PIONEER
Pioneer Energy Services

CEMENT BOND LOG WITH GAMMA RAY

Company	STELBAR OIL CORP INC.
Well	GREEN # 1-6
Field	DE NOVA
County	WASHINGTON
State	COLORADO

Company STELBAR OIL CORP INC.
Well GREEN # 1-6
Field DE NOVA
County WASHINGTON State COLORADO

Location: API # : 05121096640000
1093 FSL ; 990 FEL
SEC 6 TWP 2S RGE 49W

Other Services: NONE

Permanent Datum GL Elevation 4423'
Log Measured From KB 7'
Drilling Measured From KB

Elevation: K.B. 4430', D.F. 4429', G.L. 4423'

Date of Service	10-30-15	
Run Number	ONE	
Depth Driller or PBTD	3136'	
Depth Logger	2200'	
Bottom Log Interval	2200'	
Top Log Interval	SURFACE	
Open Hole Size	7.875"	
Type Fluid	FSW	
Fluid Level	SURFACE	
Fluid Density	N/A	
Max. Recorded Temperature	N/A	
Max. Wellhead Pressure	N/A	
Wellhead Connection	N/A	
Estimated Cement Top	SEE LOG	
Unit Number	P-109	
Wireline Size	.250"	
Location	FT MORAGAN	
Recorded By	W.DOLPH	S. SCHUMAN
Witnessed By	MR. LUNN	

	Size	Wt/Ft	Top	Bottom
Tubing Record				
Surface Casing	8.625"	24#	SURFACE	317'
Production Casing	4.5"	10.5#	SURFACE	3140'
Liner Record				

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not 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.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.
LOG CORRELATED TO RIG KB
NO CLEAN CASING PRESENT TO RUN A FREE PIPE PASS

THANK YOU FOR USING PIONEER ENERGY SERVICES

Your Pioneer Energy Services Crew	Tool Data - Services	Serial Number
Engineer: SCHUMAN	CBL	141168
Operator: DOLPH		
Operator: TORREZ		
Operator:		

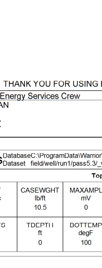
Log Variables

Database C:\ProgramData\Warrior\Data\green #1-6_stalbar_rbt.db
Dataset field/well/run1/pass5.3/_vars_

Top - Bottom

BHTEMP_Src	PPT usec	CASEWGHT lb/ft	MAXAMPL mV	MINAMPL mV	MINATTN db/ft	SRFTEMP degF	CASETHCK in
TEMP	0	10.5	0	1	0.08	0	0

CASEOD in	PERFS	TDEPTH ft	BOTTEMP degF	BOREID in
4.5	0	0	100	7.875



Sensor	Offset (ft)	Description	Length (ft)	O.D. (in)	Weight (lb)
		CHD-Titan Titan Type II Cable Head	1.03	1.44	5.00
		CENT-Probe 2 3/4" Probe Adjustable Spring Centralizer	2.88	2.75	15.00
IntTemp	14.92				
TEMP	13.90				
WVFS8	11.67	RBT-RBT-C3 (141168_4in) Probe Radii Bond Tool with Digital Telemetry	9.21	2.75	100.00
WVFS7	11.67				
WVFS6	11.67				
WVFS5	11.67				
WVFS4	11.67				
WVFS3	11.67				
WVFS2	11.67				
WVFS1	11.67				
WVFCAL	11.67				
WVF3FT	11.67				
WVF5FT	10.67				
		CENT-Probe 2 3/4" Probe Adjustable Spring Centralizer	2.88	2.75	15.00
CCL	3.67				
GR	2.30	GR_CCL-Probe_Digital (Base)	4.54	2.75	75.00

Dataset: green #1-6_stalbar_rbt.db: field/well/run1/pass5.3
Total length: 20.53 ft
Total weight: 210.00 lb
O.D.: 2.75 in

PIONEER
Pioneer Energy Services

MAIN LOG

Logged with 0 PSI applied at surface

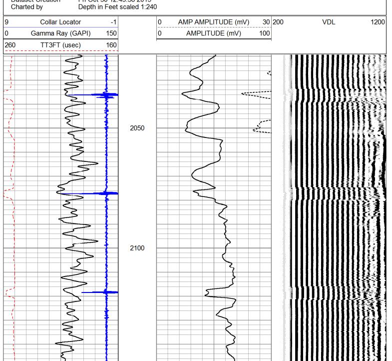
Database File	green #1-6_stalbar_rbt.db
Dataset Pathname	pass5.3
Presentation Format	cbl_drs
Dataset Creation	Fri Oct 30 12:33:46 2015
Charted by	Depth in Feet scaled 1:240

PIONEER
Pioneer Energy Services

REPEAT SECTION

Logged with 0 PSI applied at surface

Database File	green #1-6_stalbar_rbt.db
Dataset Pathname	pass4.1
Presentation Format	cbl_drs
Dataset Creation	Fri Oct 30 12:43:38 2015
Charted by	Depth in Feet scaled 1:240



Calibration Report

Database File	green #1-6_stalbar_rbt.db
Dataset Pathname	pass1
Dataset Creation	Fri Oct 30 11:14:03 2015

Gamma Ray Calibration Report

Serial Number:	Base	
Tool Model:	Probe_Digital	
Performed:	Fri Oct 30 11:06:42 2015	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	141168_4in	
Tool Model:	RBT-C3	
Calibration Casing Diameter:	4.500	in
Calibration Depth:	0.033	ft

Master Calibration, performed Fri Oct 30 11:09:01 2015:

	Raw (v) Zero	Raw (v) Cal	Calibrated (mv) Zero	Calibrated (mv) Cal	Results Gain	Results Offset
3'	-0.007	2.105	1.000	81.196	37.000	1.268
CAL	-0.009	2.074				
5'	-0.010	2.040	1.000	81.196	39.131	1.380
SUM						
S1	0.003	2.070	0.000	100.000	48.385	-0.164
S2	0.003	2.080	0.000	100.000	48.132	-0.122
S3	0.000	2.107	0.000	100.000	47.467	-0.020
S4	-0.001	2.097	0.000	100.000	47.663	0.034
S5	-0.003	2.094	0.000	100.000	47.681	0.135
S6	-0.003	2.107	0.000	100.000	47.378	0.161
S7	-0.005	2.107	0.000	100.000	47.362	0.228
S8	-0.006	2.082	0.000	100.000	47.892	0.277

Internal Reference Calibration, performed (Not Performed):

	Raw (v) Zero	Raw (v) Cal	Calibrated (v) Zero	Calibrated (v) Cal	Results Gain	Results Offset
CAL	0.000	0.000	-0.009	2.074	1.000	0.000

Air Zero Calibration, performed (Not Performed):

	Raw (v) Zero	Calibrated (v) Zero	Results 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:	141168_4in	
Tool Model:	RBT-C3	
Performed:	Tue Oct 27 07:46:17 2015	

	Reference	Reading
Low Reference:	0.00 degF	0.00 degF
High Reference:	1.00 degF	1.00 degF

Gain:	0.82
Offset:	7.00
Delta Spacing	1

PIONEER
Pioneer Energy Services

Company	STELBAR OIL CORP INC.
Well	GREEN # 1-6
Field	DE NOVA
County	WASHINGTON
State	COLORADO
Country	USA