



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Deutsch Oil Co  
 8100 E 22nd St N Bldg 600  
 Wichita KS 67226  
 ATTN: Keith Reavis

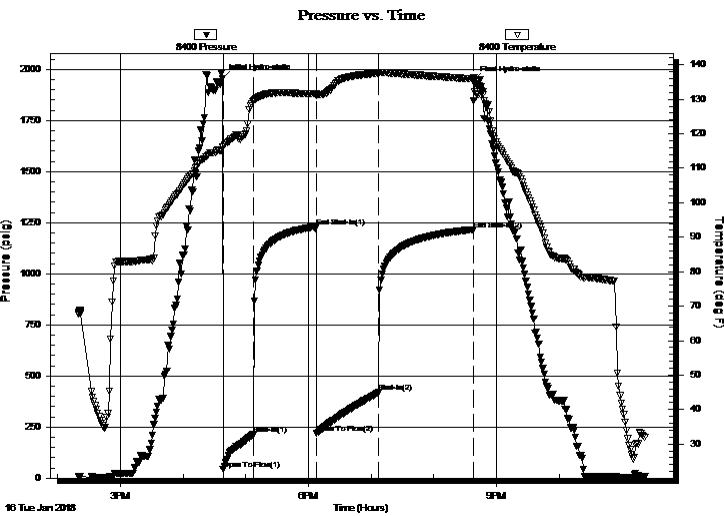
**32 2s 35w Rawlins KS**  
**VPR Unit 1-32**  
 Job Ticket: 64164 **DST#: 2**  
 Test Start: 2018.01.16 @ 14:20:00

## GENERAL INFORMATION:

Formation: **Oread**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 16:38:16  
 Time Test Ended: 23:23:00  
 Interval: **3954.00 ft (KB) To 3998.00 ft (KB) (TVD)**  
 Total Depth: 3998.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Jim Svaty  
 Unit No: 69  
 Reference Elevations: 3155.00 ft (KB)  
 3150.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8400 Outside**  
 Press@RunDepth: 417.96 psig @ 3960.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2018.01.16 End Date: 2018.01.16 Last Calib.: 2018.01.16  
 Start Time: 14:20:01 End Time: 23:22:31 Time On Btm: 2018.01.16 @ 16:37:46  
 Time Off Btm: 2018.01.16 @ 20:38:31

**TEST COMMENT:** 30-IFP- BOB in 8min.  
 60-ISIP- Surace Blow in 3 1/2min. Died in 6min.  
 60-FFP- BOB in 9min.  
 90-FSIP- No Blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1955.15	116.32	Initial Hydro-static
1	41.77	116.17	Open To Flow (1)
30	214.06	129.52	Shut-In(1)
90	1230.41	131.56	End Shut-In(1)
90	219.17	131.10	Open To Flow (2)
150	417.96	137.52	Shut-In(2)
240	1215.91	135.94	End Shut-In(2)
241	1945.62	135.06	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
615.00	MCW 5%w 95%w	6.98
230.00	WCM 20%w 80%w	3.23

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Deutsch Oil Co

**32 2s 35w Rawlins KS**

8100 E 22nd St N Bldg 600  
Wichita KS 67226

**VPR Unit 1-32**

Job Ticket: 64164

**DST#: 2**

ATTN: Keith Reavis

Test Start: 2018.01.16 @ 14:20:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

135000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbf

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

Gas Cushion Type:

Resistivity: 6.80 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: 3.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
615.00	MCW 5%m 95%w	6.978
230.00	WCM 20%w 80%m	3.226

