Company	RUSSELL OIL, INC.
Well	RUMBACK #15-1
Field	RUMBACK (EXTENSION)
County	LOGAN
State	KANSAS

PIONEER

DUAL COMPOSITE LOG

RUSSELL OIL, INC.
RUMBACK #15-1
RUMBACK (EXTENSION)
LOGAN
KANSAS

API No. 15-109-21760-00-00

Sec. 15 Twp. 12 S Rng. 32 W

Elevation: KB 3 ft. Above GL

Location: 330' FSL & 2,310' FEL

Date: 12-Feb-2016

Time: 11:00 AM

Log Number: 1

Run Number: 1

Depth Driller: 4700 ft.

Depth Logger: 4700 ft.

Bottom Log Interval: 4700 ft.

Top Log Interval: 3700 ft.

Casing Driller: 8 5/8 @ 224 ft.

Casing Logger: 224 ft.

Bit Size: 7 7/8 in.

Type Fluid: Gel Chem

Density: 9.0 lb/gal

Viscosity: 52 s

Fluid Loss: 8.0 cc

Source Sample: Flowline

Rm: 1.08 @ 70 °F

Rmf: 0.85 @ 70 °F

Rmc: 1.42 @ 70 °F

Source Rmf: Calc.

Rm @ BHT: 0.56 @ 122 °F

Time Circ.: 3 hrs.

Max. Rec. Temp.: 122 °F

Equip. Number: 8

Location: Hays

Recorded By: K. Schmidt

Witnessed By: Kelly Bushing

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All interpretations, 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 its officers, agents or employees.

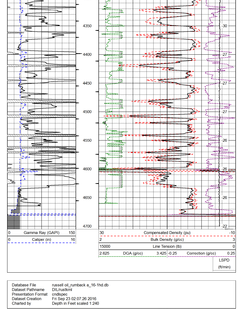
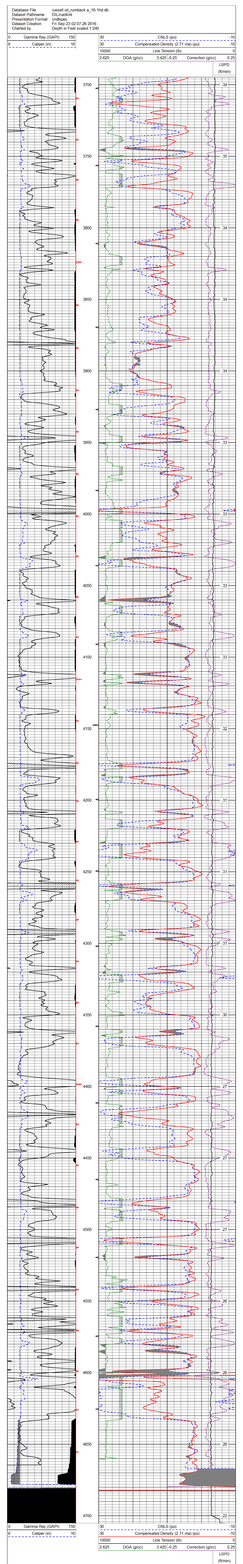
N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.
OAKLEY
FROM THE JUNTION OF HWY 83 AND OLD HWY 40,
2 1/4 SOUTH, WEST & NORTH INTO

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

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

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

Database File: russell oil_rumback e_15-1hd.db
Dataset Pathname: DI:/Junction
Dataset Presentation: Log
Dataset Creation: Fri Sep 23 02:07:26 2016
Charted by: Depth in Feet scaled 1:240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