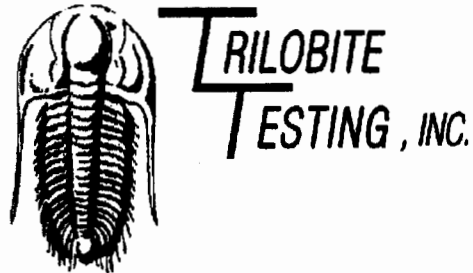


15-095-22081

10-295-8w



DRILL STEM TEST REPORT

Prepared For: **Messenger Petroleum Inc**

525 S Main
Kingman KS 67068

ATTN: Jon Messenger

10 29 8W Kingman KS

Bock-Kinsler #1

Start Date: 2007.02.01 @ 15:09:36

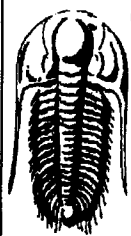
End Date: 2007.02.01 @ 20:56:36

Job Ticket #: 27046 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 Petroleum Inc

525 S Main
Kingman KS 67068

ATTN: Jon Messenger

Bock-Kinsler #1

10 29 8W Kingman KS

Job Ticket: 27046

DST#: 1

Test Start: 2007.02.01 @ 15:09:36

GENERAL INFORMATION:

Formation: **Indian Cove**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:53:06

Time Test Ended: 20:56:36

Test Type: Conventional Bottom Hole

Tester: Zach Stover

Unit No: 23

Interval: **2286.00 ft (KB) To 2352.00 ft (KB) (TVD)**

Total Depth: 2352.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1697.00 ft (KB)

1688.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8290

Inside

Press@RunDepth: 249.01 psig @ 2292.00 ft (KB)

Start Date: 2007.02.01

End Date:

2007.02.01

Capacity: 7000.00 psig

Last Calib.: 2007.02.01

Start Time: 15:09:41

End Time:

19:36:35

Time On Btm: 2007.02.01 @ 16:52:51

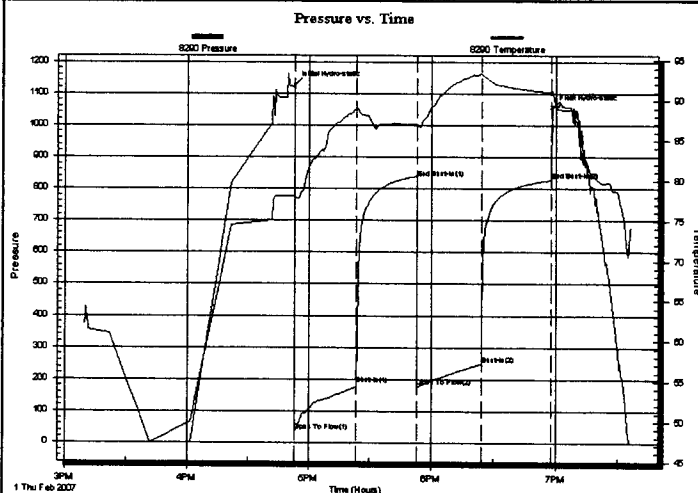
Time Off Btm: 2007.02.01 @ 18:58:06

TEST COMMENT: IF Strong blow BOB in 6 min.

ISI No blow

FF Strong blow BOB in 12 min.

FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1127.20	78.04	Initial Hydro-static
1	34.98	77.69	Open To Flow (1)
31	184.19	89.00	Shut-In(1)
61	832.81	86.96	End Shut-In(1)
61	177.43	86.77	Open To Flow (2)
92	249.01	93.32	Shut-In(2)
125	827.52	91.06	End Shut-In(2)
126	1052.49	91.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
448.00	GSY MCW 5%G 65%W 30%M	4.33
32.00	GSY WCM 10%G 20%W 70%M	0.45
0.00		0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Messenger Petroleum Inc

