

Borehole Profile Log

Company: DCP Midstream LP

Well: ZIA AGI D2

Field: AGI Devonian Exploration

County: Lea State: New Mexico

Borehole Profile Log

Lea
AGI Devonian Exploration
1893' FSL & 950' FWL
ZIA AGI D2
DCP Midstream LP

1893' FSL & 950' FWL	Elev.:	K.B.	3574.00 ft
Section:19, Township: T19S, Abstract:R32S		G.L.	3547.00 ft
		D.F.	3573.00 ft
Permanent Datum:	Ground Level	Elev.:	3547.00 f
Log Measured From:	Kelly Bushing	27.00 ft	above Perm.Datum
Drilling Measured From:	Kelly Bushing		
API Serial No.	Section:	Township:	Abstract:
30-025-42207	19	T19S	R32S

Logging Date 11-Dec-2016

Run Number 2A

Depth Driller 14750.00 ft

Schlumberger Depth 14770.00 ft

Bottom Log Interval 14770.00 ft

Top Log Interval 13635.00 ft

Casing Driller Size @ Depth 7 in @ 13622.00 ft

Casing Schlumberger 13635 ft

Bit Size 6 in

Type Fluid In Hole Fresh Water

Density 8.4 lbm/gal 28 s

Fluid Loss PH 0 cm3 10

MUD Source of Sample Active Tank

RM @ Meas Temp 0.25 ohm.m @ 60 degF

RMF @ Meas Temp 0.13 ohm.m @ 60 degF

RMC @ Meas Temp

Source RMF RMC Calculated

RM @ BHT RMF @ BHT 0.08 @ 206 0.06 @ 206

Max Recorded Temperatures

Circulation Stopped 206 degF

Logger on Bottom 10-Dec-2016 12:30:00

Unit Number 11-Dec-2016 08:15:00

Recorded By Location: 2191 Midland

J.Shtull

Recorded By J.Shtull

Witnessed By Jim Hunter

Disclaimer

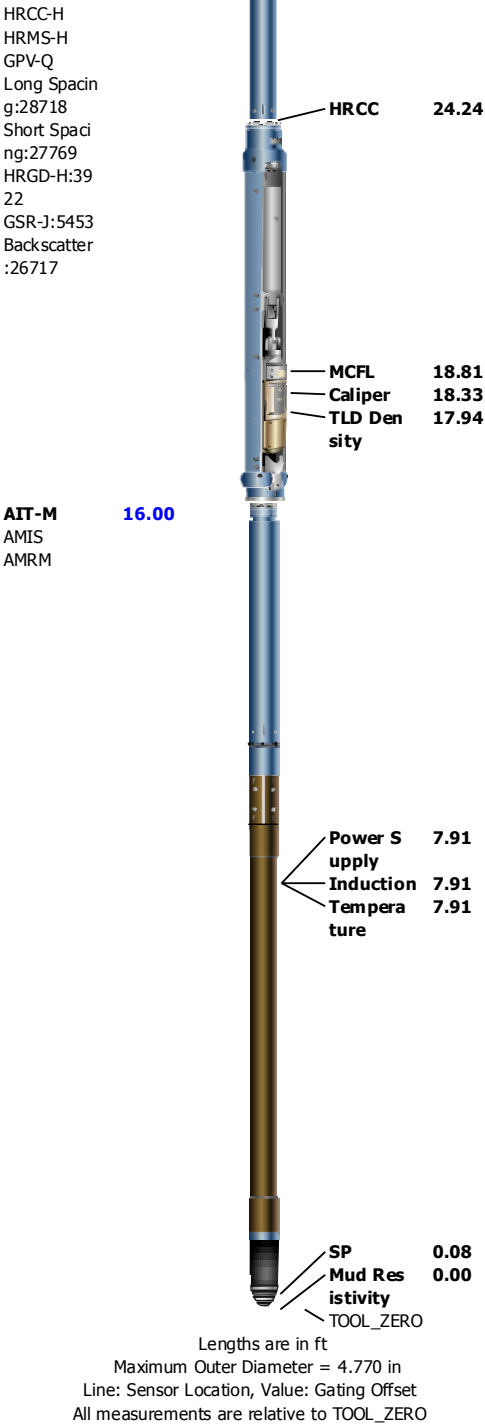
THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

