



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

White Pine Petroleum Corp.

**5-33s-5w Harper Co., Ks.**

110 S Main St. STE 500  
Wichita, Ks. 67202

**Wethington #2**

Job Ticket: 54196

**DST#: 1**

ATTN: Pat Deenihan

Test Start: 2014.07.13 @ 02:18:27

## GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 06:39:27

Time Test Ended: 13:05:57

Test Type: Conventional Bottom Hole (Initial)

Tester: Matt Smith

Unit No: 53

**Interval: 4370.00 ft (KB) To 4377.00 ft (KB) (TVD)**

Reference Elevations: 1346.00 ft (KB)

Total Depth: 4377.00 ft (KB) (TVD)

1336.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 6773 Outside**

Press @ Run Depth: 86.39 psig @ 4371.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.07.13

End Date:

2014.07.13

Last Calib.:

2014.07.13

Start Time: 02:18:32

End Time:

13:05:57

Time On Btm:

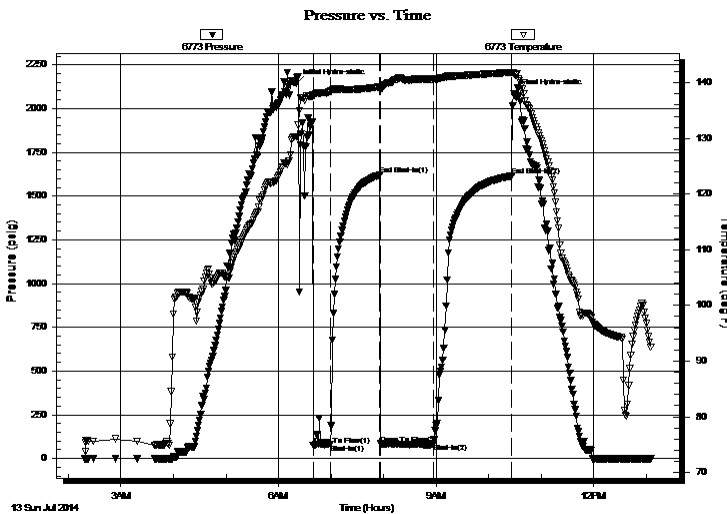
2014.07.13 @ 06:19:57

Time Off Btm:

2014.07.13 @ 10:28:42

**TEST COMMENT:** IF: Weak blow . Surf., - 3 1/2". Bleed off 1 min.  
IS: No blow .  
FF: Fair blow . Surf., - 9". Bleed off 3 mins.  
FS: No blow .

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2144.55	130.29	Initial Hydro-static
20	75.47	137.78	Open To Flow (1)
39	82.97	138.44	Shut-In(1)
96	1621.06	139.25	End Shut-In(1)
97	84.34	138.87	Open To Flow (2)
157	86.39	140.69	Shut-In(2)
247	1614.88	141.86	End Shut-In(2)
249	2085.77	141.59	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	GOWCM 8%o 11%w 27%g 54%m	0.30
60.00	GOCM 1%o 5%g 96%m	0.30
30.00	Drilg Mud w / trc oil 100%m	0.42

## Gas Rates

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





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**FLUID SUMMARY**

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ATTN: Pat Deenihan

**5-33s-5w Harper Co., Ks.**  
**Wethington #2**  
Job Ticket: 54196      **DST#: 1**  
Test Start: 2014.07.13 @ 02:18:27

