CEMENT BOND LOG

gyrodata

Company	ConocoPhillips, Inc.
Well	Prosper Farms 4-65 11-12 3CH
Field	----
County	Arapahoe
State	Colorado

Company ConocoPhillips, Inc.
Well Prosper Farms 4-65 11-12 3CH
Field ----
County Arapahoe State Colorado

API #: 05 005 07382
Location: Lat: 39 42' 2.59" Lon: -104 38' 20.731"
SEC: 11 TWP: 4S RGE: 65W

Other Services

Elevation: K.B. 5694.7 D.F. 5693.7 G.L. 5668

Permanent Datum:	Ground Level Elevation: 5668
Log Measured From:	Kelly Bushing , 26.7 ft. above Permanent Datum.
Drilling Measured From:	Kelly Bushing
Date	18 July 2019
Run Number	One
Plug Back T.D. Driller	----
Plug Back T.D. Logger	----
Bottom Logged Interval	7770
Top Log Interval	Surface
Type Fluid	Water
Density / Viscosity	----
Max Recorded Temp.	235
Time Logger on Bottom	13:45
Equipment Number	GD170
Location	Casper
Recorded By	GS Yarbro
Witnessed By	Mr. Cameron

Casing Record Size	Weight	From	To	Tubing Record Size	Weight	From	To
9 5/8	36	26.7	2156				
5 1/2	20	26.7	17995				

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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.

Ticket #: RM0719PCBW518
Your Crew Today: Baker, Kennicker, Lev
Log Correlated to: Marker Joint @ 6869.5

Cement Data	
Date Cemented	----
Primary / Squeeze	Primary
Type / Weight	----
Main Pass Press.	1000
Repeat Pass Press.	----

Comments

Estimated Top of Cement (20 % Bond Index) at 1000 feet

Bond Index

Index %	Est Top Depth
20 % Bond	1000
40 % Bond	2210
60 % Bond	2260
80 % Bond	3230
100 % Bond	7150

Thank you for using Gyrodata

Eric Regnier: Rocky Mountain Wireline Manager EricR@Gyrodata.com

Log Variables

Databased:\warrior\data\20190718_cop_prosper farms 4-65 11-12 3ch_cbl\20190718_cop_prosper
Dataset field/well/run1/pass3.1/_vars_

Top - Bottom

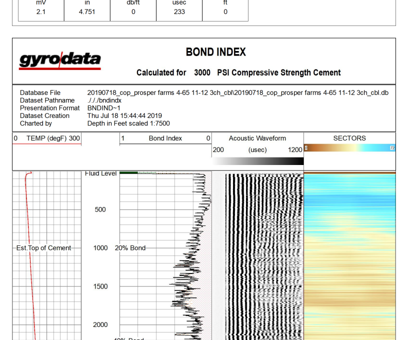
BHTEMP_Src	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	CASEWGHT lb/ft	MAXAMPL mV	MaxAPIID in
TEMP	8.5	100	5.5	0.361	20	71.9	4.923

MINAMPL mV	MinAPIID in	MINATTN db/ft	PPT usec	TDEPTH ft
2.1	4.751	0	233	0

BOND INDEX

Calculated for 3000 PSI Compressive Strength Cement

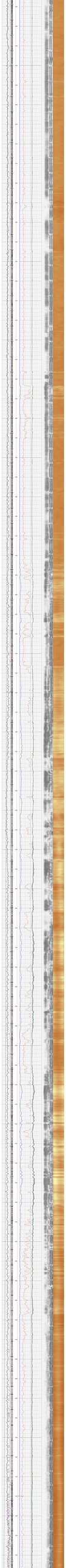
Database File	20190718_cop_prosper farms 4-65 11-12 3ch_cbl\20190718_cop_prosper farms 4-65 11-12 3ch_cbl.db
Dataset Pathname	./././bndindx
Presentation Format	BNDIND~1
Dataset Creation	Thu Jul 18 15:44:44 2019
Charted by	Depth in Feet scaled 1:7500

