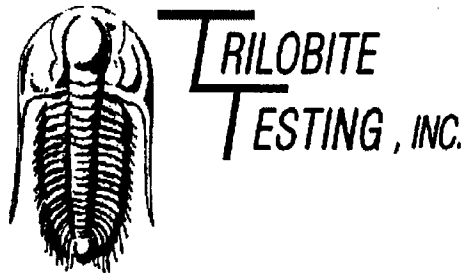


15-095-21839

17-29s-8w



DRILL STEM TEST REPORT

Prepared For: **Messenger Pet**

525 S Main
Kingman Ks 67608

ATTN: Jom Messenger

17 29s 8w

Sloan #1

Start Date: 2003.05.23 @ 13:49:59

End Date: 2003.05.23 @ 21:11:59

Job Ticket #: 17843 DST #: 1

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

Messenger Pet

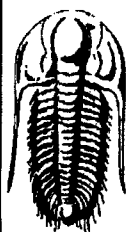
Sloan #1

17 29s 8w

DST # 1

Miss

2003.05.23



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Messenger Pet

525 S Main
Kingman Ks 67608

ATTN: Jom Messenger

Sloan #1

17 29s 8w

Job Ticket: 17843

DST#: 1

Test Start: 2003.05.23 @ 13:49:59

GENERAL INFORMATION:

Formation: **Miss**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 15:42:44

Time Test Ended: 21:11:59

Test Type: **Conventional Bottom Hole**

Tester: **Wenrich**

Unit No: **24**

Interval: **4197.00 ft (KB) To 4207.00 ft (KB) (TVD)**

Total Depth: **4207.00 ft (KB) (TVD)**

Hole Diameter: **7.79 inches** Hole Condition: **Fair**

Reference Elevations: **1672.00 ft (KB)**

1663.00 ft (CF)

KB to GR/CF: **9.00 ft**

Serial #: 3310

Inside

Press@RunDepth: **272.79 psig @ 4198.00 ft (KB)**

Start Date: **2003.05.23**

End Date:

2003.05.23

Start Time: **13:50:04**

End Time:

21:11:58

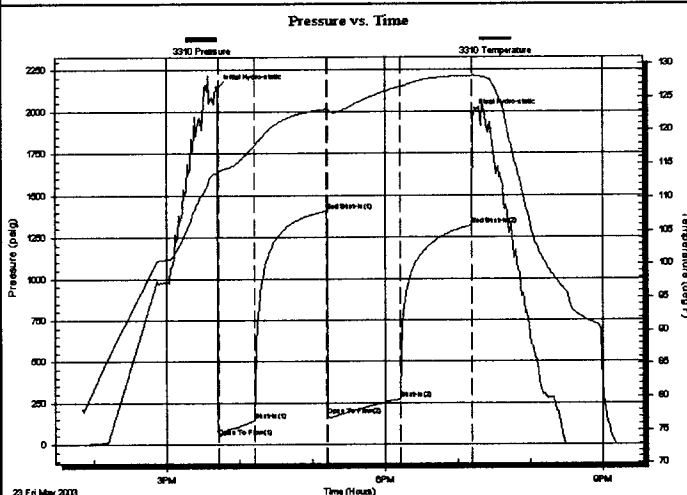
Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Time On Btm: **2003.05.23 @ 15:41:59**

Time Off Btm: **2003.05.23 @ 19:12:13**

TEST COMMENT: IF: Strong blow .BOB in 1 min.
IS: Weak blow .1/2" in bucket.
FF: Strong blow .BOB in 4 mins. GTS in 35 mins. Not gaugeable
FS: Strong blow .BOB in 3.5 mins



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2143.39	113.69	Initial Hydro-static
1	50.29	113.84	Open To Flow (1)
31	143.49	117.81	Shut-in(1)
90	1407.63	123.24	End Shut-in(1)
91	171.17	123.33	Open To Flow (2)
151	272.79	126.56	Shut-in(2)
210	1321.42	128.19	End Shut-in(2)
211	1986.74	128.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
430.00	w	4.05
150.00	w m 70% m 30% w	2.10

