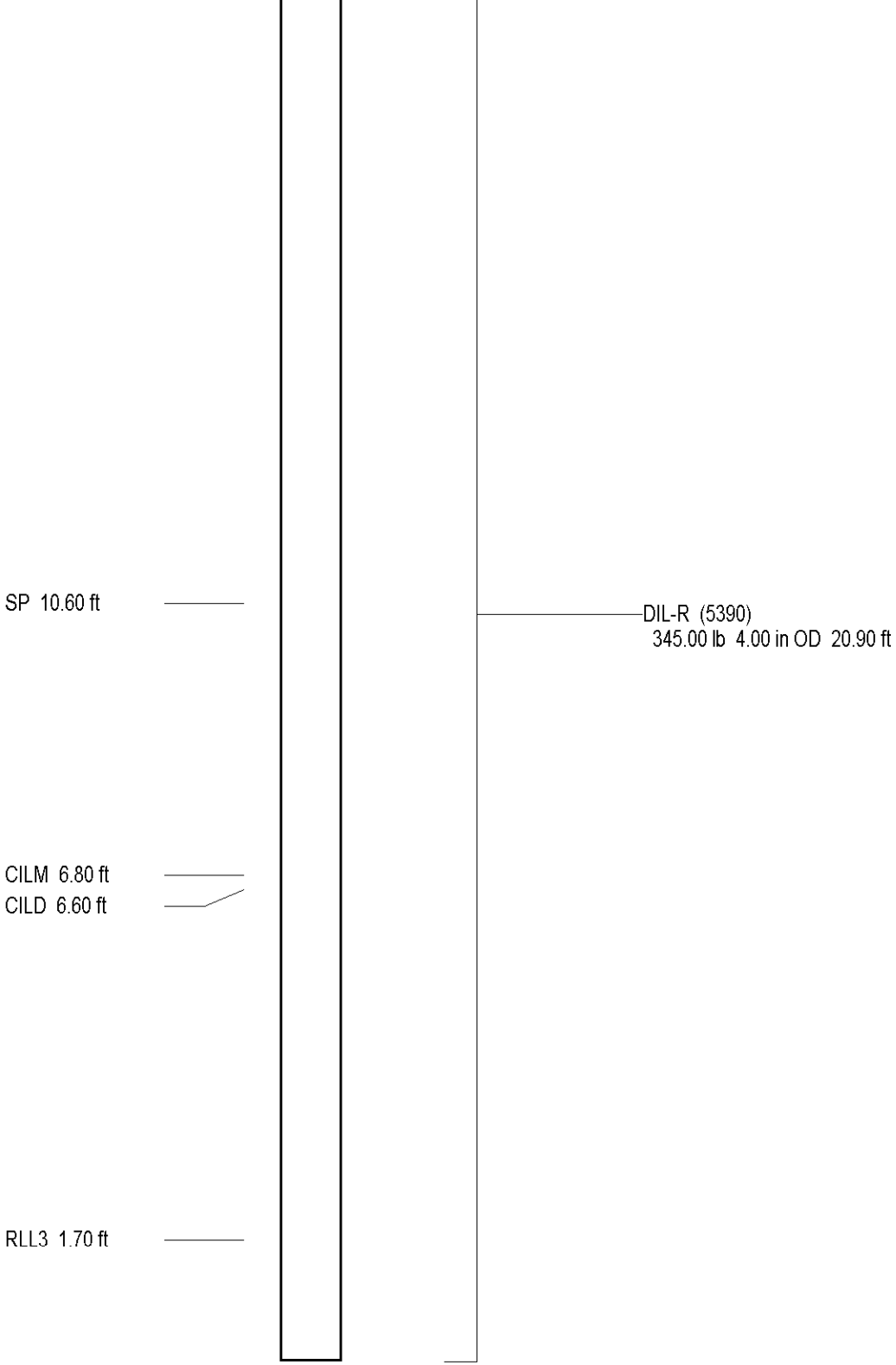


900



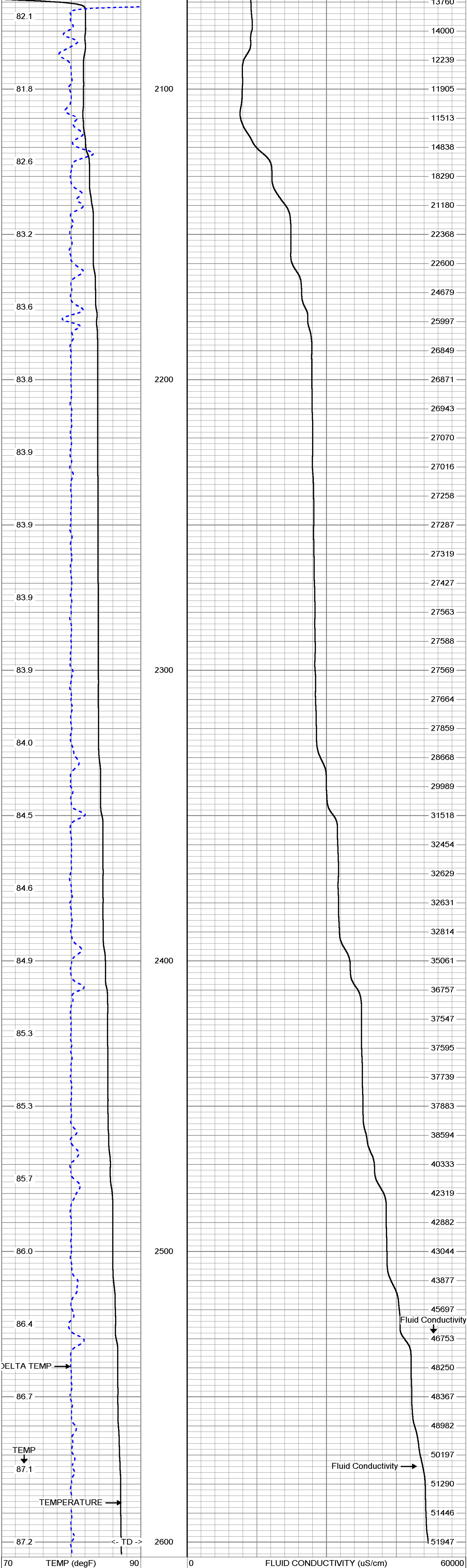
Company	Chesapeake Energy Corp.
Well	Hoover 1-29-5-24
Field	Wildcat
County	Ellis
State	Kansas
API #	15-051-26-0-00
Location	1980' FSL & 1980' FEL
Sec.	29
Twp.	5 S
Rge.	24 W
Elevation	KB 2,000' GL 1,990'
Date	12-Jan-2010
Operator	Chesapeake Energy Corp.
Contractor	Murfin Drilling Co. Inc. Rig 24
Driller	Tyler Hoover
Logger	Matt Vaughn
Logging Unit	3
Logging Time	12:00 AM 12-Jan-2010
Bit Size	7 7/8"
Mud Type	Chemical
Max Rec Temp	120° F
Max Rec Time	1 hrs
Max Rec Date	12-Jan-2010
Max Rec Depth	3,700'
Rec Method	Flow
Rec Quality	Good
Recorded By	Matt Vaughn
Witnessed By	Tyler Hoover