Contents

1. Header
2. Disclaimer
3. Contents
4. Remarks and Equipment Summary
5. Depth Summary
6. 2A Main Pass 2" = 100'
 - 6.1 Integration Summary
 - 6.2 Software Version
 - 6.3 Composite Summary
 - 6.4 Log (Caliper 2 inch General)
7. Tail

Remarks and Equipment Summary

2A: Toolstring				2A: Remarks
Equip name LEH-QC	Length 62.8	MP name	Offset	Thank you for choosing Schlumberger Wireline
				Toolstring ran as per tool sketch
DTC-H ECH-KC DTC-H	60.34	CTEM HV TelStatu s ToolStat us	59.44 0.00 57.34 57.34	Logging program and intervals confirmed with client prior to job
				Limestone matrix used
HNGS-BA:3 65 HEH-K:365 HNGS-BA:3 65	57.34			AIT ran slick due to hole size
				ILE used for eccentralization
		GR	54.35	HGNS corrected for hole size and standoff correction
				Correlation to previous log confirmed with on-site geologist at points: 13500, 13398
				Induction tool ran for resistivity as per client request
				Resistivity data out of tolerance due to borehole condition
HNGC-B:62 3 HNGH-A:41 04 HNGC-B:62 3	49.15	Tel Statu s	47.4	
ILE-F	45.65			
HGNS-B HGNH:2978 NPV-N NSR-F:5064 HMCA-B HGNS-B HACCZ-B:4 19	37.65	Tempera ture GR	37.62 36.91	
		CNL Poro sity HGNS HMCA Accelerometer	30.57 28.24 28.24 0.00	
HDRS-H ECH-MEB:4 916	28.24			



Depth Summary

2A

Depth Measuring Device

Type	IDW-B		
Serial Number	6609		
Calibration Date	03-Jun-2016		
Calibrator Serial Number			
Calibration Cable Type			
Wheel Correction 1	-3		
Wheel Correction 2	-2		