Bock-Kinsler #1

525 S Main
Kingman KS 67068

10 29 8W Kingman KS

Job Ticket: 27046

DST#: 1

ATTN: Jon Messenger

Test Start: 2007.02.01 @ 15:09:36

Tool Information

Drill Pipe:	Length: 2075.00 ft	Diameter: 3.80 inches	Volume: 29.11 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: 214.00 ft	Diameter: 2.25 inches	Volume: 1.05 bbl	Weight to Pull Loose:	51000.00 lb
		Total Volume:	30.16 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial	51000.00 lb
Depth to Top Packer:	2286.00 ft			Final	54000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	66.00 ft				
Tool Length:	86.00 ft				
Number of Packers:	1	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2267.00	
Shut In Tool	5.00			2272.00	
Hydraulic tool	5.00			2277.00	
Packer	4.00			2281.00	20.00 Bottom Of Top Packer
Packer	5.00			2286.00	
Stubb	1.00			2287.00	
Perforations	5.00			2292.00	
Recorder	0.00	8290	Inside	2292.00	
Change Over Sub	1.00			2293.00	
Blank Spacing	32.00			2325.00	
Change Over Sub	1.00			2326.00	
Perforations	21.00			2347.00	
Recorder	0.00	13789	Outside	2347.00	
Bullnose	5.00			2352.00	66.00 Bottom Packers & Anchor

Total Tool Length: 86.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Messenger Petroleum Inc

Bock-Kinsler #1

525 S Main
Kingman KS 67068

10 29 8W Kingman KS

Job Ticket: 27046

DST#: 1

ATTN: Jon Messenger

Test Start: 2007.02.01 @ 15:09:36

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

90000 ppm

Viscosity: 29.00 sec/qt

Cushion Volume:

bbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 84000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
448.00	GSY MCW 5%G 65%W 30%M	4.335
32.00	GSY WCM 10%G 20%W 70%M	0.449
0.00		0.000

