ROCKY MOUNTAIN WIRELINE SERVICE

CEMENT BOND LOG
GAMMA RAY / CCL

Company	OXY USA WTP LP
Well	CASCADE CREEK 697-05-22A
Field	GRAND VALLEY
County	GARFIELD
State	COLORADO
API # :	05-045-20361-00
Location:	SHL; 2984' FNL, 2292' FEL.
	SEC 5 TWP 6S RGE 97W
Other Services	

		Elevation	
Permanent Datum	G.L.	Elevation	8426'
Log Measured From	K.B.	Ft Above PD	30.0'
Drilling Measured From	K.B.		

Elevation
K.B. 8456'
D.F. 8455'
G.L. 8426'

Date	11/01/2011		
Run Number	ONE		
Depth Driller	2670'		
Present Depth Driller			
Depth Logger	2616'		
Bottom Logged Interval	2615'		
Top Log Interval	30'		
Fluid Level	36'		
Type Fluid	WATER		
Max. Recorded Temp.	N/A		
Estimated Cement Top			
Equipment Number	214		
Location	GRAND JCT.		
Recorded By	MCBROOM	BRANSON	
Witnessed By	MR. KNEESE		

Borehole Record				Casing Record			
Run Number	Bit	From	To	Size	Weight	From	To
				9.625"	36 #	SURFACE	2693'

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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.

WARRIOR 7.0 SOFTWARE - Comments

NOTE; THERE WAS NO LOG TO TIE INTO.
CSASING PSI = STATIC
5" = 100'

Calibration Report

Database File: 11-1-11_oxy_697-05-22a.db
Dataset Pathname: mainpass/pass1.2
Dataset Creation: Tue Nov 01 18:58:48 2011 by Calc SCH 110722

Gamma Ray Calibration Report

Serial Number:	TEKCO234_315	
Tool Model:	TEKCO234	
Performed:	Sun Aug 08 16:24:56 2010	
Calibrator Value:	1.0	
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.1000	/cps

CBL Calibration Report

Serial Number:	TEKCO_8009		
Tool Model:	TEKCO		
Performed:	Tue Nov 01 18:58:44 2011		
Depth:	202.681	ft	
Casing Diameter:	9.625	in	
	3' Spacing	5' Spacing	
Signal Zero:	1.000	1.000	mV
Calibrated Amplitude:	51.280	51.280	mV
Reading at Signal Zero:	0.000	0.000	V
Reading in Free Pipe:	0.697	1.217	V
Gain:	72.167	41.324	
Offset:	1.000	1.000	

