



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: 63292 **DST#: 3**

Test Start: 2019.05.01 @ 00:30:00

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:24:40

Time Test Ended: 06:50:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 82

Interval: 3764.00 ft (KB) To 3775.00 ft (KB) (TVD)

Reference Elevations: 2747.00 ft (KB)

Total Depth: 3775.00 ft (KB) (TVD)

2742.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8734 Outside

Press@RunDepth: 127.98 psig @ 3765.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.05.01 End Date: 2019.05.01

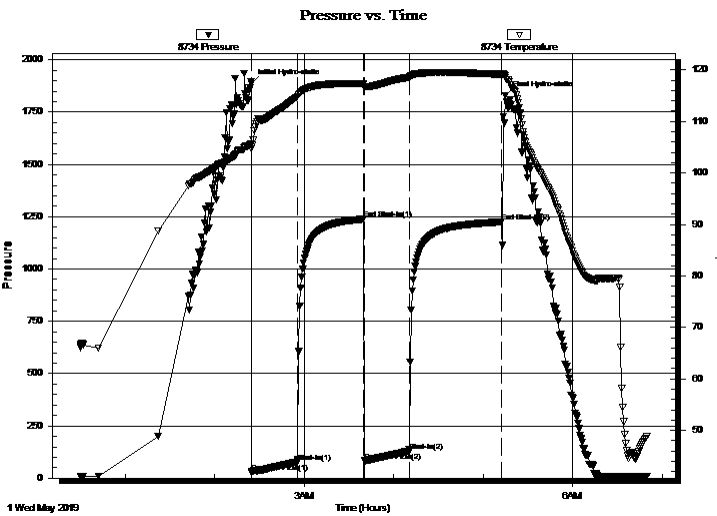
Last Calib.: 2019.05.01

Start Time: 00:30:01 End Time: 06:50:00

Time On Btm: 2019.05.01 @ 02:24:30

Time Off Btm: 2019.05.01 @ 05:14:50

TEST COMMENT: 30-IF-S.blow built to B.O.B (11 inches) @ 30 mins
45-ISI-No blow back
30-FF-S.blow built to 9 1/4"
60-FSI-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1887.89	105.61	Initial Hydro-static
1	28.73	104.67	Open To Flow (1)
31	77.48	114.78	Shut-In(1)
76	1238.85	117.27	End Shut-In(1)
76	82.84	116.61	Open To Flow (2)
106	127.98	118.56	Shut-In(2)
168	1225.11	119.13	End Shut-In(2)
171	1829.70	118.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
225.00	MCW 12%M, 88%W	3.16

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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Job Ticket: 63292 **DST#: 3**

Test Start: 2019.05.01 @ 00:30:00

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:	58000 ppm
Viscosity: 65.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.40 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
225.00	MCW 12%M, 88%W	3.156

Total Length: 225.00 ft Total Volume: 3.156 bbl

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

Laboratory Name: Laboratory Location:

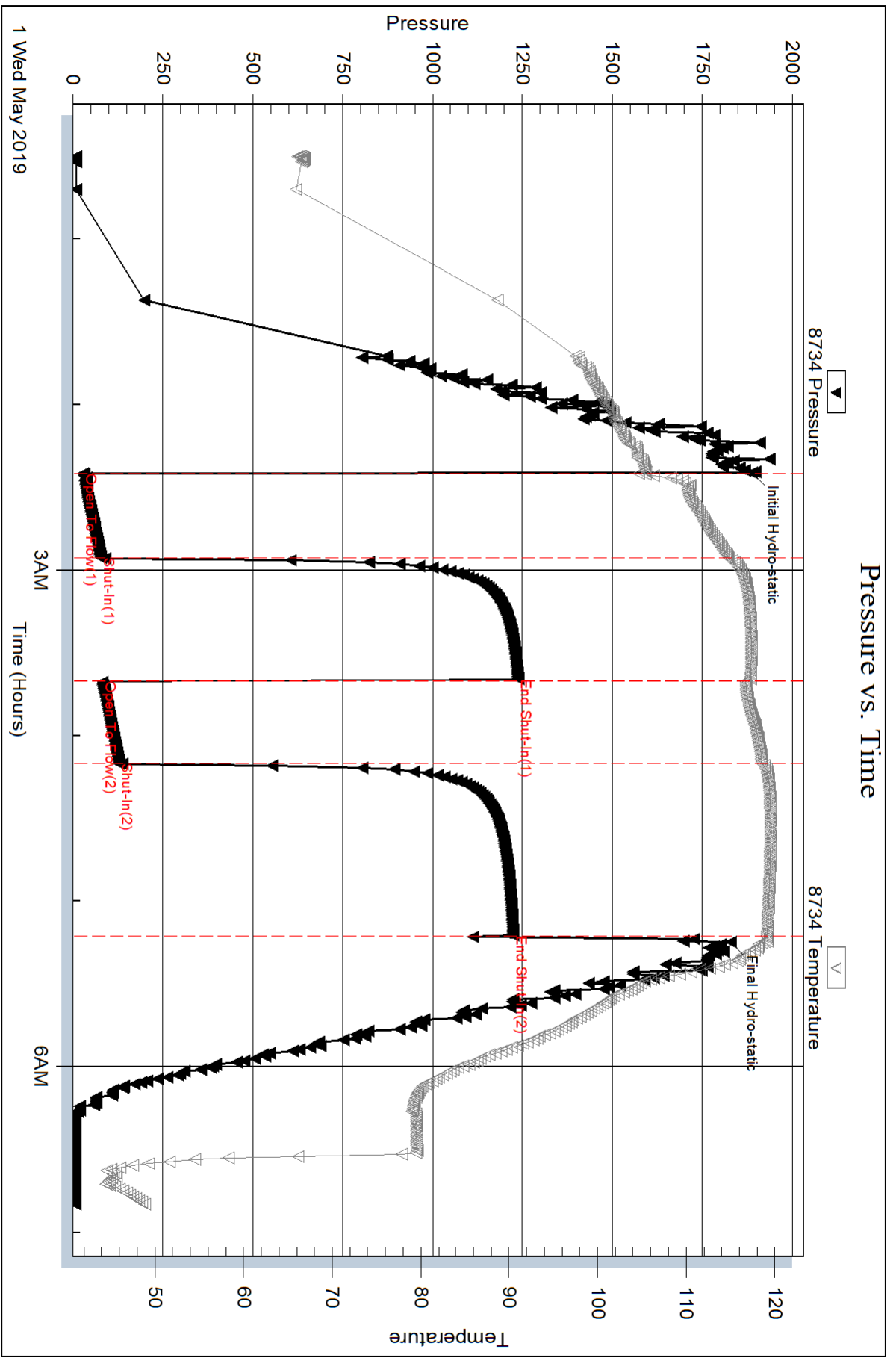
Recovery Comments: RW= .223 @ 43.5 degs = 58,000 PPM

Serial #: 8734

Outside Darrah Oil Company LLC

Porsch Unit #1-3

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 63292

Printed: 2019.05.01 @ 07:15:01

Serial #: 8959

Inside

Darrah Oil Company LLC

Porsch Unit #1-3

DST Test Number: 3