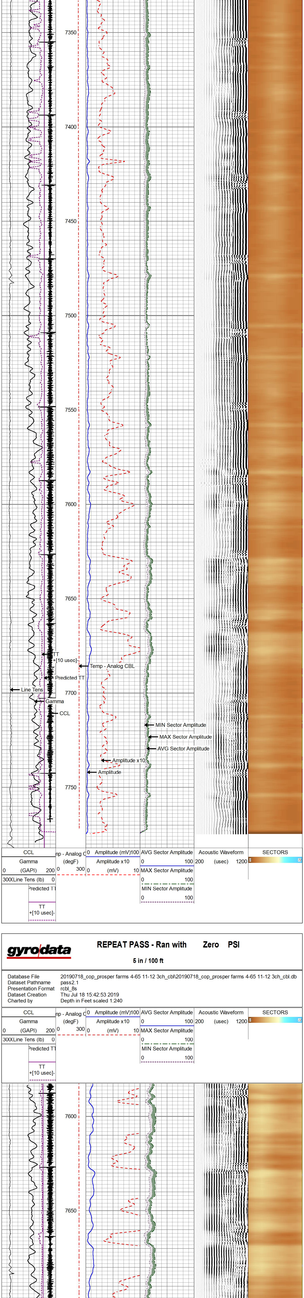


MAIN PASS - Ran with 1000 PSI

5 in / 100 ft

Database File	20190718_cop_prosper farms 4-65 11-12 3ch_cbl\20190718_cop_prosper farms 4-65 11-12 3ch_cbl.db
Dataset Pathname	pass3.1
Presentation Format	rcbl_8s
Dataset Creation	Thu Jul 18 15:41:44 2019
Charted by	Depth in Feet scaled 1:240

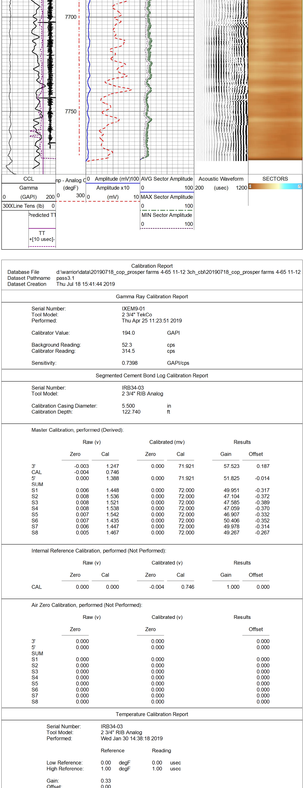




REPEAT PASS - Ran with Zero PSI

5 in / 100 ft

Database File	20190718_cop_prosper farms 4-65 11-12 3ch_ctd\20190718_cop_prosper farms 4-65 11-12 3ch_ctd.db
Dataset Pathname	pass2.1
Presentation Format	rotd_ftb
Dataset Creation	Thu Jul 18 15:42:53 2019
Charted by	Depth in Feet scaled 1:240



Calibration Report

Database File	d:\warrior\data\20190718_cop_prosper farms 4-65 11-12 3ch_ctd\20190718_cop_prosper farms 4-65 11-12
Dataset Pathname	pass3.1
Dataset Creation	Thu Jul 18 15:41:44 2019

Gamma Ray Calibration Report

Serial Number:	06SMB-01	
Tool Model:	2 3/4" NaI SnCo	
Performed:	Thu Apr 25 11:23:51 2019	
Calibrator Value:	194.0	GAPI
Background Reading:	52.3	cps
Calibrator Reading:	314.5	cps
Sensitivity:	0.7398	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	IRB34-03	
Tool Model:	2 3/4" RIB Analog	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	122.740	ft

Maxlor Calibration, performed (Derived):

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.003	1.247	0.000	71.921	57.523	0.187
CAL	-0.004	0.746				
5'	0.000	1.388	0.000	71.921	51.825	-0.014
SUM						
S1	0.006	1.448	0.000	72.000	49.651	-0.317
S2	0.008	1.536	0.000	72.000	47.104	-0.372
S3	0.008	1.521	0.000	72.000	47.585	-0.389
S4	0.008	1.538	0.000	72.000	47.059	-0.370
S5	0.007	1.542	0.000	72.000	46.907	-0.332
S6	0.007	1.435	0.000	72.000	50.406	-0.352
S7	0.006	1.447	0.000	72.000	49.978	-0.314
S8	0.005	1.467	0.000	72.000	49.267	-0.267

Internal Reference Calibration, performed (Not Performed):

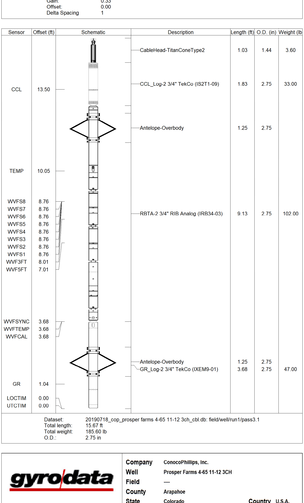
	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	-0.004	0.746	1.000	0.000

Air Zero Calibration, performed (Not Performed):

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000

Temperature Calibration Report

Serial Number:	IRB34-03			
Tool Model:	2 3/4" RIB Analog			
Performed:	Wed Jan 30 14:38:18 2019			
	Reference		Reading	
Low Reference:	0.00	degF	0.00	usec
High Reference:	1.00	degF	1.00	usec
Gain:	0.33			
Offset:	0.00			
Delta Spacing:	1			



Dataset:	20190718_cop_prosper farms 4-65 11-12 3ch_ctd.db: field/well/run1/pass3.1
Total length:	15.67 ft
Total weight:	165.60 lb
O.D.	2.75 in

Company	ConocoPhillips, Inc.		
Well	Prosper Farms 4-65 11-12 3CH		
Field	—		
County	Arapahoe		
State	Colorado	Country	U.S.A.