Tension Device

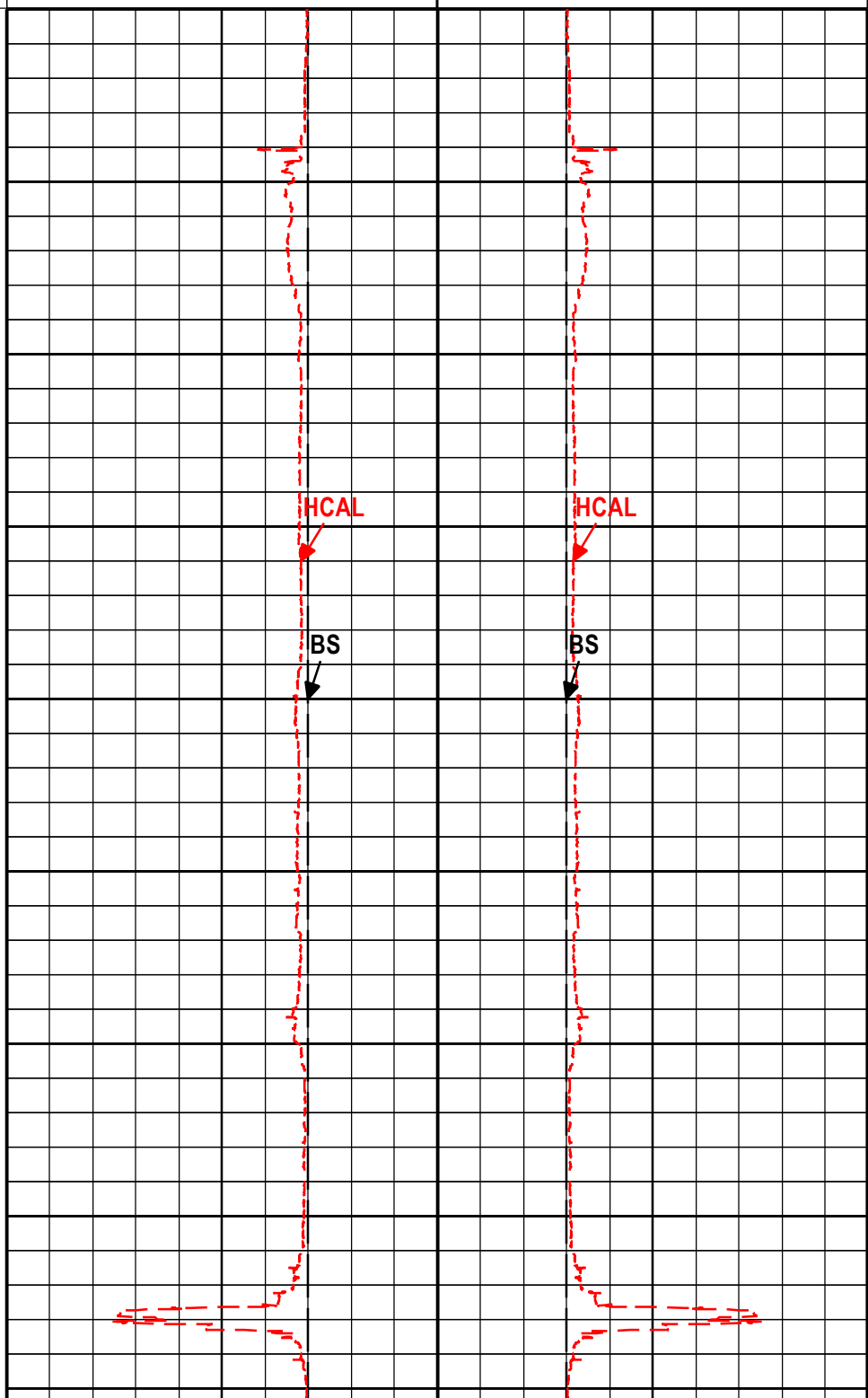
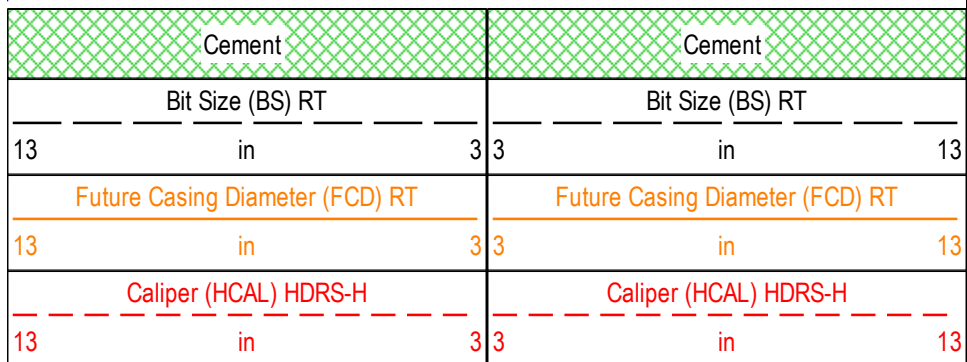
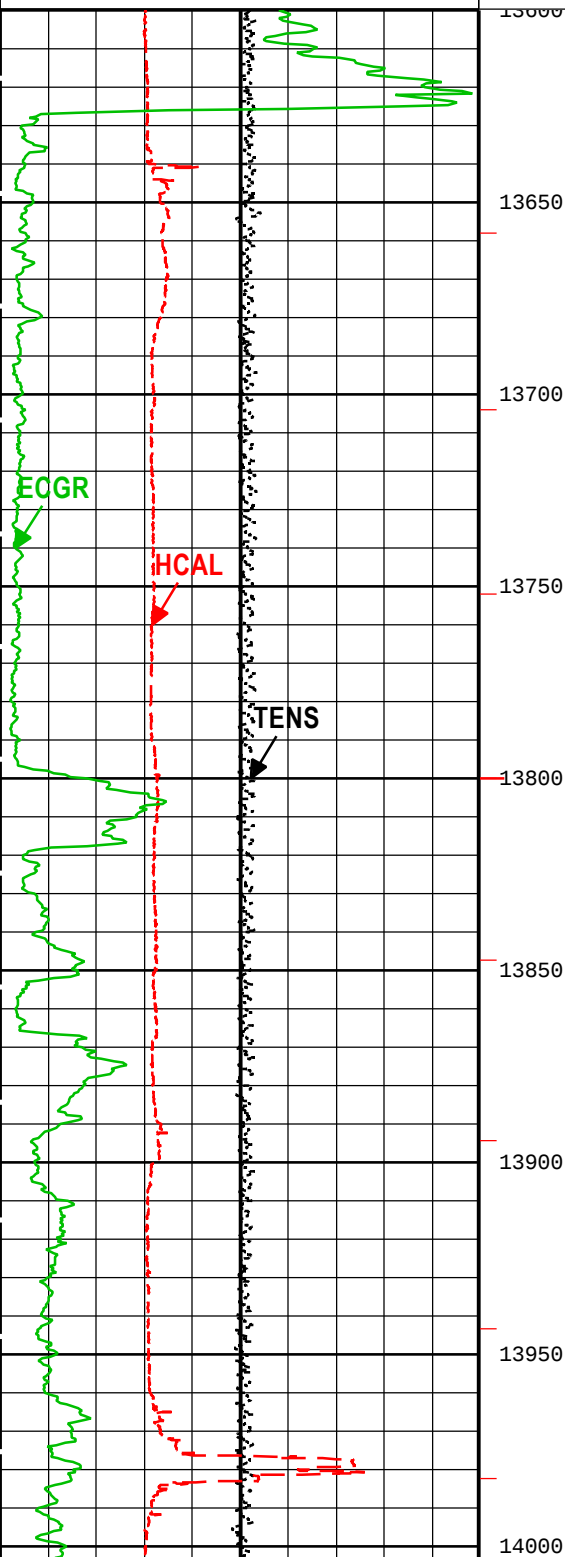
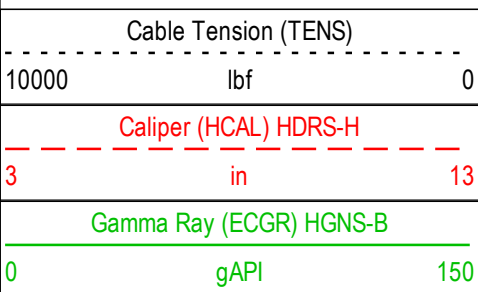
Type	CMTD-B/A		
Serial Number	3500		
Calibration Date	09-Dec-2016		