Total Length: 480.00 ft

Total Volume: 4.784 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

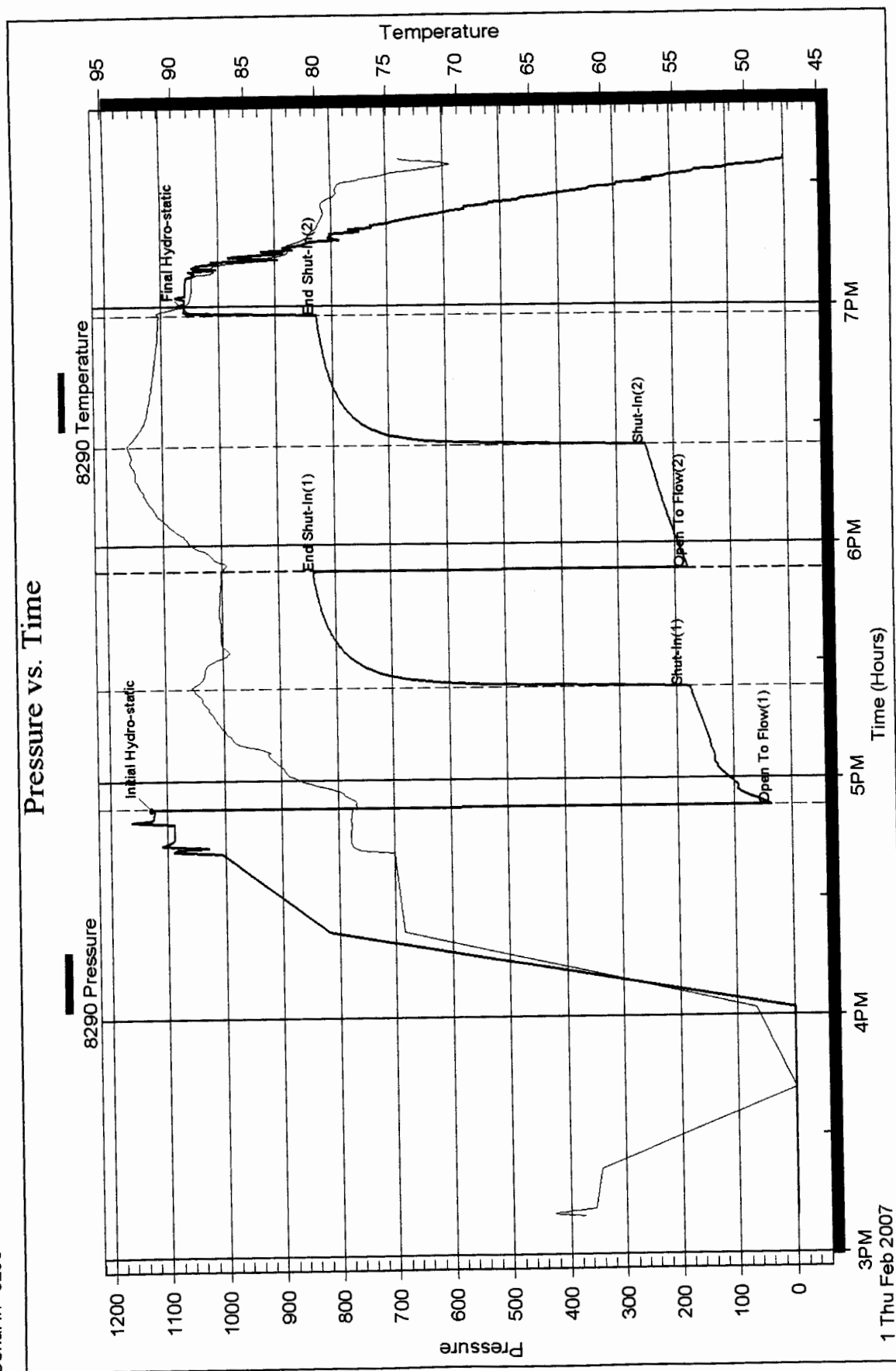
10 29 8W Kingman KS

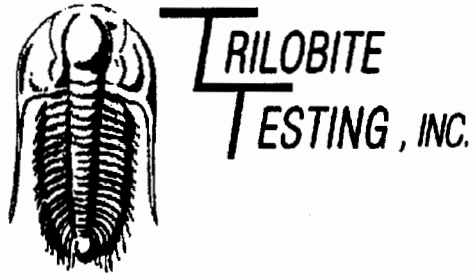
Messenger Petroleum Inc

Inside

Serial #: 8290

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Messenger Petroleum Inc**

525 S Main
Kingman KS 67068

ATTN: Jon Messenger

10 29 8W Kingman KS

Bock-Kinsler #1

Start Date: 2007.02.05 @ 16:11:32

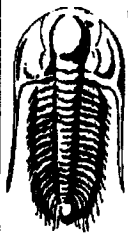
End Date: 2007.02.05 @ 23:43:32

Job Ticket #: 25841 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 Petroleum Inc

525 S Main
Kingman KS 67068

ATTN: Jon Messenger

Bock-Kinsler #1

10 29 8W Kingman KS

Job Ticket: 25841

DST#: 2

Test Start: 2007.02.05 @ 16:11:32

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:03:32

Time Test Ended: 23:43:32

Test Type: Conventional Bottom Hole

Tester: Jerry Adams

Unit No: 36

Interval: **4172.00 ft (KB) To 4184.00 ft (KB) (TVD)**

Total Depth: 4184.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1697.00 ft (KB)

1688.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 6798 Inside

Press@RunDepth: 128.71 psig @ 4173.00 ft (KB)

Start Date: 2007.02.05

End Date:

2007.02.05

Capacity: 7000.00 psig

Last Calib.: 2007.02.05

Start Time: 16:11:37

End Time:

23:43:31

Time On Btm: 2007.02.05 @ 18:02:02

Time Off Btm: 2007.02.05 @ 21:32:01

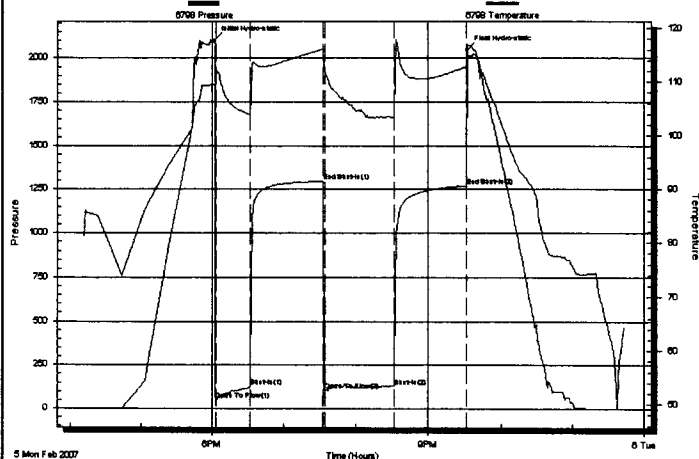
TEST COMMENT: IF Strong blow BOB in 10 secs. GTS in 5 mins (see gas flow report)

