



DRILL STEM TEST REPORT

Prepared For: **Pickrell Drilling Co. Inc.**

100 S Main STE 505
Wichita KS 67202+3738

ATTN: Aaron Young/ Larry R

Albin 'I' #3

28-14S-27W Gove,KS

Start Date: 2016.11.11 @ 07:04:00

End Date: 2016.11.11 @ 14:04:15

Job Ticket #: 63497 DST #: 5

Trilobite Testing, Inc
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TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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Albin 'I' #3

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DST#: 5

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Test Start: 2016.11.11 @ 07:04:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:50:45

Time Test Ended: 14:04:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J. Staab

Unit No: 84

Interval: 4288.00 ft (KB) To 4305.00 ft (KB) (TVD)

Reference Elevations: 2477.00 ft (KB)

Total Depth: 4305.00 ft (KB) (TVD)

2473.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 4.00 ft

Serial #: 8353

Inside

Press@RunDepth: 26.60 psig @ 4289.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.11.11

End Date:

2016.11.11

Last Calib.:

2016.11.11

Start Time: 07:04:15

End Time:

14:04:15

Time On Btm:

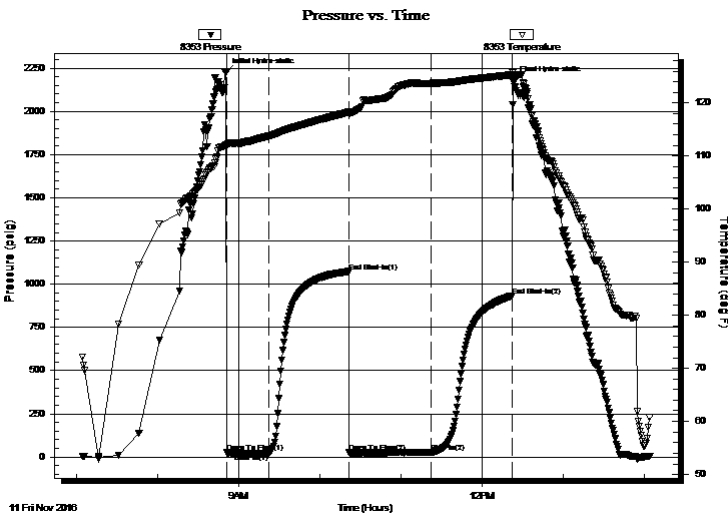
2016.11.11 @ 08:50:30

Time Off Btm:

2016.11.11 @ 12:23:00

TEST COMMENT: 30-IF-Very Weak Surface Blow ; Built to 1"
60-ISI-No Blow Back
60-FF-No Blow ; Flushed tool; still no Blow
60-FSI-No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2223.12	112.17	Initial Hydro-static
1	24.72	111.78	Open To Flow (1)
32	22.74	113.76	Shut-In(1)
91	1070.56	118.24	End Shut-In(1)
91	25.78	117.95	Open To Flow (2)
152	26.60	123.66	Shut-In(2)
212	933.13	125.31	End Shut-In(2)
213	2177.94	125.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OCM 5% O 95% M	0.14

* Recovery from multiple tests

Gas Rates

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



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TOOL DIAGRAM

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Test Start: 2016.11.11 @ 07:04:00

Tool Information

Drill Pipe:	Length: 4283.00 ft	Diameter: 3.80 inches	Volume: 60.08 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 60.08 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4288.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	57.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4261.00	
Shut In Tool	5.00			4266.00	
Hydraulic tool	5.00			4271.00	
Jars	5.00			4276.00	
Safety Joint	3.00			4279.00	
Packer	5.00			4284.00	28.00 Bottom Of Top Packer
Packer	4.00			4288.00	
Stubb	1.00			4289.00	
Recorder	0.00	9120	Outside	4289.00	
Recorder	0.00	8353	Inside	4289.00	
Perforations	24.00			4313.00	
Bullnose	4.00			4317.00	29.00 Bottom Packers & Anchor

Total Tool Length: 57.00



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FLUID SUMMARY

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Job Ticket: 63497

DST#: 5

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Test Start: 2016.11.11 @ 07:04:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length: ft

