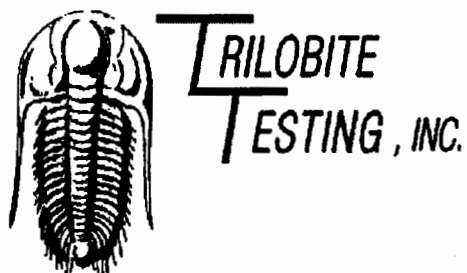


15-033-21329

9-32s-19w



DRILL STEM TEST REPORT

Prepared For: **Thoroughbred Assoc.**

8100 E.22nd St.No.Bldg.800
Ste.F
Wichita Ks. 67226

ATTN: Paul Gunzelman

9-32s-19w Comanche K

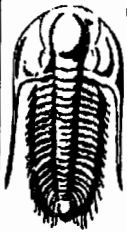
Ashton #1

Start Date: 2002.08.30 @ 12:21:48

End Date: 2002.08.30 @ 21:23:48

Job Ticket #: 16353 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

Thoroughbred Assoc.
8100 E.22nd St.No.Bldg.800
Ste.F
Wichita Ks. 67226
ATTN: Paul Gunzelman

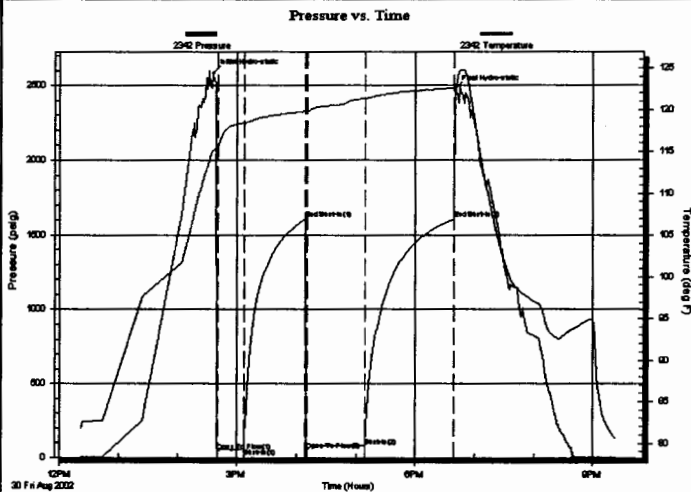
Ashton #1
9-32s-19w Comanche K
Job Ticket: 16353 **DST#: 1**
Test Start: 2002.08.30 @ 12:21:48

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 14:40:18
Time Test Ended: 21:23:48
Test Type: Conventional Bottom Hole
Tester: Gary Pevoteaux
Unit No: 23
Interval: **5135.00 ft (KB) To 5225.00 ft (KB) (TVD)**
Reference Elevations: 2057.00 ft (KB)
Total Depth: 5225.00 ft (KB) (TVD) 2052.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 5.00 ft

Serial #: 2342 **Inside**
Press@RunDepth: 79.14 psig @ 5136.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2002.08.30 End Date: 2002.08.30 Last Calib.: 2002.08.30
Start Time: 12:21:49 End Time: 21:23:48 Time On Btrr: 2002.08.30 @ 14:35:48
Time Off Btrr: 2002.08.30 @ 18:40:18

TEST COMMENT: F:Strong blow . B.O.B. in 20 secs. GTS in 20 mins.
(see gas volume report)
IS:No blow .
FF:Strong blow . (see gas volume report)



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2582.87	115.10	Initial Hydro-static
5	46.07	115.52	Open To Flow (1)
32	60.92	118.44	Shut-In(1)
93	1606.12	119.81	End Shut-In(1)
95	48.42	119.75	Open To Flow (2)
153	79.14	121.35	Shut-In(2)
244	1604.52	122.61	End Shut-In(2)
245	2475.95	122.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	SGCM 5%g 95%m	0.64

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	5.00	30.78
Last Gas Rate	0.25	9.00	37.12
Max. Gas Rate	0.25	14.00	45.05



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Thoroughbred Assoc.

