15-167-23281



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Norstar Petroleum Inc**

CONFIDENTIAL

6245 S Havanna St Ste 250

Centennial, CO 80112

ORIGINAL

KCC

AUG 19 2005

ATTN: Per Burchhart

CONFIDENTIAL

27 15s 12w Russel

Pfister-Kaufman Unit 1-27

Start Date: 2005.04.26 @ 10:00:02

End Date: 2005.04.26 @ 15:59:00

Job Ticket #: 21050 DST #: 1

Trilobite Testing, Inc

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DRILL STEM TEST REPORT

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6855 S Havanna St Ste 250
Centennial CO 80112

ATTN: Per Burchhart

Pfister-Kaufman Unit 1-27

27 15s 12w Russel

Job Ticket: 21050 **DST#: 1**

Test Start: 2005.04.26 @ 10:00:02

GENERAL INFORMATION:

Formation: **Lansing**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:26:45
Time Test Ended: 15:59:00

Test Type: Conventional Bottom Hole
Tester: Paul Simpson
Unit No: 32

Interval: 3057.00 ft (KB) To 3160.00 ft (KB) (TVD)
Total Depth: 3160.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

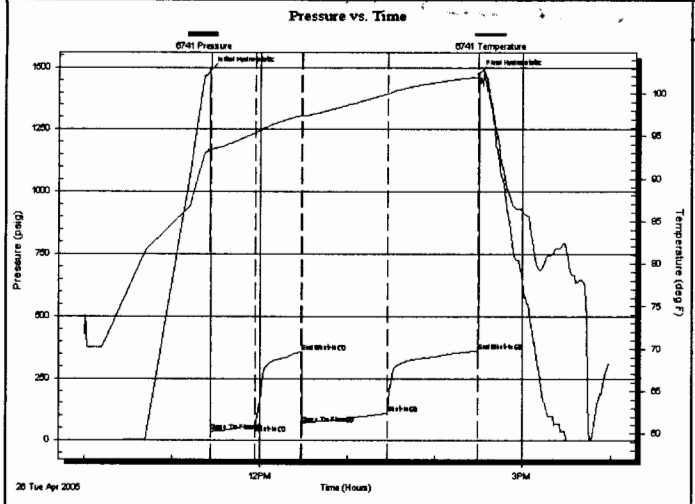
Reference Elevations: 1776.00 ft (KB)
1768.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6741 **Inside**

Press@RunDepth: 109.20 psig @ 3062.00 ft (KB)
Start Date: 2005.04.26 End Date: 2005.04.26
Start Time: 10:00:02 End Time:

Capacity: 7000.00 psig
Last Calib.: 2004.04.26
Time On Btm: 2005.04.26 @ 11:26:15
Time Off Btm: 2005.04.26 @ 14:30:15

TEST COMMENT: IF- 2" blow building to bottom of bucket in 11 minutes
ISI- weak 1/4" blow
FF- 1" blow building to bottom of bucket in 6 minutes
FSI-weak 1/4" blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1487.67	93.48	Initial Hydro-static
1	35.46	93.39	Open To Flow (1)
31	61.42	95.44	Shut-In(1)
62	358.44	97.45	End Shut-In(1)
63	68.96	97.37	Open To Flow (2)
121	109.20	99.99	Shut-In(2)
184	360.87	102.01	End Shut-In(2)
184	1475.10	102.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MW 60&W 40%M	0.56
120.00	GSY HOCM 60%G 20%O 20%M	1.68
45.00	SOCM 10% O 90%M	0.63
0.00	800' GIP	0.00

Gas Rates

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

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TOOL DIAGRAM

Norstar Petroleum Inc

6855 S Havanna St Ste 250
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Pfister-Kaufman Unit 1-27

27 15s 12w Russel

Job Ticket: 21050 **DST#: 1**

Test Start: 2005.04.26 @ 10:00:02

Tool Information

Drill Pipe:	Length:	3011.00 ft	Diameter:	3.80 inches	Volume:	42.24 bbl	Tool Weight:		3000.00 lb
Heavy Wt. Pipe:	Length:	ft	Diameter:	2.70 inches	Volume:	- bbl	Weight set on Packer:		20000.00 lb
Drill Collar:	Length:	31.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	Weight to Pull Loose:		42000.00 lb
					Total Volume:	- bbl	Tool Chased		ft
Drill Pipe Above KB:		6.00 ft					String Weight:	Initial	38000.00 lb
Depth to Top Packer:		3057.00 ft						Final	39000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		103.00 ft							
Tool Length:		124.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:
tool slid 4' w hen opened
30-30-60-60

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3037.00		
Shut In Tool	5.00			3042.00		
Hydraulic tool	5.00			3047.00		
Packer	5.00			3052.00	21.00	Bottom Of Top Packer
Packer	5.00			3057.00		
Stubb	1.00			3058.00		
Perforations	4.00			3062.00		
Recorder	0.00	6741	Inside	3062.00		
Change Over Sub	1.00			3063.00		
Blank Spacing	93.00			3156.00		
Change Over Sub	1.00			3157.00		
Recorder	0.00	13221	Outside	3157.00		
Bullnose	3.00			3160.00	103.00	Bottom Packers & Anchor
Total Tool Length:	**124.00**					

