



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Raymond Oil Co

**24-14-33w Logan, Ks**

**Meyer #1**

Job Ticket: 48270

**DST#: 1**

ATTN: Max Lovely

Test Start: 2015.12.13 @ 01:56:11

## GENERAL INFORMATION:

Formation: **Topeka**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 03:20:11

Time Test Ended: 08:45:26

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane McBride

Unit No: 84

**Interval: 3372.00 ft (KB) To 3473.00 ft (KB) (TVD)**

Reference Elevations: 2722.00 ft (KB)

Total Depth: 3473.00 ft (KB) (TVD)

2717.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 9120 Outside**

Press @ Run Depth: 367.77 psig @ 3373.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.12.13

End Date:

2015.12.13

Last Calib.:

2015.12.13

Start Time: 01:56:11

End Time:

08:36:26

Time On Btm:

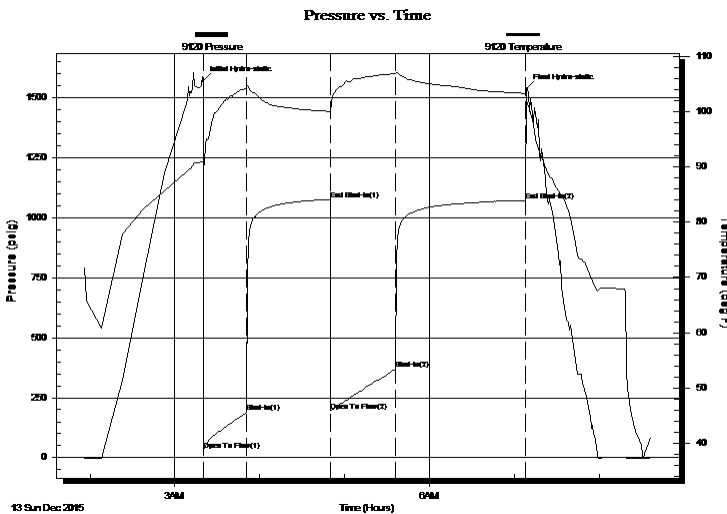
2015.12.13 @ 03:19:56

Time Off Btm:

2015.12.13 @ 07:08:41

**TEST COMMENT:** B.O.B. in 9 min  
Surface return in 5 min.  
B.O.B. in 11 min  
Surface return in 6 min

## PRESSURE SUMMARY



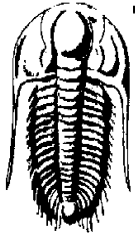
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1570.17	90.78	Initial Hydro-static
1	30.75	90.03	Open To Flow (1)
31	190.23	104.47	Shut-In(1)
90	1075.78	100.10	End Shut-In(1)
91	195.96	100.09	Open To Flow (2)
136	367.77	107.00	Shut-In(2)
228	1071.64	103.32	End Shut-In(2)
229	1536.05	102.41	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
480.00	water 100%w	5.67
120.00	s m c w 10m 90w	1.68
120.00	m c w 40m 60w	1.68

## Gas Rates

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



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Job Ticket: 48270

**DST#: 1**

Test Start: 2015.12.13 @ 01:56:11

### GENERAL INFORMATION:

Formation: **Topeka**  
 Deviated: No Whipstock: 0.00 ft (KB)  
 Time Tool Opened: 03:20:11  
 Time Test Ended: 08:45:26

Test Type: Conventional Bottom Hole (Initial)  
 Tester: Shane McBride  
 Unit No: 84

Interval: **3372.00 ft (KB) To 3473.00 ft (KB) (TVD)**  
 Total Depth: 3473.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Fair

Reference Elevations: 2722.00 ft (KB)  
 2717.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8938**

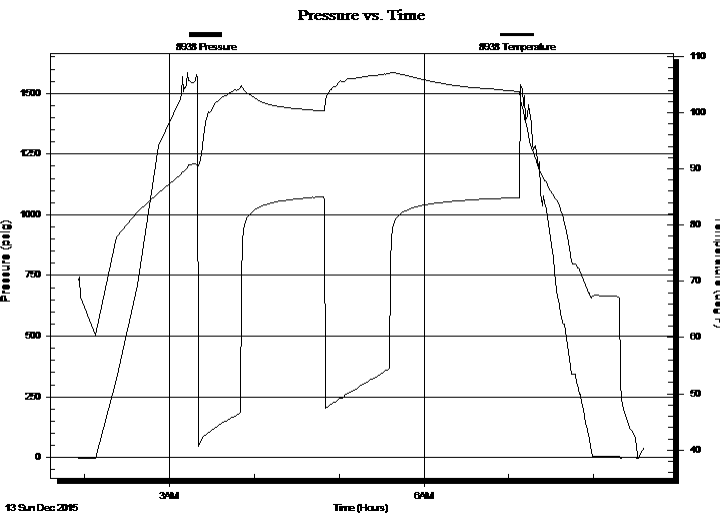
**Inside**

Press @ Run Depth: psig @ 3373.00 ft (KB)  
 Start Date: 2015.12.13  
 Start Time: 01:55:51