Ashton #1

8100 E.22nd St.No.Bldg.800
Ste.F
Wichita Ks. 67226
ATTN: Paul Gunzelman

9-32s-19w Comanche K

Job Ticket: 16353 **DST#: 1**
Test Start: 2002.08.30 @ 12:21:48

Tool Information

Drill Pipe:	Length: 4838.00 ft	Diameter: 3.80 inches	Volume: 67.86 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 300.00 ft	Diameter: 2.25 inches	Volume: 1.48 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 69.34 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	5135.00 ft			Final 81000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	90.00 ft			
Tool Length:	112.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

C.O. Sub	1.00			5114.00	
S.I. Tool	5.00			5119.00	
HMV	5.00			5124.00	
Safety Joint	2.00			5126.00	
Packer	4.00			5130.00	22.00 Bottom Of Top Packer
Packer	5.00			5135.00	
Stubb	1.00			5136.00	
Recorder	0.00	2342	Inside	5136.00	
Perforations	5.00			5141.00	
C.O. Sub	1.00			5142.00	
Blank Spacing	62.00			5204.00	
C.O. Sub	1.00			5205.00	
Perforations	15.00			5220.00	
Recorder	0.00	13222	Outside	5220.00	
Bullnose	5.00			5225.00	90.00 Bottom Packers & Anchor

Total Tool Length: 112.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Thoroughbred Assoc.

Ashton #1

8100 E.22nd St.No.Bldg.800

9-32s-19w Comanche K

Ste.F

Job Ticket: 16353

DST#: 1

Wichita Ks. 67226

ATTN: Paul Gunzelman

Test Start: 2002.08.30 @ 12:21:48

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:

4000 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	SGCM 5%g 95%m	0.639

Total Length: 130.00 ft

Total Volume: 0.639 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #: gp-1

Laboratory Name: Caraway

Laboratory Location: Liberal KS

Recovery Comments:

Serial #: 2342

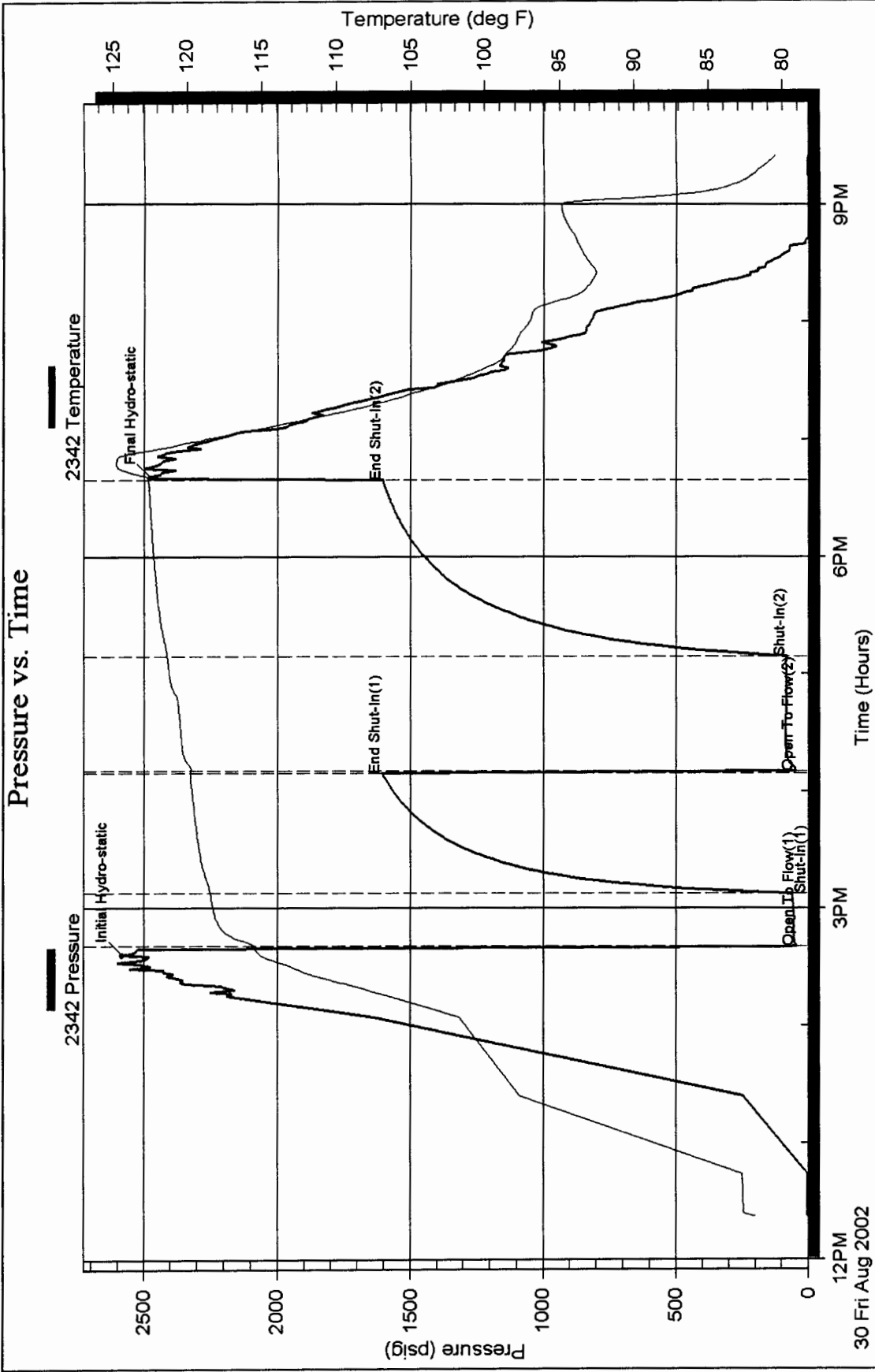
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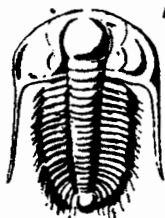
Thoroughbred Assoc.

