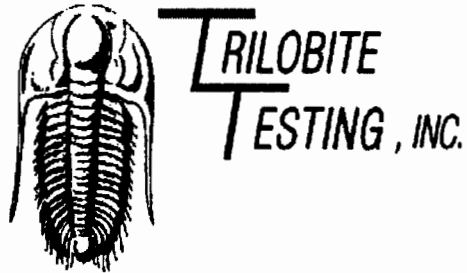


15-095-21861

34-28s-8w



DRILL STEM TEST REPORT

Prepared For: **Messenger Petl.Inc.**

522 S.Main
Kingman Ks.67068

ATTN: Jon Messenger

34-28s-8w Kingman Ks

Schumacher Trust #1

Start Date: 2003.12.15 @ 18:38:04

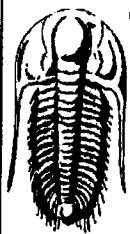
End Date: 2003.12.15 @ 23:36:49

Job Ticket #: 17967 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

Messenger Petr. Inc.

522 S. Main
Kingman Ks. 67068

ATTN: Jon Messenger

Schumacher Trust #1

34-28s-8w Kingman Ks

Job Ticket: 17967

DST#: 1

Test Start: 2003.12.15 @ 18:38:04

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 23:36:49

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 23

Interval: **4118.00 ft (KB) To 4125.00 ft (KB) (TVD)**

Total Depth: 4125.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 1655.00 ft (KB)

1646.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 6770 Inside

Press@RunDepth: psig @ 4119.00 ft (KB)

Start Date: 2003.12.15

End Date:

2003.12.15

Start Time: 18:38:09

End Time:

23:36:48

Capacity: 7000.00 psig

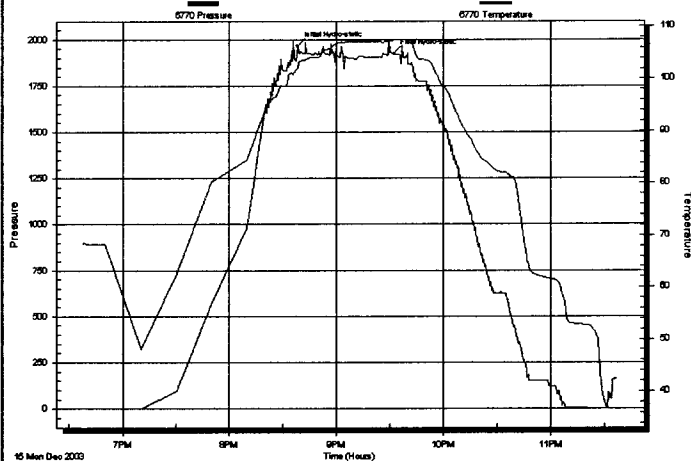
Last Calib.: 2003.12.15

Time On Btm: 2003.12.15 @ 20:38:19

Time Off Btm: 2003.12.15 @ 21:32:19

TEST COMMENT: Hit very solid bridge 55 ft. from btm.
Tried several times to hammer through with no success.
Pulled 108,000# over string weight to back off bridge. MISRUN!

Pressure vs. Time



PRESSURE SUMMARY

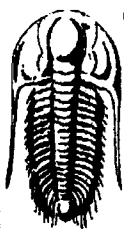
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1965.40	102.04	Initial Hydro-static
54	1922.84	107.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00		0.00

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Messenger Petl. Inc.

