



## DRILL STEM TEST REPORT

Prepared For: **Petro Santander USA Inc**

ATTN: Justin Carter

### **Neeley #11**

#### **33-23s-32w Finney, Ks**

Start Date: 2018.08.06 @ 10:04:25

End Date: 2018.08.06 @ 20:39:25

Job Ticket #: 63907                      DST #: 1

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2018.08.06 @ 21:19:38



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Petro Santander USA Inc

**33-23s-32w Finney, Ks**

**Neeley #11**

Job Ticket: 63907

**DST#: 1**

ATTN: Justin Carter

Test Start: 2018.08.06 @ 10:04:25

## GENERAL INFORMATION:

Formation: **Morrow - St Gen**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:52:25

Time Test Ended: 20:39:25

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 79

**Interval: 4792.00 ft (KB) To 4890.00 ft (KB) (TVD)**

Reference Elevations: 2837.00 ft (KB)

Total Depth: 5000.00 ft (KB) (TVD)

2826.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

**Serial #: 8166 Outside**

Press@RunDepth: 166.07 psig @ 4793.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.08.06

End Date:

2018.08.06

Last Calib.:

2018.08.06

Start Time: 10:04:30

End Time:

20:39:25

Time On Btm:

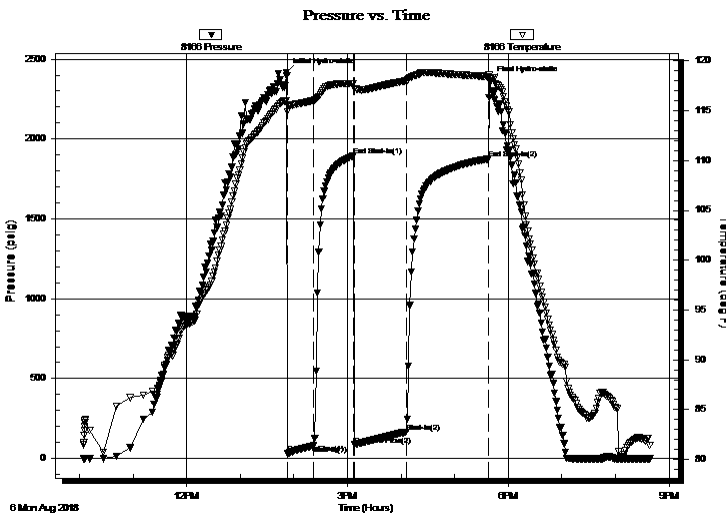
2018.08.06 @ 13:51:25

Time Off Btm:

2018.08.06 @ 17:39:25

**TEST COMMENT:** IF: 1/4 blow built to 9.  
IS: No return.  
FF: BOB in 45 min. 12 1/2"  
FS: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2416.82	116.02	Initial Hydro-static
1	29.94	114.91	Open To Flow (1)
31	80.90	116.02	Shut-In(1)
76	1894.36	117.73	End Shut-In(1)
77	85.19	117.21	Open To Flow (2)
135	166.07	118.01	Shut-In(2)
227	1874.69	118.45	End Shut-In(2)
228	2366.89	118.33	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
188.00	mcw 80%w 20%m	2.64
125.00	mcw oil spots 60%w 40%m	1.75

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Petro Santander USA Inc

**33-23s-32w Finney, Ks**

**Neeley #11**

Job Ticket: 63907

**DST#: 1**

ATTN: Justin Carter

Test Start: 2018.08.06 @ 10:04:25

## 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:

44000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
188.00	mcw 80%w 20%m	2.637
125.00	mcw oil spots 60%w 40%m	1.753

Total Length: 313.00 ft      Total Volume: 4.390 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .13@88=440000