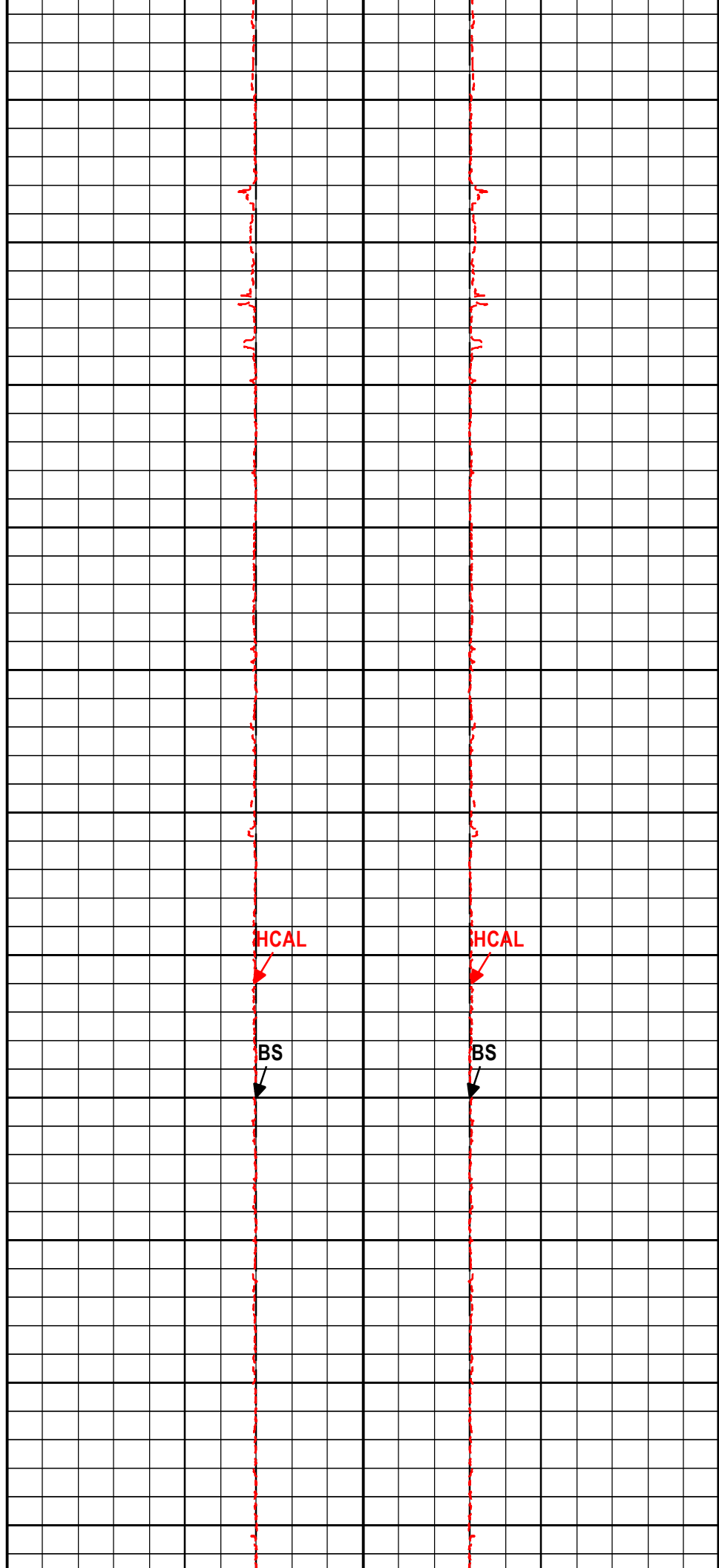
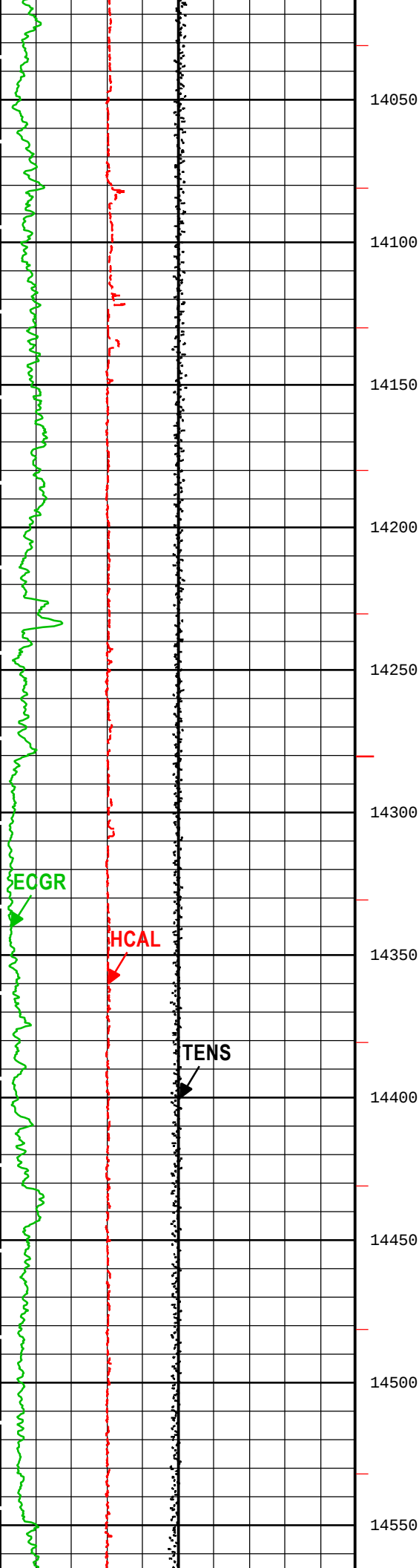
Calibrator Serial Number	13								
Number of Calibration Points	10								
Calibration Root Mean Square Error	10								
Calibration Peak Error	15								
Logging Cable									
Type	7-46P-XS								
Serial Number	U714051								
Length	22100.00 ft								
Conveyance Type	Wireline								
Rig Type	Land								
2A:Depth Control Parameters		Depth Control Remarks							
Log Sequence	Subsequent Log In the Well	IDW used as primary depth control device							
Reference Log Name	"Platform Express" - D.Krebs	ZChart used as secondary depth control device							
Reference Log Run Number	1A	Correlation confirmed with onsite geologist							
Reference Log Date	29-Nov-2016								
2A									
Main Pass 2" = 100'									
Integration Summary									
Output Channel(s)	Output Description	Input Parameter	Output Value	Unit					
ICV	Integrated Cement Volume	GCSE_UP_PASS, FCD	0	ft3					
IHV	Integrated Hole Volume	GCSE_UP_PASS	235	ft3					
Software Version									
Acquisition System			Version						
Maxwell 2016 SP3			6.3.75395.3100						
Application Patch			Wireline_Hotfix-MAST-2016SP3_6.3.77788						
Pass Summary									
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
2A	Log[4]:Up	Up	13328.05 ft	14782.97 ft	11-Dec-2016 8:47:35 AM	11-Dec-2016 9:38:53 AM	ON	-5.43 ft	Yes
All depths are referenced to toolstring zero									
Log		Company:DCP Midstream LP Well:ZIA AGI D2 2A: Log[4]:Up:S029							
Description: HRLT BASIC LOG Format: Log (Caliper 2 inch General) Index Scale: 2 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 11-Dec-2016 15:00:52									
Channel	Source	Sampling							
BS	Borehole	6in - RT							
CALI	HDRS-H:HRCC-H:HRCC-H	1in							
FCD	Borehole	6in - RT							
GR	HGNS-B:HGNS-B:HGNS-B	6in							
ICV	Borehole	6in - RT							
IHV	Borehole	6in - RT							
TENS	WLWorkflow	1in							
TIME_1900	WLWorkflow	0.1in							
└─ IHV - Integrated Hole Volume every 100.00 (ft3)									
TIME_1900 - Time Marked every 60.00 (s)									