522 S. Main
Kingman Ks. 67068

ATTN: Jon Messenger

Schumacher Trust #1

34-28s-8w Kingman Ks

Job Ticket: 17967

DST#: 1

Test Start: 2003.12.15 @ 18:38:04

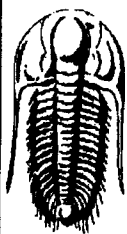
Tool Information

Drill Pipe:	Length: 3857.00 ft	Diameter: 3.80 inches	Volume: 54.10 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:	50000.00 lb
Drill Collar:	Length: 248.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose:	173000.0 lb
		Total Volume:	55.32 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial	65000.00 lb
Depth to Top Packer:	4118.00 ft			Final	65000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	7.00 ft				
Tool Length:	27.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

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

Change Over Sub	1.00			4099.00	
Shut In Tool	5.00			4104.00	
Hydraulic tool	5.00			4109.00	
Packer	4.00			4113.00	20.00 Bottom Of Top Packer
Packer	5.00			4118.00	
Stubb	1.00			4119.00	
Recorder	0.00	6770	Inside	4119.00	
Perforations	1.00			4120.00	
Recorder	0.00	13222	Outside	4120.00	
Bullnose	5.00			4125.00	7.00 Bottom Packers & Anchor
Total Tool Length:	27.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Messenger Petr. Inc.

522 S. Main
Kingman Ks. 67068

ATTN: Jon Messenger

Schumacher Trust #1

34-28s-8w Kingman Ks

Job Ticket: 17967

DST#: 1

Test Start: 2003.12.15 @ 18:38:04

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 42.00 sec/qt

Water Loss: 11.99 in³

Resistivity: 0.00 ohm.m

Salinity: 8000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00		0.000

Total Length: ft

Total Volume: bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments: LCM 18 lbs/bl.

