



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco LLC  
 2020 N. Bramblewood  
 Wichita, KS 67206  
 ATTN: Bryan Bynog

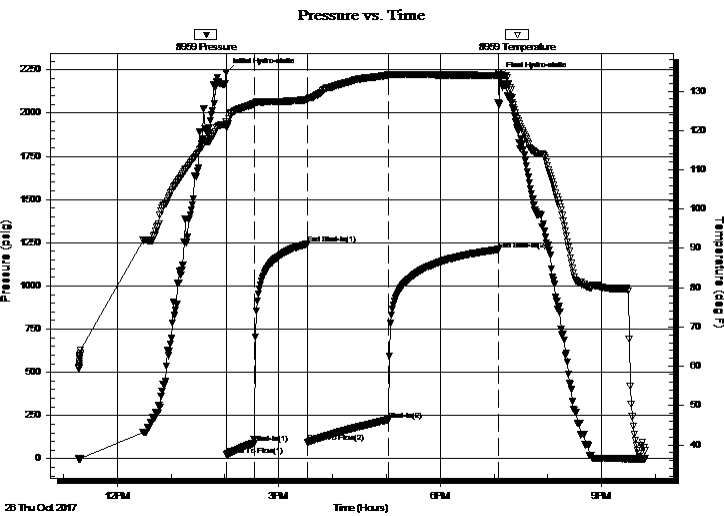
**9 -3S-35W Rawlins Co**  
**Gerald # 1-9**  
 Job Ticket: 63163 **DST#: 1**  
 Test Start: 2017.10.26 @ 11:17:00

## GENERAL INFORMATION:

Formation: **LKC " E "**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 14:01:30  
 Time Test Ended: 21:48:00  
 Interval: **4308.00 ft (KB) To 4348.00 ft (KB) (TVD)**  
 Total Depth: 4348.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Martine Salinas  
 Unit No: 82  
 Reference Elevations: 3225.00 ft (KB)  
 3217.00 ft (CF)  
 KB to GR/CF: 8.00 ft

**Serial #: 8959 Inside**  
 Press@RunDepth: 225.52 psig @ 4309.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2017.10.26 End Date: 2017.10.26 Last Calib.: 2017.10.26  
 Start Time: 11:17:01 End Time: 21:48:00 Time On Btm: 2017.10.26 @ 14:01:20  
 Time Off Btm: 2017.10.26 @ 19:06:20

TEST COMMENT: 30-IF-S.blow built to 5 "  
 60-ISI-No blow  
 90-FF-S.blow built to 7 3/4"  
 120-FSI-No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2235.65	122.31	Initial Hydro-static
1	21.69	120.99	Open To Flow (1)
32	90.87	126.80	Shut-In(1)
91	1242.99	127.86	End Shut-In(1)
91	95.14	127.52	Open To Flow (2)
182	225.52	134.08	Shut-In(2)
304	1210.63	134.02	End Shut-In(2)
306	2214.09	134.10	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
115.00	OSMCW 4%O, 23%M, 73%W	0.57
326.00	GSOWCM 8%G, 9%O, 25%W, 58%M	1.60
15.00	CGO 10%G, 90%O	0.07

## Gas Rates

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





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## FLUID SUMMARY

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### Mud and Cushion Information