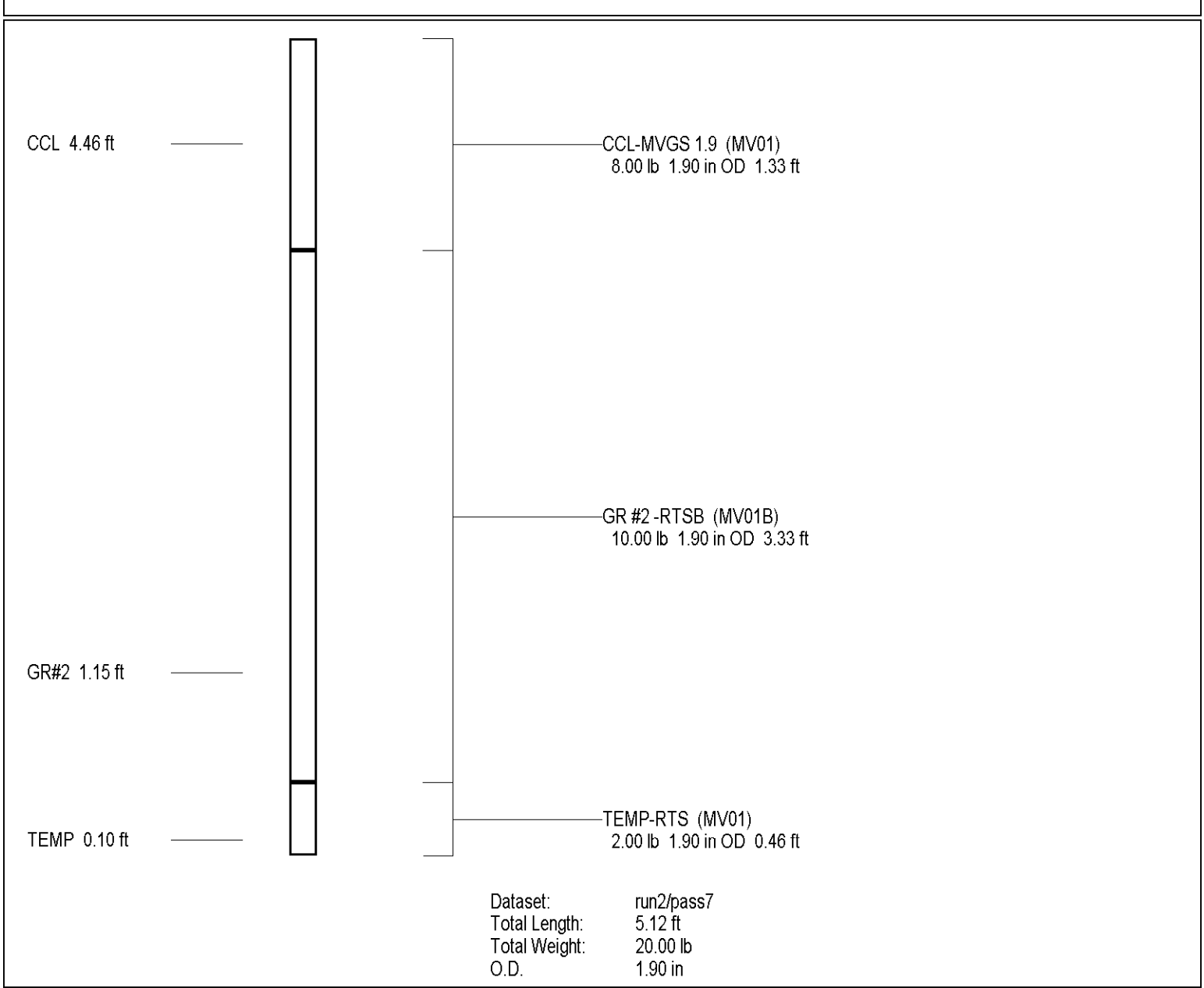
Equipment	Serial #	Type	Location
Mud Pump	2	Triplex	Hays
Mud Pump	1	Triplex	Hays
Mud Pump	3	Triplex	Hays
Mud Pump	4	Triplex	Hays
Mud Pump	5	Triplex	Hays
Mud Pump	6	Triplex	Hays
Mud Pump



Dataset:	run2/pass25
Total Length:	20.90 ft
Total Weight:	345.00 lb
O.D.	4.00 in

Project:	Hong Kong Zhuhai Macau Bridge
Pile No.	1-1-1-


82.1
81.8
82.6
83.2
83.6
83.8
83.9
83.9
83.9
83.9
84.0
84.5
84.6
84.9
85.3
85.3
85.7
86.0
86.4
DELTA TEMP
86.7
TEMP
87.1
TEMPERATURE
87.2
<- TD ->
2100
2200
2300
2400
2500
2600
13760
14000
12239
11905
11513
14838
18290
21180
22368
22600
24679
25997
26849
26871
26943
27070
27016
27258
27287
27319
27427
27563
27588
27569
27664
27859
28668
29989
31518
32454
32629
32631
32814
35061
36757
37547
37595
37739
37883
38594
40333
42319
42882
43044
43877
45697
Fluid Conductivity
46753
48250
48367
48982
50197
Fluid Conductivity
51290
51446
51947
70 TEMP (degF) 90
-0.5 DTMP (degF) 0.5
0 FLUID CONDUCTIVITY (uS/cm) 60000


