



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pioneer Resources, Inc
80 Windmill Dr.
Phillipsburg, Ks 67661
ATTN: Jason Alm

13 14s 32w Logan, Ks
Knopp #7
Job Ticket: 61353 **DST#: 3**
Test Start: 2017.04.23 @ 10:19:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 59000 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.59 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 15000.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
450.00	mcw 20m 80w (oil spots)	4.883

Total Length: 450.00 ft Total Volume: 4.883 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: rw is .128 @ 71f = 59000ppm