DST Test Number: 1

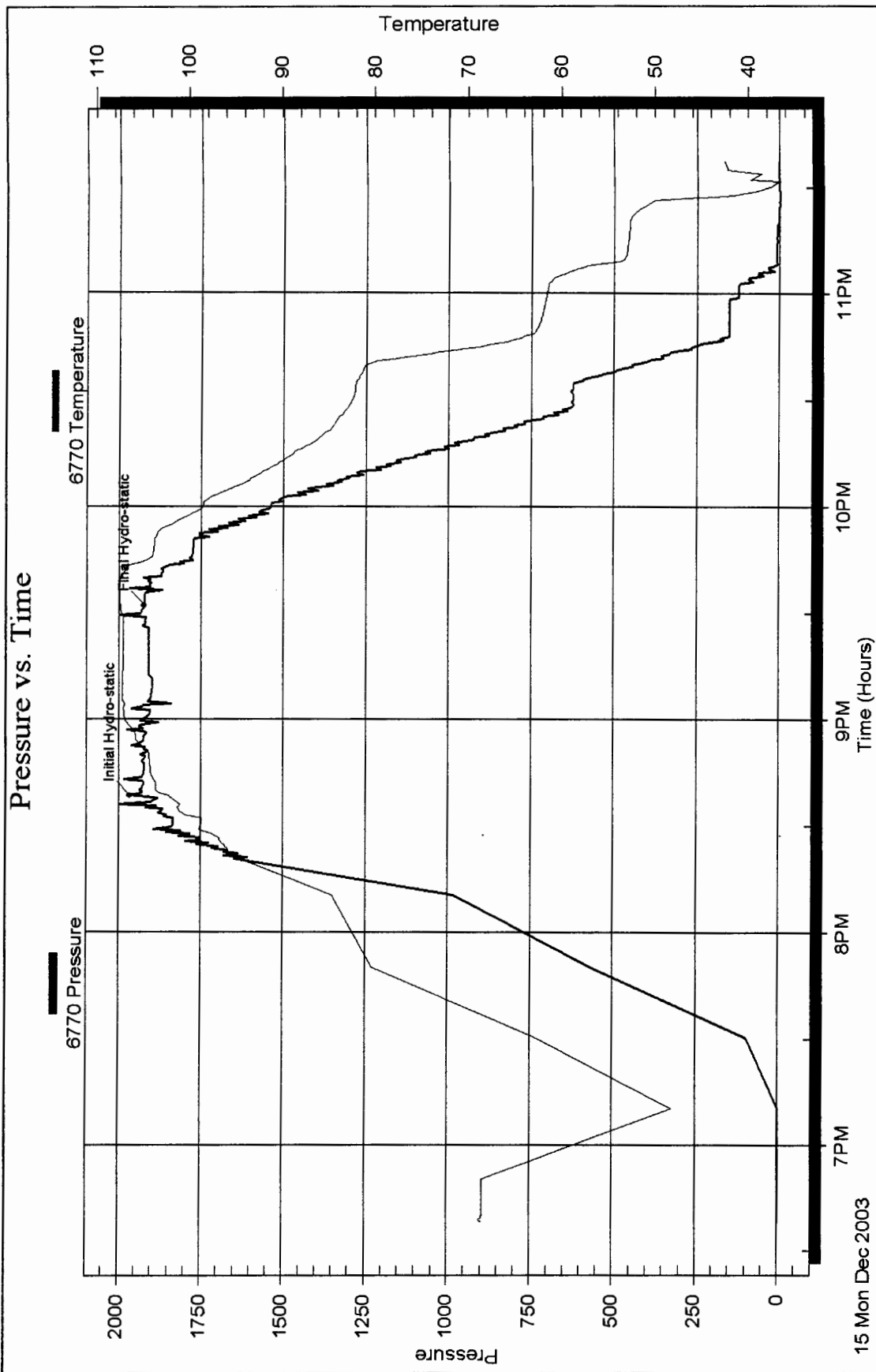
34-28s-8w Kingman Ks

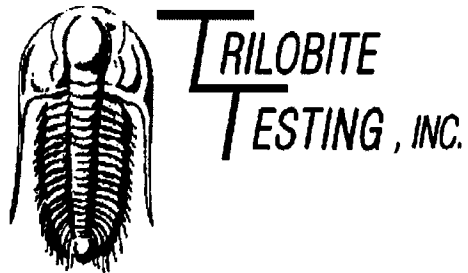
Messenger Petl Inc.

Inside

Serial #: 6770

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Messenger Petl.Inc.**

522 S.Main
Kingman Ks.67068

ATTN: Jon Messenger

34-28s-8w Kingman Ks

Schumacher Trust #1

Start Date: 2003.12.16 @ 09:05:20

End Date: 2003.12.16 @ 17:05:35

Job Ticket #: 17968 DST #: 2

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Messenger Petll, Inc.

522 S. Main
Kingman Ks. 67068

ATTN: Jon Messenger

Schumacher Trust #1

34-28s-8w Kingman Ks

Job Ticket: 17968

DST#: 2

Test Start: 2003.12.16 @ 09:05:20

GENERAL INFORMATION:

Formation: **Miss**

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

Time Tool Opened: 11:18:05

Time Test Ended: 17:05:35

Test Type: **Conventional Bottom Hole**

Tester: **Gary Pevoteaux**

Unit No: **23**

Interval: **4055.00 ft (KB) To 4125.00 ft (KB) (TVD)**

Total Depth: **4125.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1655.00 ft (KB)**

1646.00 ft (CF)

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

Serial #: 6770

Inside

Press@RunDepth: **80.96 psig @ 4056.00 ft (KB)**

Start Date: **2003.12.16**

End Date:

2003.12.16

Start Time: **09:05:25**

End Time:

