



DRILL STEM TEST REPORT

Prepared For: **Kenneth S White**

2400 N Woodlawn
Ste #115
Wichita, KS 67220

ATTN: Chris Peters

36-29S-41W Stanton

Martin #2

Start Date: 2003.02.13 @ 22:59:03

End Date: 2003.02.14 @ 06:13:33

Job Ticket #: 16182 DST #: 1

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Kenneth S White
2400 N Woodlaw n
Ste #115
Wichita, KS 67220
ATTN: Chris Peters

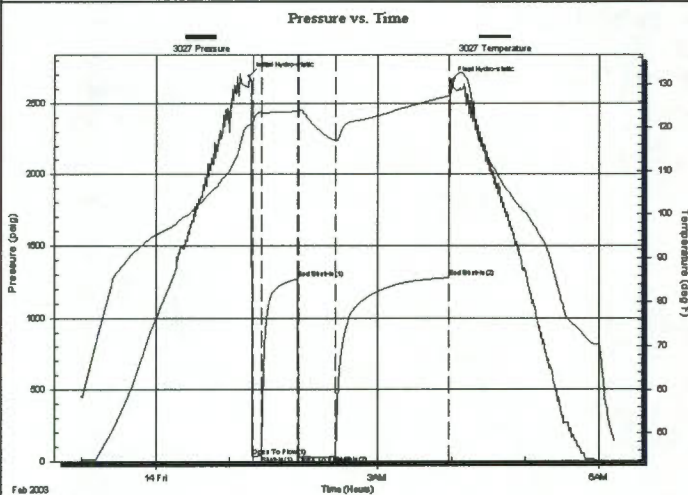
Martin #2
36-29S-41W Stanton
Job Ticket: 16182 **DST#: 1**
Test Start: 2003.02.13 @ 22:59:03

GENERAL INFORMATION:

Formation: **St Louis**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 01:19:03
Time Test Ended: 06:13:33
Interval: **5500.00 ft (KB) To 5525.00 ft (KB) (TVD)**
Total Depth: **5525.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Bottom Hole**
Tester: **Rod Steinbrink**
Unit No: **22**
Reference Elevations: **2358.00 ft (KB)**
2348.00 ft (CF)
KB to GR/CF: **10.00 ft**

Serial #: 3027 **Inside**
Press@RunDepth: **35.91 psig @ 5501.00 ft (KB)**
Start Date: **2003.02.13** End Date: **2003.02.14**
Start Time: **22:59:08** End Time: **06:13:32**
Capacity: **7000.00 psig**
Last Calib.: **1899.12.30**
Time On Btm: **2003.02.14 @ 01:16:03**
Time Off Btm: **2003.02.14 @ 03:59:33**

TEST COMMENT: IF; Strong blow off btm immed.
IS; No return
FF; Strong blow GTS @ 5 mins (TSTM)
FS; No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2690.46	120.61	Initial Hydro-static
3	30.90	121.43	Open To Flow (1)
11	39.07	123.39	Shut-In(1)
40	1269.69	123.72	End Shut-In(1)
41	37.23	123.76	Open To Flow (2)
70	35.91	116.92	Shut-In(2)
163	1277.90	127.23	End Shut-In(2)
164	2657.11	128.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drig. Mud	0.02

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	12.00	9.88
Last Gas Rate	0.13	2.00	6.14
Max. Gas Rate	0.13	12.00	9.88



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TOOL DIAGRAM

Kenneth S White

Martin #2

2400 N Woodlaw n

36-29S-41W Stanton

Ste #115

Job Ticket: 16182

DST#: 1

Wichita, KS 67220

Test Start: 2003.02.13 @ 22:59:03

ATTN: Chris Peters

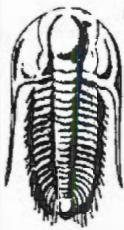
Tool Information

Drill Pipe:	Length:	4895.00 ft	Diameter:	3.80 inches	Volume:	68.66 bbl	Tool Weight:	2000.00 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:	610.00 ft	Diameter:	2.25 inches	Volume:	3.00 bbl	Weight to Pull Loose:	110000.0 lb
					Total Volume:	71.66 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		32.00 ft					String Weight: Initial	90000.00 lb
Depth to Top Packer:		5500.00 ft					Final	90000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		25.00 ft						
Tool Length:		52.00 ft						
Number of Packers:		2	Diameter:	6.75 inches				
Tool Comments:								