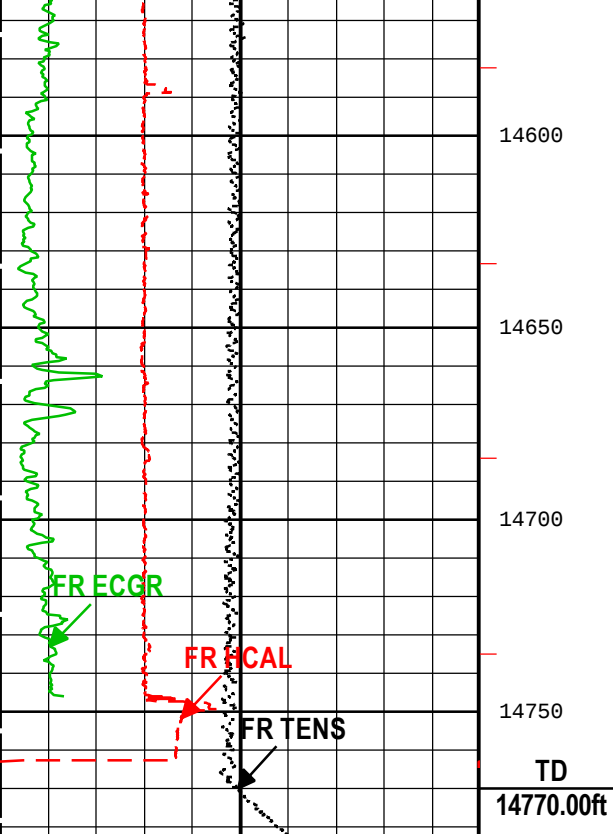
| IHV - Integrated Hole Volume every 10.00 (ft3)

