



DRILL STEM TEST REPORT

Prepared For: **Bear Petl. Inc.**

P.O.Box 438
Haysville KS 67060

ATTN: Jim Musgrove

Blackhall #5

5-21s-8w Rice,KS

Start Date: 2016.02.16 @ 09:04:57

End Date: 2016.02.16 @ 16:21:57

Job Ticket #: 57936 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

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TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Bear Petl. Inc.

5-21s-8w Rice,KS

P.O.Box 438
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DST#: 1

ATTN: Jim Musgrove

Test Start: 2016.02.16 @ 09:04:57

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:31:12

Time Test Ended: 16:21:57

Test Type: Conventional Bottom Hole (Initial)

Tester: Gary Pevoteaux

Unit No: 80

Interval: 3436.00 ft (KB) To 3443.00 ft (KB) (TVD)

Reference Elevations: 1664.00 ft (KB)

Total Depth: 3443.00 ft (KB) (TVD)

1654.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 9124 Outside

Press @ Run Depth: 47.94 psig @ 3437.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.02.16

End Date:

2016.02.16

Last Calib.:

2016.02.16

Start Time: 09:05:02

End Time:

16:21:56

Time On Btm:

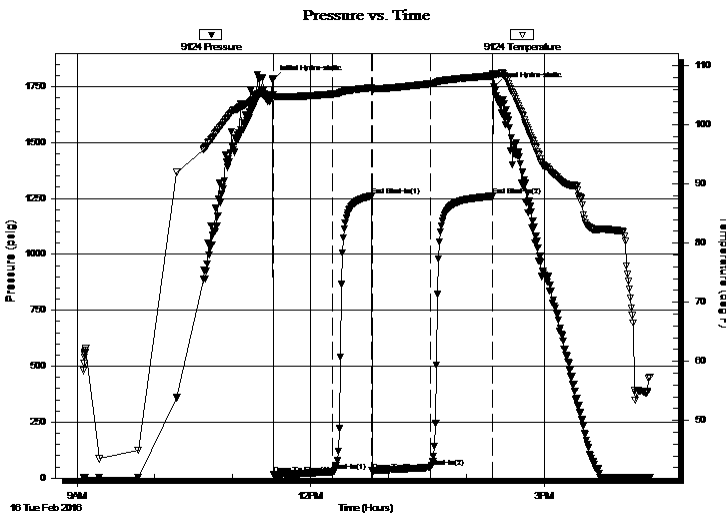
2016.02.16 @ 11:30:57

Time Off Btm:

2016.02.16 @ 14:21:27

TEST COMMENT: IF:Weak to fair blow . Slow increase to 8".
IS:No blow .
FF:Weak to fair blow . Slow increase to 9 1/2".
FS:Weak blow . 1/4".

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1780.01	105.17	Initial Hydro-static
1	16.35	104.42	Open To Flow (1)
46	28.84	105.20	Shut-In(1)
76	1260.72	106.28	End Shut-In(1)
77	32.62	105.96	Open To Flow (2)
122	47.94	106.93	Shut-In(2)
169	1259.63	108.29	End Shut-In(2)
171	1750.52	108.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	135 ft.of GIP	0.00
55.00	Clean oil	0.77
42.00	OCWM 4%o 44%w 52%m	0.59

Gas Rates

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



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TESTING, INC.**

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TOOL DIAGRAM

Bear Petl. Inc.

5-21s-8w Rice,KS

P.O.Box 438
Haysville KS 67060

Blackhall #5

Job Ticket: 57936

DST#: 1

ATTN: Jim Musgrove

Test Start: 2016.02.16 @ 09:04:57

Tool Information

Drill Pipe:	Length: 3448.00 ft	Diameter: 3.80 inches	Volume: 48.37 bbl	Tool Weight:	24000.00 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: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	73000.00 lb
			<u>Total Volume: 48.37 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial	59000.00 lb
Depth to Top Packer:	3436.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	7.00 ft				
Tool Length:	27.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3417.00	
Shut In Tool	5.00			3422.00	
Hydraulic tool	5.00			3427.00	
Packer	4.00			3431.00	20.00 Bottom Of Top Packer
Packer	5.00			3436.00	
Stubb	1.00			3437.00	
Recorder	0.00	9124	Outside	3437.00	
Recorder	0.00	6798	Inside	3437.00	
Perforations	1.00			3438.00	
Bullnose	5.00			3443.00	7.00 Bottom Packers & Anchor
Total Tool Length:	27.00				



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FLUID SUMMARY

Bear Petl. Inc.

