



Pioneer Energy Services

Dual Compensated Porosity Log

API No.	15-109-21,161-00-00		
Company	Landmark Resources, Inc.	Location	2030' FSL & 336' FEL
Well	LPR No. 1 - 15	County	Logan
Field	Wildcat	State	Kansas
Sec:	15	Twp:	15 S
Rge:	33 W	Other Services	DIL

Permanent Datum	Ground Level	Elevation	2883
Log Measured From	Kelly Bushing	11 Ft. Above Perm. Datum	
Drilling Measured From	Kelly Bushing		
Date	3/15/2013	Elevation	2894
Run Number	One	D.F.	2883
Type Log	CNL / CDL	G.L.	

Depth Driller	4635
Depth Logger	4637
Bottom Logged Interval	4616
Top Logged Interval	3400
Type Fluid In Hole	Chemical
Salinity, PPM CL	6000
Density	9.5
Level	Full
Max. Rec. Temp. F	122
Operating Rig Time	4 Hours
Equipment -- Location	108 Hays
Recorded By	D. Martin
Witnessed By	Terry McLead

Borehole Record				Casing Record			
Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	235	8.625	23#	00	235
Two	7.875	235	TD				

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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

Thank you for using Log-Tech, Inc.
(785) 625-3858

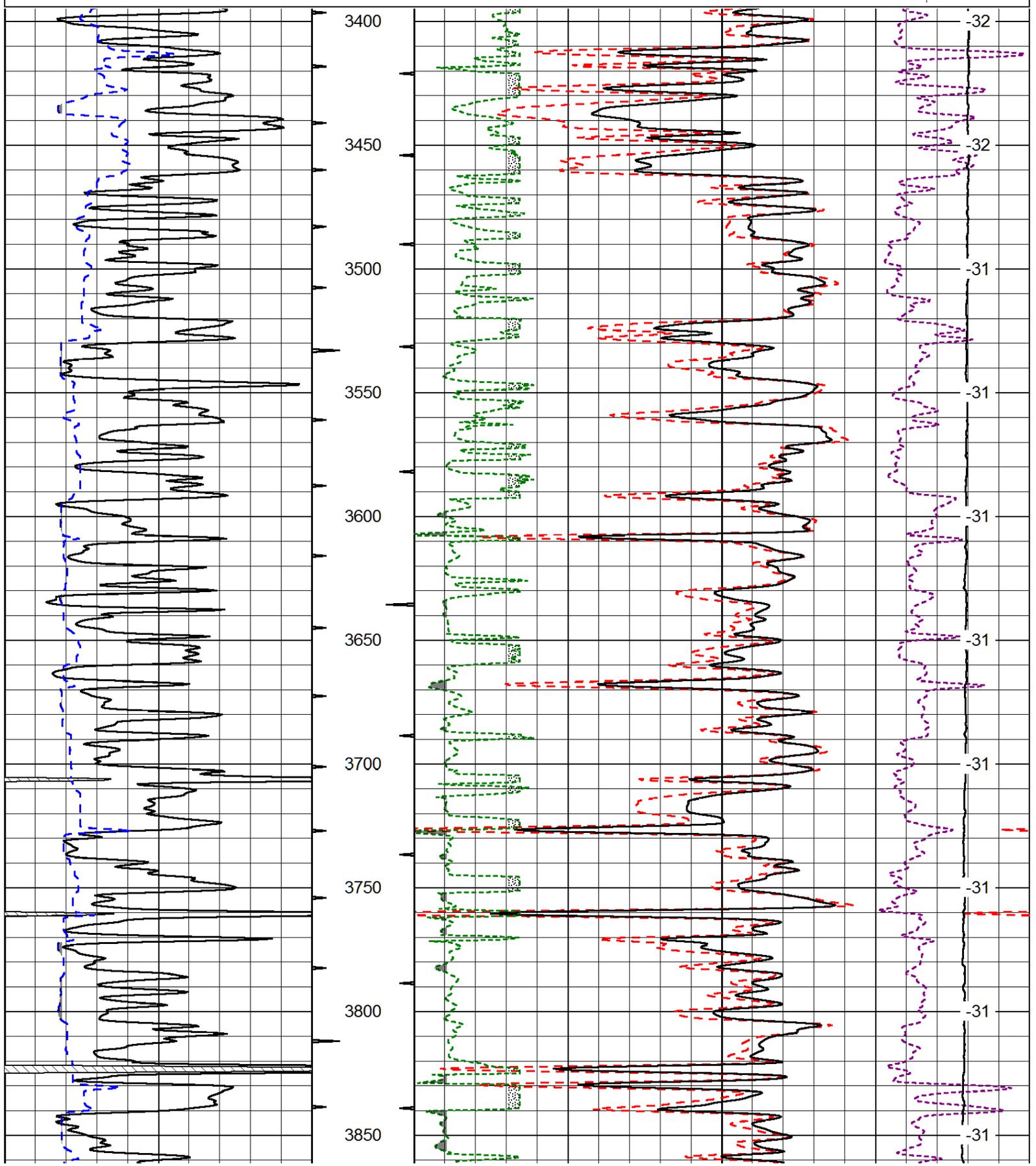
Oakley, KS
23 S to Gold Rd., 4 W to "T",
2 S, 1 W, 1/2 S, W Into