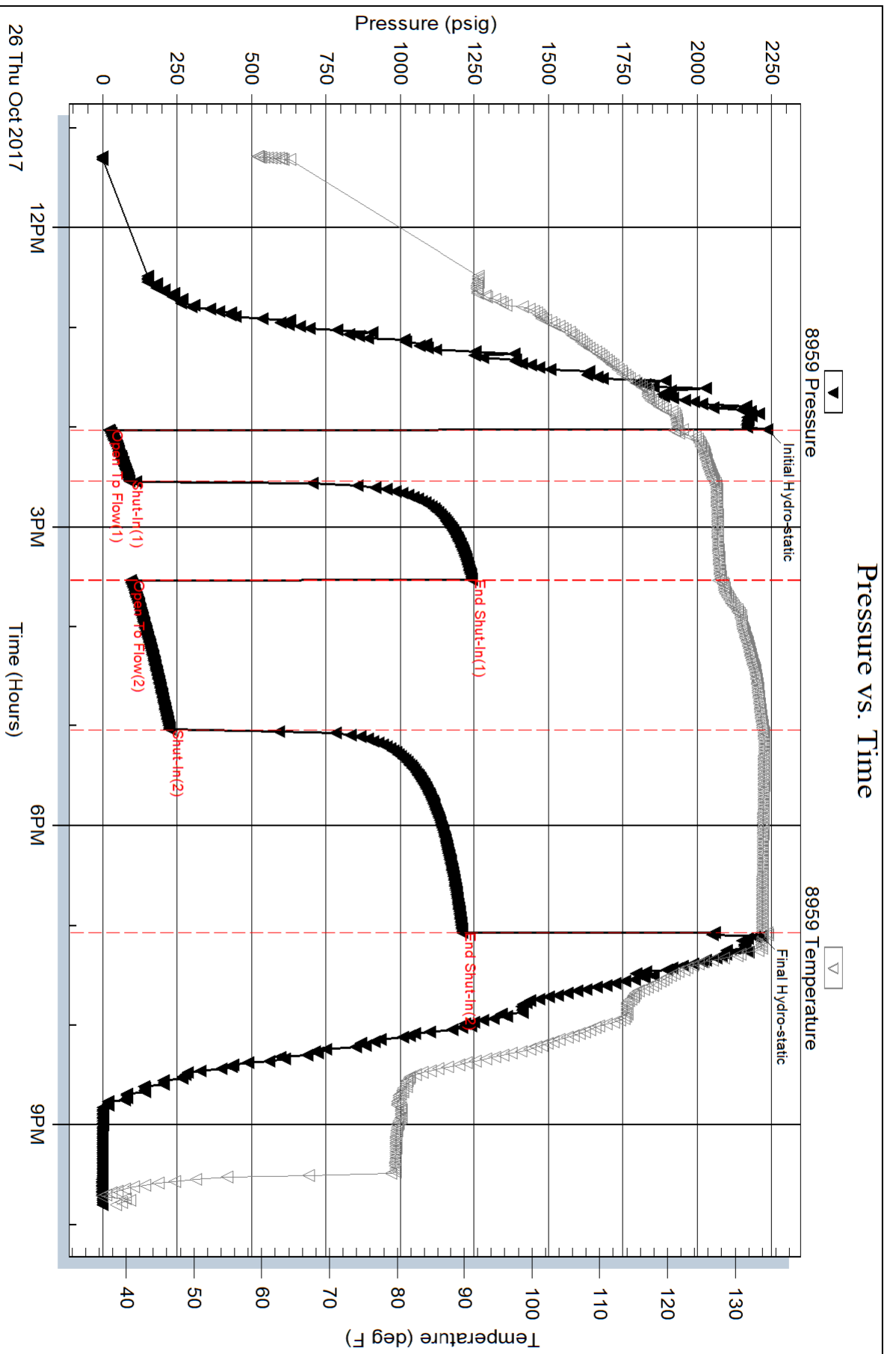
Mud Type: Gel Chem	Cushion Type:	Oil API: 34.6 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.98 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 3800.00 ppm		
Filter Cake: 2.00 inches		

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
115.00	OSMCW 4%O, 23%M, 73%W	0.566
326.00	GSOWCM 8%G, 9%O, 25%W, 58%M	1.603
15.00	CGO 10%G, 90%O	0.074

Total Length: 456.00 ft      Total Volume: 2.243 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments: Gravity of oil = 32 @ 34 degs  
Gravity corrected to 34.6 @ 60 degs  
RW= .315 @ 30.1 degs=60,000ppm



Serial #: 8734

Outside Berexco LLC

Gerald # 1-9

DST Test Number: 1