17:05:34

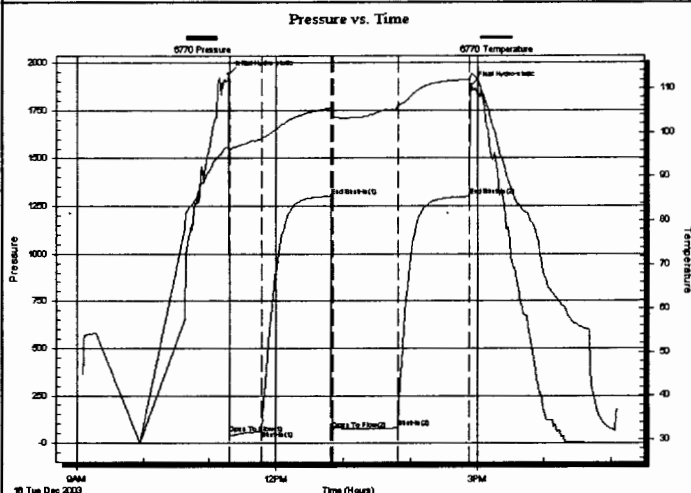
Capacity: **7000.00 psig**

Last Calib.: **2003.12.16**

Time On Btm: **2003.12.16 @ 11:17:20**

Time Off Btm: **2003.12.16 @ 14:54:35**

TEST COMMENT: **IF: Strong blow . B.O.B. in 2 1/2 mins.**
IS: Weak blow . 1 - 2".
FF: Strong blow . GTS in 6 secs. (see gas volume report)
FS: Weak blow . 1/2".



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1941.05	96.61	Initial Hydro-static
1	52.68	96.08	Open To Flow (1)
31	66.74	98.72	Shut-In(1)
92	1300.66	105.52	End Shut-In(1)
94	73.20	103.91	Open To Flow (2)
152	80.96	106.13	Shut-In(2)
216	1298.82	112.02	End Shut-In(2)
218	1881.59	113.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
250.00	Drig. mud	1.25

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	4.00	67.40
Last Gas Rate	0.38	6.00	74.73
Max. Gas Rate	0.38	6.00	74.73



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Messenger Petl. Inc.

522 S. Main
Kingman Ks. 67068

ATTN: Jon Messenger

Schumacher Trust #1

34-28s-8w Kingman Ks

Job Ticket: 17968

DST#: 2

Test Start: 2003.12.16 @ 09:05:20

Tool Information

Drill Pipe:	Length: 3798.00 ft	Diameter: 3.80 inches	Volume: 53.28 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: 248.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose:	76000.00 lb
		Total Volume:	54.50 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial	65000.00 lb
Depth to Top Packer:	4055.00 ft			Final	66000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	70.00 ft				
Tool Length:	90.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4036.00	
Shut In Tool	5.00			4041.00	
Hydraulic tool	5.00			4046.00	
Packer	4.00			4050.00	20.00 Bottom Of Top Packer
Packer	5.00			4055.00	
Stubb	1.00			4056.00	
Recorder	0.00	6770	Inside	4056.00	
Perforations	3.00			4059.00	
Change Over Sub	1.00			4060.00	
Blank Spacing	59.00			4119.00	
Change Over Sub	1.00			4120.00	
Recorder	0.00	13222	Outside	4120.00	
Bullnose	5.00			4125.00	70.00 Bottom Packers & Anchor

Total Tool Length: 90.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Messenger Petl. Inc.

Schumacher Trust #1

522 S. Main
Kingman Ks. 67068

34-28s-8w Kingman Ks

Job Ticket: 17968

DST#: 2

ATTN: Jon Messenger

Test Start: 2003.12.16 @ 09:05:20

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 11.98 in³

Resistivity: 0.00 ohm.m

Salinity: 8000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

8000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
250.00	Drlg.mud	1.248

Total Length: 250.00 ft

Total Volume: 1.248 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #: gp-2

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Messenger Petr. Inc.