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			5478.00	
Hydraulic tool	5.00			5483.00	
Jars	5.00			5488.00	
Safety Joint	2.00			5490.00	
Packer	5.00			5495.00	27.00 Bottom Of Top Packer
Packer	5.00			5500.00	
Stubb	1.00			5501.00	
Recorder	0.00	3027	Inside	5501.00	
Perforations	19.00			5520.00	
Recorder	0.00	13371	Outside	5520.00	
Bullnose	5.00			5525.00	25.00 Bottom Packers & Anchor

Total Tool Length: 52.00



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FLUID SUMMARY

Kenneth S White

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36-29S-41W Stanton

Ste #115

Job Ticket: 16182

DST#: 1

Wichita, KS 67220

Test Start: 2003.02.13 @ 22:59:03

ATTN: Chris Peters

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:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drig. Mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



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GAS RATES

Kenneth S White

Martin #2

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Test Start: 2003.02.13 @ 22:59:03

ATTN: Chris Peters

Gas Rates Information

Temperature: 59 deg C

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
2	10	0.13	12.00	9.88
2	20	0.13	5.00	7.26
2	30	0.13	2.00	6.14

Serial #: 3027

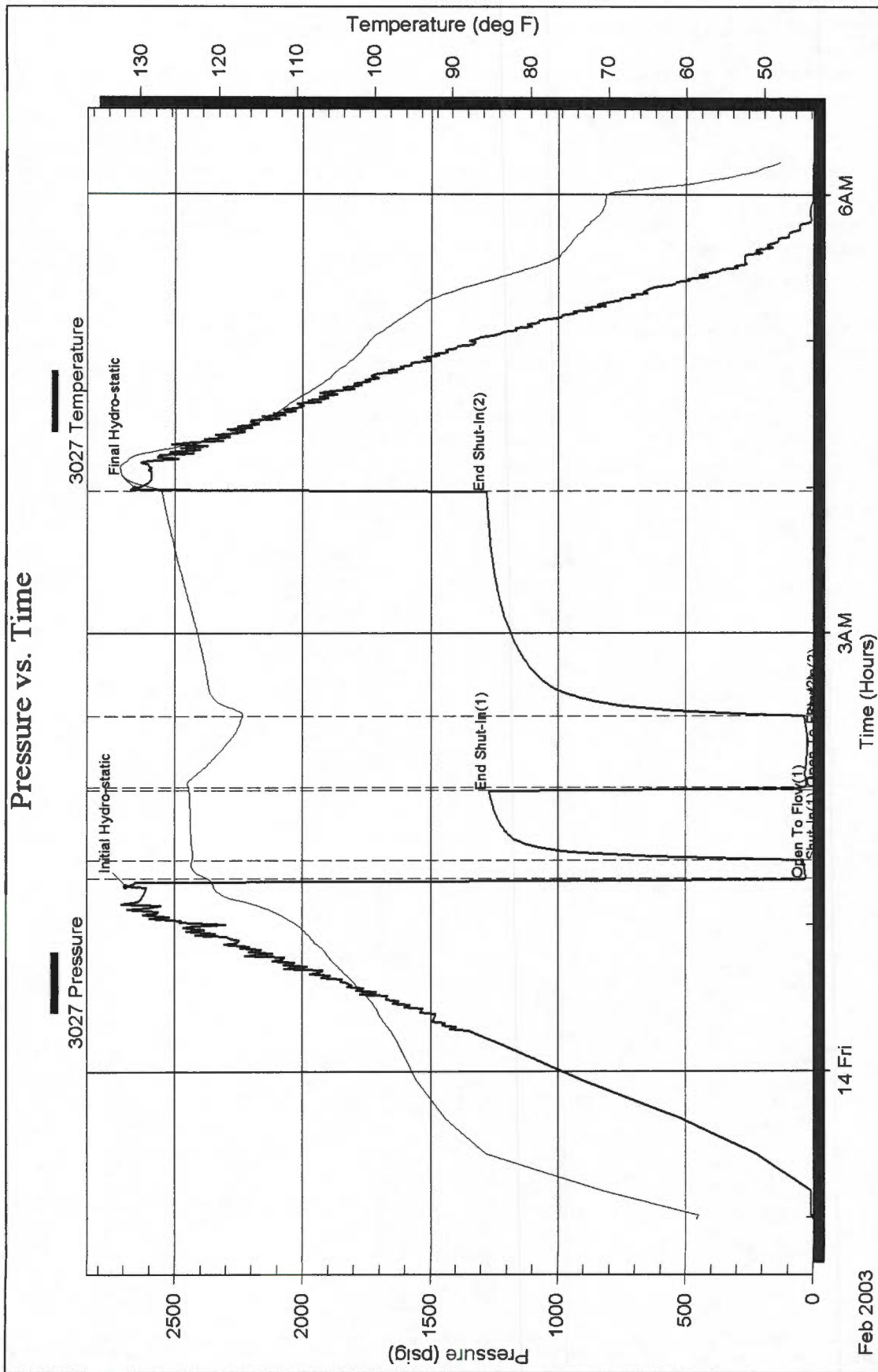
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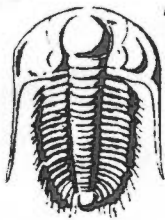
Kenneth S White