5-21s-8w Rice,KS

P.O.Box 438
Haysville KS 67060

Blackhall #5

Job Ticket: 57936

DST#: 1

ATTN: Jim Musgrove

Test Start: 2016.02.16 @ 09:04:57

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

39.8 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

18500 ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	135 ft.of GIP	0.000
55.00	Clean oil	0.772
42.00	OCWM 4%o 44%w 52%m	0.589

Total Length: 97.00 ft Total Volume: 1.361 bbl

Num Fluid Samples: 0

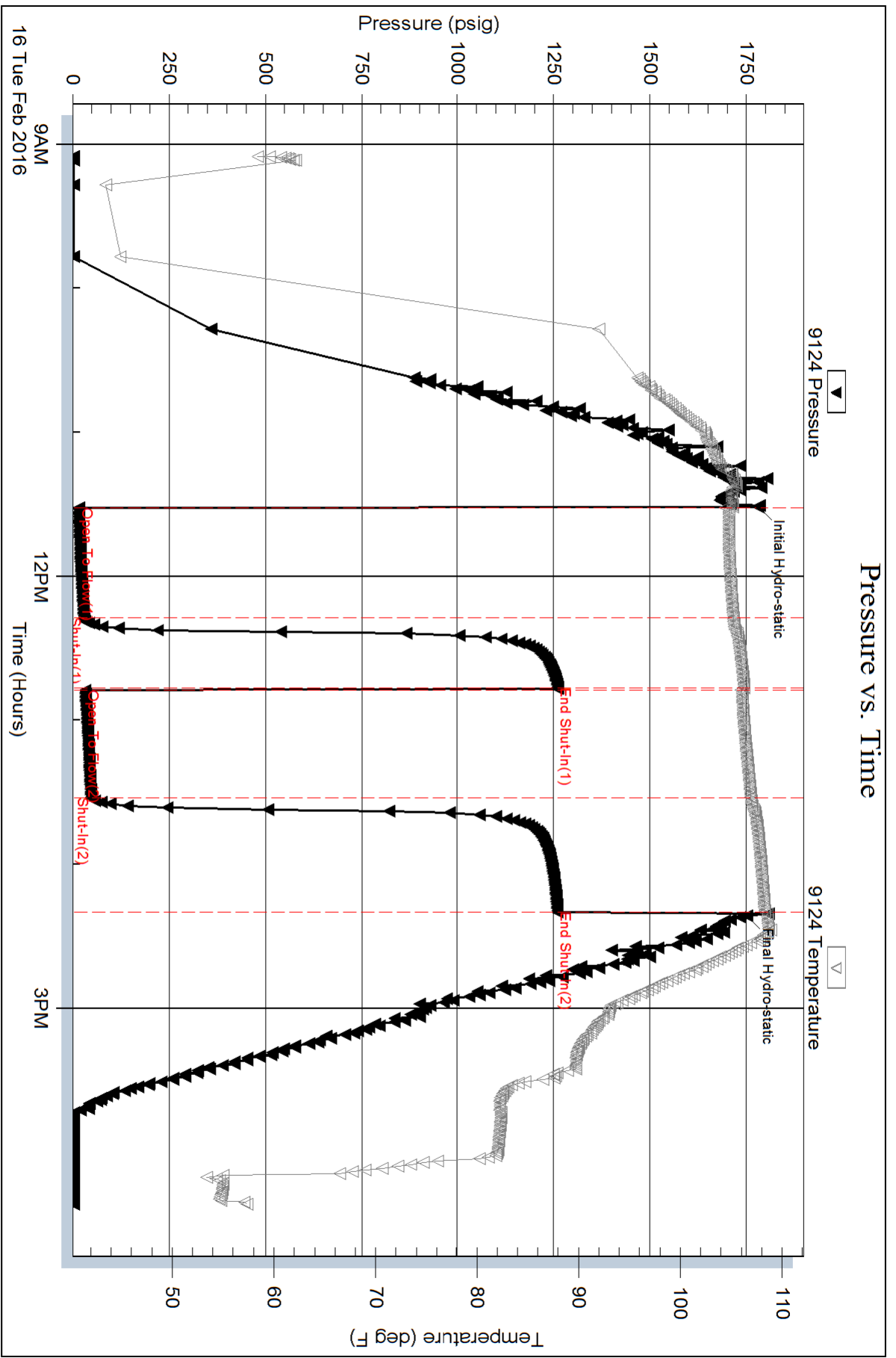
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .43ohms @ 55deg