ISI Very weak surface blow

FF Strong blow BOB immediately

FSI Weak blow Built to 1/4 "

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2104.11	109.59	Initial Hydro-static
2	49.98	112.28	Open To Flow (1)
30	124.98	103.94	Shut-In (1)
91	1297.80	116.12	End Shut-In (1)
93	104.75	112.07	Open To Flow (2)
150	128.71	103.44	Shut-In (2)
210	1271.64	112.89	End Shut-In (2)
210	2048.74	114.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	SG&WCM 5%G 20%W 75%M	1.49
22.00	SGCM 10%G 90%M	0.31
0.00	3900' GIP	0.00
0.00	RW= .125 @ 42 deg. 125000 ppm	0.00
0.00		0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	20.00	232.73
Last Gas Rate			
Max. Gas Rate	0.50	42.00	381.13



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Messenger Petroleum Inc

Bock-Kinsler #1

525 S Main
Kingman KS 67068

10 29 8W Kingman KS

Job Ticket: 25841

DST#: 2

ATTN: Jon Messenger

Test Start: 2007.02.05 @ 16:11:32

Tool Information

Drill Pipe:	Length: 3953.00 ft	Diameter: 3.80 inches	Volume: 55.45 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: 80000.00 lb
		Total Volume: 56.52 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4172.00 ft			Final 71000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	31.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4158.00	
Hydraulic tool	5.00			4163.00	
Packer	4.00			4167.00	19.00 Bottom Of Top Packer
Packer	5.00			4172.00	
Stubb	1.00			4173.00	
Recorder	0.00	6798	Inside	4173.00	
Perforations	8.00			4181.00	
Recorder	0.00	13249	Outside	4181.00	
Bullnose	3.00			4184.00	12.00 Bottom Packers & Anchor
Total Tool Length:	31.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Messenger Petroleum Inc

Bock-Kinsler #1

525 S Main
Kingman KS 67068

10 29 8W Kingman KS

Job Ticket: 25841 **DST#: 2**

ATTN: Jon Messenger

Test Start: 2007.02.05 @ 16:11:32

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 9.98 in³

Resistivity: 0.00 ohm.m

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
248.00	SG&WCM 5%G 20%W 75%M	1.493
22.00	SGCM 10%G 90%M	0.309
0.00	3900' GIP	0.000
0.00	RW= .125 @ 42 deg. 125000 ppm	0.000
0.00		0.000

Total Length: 270.00 ft

Total Volume: 1.802 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #: JA-1

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Messenger Petroleum Inc

Bock-Kinsler #1

525 S Main
Kingman KS 67068

10 29 8W Kingman KS

Job Ticket: 25841

DST#: 2

ATTN: Jon Messenger

Test Start: 2007.02.05 @ 16:11:32

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 (m³/d)
1	10	0.50	20.00	232.73
1	20	0.50	36.00	340.66
1	30	0.50	42.00	381.13
2	10	0.75	24.00	601.36
2	20	0.75	24.00	601.36
2	30	0.75	18.00	507.65
2	40	0.75	16.00	476.41
2	50	0.75	16.00	476.41
2	60	0.75	16.00	476.41
0	-	-999999.00	-999999.00	-999999.00