CCL 4.46 ft
CCL-MVGS 1.9 (MV01)
8.00 lb 1.90 in OD 1.33 ft
GR #2 -RTSB (MV01B)
10.00 lb 1.90 in OD 3.33 ft
GR#2 1.15 ft
TEMP 0.10 ft
TEMP-RTS (MV01)
2.00 lb 1.90 in OD 0.46 ft
Dataset: run2/pass7
Total Length: 5.12 ft
Total Weight: 20.00 lb
O.D. 1.90 in

Company : C.C.D.Cross Shell Drilling Co.
Well : Cross Shell 1
Field : Lake Caroline
County : Claiborne
State : Louisiana
Date : 10/13/2010
Time : 10:00
Comment : Pump Stroke Test
Operator : Jim Hall
Logging Engineer : Jim Hall
Unit Number : 0001

MV Geophysical

FLOWMETER
0001

Pump Stroke Test
Pump Stroke Test
Pump Stroke Test

Company	Chesapeake Energy Corp.		
Well	Hoover 1-29-5-24		
Field	Wildcat		
County	Uintah		
State	Utah		
Date	2-Mar-2011		
Time	08:00		
Depth Driller	9,000		
Depth Logger	9,000		
Bottom Logged Interval	8,990		
Top Log Interval	2,000		
Bit Size	7.875		
Type Fluid in Hole	Water		
Salinity	0		
Density	8.4		
Viscosity	27		
Max Rec Temp	0		
Equipment	11		
Location	11		
Recorded By	Jeff Hoover		
Witnessed By	Mr. Jeff Hoover		

Run Number	Bottom Driller	Bottom Logger	Top Log Interval	Casing Size	Casing Weight	Casing Depth	Type Fluid in Hole	Density	Viscosity	Max Rec Temp	Equipment	Location	Recorded By
1	9,000	9,000	2,000	9.625	36	2,000	Water	8.4	27	0	11	11	Jeff Hoover

Remarks:

Run 1: Logged with 2" Collar Arm Caliper, 1" Pad Caliper, Gamma Ray, Compensated Neutron, Spectral Density, Dual Spaced Neutron, Array Induction, Sonic, Cement Bond Log, Ultrasonic Imager, Cement Evaluation Log.

Logging Time: 12:00 AM

2.1" Caliper Arm Orientation: 31°

1" Pad Caliper Log: 1.1"

