

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Five Star**

215 E. 4th
Harper, KS 67058

ATTN: Arden Ratzlaff

5-19s-21w/Ness

Olson #1-5

Start Date: 2006.01.23 @ 01:25:28

End Date: 2006.01.23 @ 08:15:27

Job Ticket #: 23351 DST #: 1

15-135-24449-00-00

Trilobite Testing, Inc

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TESTING, INC.

DRILL STEM TEST REPORT

Five Star
215 E 4th
Harper, KS 67058
ATTN: Arden Ratzlaff

Olson #1-5
5-19s-21w/Ness
Job Ticket: 23351 **DST#: 1**
Test Start: 2006.01.23 @ 01:25:28

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:48:57
Time Test Ended: 08:15:27

Test Type: Conventional Bottom Hole
Tester: Brian Fairbank
Unit No: 15

Interval: **4264.00 ft (KB) To 4270.00 ft (KB) (TVD)**
Total Depth: 4270.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2170.00 ft (KB)
2165.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6625

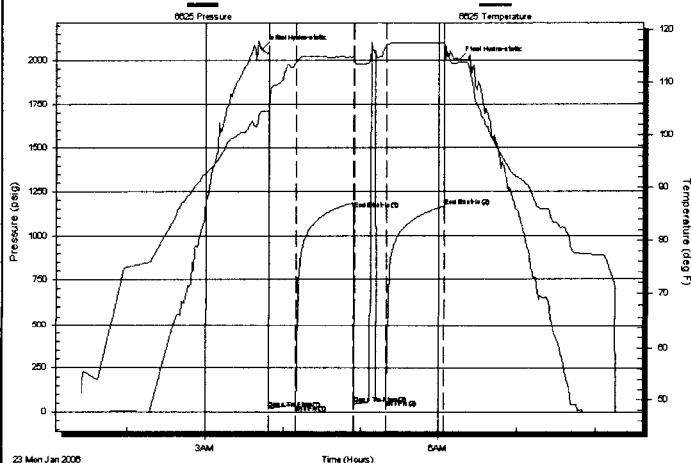
Inside

Press@RunDepth: 69.12 psig @ 4265.01 ft (KB)
Start Date: 2006.01.23 End Date: 2006.01.23
Start Time: 01:25:28 End Time: 08:15:27

Capacity: 7000.00 psig
Last Calib.: 2006.01.23
Time On Btm: 2006.01.23 @ 03:43:27
Time Off Btm: 2006.01.23 @ 06:14:57

TEST COMMENT: FP - weak to good blow 1" - 6"
ISI - no blow back
FFP - no blow reset tool after 12 min.
FSI - no blow back

Pressure vs. Time



PRESSURE SUMMARY

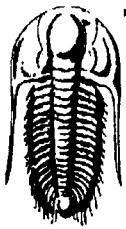
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2063.92	104.53	Initial Hydro-static
6	19.07	105.06	Open To Flow (1)
27	41.70	113.99	Shut-In(1)
71	1145.62	114.84	End Shut-In(1)
71	44.23	114.23	Open To Flow (2)
96	69.12	117.10	Shut-In(2)
141	1164.76	117.56	End Shut-In(2)
152	2001.41	113.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	WM 15% W, 85% M	0.14
90.00	MMV show oil 1% O, 79 W, 20% M	1.26
25.00	MMV show oil 1% O, 59% W, 40% M	0.35
3.00	FREE OIL	0.04

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Five Star

Olson #1-5

215 E. 4th
Harper, KS 67058

5-19s-21w/Ness

Job Ticket: 23351

DST#: 1

ATTN: Arden Ratzlaff

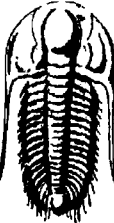
Test Start: 2006.01.23 @ 01:25:28

Tool Information

Drill Pipe:	Length: 4271.00 ft	Diameter: 3.80 inches	Volume: 59.91 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: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	68000.00 lb	
			Total Volume:	59.91 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial	53000.00 lb	
Depth to Top Packer:	4264.00 ft			Final	54000.00 lb	
Depth to Bottom Packer:	ft					
Interval between Packers:	6.01 ft					
Tool Length:	28.01 ft					
Number of Packers:	2	Diameter:	6.75 inches			
Tool Comments:						

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.I. Tool	5.00			4247.00	
HYD S.I. Tool	5.00			4252.00	
Safety Joint	2.00			4254.00	
Packer	5.00			4259.00	22.00 Bottom Of Top Packer
Packer	5.00			4264.00	
Stubb	1.00			4265.00	
Recorder	0.01	6625	Inside	4265.01	
Perforations	2.00			4267.01	
Bullnose	3.00			4270.01	6.01 Bottom Packers & Anchor
Total Tool Length:	28.01				