Capacity: 8000.00 psig  
 Last Calib.: 2015.12.13  
 End Date: 2015.12.13  
 End Time: 08:36:06  
 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** B.O.B. in 9 min  
 Surface return in 5 min.  
 B.O.B. in 11 min  
 Surface return in 6 min

### PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

### Recovery

Length (ft)	Description	Volume (bbl)
480.00	water 100%w	5.67
120.00	s m c w 10m 90w	1.68
120.00	m c w 40m 60w	1.68

### Gas Rates

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



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# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Raymond Oil Co

**24-14-33w Logan, Ks**

**Meyer #1**

Job Ticket: 48270

**DST#: 1**

ATTN: Max Lovely

Test Start: 2015.12.13 @ 01:56:11

## 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: 20000 ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.60 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 2400.00 ppm		
Filter Cake: 1.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
480.00	water 100%w	5.667
120.00	s m c w 10m 90w	1.683
120.00	m c w 40m 60w	1.683

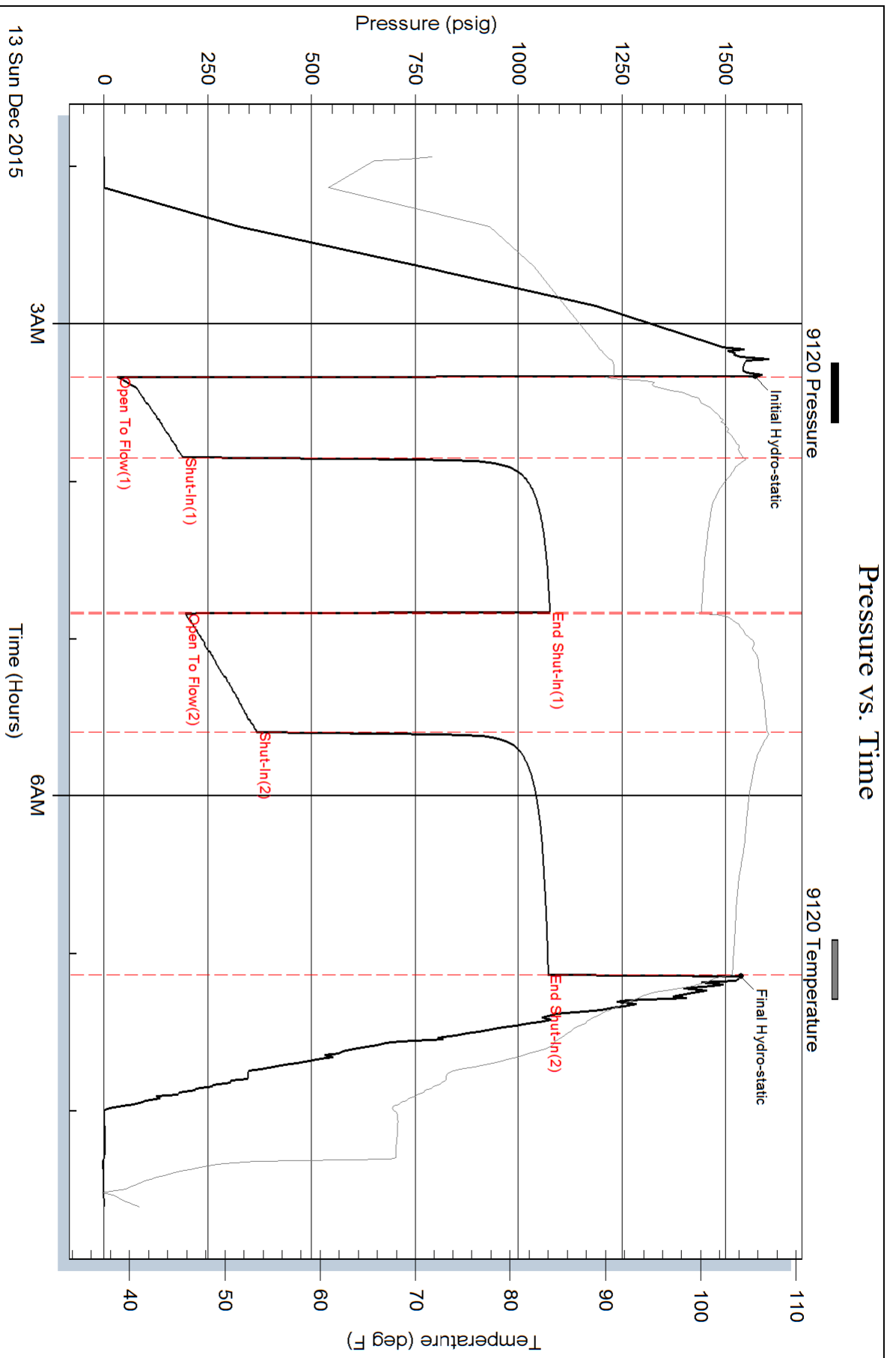
Total Length: 720.00 ft      Total Volume: 9.033 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: rw .402 @ 52\*f =20,000 chlor

### Pressure vs. Time



Serial #: 8938

Inside

Raymond Oil Co

Meyer #1

DST Test Number: 1

