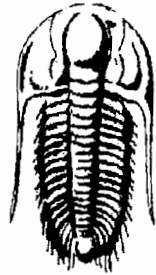


15-095-22072-0000

8-29s-8w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Messenger Petroleum Inc**

525 S Main
Kingman KS 67068

ATTN: Jon Messenger

8 29S 8W Kingman KS

Ziegler #2

Start Date: 2007.01.12 @ 12:49:14

End Date: 2007.01.12 @ 21:25:44

Job Ticket #: 27041 DST #: 1

15-095-22072

C SW
1320 FSL 1320 FWL

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

Ziegler #2

8 29S 8W Kingman KS

Job Ticket: 27041

DST#: 1

Test Start: 2007.01.12 @ 12:49:14

GENERAL INFORMATION:

Formation: **Hertha**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:17:14

Time Test Ended: 21:25:44

Test Type: Conventional Bottom Hole

Tester: Zach Stover

Unit No: 23

Interval: **3933.00 ft (KB) To 3945.00 ft (KB) (TVD)**

Total Depth: 3945.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1699.00 ft (KB)

1690.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8290

Inside

Press@RunDepth: 229.76 psig @ 3938.00 ft (KB)

Start Date: 2007.01.12

End Date: 2007.01.12

Start Time: 12:49:19

End Time: 21:25:44

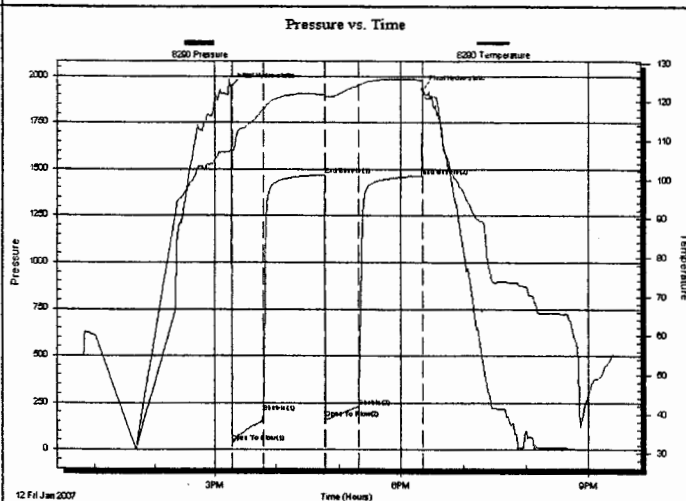
Capacity: 7000.00 psig

Last Calib.: 2007.01.12

Time On Btm: 2007.01.12 @ 15:16:14

Time Off Btm: 2007.01.12 @ 18:20:43

TEST COMMENT: IF Strong blow BOB in 2 min.
ISI Weak 4 in. blow
FF Strong blow BOB in 5 min.
FSI Fair blow BOB in 15 min.



PRESSURE SUMMARY

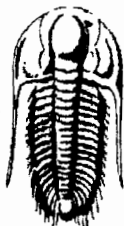
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1940.33	107.66	Initial Hydro-static
1	36.33	107.59	Open To Flow (1)
32	194.79	117.97	Shut-In(1)
91	1471.29	121.80	End Shut-In(1)
91	164.24	121.38	Open To Flow (2)
123	229.76	124.09	Shut-In(2)
185	1465.12	125.47	End Shut-In(2)
185	1929.69	125.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
305.00	GSY MCW 5%G 90%W 5%M	2.30
65.00	GSY M&OCW 5%G 5%O 85%W 5%M	0.91
70.00	GSY M&WCO 35%G 30%O 20%W 15%I 0.98	

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Messenger Petroleum Inc

Ziegler #2

525 S Main
Kingman KS 67068

8 29S 8W Kingman KS

Job Ticket: 27041

DST#: 1

ATTN: Jon Messenger

Test Start: 2007.01.12 @ 12:49:14

Tool Information

Drill Pipe:	Length: 3717.00 ft	Diameter: 3.80 inches	Volume: 52.14 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: 217.00 ft	Diameter: 2.25 inches	Volume: 1.07 bbl	Weight to Pull Loose:	68000.00 lb
		Total Volume:	53.21 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	3933.00 ft			Final	63000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	12.00 ft				
Tool Length:	32.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3914.00	
Shut In Tool	5.00			3919.00	
Hydraulic tool	5.00			3924.00	
Packer	4.00			3928.00	20.00 Bottom Of Top Packer
Packer	5.00			3933.00	
Stubb	1.00			3934.00	
Perforations	4.00			3938.00	
Recorder	0.00	8290	Inside	3938.00	
Perforations	2.00			3940.00	
Recorder	0.00	13789	Outside	3940.00	
Bullnose	5.00			3945.00	12.00 Bottom Packers & Anchor

