

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Prairie Resources. Inc.**

2530 NW Willow Rd.
Medicine Lodge, KS 67104

ATTN: Bob Packard

22-31s-13w Barber KS

Packard #1-22

Start Date: 2005.11.10 @ 11:55:55

End Date: 2005.11.10 @ 19:43:40

Job Ticket #: 21433 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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Job Ticket: 21433 **DST#: 1**

Test Start: 2005.11.10 @ 11:55:55

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:09:10
Time Test Ended: 19:43:40

Test Type: Conventional Bottom Hole
Tester: Davy Cline
Unit No: 24

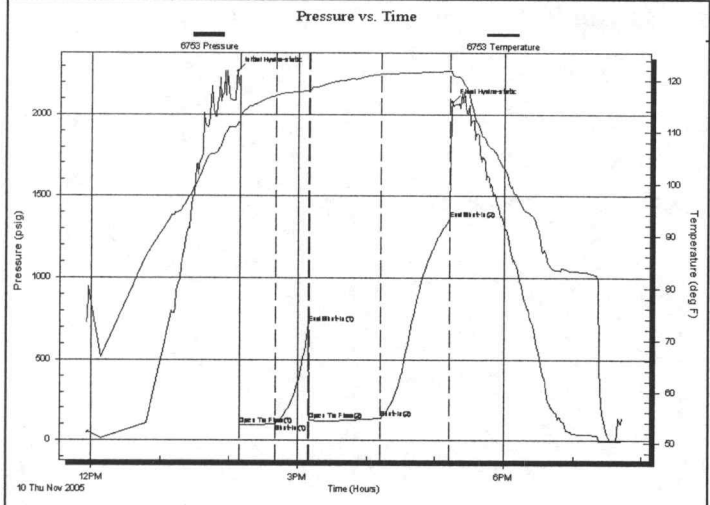
Interval: 4226.00 ft (KB) To 4248.00 ft (KB) (TVD)
Total Depth: 4248.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1585.00 ft (KB)
1576.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 6753 **Inside**
Press@RunDepth: 137.22 psig @ 4227.00 ft (KB)
Start Date: 2005.11.10 End Date: 2005.11.10
Start Time: 11:55:56 End Time: 19:43:40

Capacity: 7000.00 psig
Last Calib.: 2005.11.10
Time On Btm: 2005.11.10 @ 14:06:25
Time Off Btm: 2005.11.10 @ 17:14:25

TEST COMMENT: IF: Fair blow . BOB 3min. 15 sec.
ISI: Bled off. No blow back.
FF: Weak blow . BOB 53 min.
FSI: Bled off. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2268.90	111.37	Initial Hydro-static
3	98.15	113.12	Open To Flow (1)
34	102.22	116.99	Shut-In(1)
63	722.54	118.06	End Shut-In(1)
64	125.82	117.94	Open To Flow (2)
126	137.22	121.25	Shut-In(2)
186	1357.57	121.81	End Shut-In(2)
188	2075.92	121.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	G&VSI OCM 10%g 1%o 4%w 85%m	0.44
60.00	G&SI OCWM 16%g 4%o 10%w 70%m	0.30
60.00	G&SI OCWM 10%g 5%o 35%w 50%m	0.30
0.00	250' Gas in pipe.	0.00

Gas Rates

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

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TOOL DIAGRAM

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Job Ticket: 21433 **DST#: 1**

Test Start: 2005.11.10 @ 11:55:55

Tool Information

Drill Pipe:	Length:	3906.00 ft	Diameter:	3.25 inches	Volume:	40.08 bbl
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl
Drill Collar:	Length:	317.00 ft	Diameter:	2.25 inches	Volume:	1.56 bbl
					Total Volume:	41.64 bbl

Drill Pipe Above KB:	20.00 ft
Depth to Top Packer:	4226.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	22.00 ft
Tool Length:	45.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2100.00 lb
Weight set on Packer:	20000.00 lb
Weight to Pull Loose:	55000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	49000.00 lb
Final	49000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4204.00		
Shut In Tool	5.00			4209.00		
Hydraulic tool	5.00			4214.00		
Safety Joint	2.00			4216.00		
Packer	5.00			4221.00	23.00	Bottom Of Top Packer
Packer	5.00			4226.00		
Stubb	1.00			4227.00		
Recorder	0.00	6753	Inside	4227.00		
Perforations	18.00			4245.00		
Recorder	0.00	13400	Outside	4245.00		
Bullnose	3.00			4248.00	22.00	Bottom Packers & Anchor
Total Tool Length:	**45.00**					

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FLUID SUMMARY

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Test Start: 2005.11.10 @ 11:55:55