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		FLUID SUMMARY
	Five Star 215 E. 4th Harper, KS 67058 ATTN: Arden Ratzlaff	Olson #1-5 5-19s-21w/Ness Job Ticket: 23351 DST#: 1 Test Start: 2006.01.23 @ 01:25:28	

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:
Mud Weight: 9.00 lb/gal	Cushion Length: ft	deg API
Viscosity: 50.00 sec/qt	Cushion Volume: bbl	Water Salinity: ppm
Water Loss: 7.98 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 35000.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	WM 15% W, 85% M	0.140
90.00	MV show oil 1% O, 79 W, 20% M	1.262
25.00	MV show oil 1% O, 59% W, 40% M	0.351
3.00	FREE OIL	0.042

Total Length: 128.00 ft Total Volume: 1.795 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

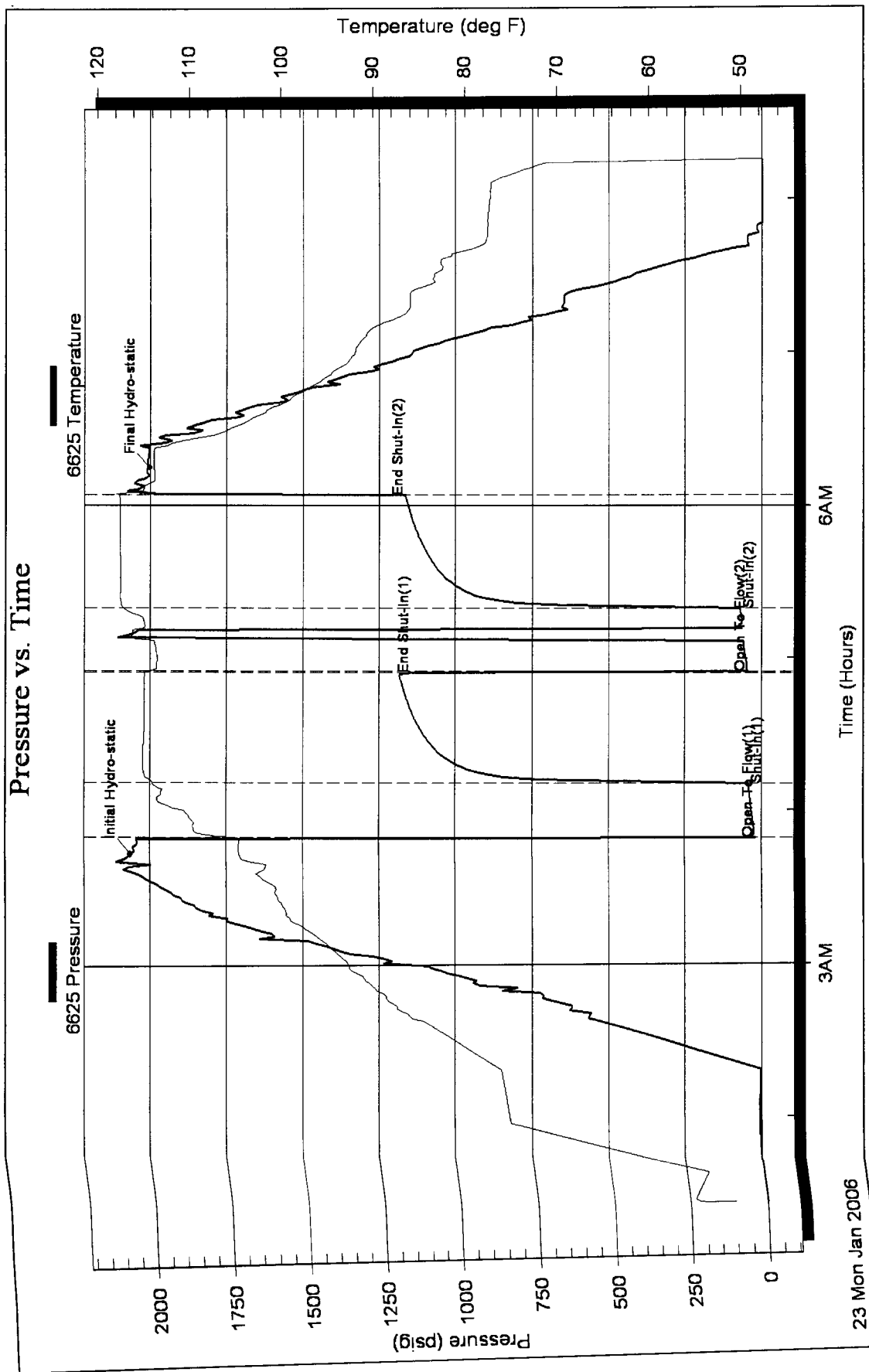
DST Test Number: 1

5-19s-21w/Ness

Inside Five Star

Serial #: 6625

Pressure vs. Time



Ref. No: 23351

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