MV

MAIN PASS

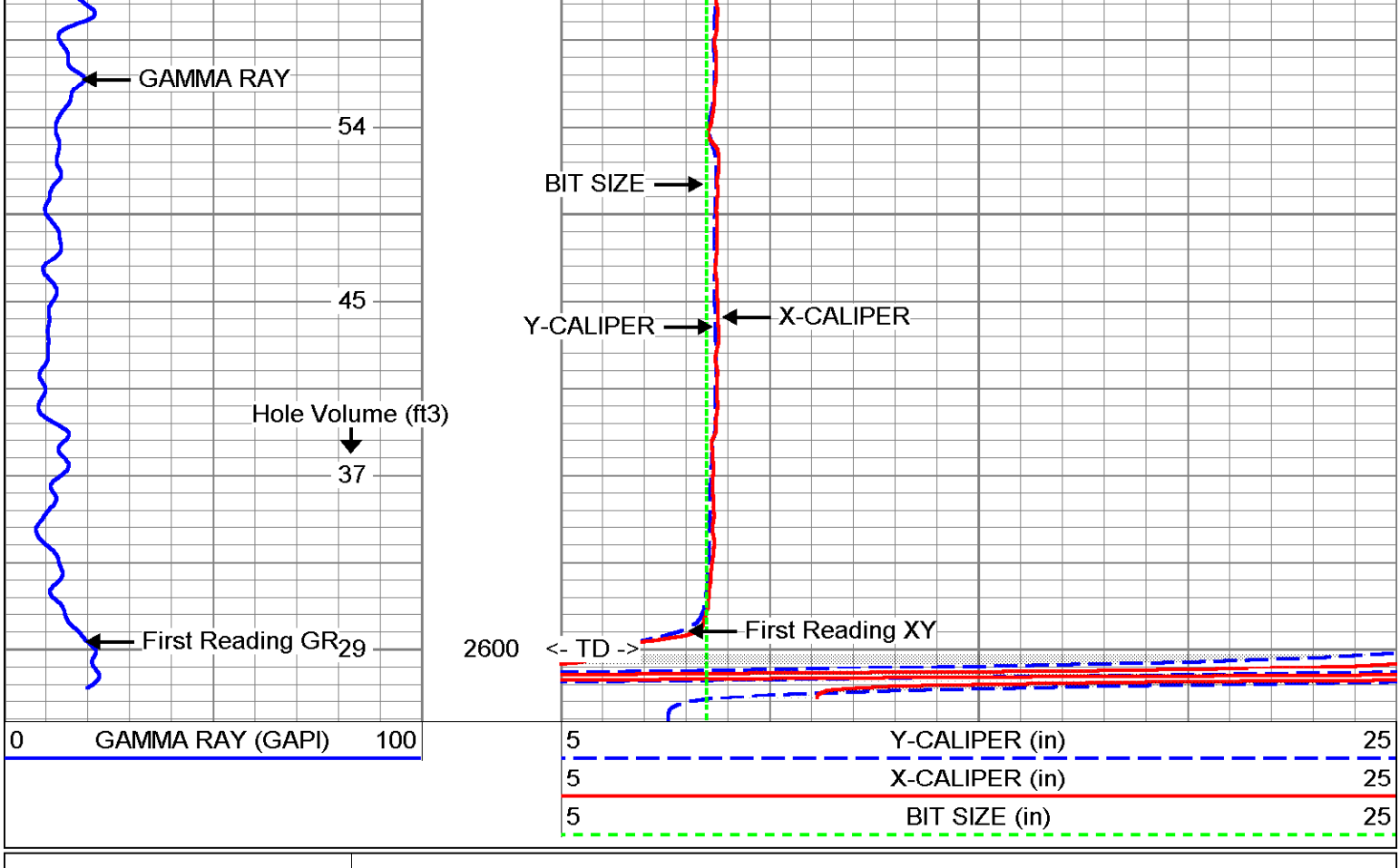
Hoover 1-29-5-24
Wildcat
Uintah, Utah
Chesapeake Energy Corp.
Run 1 Logged with 2" Collar Arm Caliper, 1" Pad Caliper, Gamma Ray, Compensated Neutron, Spectral Density, Dual Spaced Neutron, Array Induction, Sonic, Cement Bond Log, Ultrasonic Imager, Cement Evaluation Log.
Logging Time: 12:00 AM

Caliper (Inches) 6 — 16
Gamma Ray (API units) 0 — 150
Neutron Porosity (Decimal Fraction) 0.45 — -0.15
Density (g/cc) 1.95 — 2.95