Total Length: 845.00 ft      Total Volume: 10.204 bbf

Num Fluid Samples: 0

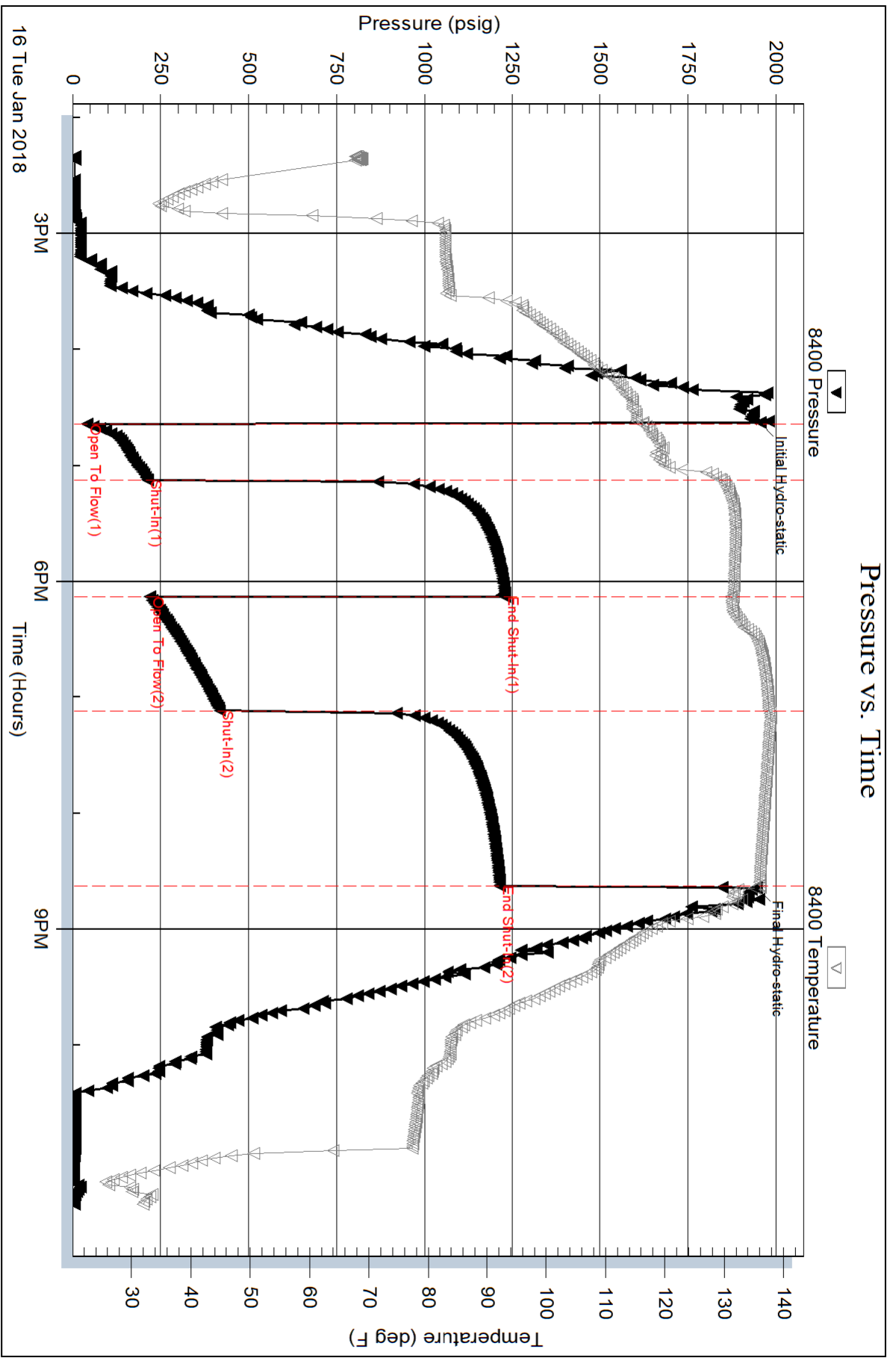
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .225 @ 20----RW



Serial #: 6668

Inside

Deutsch Oil Co

VPR Unit 1-32

DST Test Number: 2