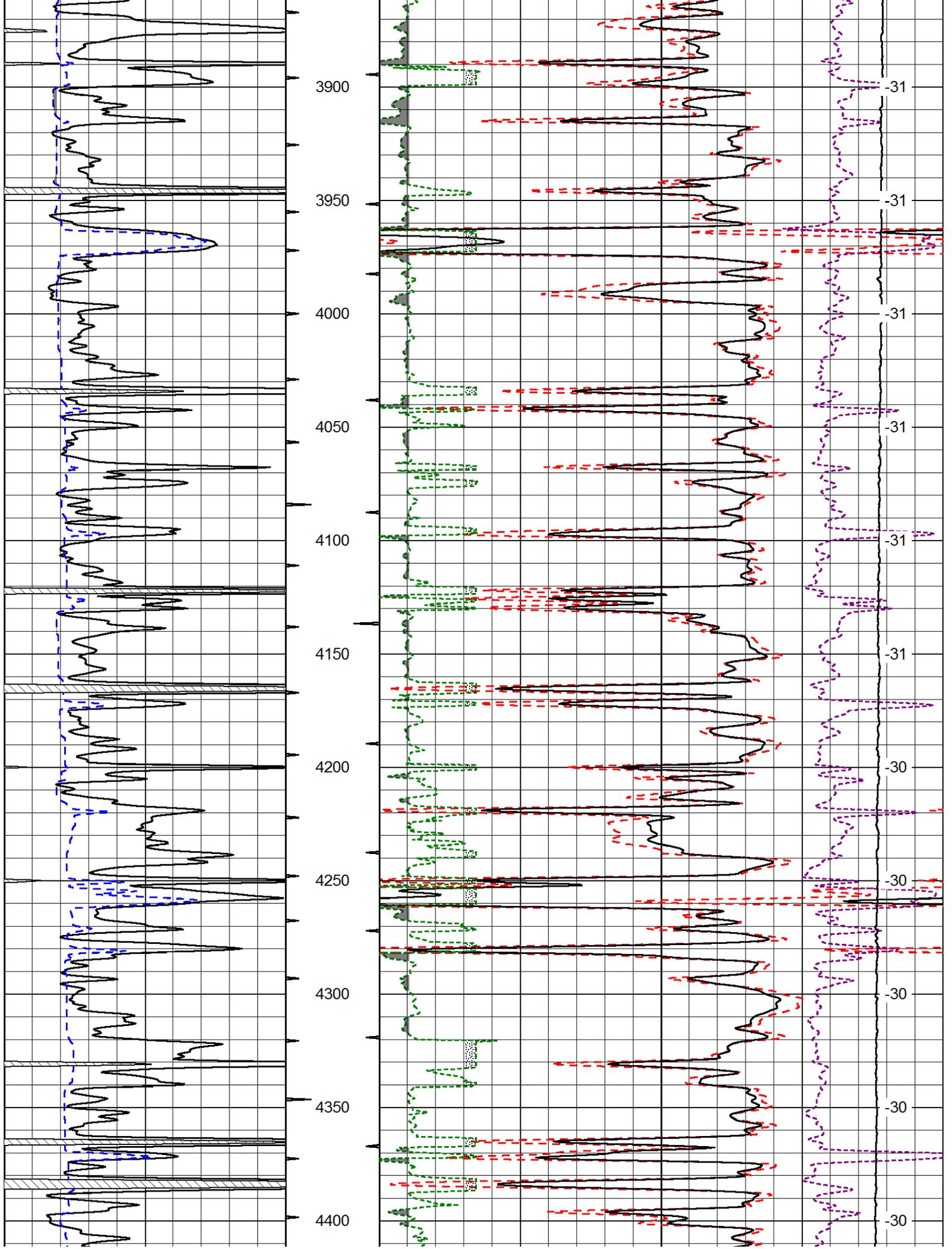
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 Dataset Pathname: DIL/landstk
 Presentation Format: cdl
 Dataset Creation: Fri Mar 15 04:44:29 2013
 Charted by: Depth in Feet scaled 1:600