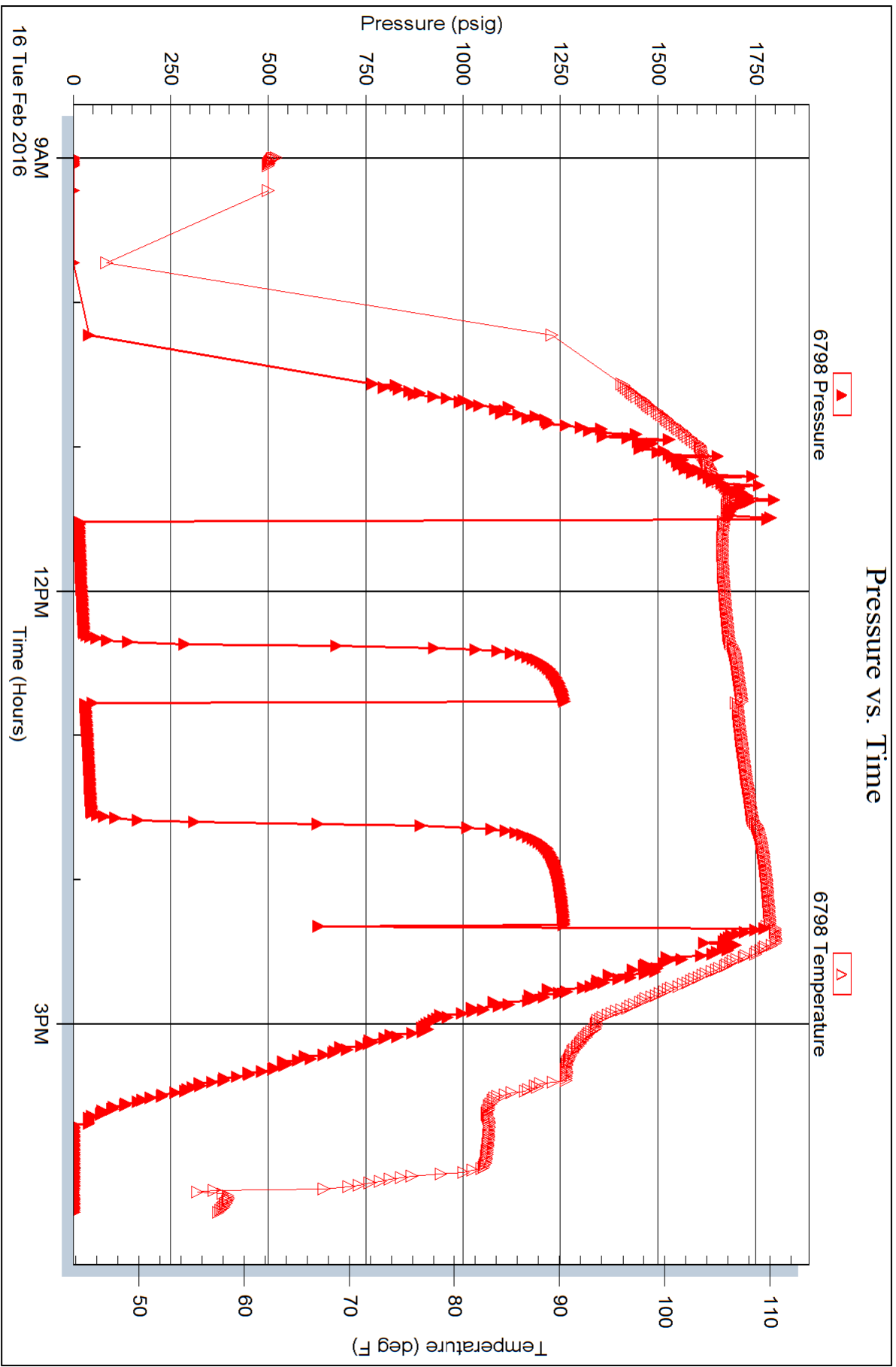
Serial #: 6798

Inside

Bear Petl. Inc.

Blackhall #5

DST Test Number: 1





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **57936**

4/10

Well Name & No. Blackhall #5 Test No. 1 Date 2-16-16
 Company BEAR PETROLEUM INC. Elevation 1664 KB 1654 GL
 Address P.O. Box 438, Haysville Ks. 67060
 Co. Rep / Geo. JIM MUSGROVE Rig MAVERICK DRUG #106
 Location: Sec. 5 Twp. 21S Rge. 8W Co. RICE State Ks

Interval Tested 3436 - 3443' Zone Tested ARBUCKLE
 Anchor Length 7' Drill Pipe Run 3448' Mud Wt. 9.4
 Top Packer Depth 3431' Drill Collars Run 0 Vis 61
 Bottom Packer Depth 3436' Wt. Pipe Run 0 WL 9.2 cc
 Total Depth 3443' Chlorides 6,000 ppm System LCM #
 Blow Description IF: Weak to fair blow. Slow increase to 8". ISI No. below.

FF: Weak to fair blow. Slow increase to 9 1/2". FSI: weak below. 1/4".

Rec	Feet of	%gas	%oil	%water	%mud
<u>135</u>	<u>Gas in pipe</u>				
<u>55</u>	<u>Clean oil</u>				
<u>42</u>	<u>OCWM</u>		<u>4</u>	<u>44</u>	<u>52</u>

Rec Total 97 Fluid BHT 108° Gravity 39.8 API RW .43 @ 55 °F Chlorides 18,500 ppm

(A) Initial Hydrostatic <u>1780</u>	<input checked="" type="checkbox"/> Test	T-On Location <u>0755</u>
(B) First Initial Flow <u>16</u>	<input type="checkbox"/> Jars	T-Started <u>0904</u>
(C) First Final Flow <u>29</u>	<input type="checkbox"/> Safety Joint	T-Open <u>1131</u>
(D) Initial Shut-In <u>1261</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1422</u>
(E) Second Initial Flow <u>33</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1621</u>
(F) Second Final Flow <u>48</u>	<input checked="" type="checkbox"/> Mileage <u>125</u>	Comments _____
(G) Final Shut-In <u>1260</u>	<input type="checkbox"/> Sampler	_____
(H) Final Hydrostatic <u>1751</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>45</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder	Sub Total _____
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby	Total _____
	<input type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total _____	

Approved By Musgrove Our Representative Gary Pevotiansky

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