Schumacher Trust #1

522 S. Main
Kingman Ks. 67068

34-28s-8w Kingman Ks

Job Ticket: 17968

DST#: 2

ATTN: Jon Messenger

Test Start: 2003.12.16 @ 09:05:20

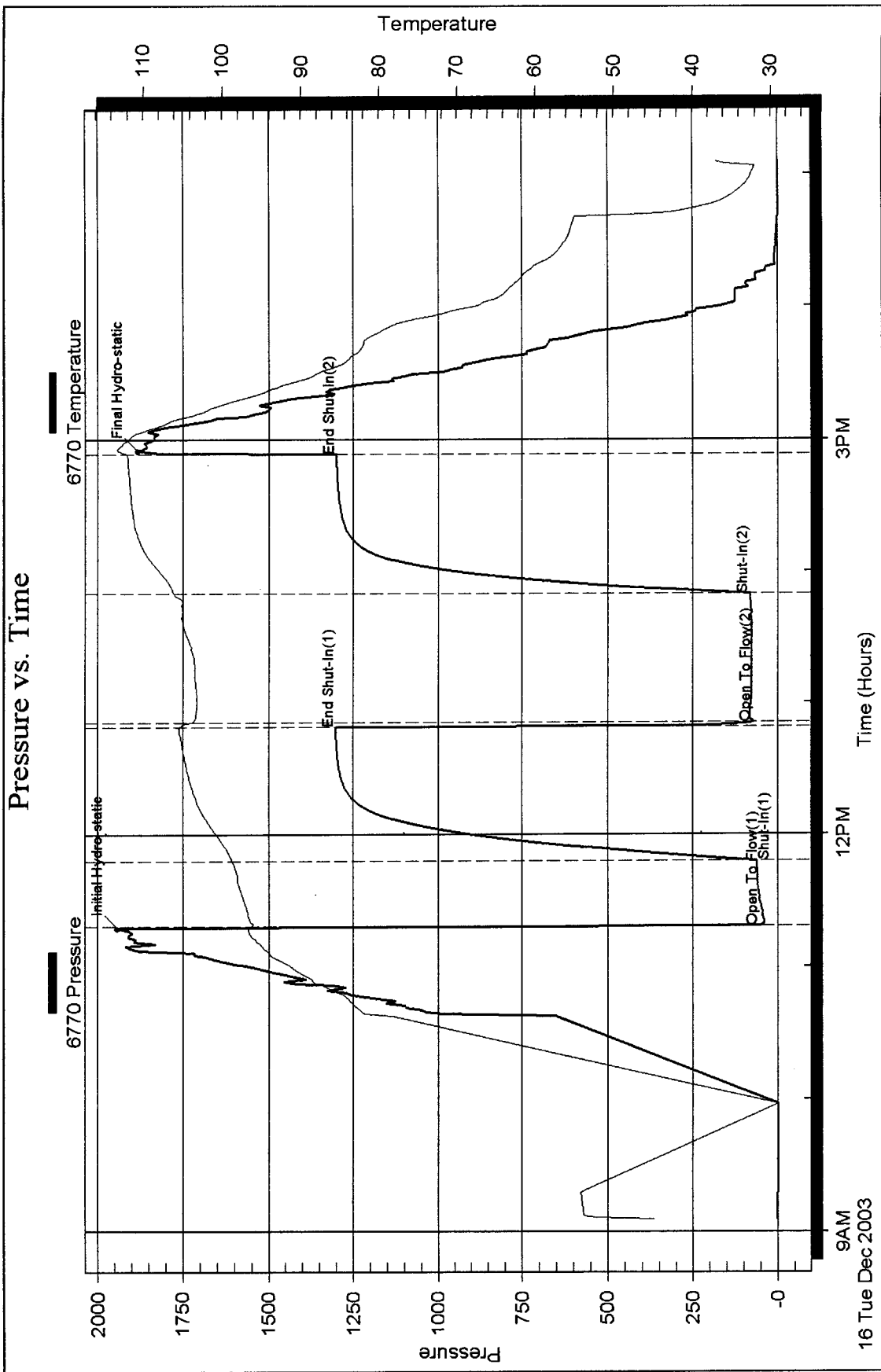
Gas Rates Information

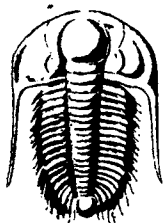
Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
2	10	0.38	4.00	67.40
2	20	0.38	4.00	67.40
2	30	0.38	3.00	63.74
2	40	0.38	4.00	67.40
2	50	0.38	5.00	71.07
2	60	0.38	6.00	74.73