Casing Collar Locator
Gamma Ray
Caliper
Bit Size
Neutron Porosity
Density

Casing Collar Locator
Gamma Ray
Caliper
Bit Size
Neutron Porosity
Density

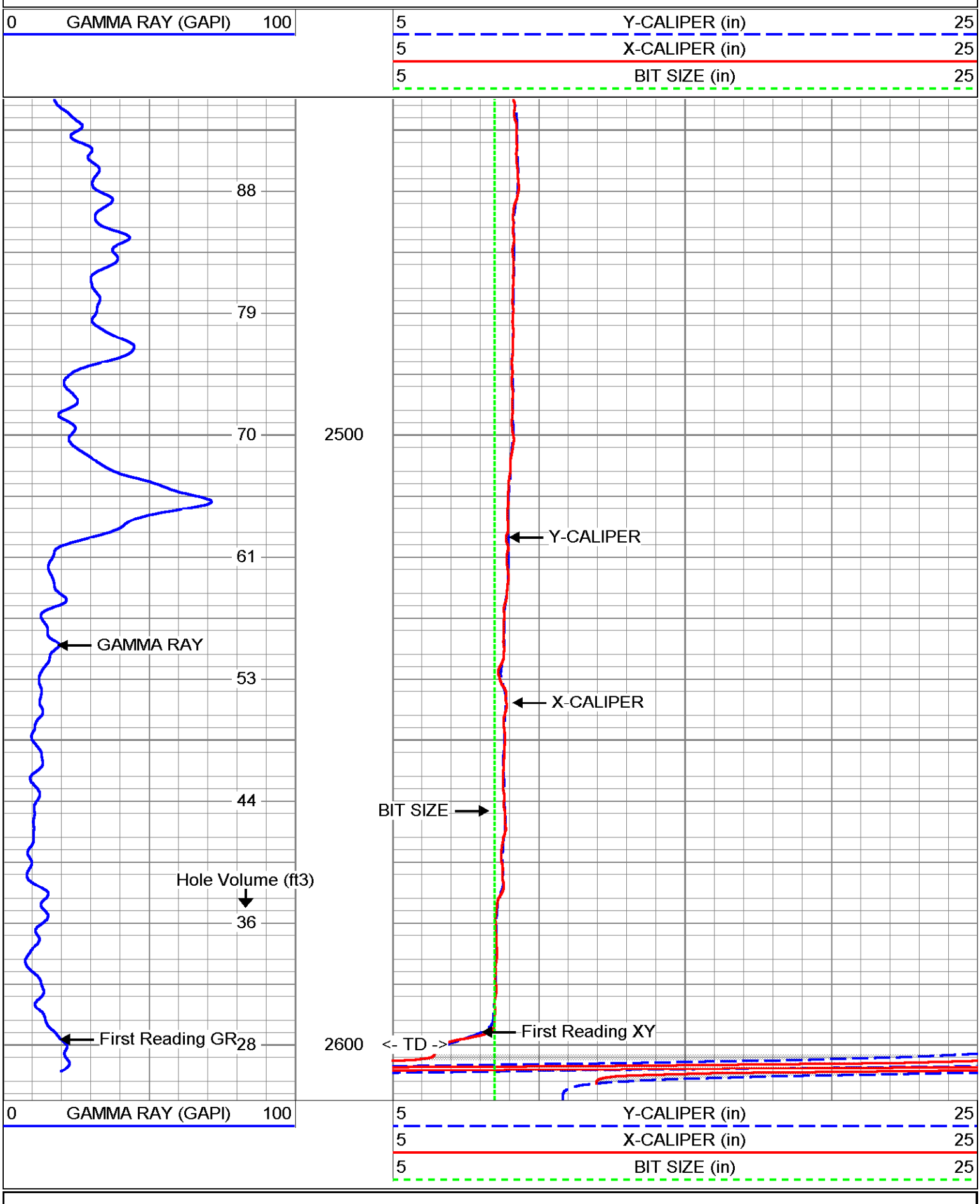
Casing Collar Locator
Gamma Ray
Caliper
Bit Size
Neutron Porosity
Density



