Company	RUSSELL OIL, INC.
Well	RUMBACK 'A' #16-1
Field	RUMBACK (EXTENSION)
County	LOGAN
State	KANSAS

PIONEER
Energy Services

MICRORESISTIVITY LOG

Company	RUSSELL OIL, INC.
Well	RUMBACK 'A' #16-1
Field	RUMBACK (EXTENSION)
County	LOGAN
State	KANSAS
Location:	API # : 15-109-21743-00-00
	990' FSL & 1980' FEL
	SE - SE - SW - NE
	Sec. 16 - 14S - 32W
Permanent Datum:	GROUND LEVEL Elevation 3000'
Log Measured From:	KELLY BUSHING 5 Ft. Above Permanent Datum
Drilling Measured From:	KELLY BUSHING

Date	9/23/06
Run Number	ONE
Depth Driller	4700
Depth Logger	4697
Bottom Logged Interval	4697
Top Logged Interval	3700
Type Fluid in Hole	FRESH
Salinity, PPM Cl	1,100
Density	9.1
Viscosity	43
Fluid Loss	8.0
Source of Sample	FLOWLINE
Rm @ Meas. Temp.	0.63 @ 80
Rmf @ Meas. Temp.	0.52 @ 80
Rmc @ Meas. Temp.	0.95 @ 80
Source: Rmf / Rmc	MEASURED / CALC
Rm @ BHT	0.42 @ 100
Time Since Circulation	9
Time Since Stop in Hole	1.5
Max. Rec. Temp.	100
Equipment Number	3-7
Location	HAYS
Recorded By	D. SCHMIDT
Witnessed By	KITT NOAH

Other Services	
	ONCOL

<<< 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.

OAKLEY
FROM THE JUNTION OF HWY 83 AND OLD HWY 40,
2 1/4 SOUTH, WEST & NORTH INTO

Log Measured From: KELLY BUSHING 5 Ft. Above Permanent Datum

THANK YOU FOR USING PIONEER ENERGY SERVICES
www.pioneeres.com 785-625-3858

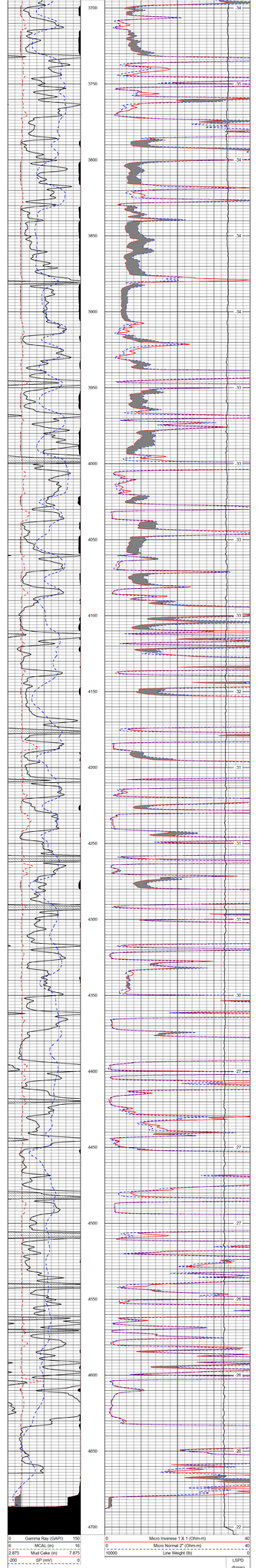
Your Pioneer Energy Services Crew	This Log Record Was Witnessed By
Engineer: D. SCHMIDT	Primary Witness: KITT NOAH
Operator:	Secondary Witness:
Operator:	Secondary Witness:
Operator:	Secondary Witness:

Database File	russell oil_rumback a_16-1hd.db
Dataset Pathname	DILhuddrivl
Presentation Format	micro
Dataset Creation	Fri Sep 23 02:07:26 2016
Charted by	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
6	MCAL (in)	16
2.875	Mud Cake (in)	7.875
-200	SP (mV)	0

0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0

LSPD (ft/min)



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