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV
6075

Nº 17967

05/03

Test Ticket

Well Name & No. Schumacher Trust #1 Test No. 1 Date 12-15-03
Company Messenger Pith. Inc. Zone Tested Miss.
Address 522 S. Main, Kingman / Co. 67068 Elevation 1655 KB 1646 GL
Co. Rep / Geo. Jon Messenger Cont. Stirling Dely #4 Est. Ft. of Pay _____ Por. _____ %
Location: Sec. 34 Twp. 28 Rge. 8 Co. Kingman State Ks.
No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4118 - 4125' Initial Str Wt./Lbs. 65,000 Unseated Str Wt./Lbs. 65,000
Anchor Length 7' Wt. Set Lbs. 50,000 Wt. Pulled Loose/Lbs. 173,000
Top Packer Depth 4113' Tool Weight 2100 #
Bottom Packer Depth 4118' Hole Size 7 7/8" Rubber Size 6 3/4"
Total Depth 4125' Wt. Pipe Run None Drill Collar Run 248'
Mud Wt. 8.8 LCM 18# Vis. 42 WL 12.0cc Drill Pipe Size 4 1/2" Ft. Run 3857
Blow Description None

COMMENT: Hit very solid bridge 55 ft. from btm. Tried several times to hammer through with no success. Pulled 108,000# over string weight to break off bridge.

Recovery - Total Feet 0 GIP 0 Ft. in DC 0 Ft. in DP 0
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
Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
BHT N/A °F Gravity ~ °API D @ N/A °F Corrected Gravity N/A °API
RW N/C @ ~ °F Chlorides None ppm Recovery _____ Chlorides 8,000 ppm System

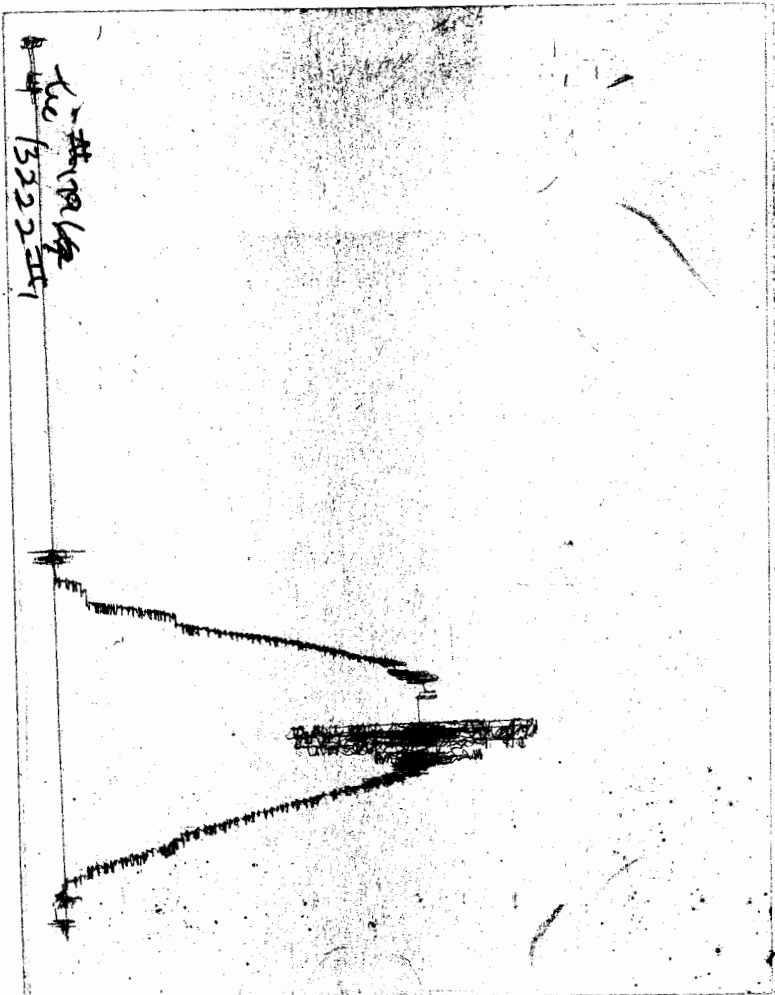
	AK-1	Alpine	Recorder No.		Test
(A) Initial Hydrostatic Mud	1955	PSI	6770		Pressure 60000
(B) First Initial Flow Pressure		PSI	4119'		Elec. Rec. ✓ 150°
(C) First Final Flow Pressure		PSI	13222		Jars
(D) Initial Shut-In Pressure		PSI	4120'		Safety Jt.
(E) Second Initial Flow Pressure		PSI			Circ Sub
(F) Second Final Flow Pressure		PSI			Sampler
(G) Final Shut-In Pressure		PSI			Straddle
(Q) Final Hydrostatic Mud	1923	PSI			Ext. Packer