ROCKY MOUNTAIN WIRELINE SERVICE

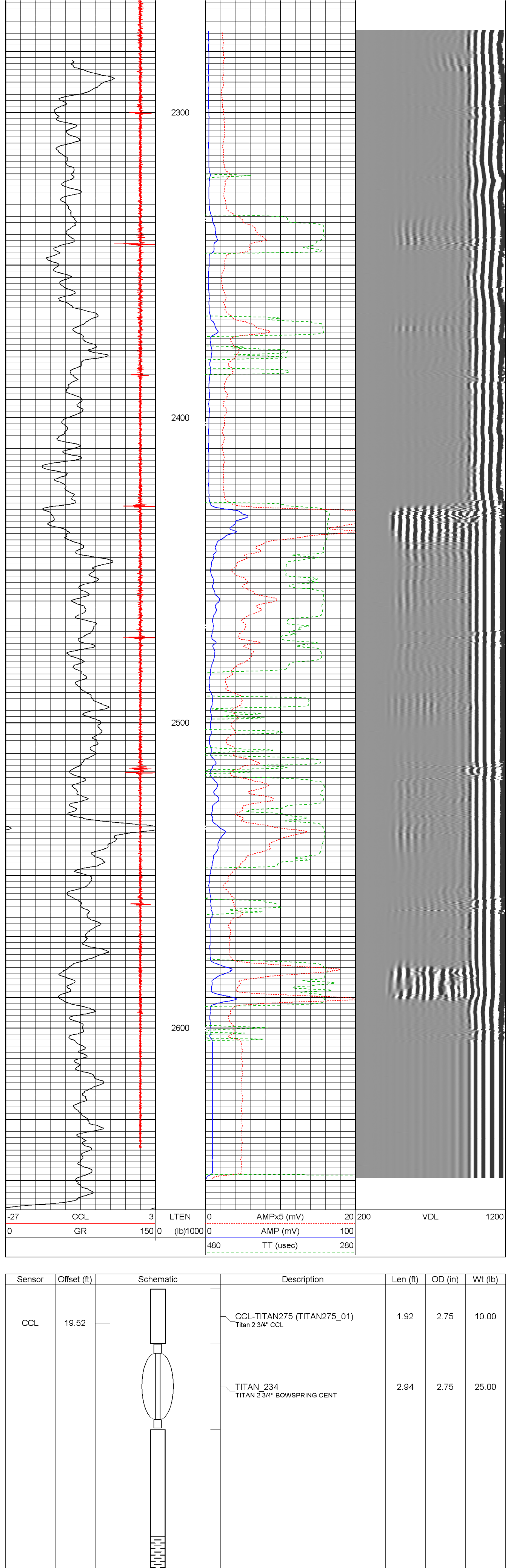
MAIN PASS

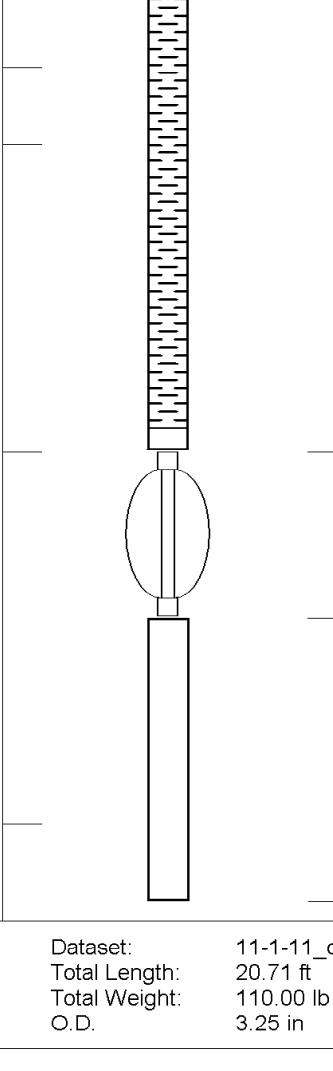
Database File: 11-1-11_oxy_697-05-22a.db
Dataset Pathname: mainpass/pass1.2
Presentation Format: rmws_dsc
Dataset Creation: Tue Nov 01 18:58:48 2011 by Calc SCH 110722
Charted by: Depth in Feet scaled 1:240

ROCKY MOUNTAIN WIRELINE SERVICE

REPEAT PASS

Database File: 11-1-11_oxy_697-05-22a.db
Dataset Pathname: downpass/pass3.2
Presentation Format: rmws_dsc
Dataset Creation: Tue Nov 01 19:24:05 2011
Charted by: Depth in Feet scaled 1:240



Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
CCL	19.52		CCL-TITAN275 (TITAN275_01) Titan 2 3/4" CCL	1.92	2.75	10.00
			TITAN_234 TITAN 2 3/4" BOWSPRING CENT	2.94	2.75	25.00
WVF3FT	10.85		CBLTEKCO-TEKCO (TEKCO_8009) DEMO TOOL - DEMINSIONS INVALID	10.00	3.25	50.00
WVF5FT	9.85					
WVFSYNC	5.85		TITAN169 Titan 1 11/16" Centralizer	2.17	1.69	5.00
GR	1.00		GR-TEKCO234 (TEKCO234_315) Tekco 2 3/4" Gamma Ray	3.69	2.75	20.00

Dataset: 11-1-11_oxy_697-05-22a.db: field/well/mainpass/pass1.2
Total Length: 20.71 ft
Total Weight: 110.00 lb
O.D.: 3.25 in