MV Geophysical

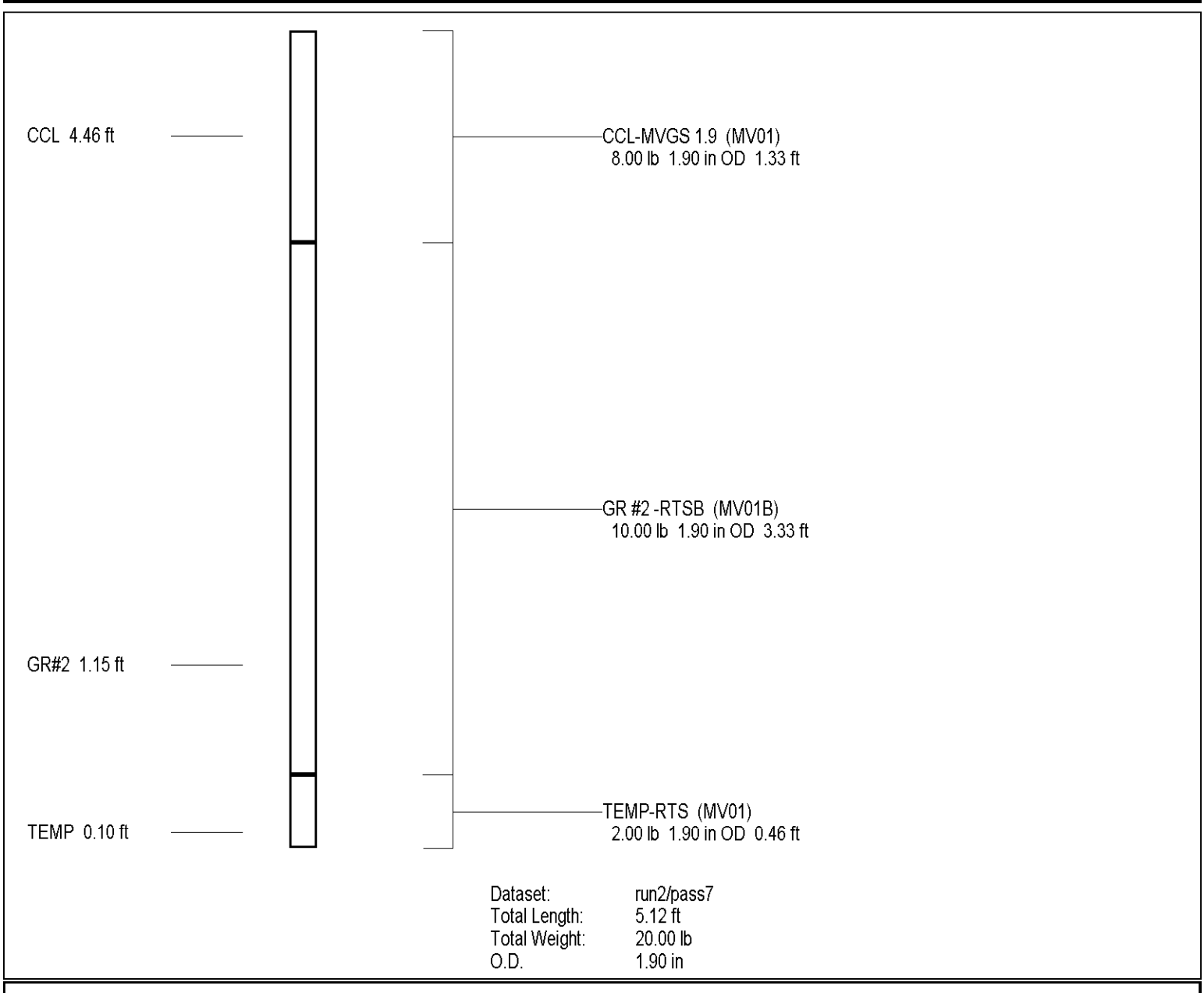
REPEAT SECTION

Database File: rstcld-1.db
Dataset Pathname: run2/REPEAT
Presentation Format: XY525-5
Dataset Creation: Wed Jan 09 09:37:07 2008
Charted by: Depth in Feet scaled 1:240