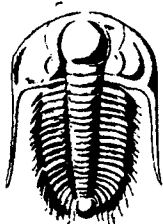
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Approved By Jon T-Started 1837 T-Open N/A T-Pulled 2140 T-Out 2336
Our Representative Cony Pawlany

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

Nº 17968

05/03

Test Ticket

Well Name & No. Schumacher Trust #1 Test No. 2 Date 12-16-03
 Company Messenger Drill. Inc. Zone Tested Miss.
 Address 5223 Main, Kingman KS 67068 Elevation 1685 KB 1646 GL
 Co. Rep / Geo. Tom Messenger Cont. Sterling Drilling Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 34 Twp. 28 S Rge. 8 W Co. Kingman State KS
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4055 - 4125' Initial Str Wt./Lbs. 65,000 Unseated Str Wt./Lbs. 66,000
 Anchor Length 70' Wt. Set Lbs. 26,000 Wt. Pulled Loose/Lbs. 76,000
 Top Packer Depth 4050' Tool Weight 2100 lb
 Bottom Packer Depth 4055' Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 4125' Wt. Pipe Run None Drill Collar Run 248'
 Mud Wt. 8.8 LCM 14# Vis. 48 WL 12.0 cc Drill Pipe Size 4 1/2" Ft. Run 3798
 Blow Description IF: Strong blow. 30.8 in 2 1/2 mins. IS: Weak blow. 1-2"

FF: Strong blow. GTS in 6 sec. (see gas volume report)
FSI: Weak blow. 1/2"

Recovery - Total Feet 250 GIP Yes Ft. in DC 248 Ft. in DP 2
 Rec. 250 Feet of Drill Mud %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 _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 112 °F Gravity N/A °API D @ _____ °F Corrected Gravity N/A °API
 RW N.C. @ _____ °F Chlorides 8,000 ppm Recovery _____ Chlorides 8,000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		1941 PSI	6770	✓ 800"
(B) First Initial Flow Pressure		53 PSI	4056'	Elec. Rec. ✓ 150"
(C) First Final Flow Pressure		67 PSI	13222	Jars _____
(D) Initial Shut-In Pressure		1301 PSI	4120'	Safety Jt. _____
(E) Second Initial Flow Pressure		73 PSI		Circ Sub _____
(F) Second Final Flow Pressure		81 PSI		Sampler _____
(G) Final Shut-In Pressure		1299 PSI	Initial Opening 30	Straddle _____
(Q) Final Hydrostatic Mud		1882 PSI	Initial Shut-In 60	Ext. Packer _____
			Final Flow 60	Shale Packer _____
			Final Shut-In 60	Mileage ✓ 36"
			T-On Location 0850	Sub Total: 986"
			T-Started 0905	Std. By _____
			T-Open 1118	Other _____
			T-Pulled 1453	Total: ✓ 986"
			T-Out 1705	

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Approved By [Signature]
 Our Representative [Signature]

GAS VOLUME REPORT

Messinger Petl. Inc. OPERATOR

Schumacher Trust #

2
DST NO.

[illegible]

Remarks:

CHART PAGE

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

