



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Darrah Oil Company LLC

**3- 7S.- 29W. Sheridan,KS**

125 N. Market  
Suite 1425  
Wichita, KS 67202  
ATTN: Seth Evenson

**Porsch Unit #1-3**

Job Ticket: 63290 **DST#: 1**

Test Start: 2019.04.29 @ 08:52:00

## GENERAL INFORMATION:

Formation: **Stotler**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:10:30

Time Test Ended: 15:37:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Martine Salinas

Unit No: 82

**Interval: 3525.00 ft (KB) To 3885.00 ft (KB) (TVD)**

Reference Elevations: 2747.00 ft (KB)

Total Depth: 3585.00 ft (KB) (TVD)

2742.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8959 Inside**

Press@RunDepth: 79.71 psig @ 3526.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.04.29 End Date: 2019.04.29

Last Calib.: 2019.04.29

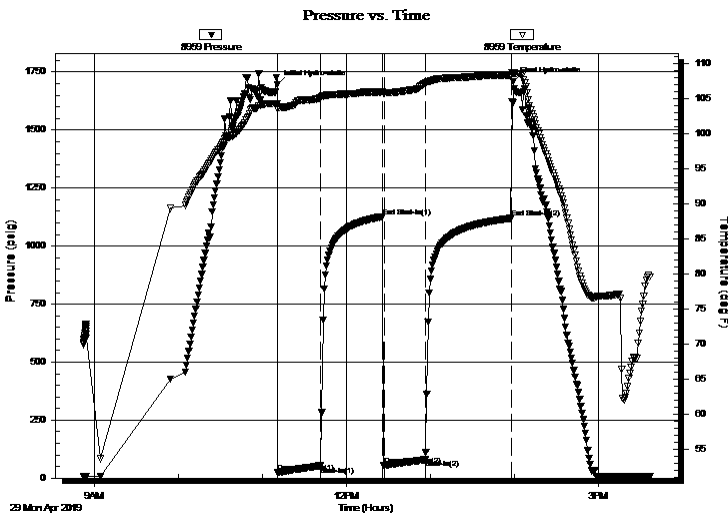
Start Time: 08:52:01 End Time: 15:37:00

Time On Btm: 2019.04.29 @ 11:10:20

Time Off Btm: 2019.04.29 @ 13:59:00

**TEST COMMENT:** 30-IF-S.blow built to 6 1/4"  
45-ISI-No blow back  
30-FF-S.blow built to 4 3/4"  
60-FSI-No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1696.16	104.22	Initial Hydro-static
1	23.18	103.54	Open To Flow (1)
31	53.16	105.09	Shut-In(1)
76	1127.08	105.92	End Shut-In(1)
77	55.05	105.77	Open To Flow (2)
106	79.71	107.13	Shut-In(2)
168	1120.01	108.35	End Shut-In(2)
169	1708.81	108.70	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
130.00	HMCW 39%M, 61%W	1.82
0.00	Oil spots in tool	0.00

## Gas Rates

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





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## FLUID SUMMARY

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Test Start: 2019.04.29 @ 08:52:00

### 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:

28000 ppm

Viscosity: 67.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	HMCW 39%M, 61%W	1.824
0.00	Oil spots in tool	0.000

Total Length: 130.00 ft Total Volume: 1.824 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

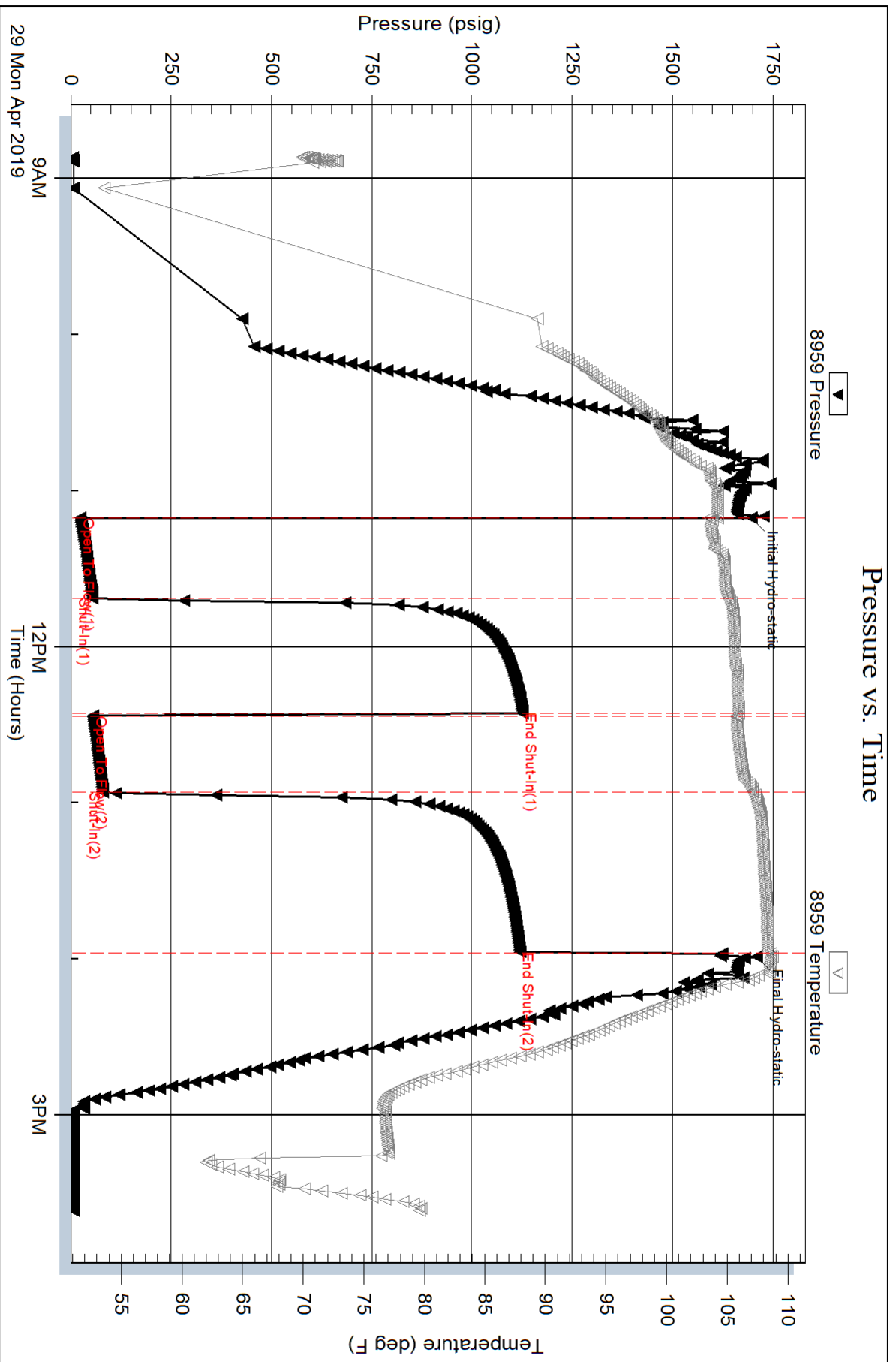
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .235 @ 78 degs = 28,0000 PPM

### Pressure vs. Time



Serial #: 8734

Outside Darrah Oil Company LLC

Porsch Unit #1-3

DST Test Number: 1

