PIONEER
Pioneer Energy Services

RADIAL BOND LOG
GAMMA RAY
CCL

Company	ANADARKO PETROLEUM CORPORATION
Well	PENNINGTON 28N-2HZ
Field	WATTENBERG
County	WELD
State	CO

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Location: API # : 05-123-37770
460' FNL & 237' FEL
SEC 2 TWP 2N RGE 65W

Other Services
NONE

Permanent Datum GROUND LEVEL Elevation 4861'
Log Measured From KELLY BUSHING
Drilling Measured From KB = 13'

Elevation
K.B. 4874'
D.F. 4873'
G.L. 4861'

Date	21 DEC 2013
Run Number	THREE
Depth Driller	11715'
Depth Logger	7245'
Bottom Logged Interval	7235'
Top Log Interval	SURFACE
Open Hole Size	UNK
Type Fluid	WATER
Density / Viscosity	~8.34#/Gal
Max. Recorded Temp.	N/A
Estimated Cement Top	SEE LOG
Time Well Ready	13:00
Time Logger on Bottom	14:00
Equipment Number	96
Location	FT. MORGAN
Recorded By	L. MAVROS
Witnessed By	EDGAR CHAVEZ

Borehole Record				Tubing Record		
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	9.625"	36	SURFACE	1024'
Prot. String	7"	26	SURFACE	7645'
Production String	4.5"	11.6	6570'	11763'
Liner				

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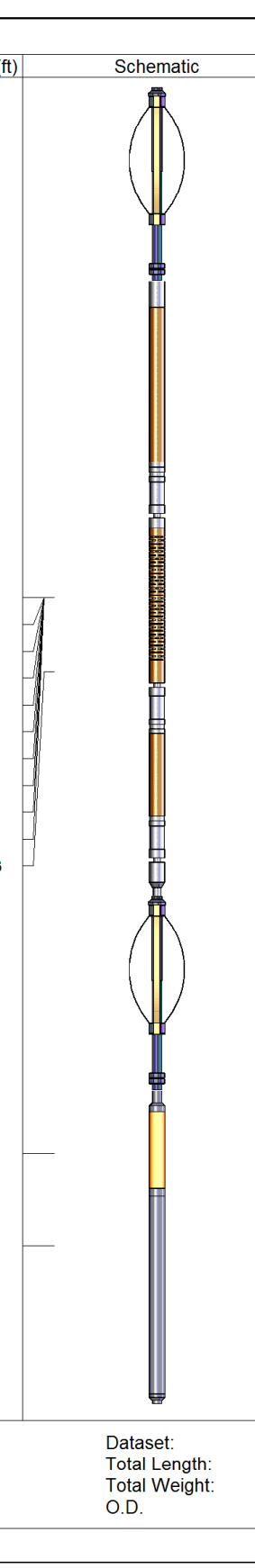
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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

LOGGED @ 2200 PSI

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			PTS275	2.83	2.75	
WVF3FT WVFCAL WVFS1 WVFS2 WVFS3 WVFS4 WVFS5 WVFS6 WVFS7 WVFS8 WVF5FT	11.71 11.71 11.71 11.71 11.71 11.71 11.71 11.71 11.71 11.71 10.63		RBT-Probe (Base) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
			PTS275	2.83	2.75	
CCL GR	3.63 2.30		GR_CCL-Probe (111211) Probe Gamma CCL	4.54	2.75	100.00

Dataset: pennington_28n-2hz.db: field/well/run3/pass3
Total Length: 19.13 ft
Total Weight: 190.00 lb
O.D. 2.75 in

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MAIN LOG PASS

5" = 100'

Database File: pennington_28n-2hz.db
Dataset Pathname: run3/pass3
Presentation Format: scbl02
Dataset Creation: Sat Dec 21 14:57:18 2013 by Log SCH 120430
Charted by: Depth in Feet scaled 1:240

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