Gamma Ray Calibration Report

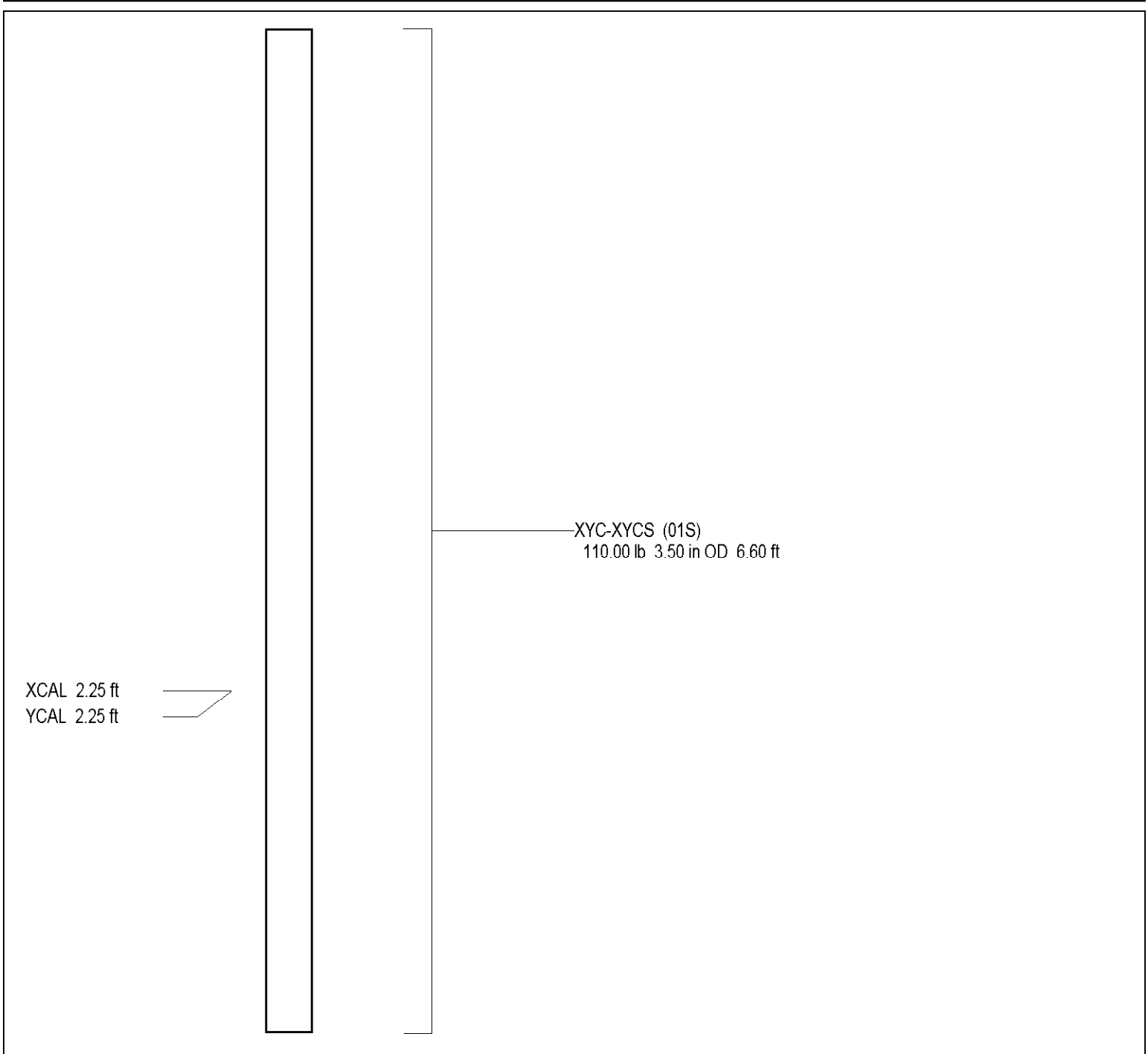
Serial Number:	MV01B	
Tool Model:	RTSB	
Performed:	Wed Jan 09 12:50:49 2008	
Calibrator Value:	120	GAPI
Background Reading:	28.2721	cps
Calibrator Reading:	123.357	cps
Sensitivity:	1.26203	GAPI/cps



Dataset: run2/pass7
Total Length: 5.12 ft
Total Weight: 20.00 lb
O.D. 1.90 in

XY Caliper Calibration Report

Serial Number:	01S		
Tool Model:	XYCS		
Performed:	Wed Jan 09 09:44:43 2008		
Small Ring:	8.5	in	
Large Ring:	51	in	
	X Caliper	Y Caliper	
Reading with Small Ring:	1119	1120.1	cps
Reading with Large Ring:	1947.9	1901.1	cps
Gain:	0.0512728	0.0544174	
Offset:	-48.8742	-52.4529	



Dataset: run2/pass2
Total Length: 6.60 ft
Total Weight: 110.00 lb
O.D. 3.50 in