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FLUID SUMMARY

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27 15s 12w Russel

Job Ticket: 21050 **DST#: 1**

Test Start: 2005.04.26 @ 10:00:02

Mud and Cushion Information

Mud Type:	Polymer	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	27000 ppm
Viscosity:	44.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.97 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

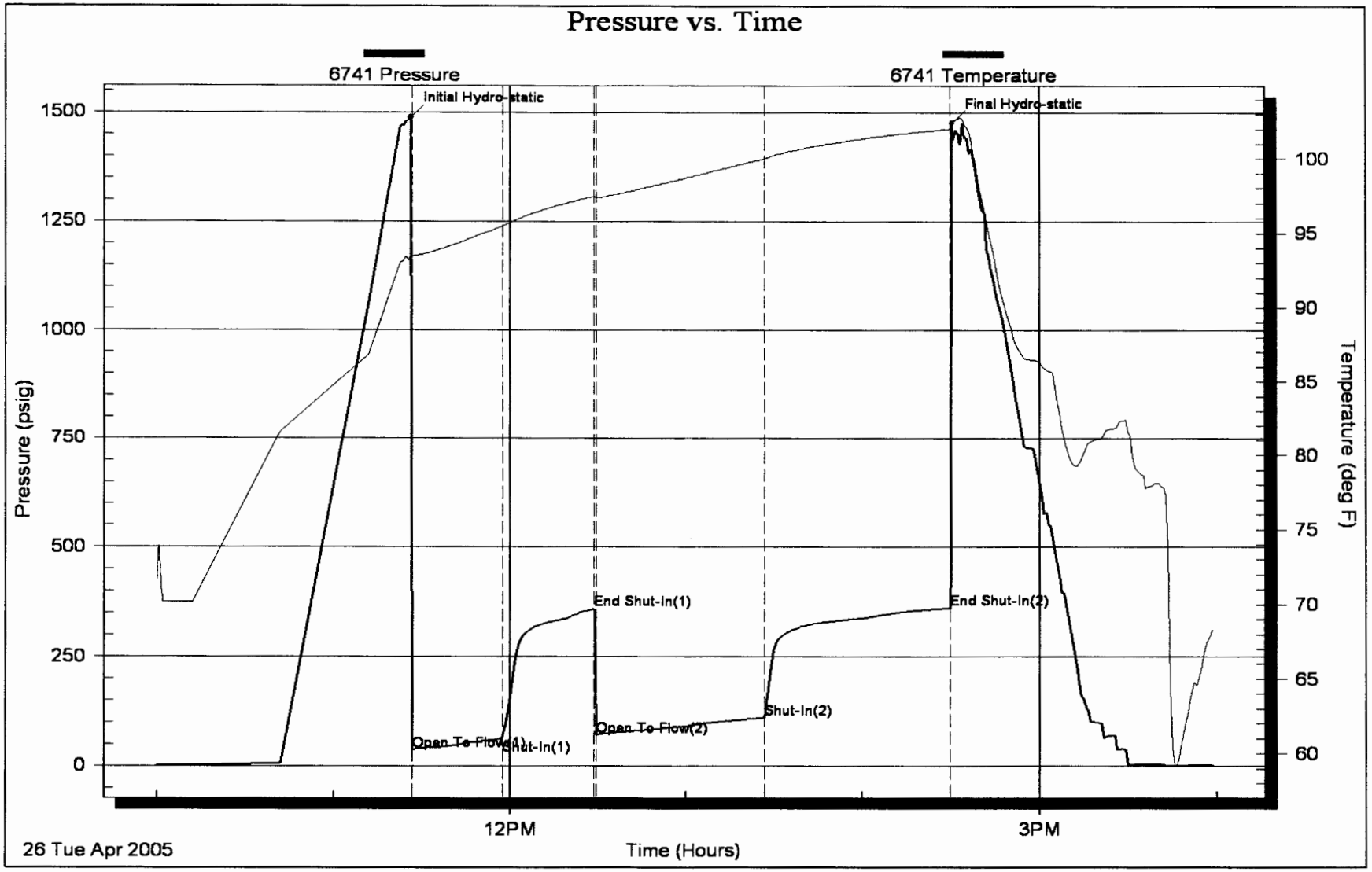
Length ft	Description	Volume bbl
60.00	MW 60&W 40%M	0.559
120.00	GSY HOCM 60%G 20%O 20%M	1.683
45.00	SOCM 10% O 90%M	0.631
0.00	800' GIP	0.000

Total Length: 225.00 ft Total Volume: 2.873 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: Rw .25 @ 67


Pressure vs. Time
6741 Pressure
6741 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure (psig)
Temperature (deg F)
1500
1250
1000
750
500
250
0
100
95
90
85
80
75
70
65
60
12PM
3PM
26 Tue Apr 2005
Time (Hours)