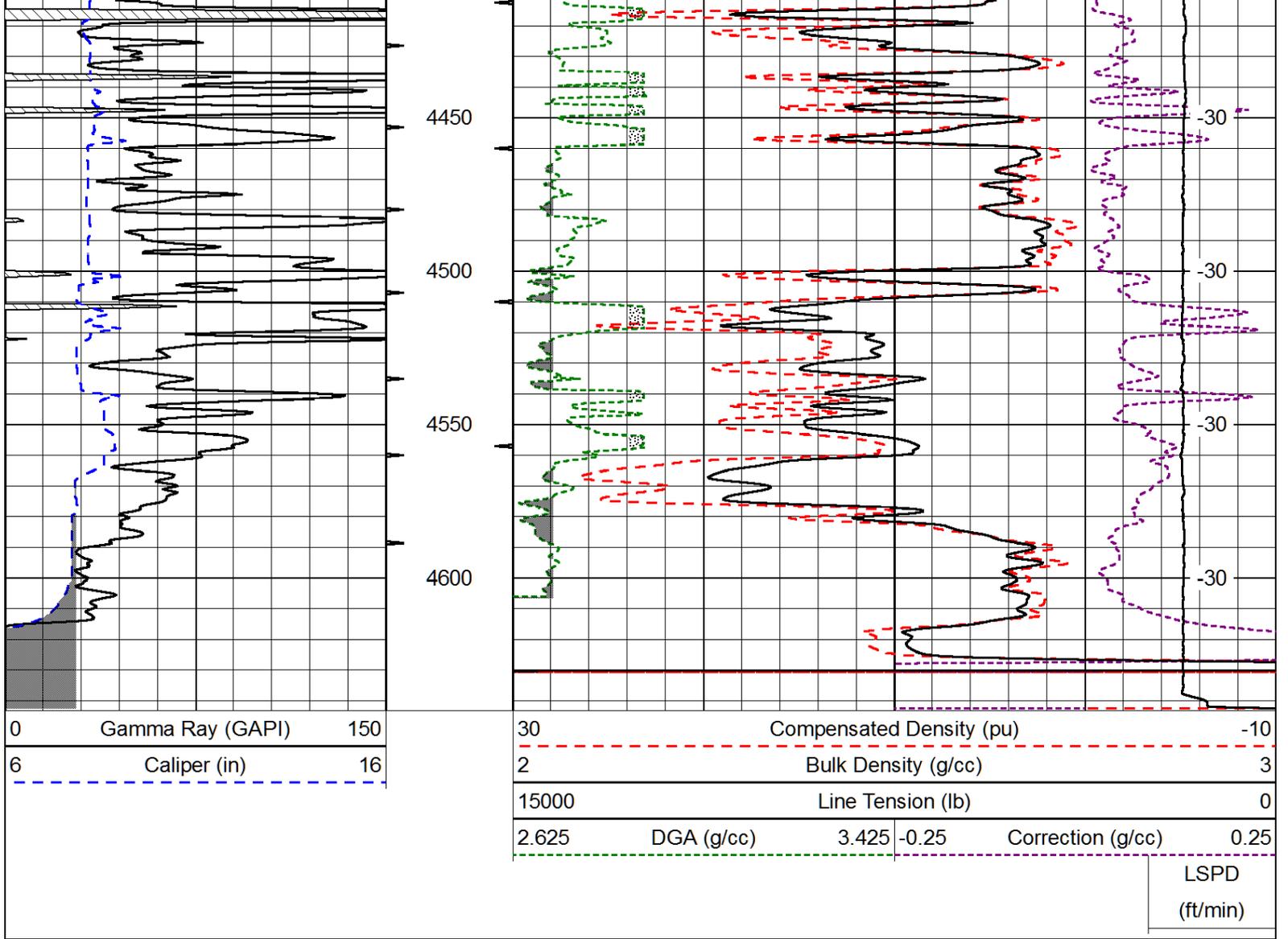
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

30	Compensated Density (pu)		-10
2	Bulk Density (g/cc)		3
15000	Line Tension (lb)		0
2.625	DGA (g/cc)	3.425	-0.25
	Correction (g/cc)		0.25

LSPD
(ft/min)







Database File: landmark_lpr_1-15hd.db
 Dataset Pathname: DIL/landstk
 Presentation Format: cndlspec
 Dataset Creation: Fri Mar 15 04:44:29 2013
 Charted by: Depth in Feet scaled 1:240