DST Test Number: 2

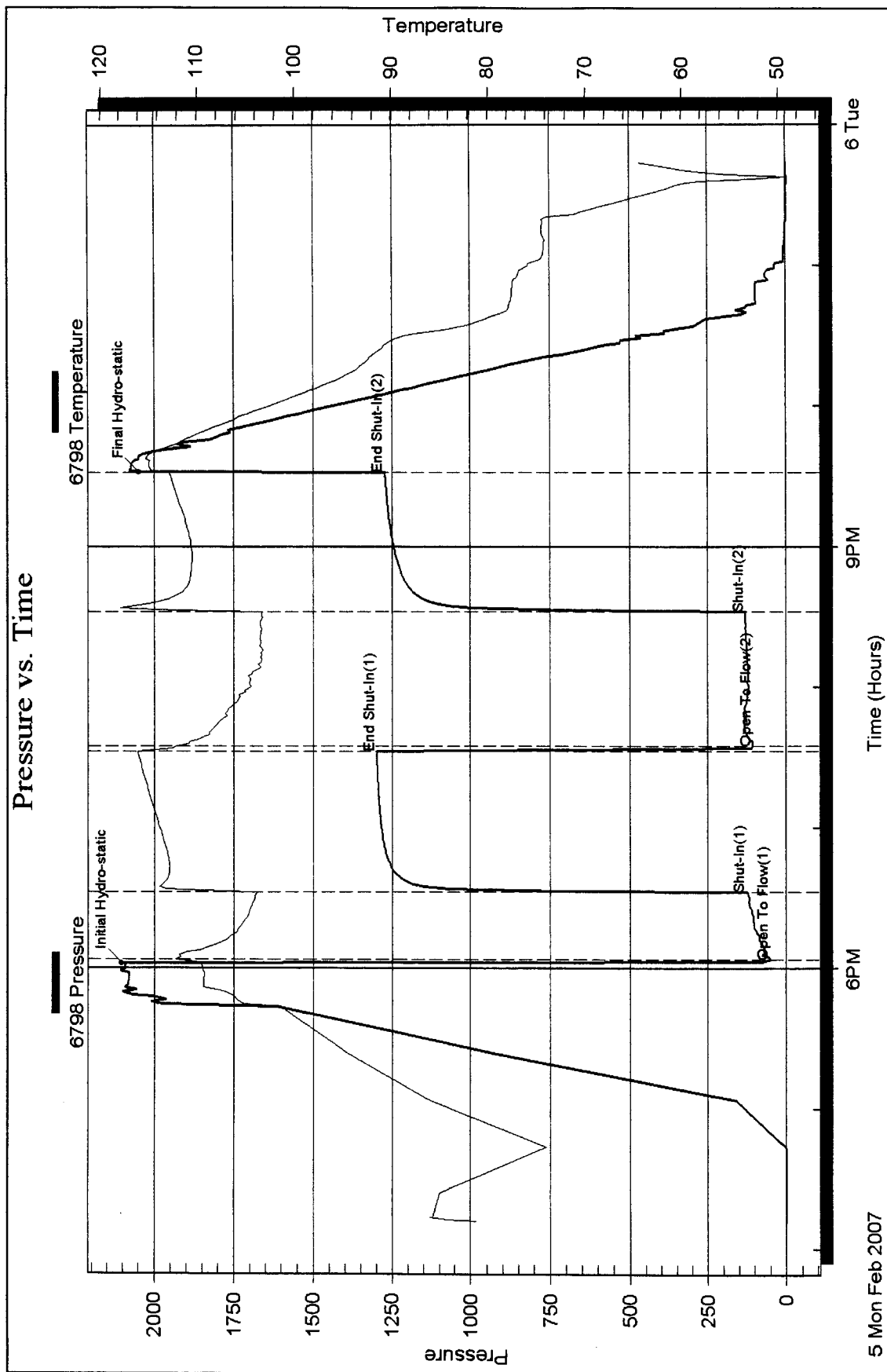
10 29 8W Kingman KS

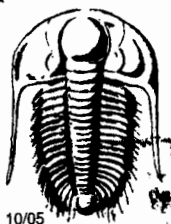
Messenger Petroleum Inc

Inside

Serial #: 6798

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

27046

Test Ticket

Well Name & No. Bock-Kindler #1 Test No. 1 Date 2-1-07
 Company Messenger Petroleum Inc. Zone Tested Indian Cove
 Address 525 S. Main Kingman KS 67068 Elevation 1697 KB 1688 GL
 Co. Rep / Geo. Jon Messenger Rig Sterling #4
 Location: Sec. 10 Twp. 29S Rge. 8W Co. Kingman State KS
 Comment: _____ Release date / time: _____