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Messenger Pet

525 S Main
Kingman Ks 67608

ATTN: Jom Messenger

Sloan #1

17 29s 8w

Job Ticket: 17843

DST#: 1

Test Start: 2003.05.23 @ 13:49:59

Tool Information

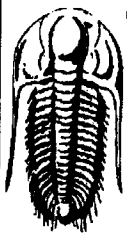
Drill Pipe:	Length: 3967.00 ft	Diameter: 3.80 inches	Volume: 55.65 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 218.00 ft	Diameter: 2.25 inches	Volume: 1.07 bbl	Weight to Pull Loose:	65000.00 lb
			<u>Total Volume: 56.72 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial	53000.00 lb
Depth to Top Packer:	4197.00 ft			Final	56000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	10.00 ft				
Tool Length:	35.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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C.O. Sub	1.00			4173.00	
S.I. Tool	5.00			4178.00	
HMV	5.00			4183.00	
Jars	5.00			4188.00	
Safety Joint	0.00			4188.00	
Packer	4.00			4192.00	25.00 Bottom Of Top Packer
Packer	5.00			4197.00	
Stubb	1.00			4198.00	
Recorder	0.00	3310	Inside	4198.00	
Perforations	7.00			4205.00	
Recorder	0.00	10242	Outside	4205.00	
Bullnose	2.00			4207.00	10.00 Bottom Packers & Anchor

Total Tool Length: 35.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Messenger Pet

Sloan #1

525 S Main
Kingman Ks 67608

17 29s 8w

Job Ticket: 17843

DST#: 1

ATTN: Jom Messenger

Test Start: 2003.05.23 @ 13:49:59

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:

55000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.37 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
430.00	w	4.046
150.00	w m 70% m 30% w	2.104