9-32s-19w Comanche K

DST Test Number: 1

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

Invoice # 5123 # 11650

No 16353

Test Ticket

Well Name & No. Ashton # 1 Test No. 1 Date 8-30-2007
 Company Thoroughbred Assoc. Zone Tested Miss.
 Address 8100 E 22ND ST. No. BLDG. 800 STE. F, Wichita, KS 67226 Elevation 2057 KB 2052 GL
 Co. Rep / Geo. Paul Cunningham Cont. Richard Dalg. # 1 Est. Ft. of Pay Por. %
 Location: Sec. 9 Twp. 32S Rge. 19W Co. Comanche State KS
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 5135 - 5235' Initial Str Wt./Lbs. 80,000 Unseated Str Wt./Lbs. 81,000
 Anchor Length 90' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 90,000
 Top Packer Depth 5130' Tool Weight 2100#
 Bottom Packer Depth 5135' Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 5235' Wt. Pipe Run None Drill Collar Run 300'
 Mud Wt. 9.2 LCM 0 Vis. 62 WL 88 cc. Drill Pipe Size 4 1/2" X.H. Ft. Run 4838
 Blow Description IF: strong blow. D.O.B. in 20 secs. GTS in 20 mins.
(see gas volume report) ISI: No blow.
FF: strong blow. (see gas volume report) FSI: No blow.

Recovery — Total Feet 130 GIP Yes Ft. in DC 130 Ft. in DP 0
 Rec. 130 Feet Of 5 GCM %gas %oil %water 95 %mud
 Rec. Feet Of %gas %oil %water %mud
 Rec. Feet Of %gas %oil %water %mud
 Rec. Feet Of %gas %oil %water %mud
 Rec. Feet Of %gas %oil %water %mud
 BHT 123 °F Gravity N/A °API @ °F Corrected Gravity N/A °API
 RW N.C. @ °F Chlorides 4,000 ppm Recovery Chlorides 4,000 ppm System

	AK-1	Alpine	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud		2583 PSI	2342	1115
(B) First Initial Flow Pressure		46 PSI	(depth) 5130'	T-Started 1721
(C) First Final Flow Pressure		61 PSI	13222	T-Open 1440
(D) Initial Shut-In Pressure		1606 PSI	(depth) 5220'	T-Pulled 1839
(E) Second Initial Flow Pressure		48 PSI		T-Out 2123
(F) Second Final Flow Pressure		79 PSI	(depth)	T-Off Location 2230
(G) Final Shut-in Pressure		1605 PSI	Initial Opening 30	Test <input checked="" type="checkbox"/> 900
(Q) Final Hydrostatic Mud		2426 PSI	Initial Shut-in 60	Jars <u> </u>
			Final Flow 60	Safety Joint <input checked="" type="checkbox"/> 80
			Final Shut-in 90	Straddle <u> </u>
				Circ. Sub <u> </u>
				Sampler <u> </u>
				Extra Packer <u> </u>
				Elec. Rec. <input checked="" type="checkbox"/> 150
				Mileage <input checked="" type="checkbox"/> 65
				Other <u> </u>

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Paul

Our Representative Cory Parotians

TOTAL PRICE \$ 1165.00

CHART PAGE

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