| ICV - Integrated Cement Volume every 100.00 (ft3)

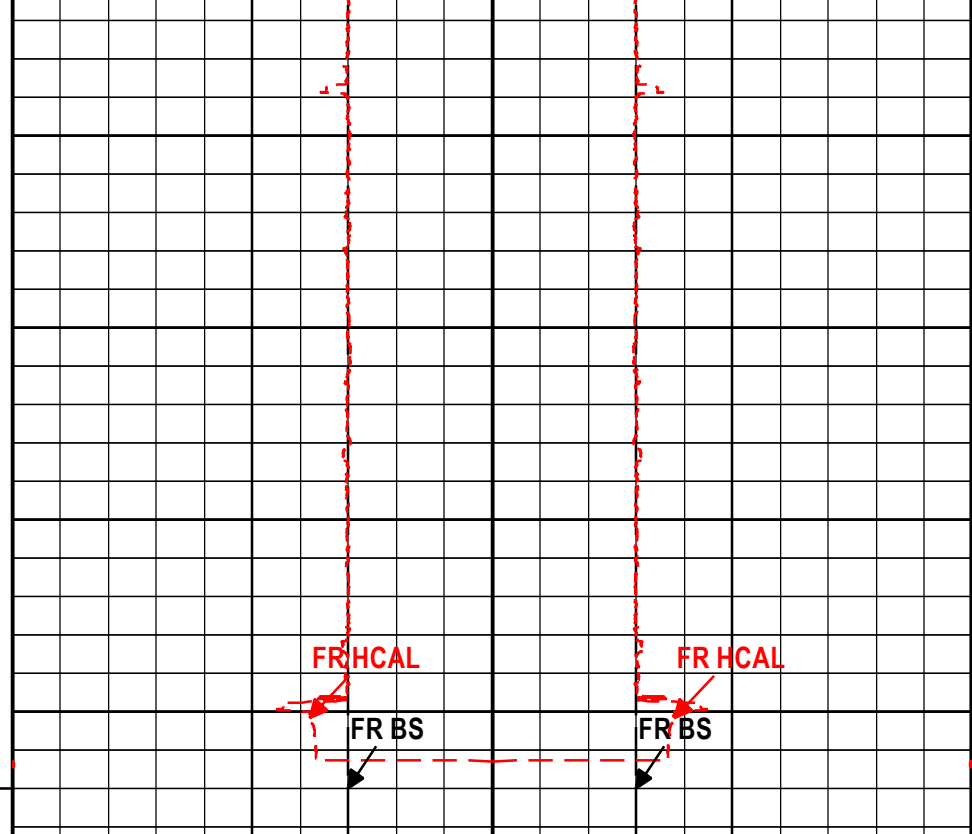
| ICV - Integrated Cement Volume every 10.00 (ft3)







Cable Tension (TENS)		
10000	lbf	0
Caliper (HCAL) HDRS-H		
3	in	13
Gamma Ray (ECGR) HGNS-B		
0	gAPI	150



Cement			Cement		
Bit Size (BS) RT			Bit Size (BS) RT		
13	in	3	3	in	13
Future Casing Diameter (FCD) RT			Future Casing Diameter (FCD) RT		
13	in	3	3	in	13
Caliper (HCAL) HDRS-H			Caliper (HCAL) HDRS-H		
13	in	3	3	in	13

—ICV - Integrated Cement Volume every 10.00 (ft3)

—ICV - Integrated Cement Volume every 100.00 (ft3)

—IHV - Integrated Hole Volume every 10.00 (ft3)

TIME_1900 - Time Marked every 60.00 (s)

—IHV - Integrated Hole Volume every 100.00 (ft3)

Description: HRLT BASIC LOG Format: Log (Caliper 2 inch General) Index Scale: 2 in per 100 ft Index Unit: ft Index Type: Measured Depth
Creation Date: 11-Dec-2016 15:00:52

Company:	DCP Midstream LP	Schlumberger
Well:	ZIA AGI D2	
Field:	AGI Devonian Exploration	
County:	Lea	
State:	New Mexico	
Borehole Profile Log		