Water Salinity: ppm

Viscosity: 51.00 sec/qt

Cushion Volume: bbl

Water Loss: 10.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OCM 5% O 95% M	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

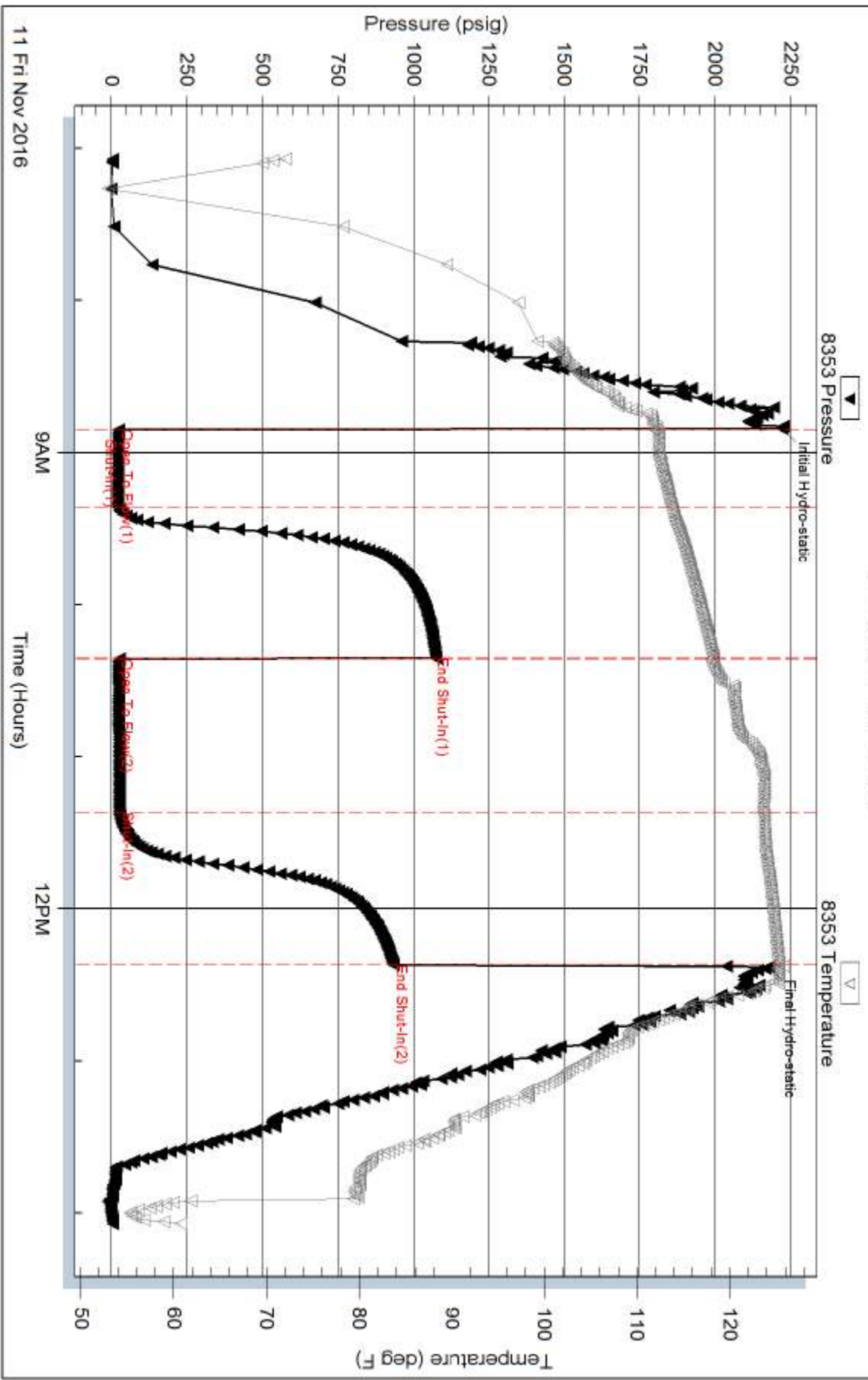
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