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:	45.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	15.18 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	7100.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	G&VSI OCM 10%g 1%o 4%w 85%m	0.443
60.00	G&SI OCWM 16%g 4%o 10%w 70%m	0.295
60.00	G&SI OCWM 10%g 5%o 35%w 50%m	0.295
0.00	250' Gas in pipe.	0.000

Total Length: 210.00 ft Total Volume: 1.033 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

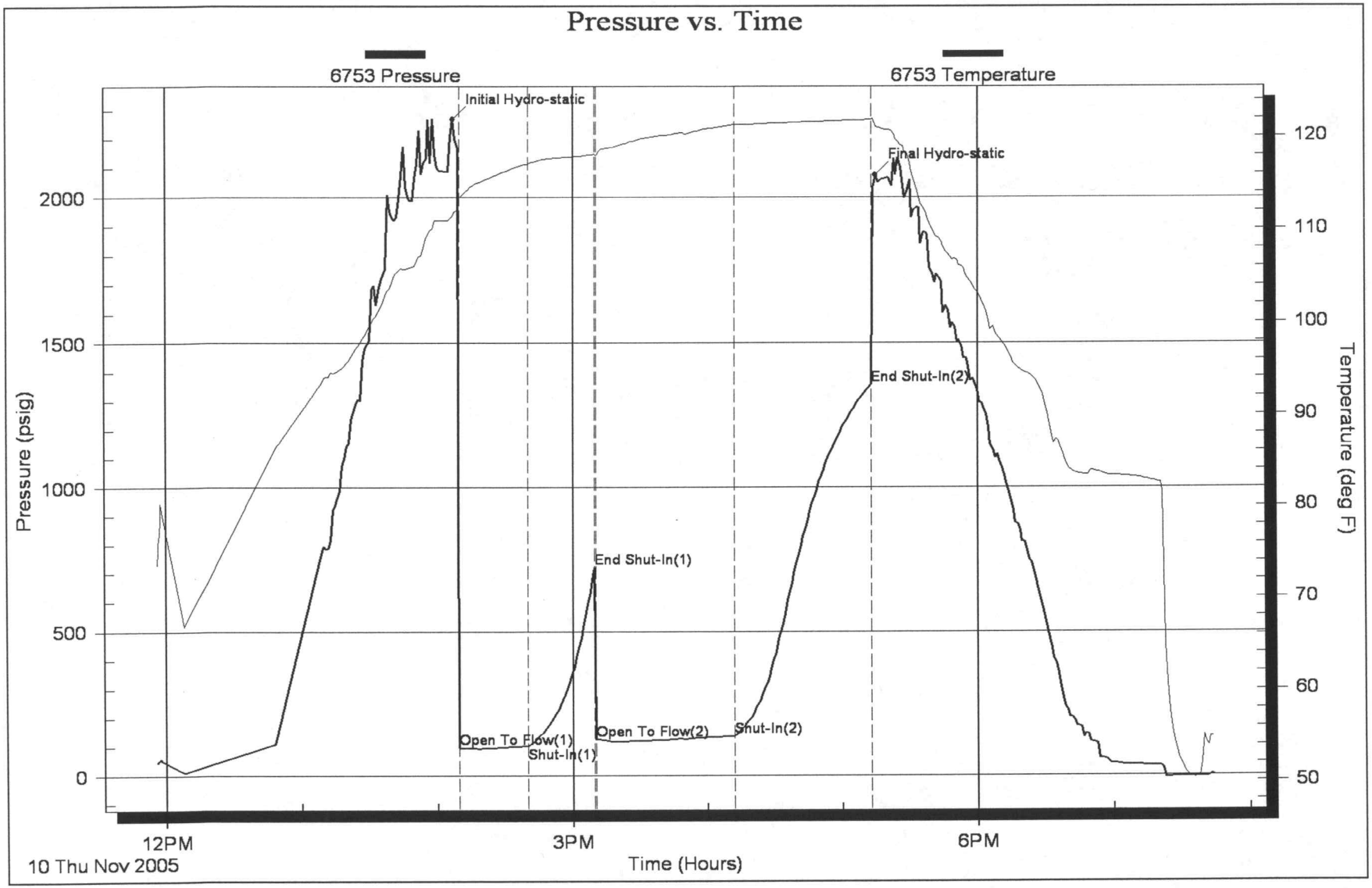

Pressure vs. Time
6753 Pressure
6753 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(2)
End Shut-In(1)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure (psig)
Temperature (deg F)
2000
1500
1000
500
0
120
110
100
90
80
70
60
50
12PM
3PM
6PM
10 Thu Nov 2005
Time (Hours)

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