36-29S-41W Stanton

DST Test Number: 1

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

#5406

No 16182

Test Ticket

Well Name & No.	Martin #2	Test No.	1	Date	2-13-03
Company	Kenneth S. White	Zone Tested	St. Louis		
Address	2400 N. Woodlawn Ste. 115 Wichita, KS. 67220	Elevation	2358	KB	2348 GL
Co. Rep / Geo.	Chris Peters	Cont.	Murfin #14	Est. Ft. of Pay	Por. %
Location: Sec.	36	Twp.	29 ^s	Rge.	41 ^w
		Co.	Stanton	State	KS
No. of Copies		Distribution Sheet (Y, N)		Turnkey (Y, N)	
		Evaluation (Y, N)			

Interval Tested	5500 - 5525	Initial Str Wt./Lbs.	90,000	Unseated Str Wt./Lbs.	90,000
Anchor Length	25'	Wt. Set Lbs.	25,000	Wt. Pulled Loose/Lbs.	110,000
Top Packer Depth	5495	Tool Weight	2,000		
Bottom Packer Depth	5500	Hole Size — 7 7/8"		Rubber Size — 6 3/4"	
Total Depth	5525	Wt. Pipe Run		Drill Collar Run	610'
Mud Wt.	9.1	LCM	4#	Vis.	60
		WL	6.4	Drill Pipe Size	4 1/2" XH
				Ft. Run	4895'
Blow Description	IF: Strong blow off btm immed.				
	ISI: No return				
	FF: Strong blow GTS @ 5 mins. (5 mins) Gauged 9.8 to 5.8 mat/day				
	FSI: No return				

Recovery — Total Feet	5'	GIP	GTS	Ft. in DC	5'	Ft. in DP	
Rec.	Feet Of	%gas	%oil	%water	%mud		
Rec.	Feet Of	%gas	%oil	%water	%mud		
Rec.	5'	Feet Of	Drilg Mud	%gas	%oil	%water	100 %mud
Rec.	Feet Of	%gas	%oil	%water	%mud		
Rec.	Feet Of	%gas	%oil	%water	%mud		
BHT	127°	°F Gravity		°API D@		°F Corrected Gravity	
RW	@	°F	Chlorides	ppm Recovery	Chlorides	500	ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	2690	PSI	Recorder No.	3027	T-On Location	2230
(B) First Initial Flow Pressure			30	PSI	(depth)	5501	T-Started	2259
(C) First Final Flow Pressure			39	PSI	Recorder No.	13371	T-Open	0119
(D) Initial Shut-In Pressure			1269	PSI	(depth)	5520	T-Pulled	0358
(E) Second Initial Flow Pressure			37	PSI	Recorder No.		T-Out	0613
(F) Second Final Flow Pressure			35	PSI	(depth)		T-Off Location	0730
(G) Final Shut-in Pressure			1277	PSI	Initial Opening	5	Test	900
(Q) Final Hydrostatic Mud			2657	PSI	Initial Shut-in	30	Jars	X 200
					Final Flow	30	Safety Joint	X 50
					Final Shut-in	90	Straddle	
							Circ. Sub	X N/C
							Sampler	
							Extra Packer	
							Elec. Rec.	X 150
							Mileage	112 1 way 45
							Other	
							TOTAL PRICE \$	1345

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Approved By Chris Peters

Our Representative Rod Steinbrink

7:43

CHART PAGE

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