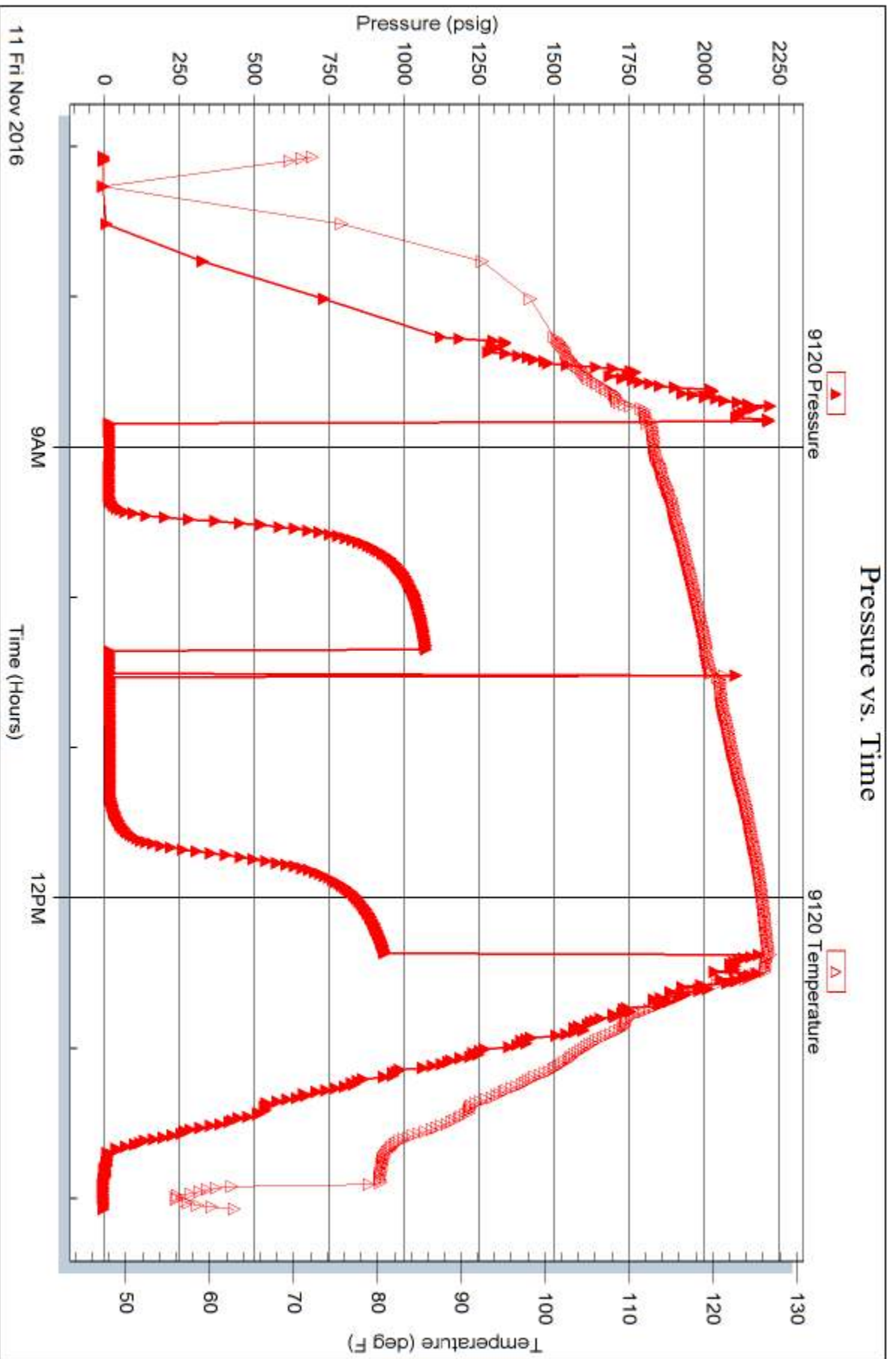


Serial #: 9120

Outside Pickett Drilling Co. Inc.

Albin T#3

DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 63497

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