Total Length: 580.00 ft

Total Volume: 6.150 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 3310

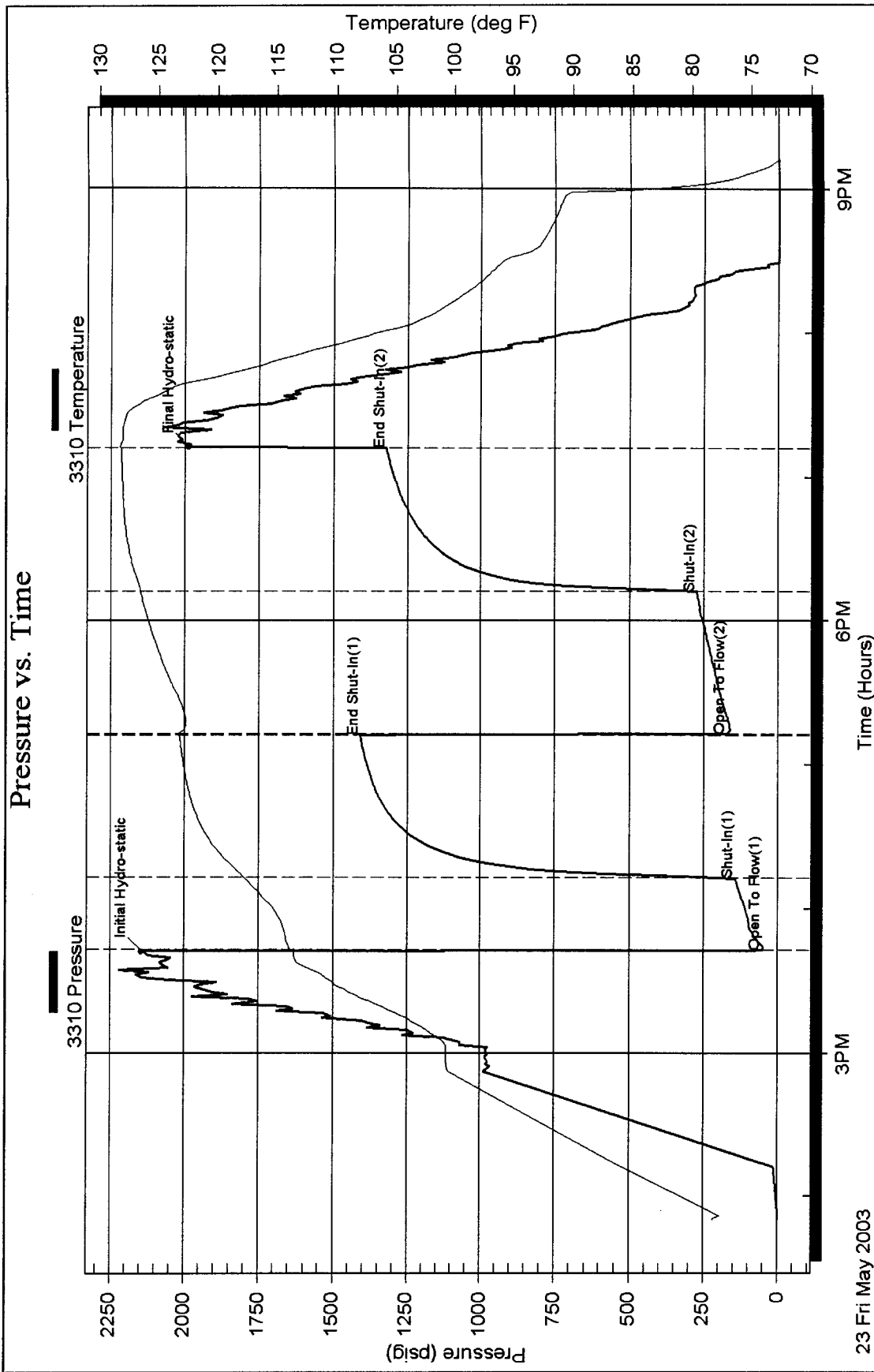
Inside

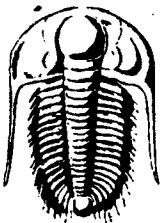
Messenger Pot

17 29s 8w

DST Test Number: 1

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 17843

12/02

Test Ticket

Well Name & No. Sloan #1 Test No. 1 Date 5/23/03
 Company Messenger Pet. Zone Tested Miss
 Address 525 S. MAIN Kingman Ks 67068 Elevation 1672 KB 1643 GL
 Co. Rep / Geo. Jon Messenger Cont. sterling Rg #4 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 17 Twp. 29s Rge. 8w Co. Kingman State Ks
 No. of Copies 5 Distribution Sheet (Y, N) ✓ Turnkey (Y, N) ✓ Evaluation (Y, N) ✓

Interval Tested 41907 4207 Initial Str Wt./Lbs. 53,000 Unseated Str Wt./Lbs. 56,000
 Anchor Length _____ 10 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 65,000
 Top Packer Depth _____ 4192 Tool Weight 2100
 Bottom Packer Depth _____ 4197 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth _____ 4207 Wt. Pipe Run 0 Drill Collar Run 218
 Mud Wt. 9.4 LCM 0 Vis. 60 WL 10.4 Drill Pipe Size 4 1/2 X H Ft. Run 3967
 Blow Description IF: Strong blow. B.O.B. in 1 min. FSI: Weak blow. 1/2" in
bucket. FF: Strong blow. B.O.B. in 4 mins. GTS. in 35 mins
NOT GAUGEABLE. FSI: Strong blow. ROB in 35 mins.

Recovery - Total Feet 580 GIP BTS Ft. in DC 218 Ft. in DP 362
 Rec. 150 Feet of Wm 70% m 30% w
 Rec. 430 Feet of W 100% w
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 BHT 128 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW 156 @ 68.3 °F Chlorides 55,000 ppm Recovery _____ Chlorides 4,000 ppm System

AK-1	Alpine	Recorder No.	3310	Test	✓ 800
(A) Initial Hydrostatic Mud	2143 PSI	(depth)	4198	Elec. Rec.	✓ 150
(B) First Initial Flow Pressure	50 PSI	Recorder No.	10242	Jars	✓ 200
(C) First Final Flow Pressure	143 PSI	(depth)	4205	Safety Jt.	✓ 50
(D) Initial Shut-In Pressure	1408 PSI	Recorder No.		Circ Sub	
(E) Second Initial Flow Pressure	171 PSI	(depth)		Sampler	
(F) Second Final Flow Pressure	273 PSI	Initial Opening	30	Straddle	
(G) Final Shut-In Pressure	1321 PSI	Initial Shut-In	60	Ext. Packer	
(Q) Final Hydrostatic Mud	1022 PSI	Final Flow	60	Shale Packer	
		Final Shut-In	60	Mileage	45
		T-On Location	1245	Sub Total:	1245
		T-Started	1350	Std. By	
		T-Open	1542	Other	
		T-Pulled	1913	Total:	
		T-Out	2112		

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 _____
 Our Representative Jon Messenger

CHART PAGE

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