Interval Tested 2286-2352 Initial Str Wt./Lbs. 51000 Unseated Str Wt./Lbs. 54000
 Anchor Length 66' Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 51000
 Top Packer Depth 2281 Tool Weight 2100
 Bottom Packer Depth 2286 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 2352 Wt. Pipe Run — Drill Collar Run 274
 Mud Wt. 9.6 LCM — Vis. 29 WL — Drill Pipe Size 4 1/2" Ft. Run 2075
 Blow Description IF: Strong flow, BOB in 6 min.
ISF: No blow.
FF: Strong flow, BOB in 12 min.
FSF: No blow.

Recovery - Total Feet 480 GIP 320 Ft. in DC 224 Ft. in DP 156
 Rec. 448 Feet of GSK MCW 5 %gas %oil 65 %water 30 %mud
 Rec. 32 Feet of GSK WCM 10 %gas %oil 20 %water 70 %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 BHT 91 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW 121 @ 29 °F Chlorides _____ ppm Recovery 90000 Chlorides 84000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1121</u> PSI	<u>8290</u>	<u>✓</u> <u>1100</u>
(B) First Initial Flow Pressure		<u>35</u> PSI	<u>2292</u>	Jars
(C) First Final Flow Pressure		<u>184</u> PSI	<u>13789</u>	Safety Jt.
(D) Initial Shut-In Pressure		<u>833</u> PSI	<u>2347</u>	Circ Sub
(E) Second Initial Flow Pressure		<u>177</u> PSI	—	Sampler
(F) Second Final Flow Pressure		<u>249</u> PSI	—	Straddle
(G) Final Shut-In Pressure		<u>828</u> PSI	Initial Opening <u>30</u>	Ext. Packer
(Q) Final Hydrostatic Mud		<u>1062</u> PSI	Initial Shut-In <u>30</u>	Shale Packer

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Approved By Jon Messenger

Our Representative Jack H. Stover

T-On Location

T-Started

T-Open

T-Pulled

T-Out

Sub Total:

Std. By

Acc. Chg:

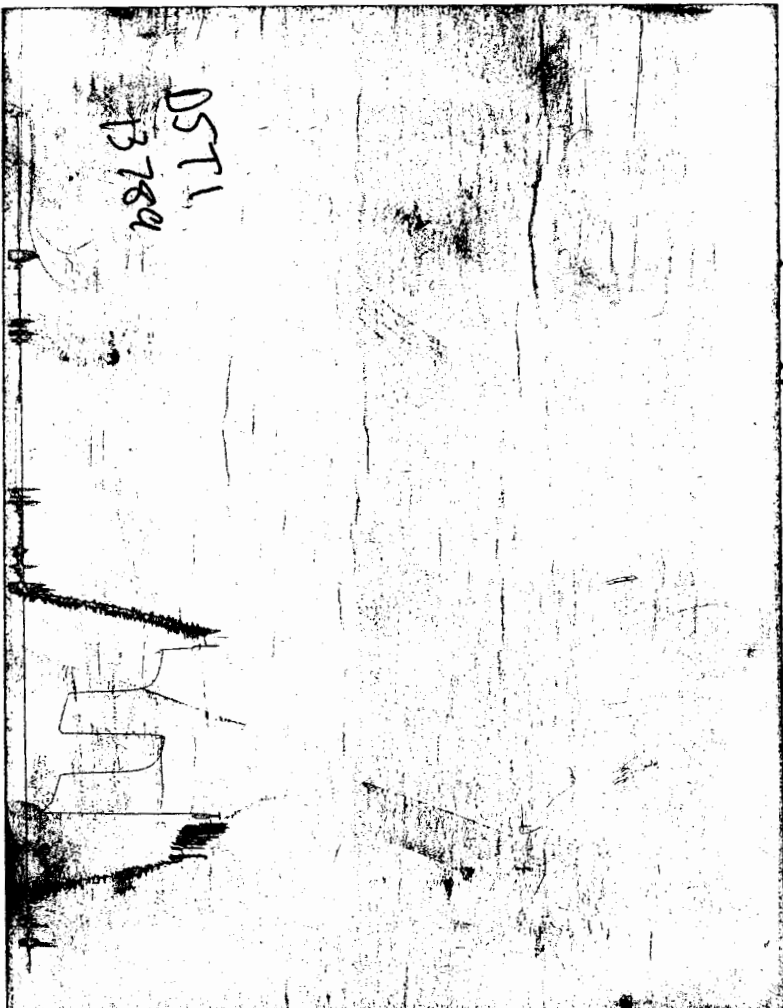
Other:

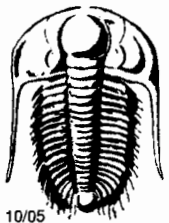
Total:

Mileage ✓ 80 RT
 Ruined Packer 100
 Total: \$1200

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25841

9823

Test Ticket

Well Name & No. <u>Bock-Kinsler #1</u>	Test No. <u>2</u>	Date <u>2-5-07</u>
Company <u>Messenger Petroleum Inc.</u>	Zone Tested <u>Mississippi</u>	
Address <u>525 S. Main Kingman, Ks. 67068</u>	Elevation <u>1697</u> KB <u>1688</u>	GL
Co. Rep / Geo. <u>Jon Messenger</u>	Rig <u>Sterling #4</u>	
Location: Sec. <u>10</u> Twp. <u>29S</u> Rge. <u>8W</u>	Co. <u>Kingman</u>	State <u>Ks.</u>
Comment: _____	Release date / time: _____	

Interval Tested 4172-4184 Initial Str Wt./Lbs. 70,000 Unseated Str Wt./Lbs. 71,000
 Anchor Length 12 Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 80,000
 Top Packer Depth 4167 Tool Weight 2,100
 Bottom Packer Depth 4172 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 4184 Wt. Pipe Run 0 Drill Collar Run 218
 Mud Wt. 9.0 LCM 0 Vis. 52 WL 10.0 Drill Pipe Size 4 1/8" XH Ft. Run 3952
 Blow Description IF: Strong blow. B.O.B. in 10 secs. GTS in 5 mins. (see gas flow report.)
IST: Weak surface blow.
FF: Strong blow. B.O.B. immediately.
FSI: Weak blow. Built to 1/4.

Recovery - Total Feet 270 GIP 3900 Ft. in DC 218 Ft. in DP 52
 Rec. 22 Feet of SGCM 10% gas %oil %water 90 %mud
 Rec. 248 Feet of SG + WCM 5% gas %oil 20 %water 75 %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 WLC °API D @ _____ °F Corrected Gravity _____ °API
 RW 125 @ 42 °F Chlorides 125,000 ppm Recovery _____ Chlorides 5,000 ppm System

AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>2161</u> PSI	Recorder No. <u>6798</u>	Test <u>✓</u> <u>1200</u>
(B) First Initial Flow Pressure	<u>50</u> PSI	(depth) <u>4173</u>	Jars _____
(C) First Final Flow Pressure	<u>125</u> PSI	Recorder No. <u>13249</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>1298</u> PSI	(depth) <u>4181</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>105</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>129</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>1272</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>2079</u> PSI	Initial Shut-In <u>60</u>	Shale Packer _____
		Final Flow <u>60</u>	Ruined Packer <u>160</u>
		Final Shut-In <u>60</u>	Mileage <u>✓</u> <u>80</u> 80
		T-On Location <u>1445</u>	Sub Total: _____
		T-Started <u>1611</u>	Std. By _____
		T-Open <u>1803</u>	Acc. Chg: _____
		T-Pulled <u>2134</u>	Other: <u>1300</u>
		T-Out <u>2343</u>	Total: _____

Approved By [Signature]
 Our Representative Gerry Adams

Thank You.



GAS VOLUME REPORT

WELL NAME AND NO

2
DST NO

[illegible]

Remarks:

CHART PAGE

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

Messinger Petroleum Inc. Tick # 25841
Rock-Kinsler #1
DST # 2 Miss.
13249