## Mud and Cushion Information

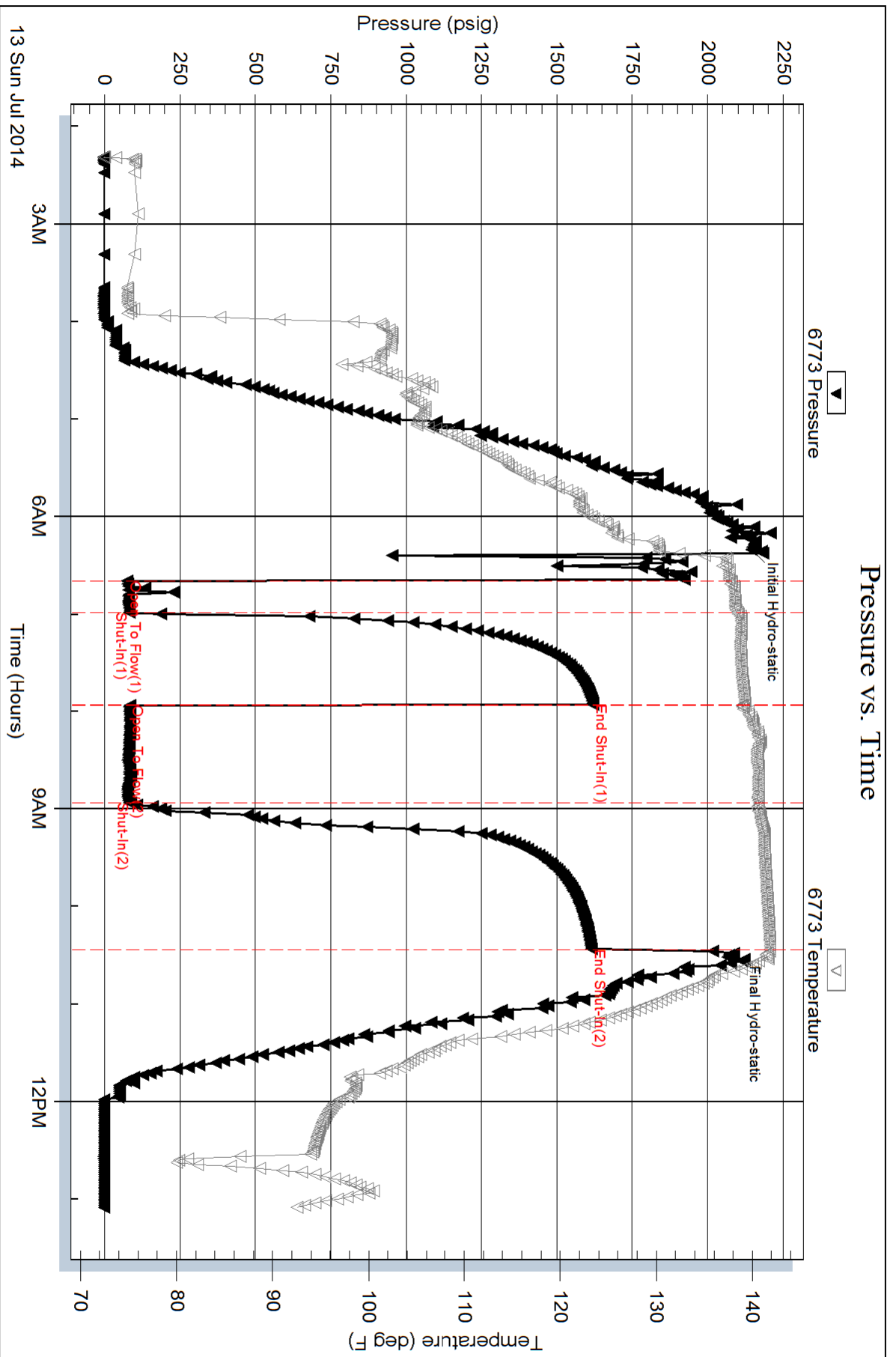
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	6500 ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.19 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 6500.00 ppm			
Filter Cake: 0.20 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GOWCM 8%o 11%w 27%g 54%m	0.295
60.00	GOCM 1%o 5%g 96%m	0.295
30.00	Drig Mud w / trc oil 100%m	0.421

Total Length: 150.00 ft      Total Volume: 1.011 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #: none  
Laboratory Name:      Laboratory Location:  
Recovery Comments:



Serial #: 6719

Inside

White Pine Petroleum Corp.

Wellington #2

DST Test Number: 1