Total Tool Length: 32.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Messenger Petroleum Inc

Ziegler #2

525 S Main
Kingman KS 67068

8 29S 8W Kingman KS

Job Ticket: 27041

DST#: 1

ATTN: Jon Messenger

Test Start: 2007.01.12 @ 12:49:14

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:

58000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6500.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
305.00	GSY MCW 5%G 90%W 5%M	2.302
65.00	GSY M&OCW 5%G 5%O 85%W 5%M	0.912
70.00	GSY M&WCO 35%G 30%O 20%W 15%M	0.982

Total Length: 440.00 ft

Total Volume: 4.196 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

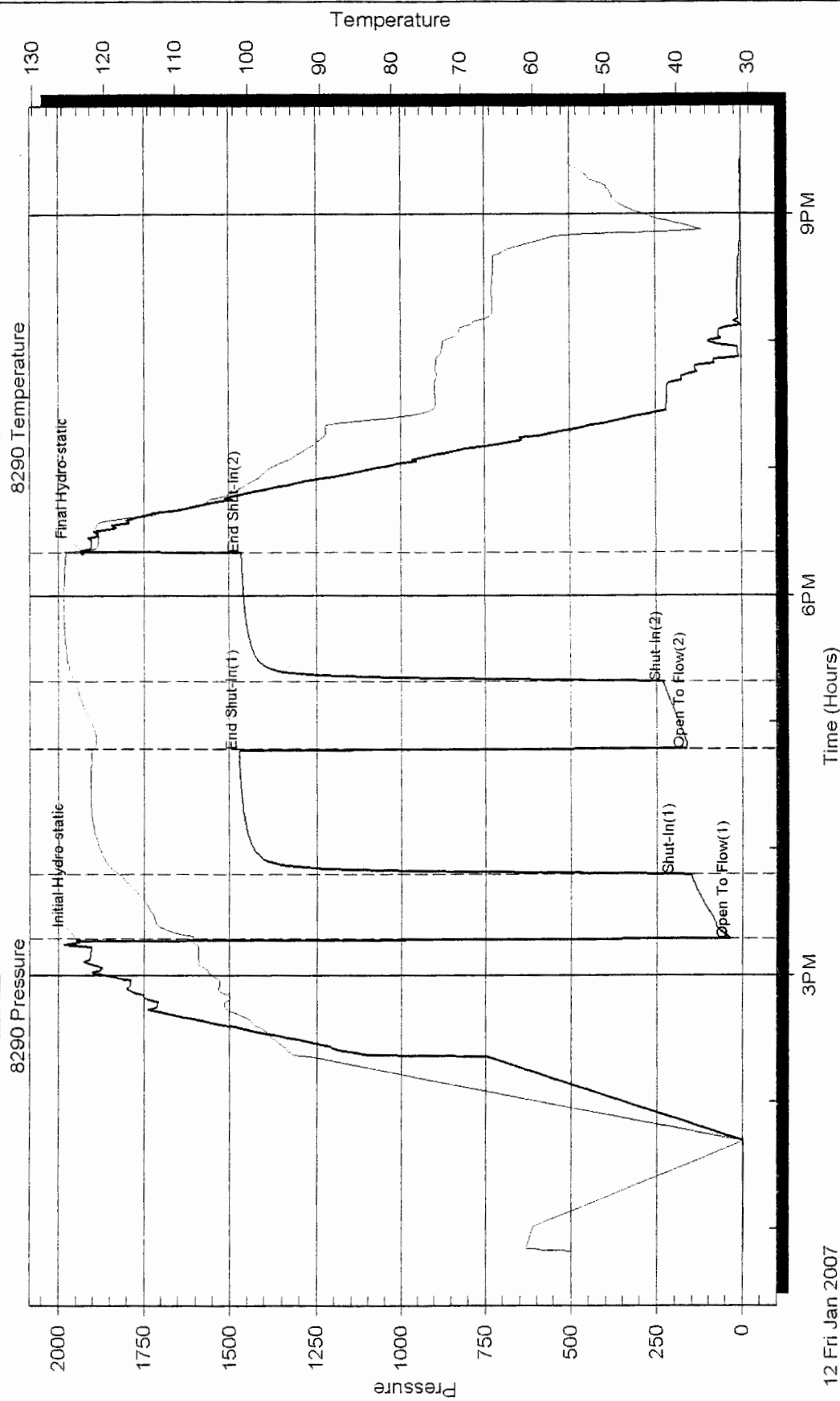
Serial #:

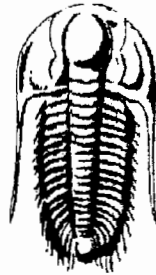
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Messenger Petroleum Inc**

525 S Main
Kingman KS 67068

ATTN: Jon Messenger

8 29S 8W Kingman KS

Ziegler #2

Start Date: 2007.01.12 @ 21:45:26

End Date: 2007.01.13 @ 08:08:41

Job Ticket #: 27042 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Messenger Petroleum Inc

Ziegler #2

8 29S 8W Kingman KS

DST # 2

Swope

2007.01.12



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Messenger Petroleum Inc

525 S Main
Kingman KS 67068

ATTN: Jon Messenger

Ziegler #2

8 29S 8W Kingman KS

Job Ticket: 27042

DST#: 2

Test Start: 2007.01.12 @ 21:45:26

GENERAL INFORMATION:

Formation: **Swope**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:00:26

Time Test Ended: 08:08:41

Test Type: Conventional Straddle

Tester: Zach Stover

Unit No: 23

Interval: **3887.00 ft (KB) To 3909.00 ft (KB) (TVD)**

Total Depth: 3945.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1699.00 ft (KB)

1690.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8290 Inside

Press@RunDepth: 70.31 psig @ 3888.00 ft (KB)

Start Date: 2007.01.12

End Date: 2007.01.13

Capacity: 7000.00 psig

Last Calib.: 2007.01.13

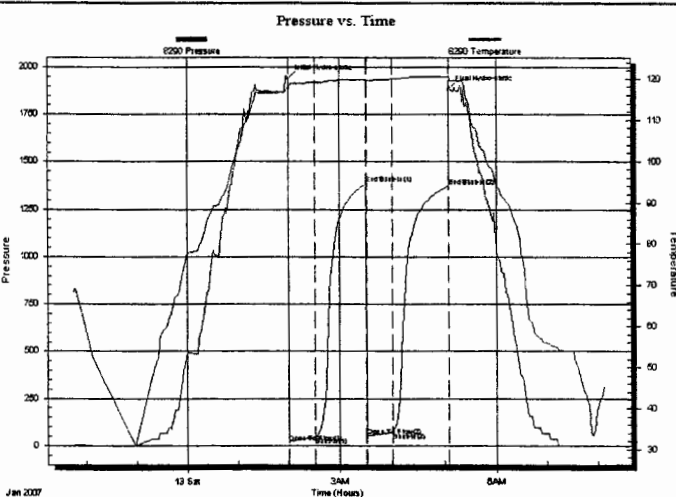
Start Time: 21:45:31

End Time: 08:08:41

Time On Btm: 2007.01.13 @ 02:00:11

Time Off Btm: 2007.01.13 @ 05:05:25

TEST COMMENT: IF Weak blow Built to 4 in.
ISI No blow
FF Weak blow Built to 3 in.
FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1938.85	117.72	Initial Hydro-static
1	16.03	116.61	Open To Flow (1)
32	45.96	119.03	Shut-In(1)
91	1385.46	119.82	End Shut-In(1)
92	51.27	119.40	Open To Flow (2)
122	70.31	119.87	Shut-In(2)
185	1371.95	120.47	End Shut-In(2)
186	1881.46	120.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	Drig Mud	0.61

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Messenger Petroleum Inc

Ziegler #2

525 S Main
Kingman KS 67068

8 29S 8W Kingman KS

Job Ticket: 27042

DST#: 2

ATTN: Jon Messenger

Test Start: 2007.01.12 @ 21:45:26

Tool Information

Drill Pipe:	Length: 3665.00 ft	Diameter: 3.80 inches	Volume: 51.41 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: 217.00 ft	Diameter: 2.25 inches	Volume: 1.07 bbl	Weight to Pull Loose: 65000.00 lb
		Total Volume: 52.48 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3887.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	3909.00 ft			
Interval between Packers:	22.00 ft			
Tool Length:	79.00 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			3868.00	
Shut In Tool	5.00			3873.00	
Hydraulic tool	5.00			3878.00	
Packer	4.00			3882.00	20.00 Bottom Of Top Packer
Packer	5.00			3887.00	
Stubb	1.00			3888.00	
Recorder	0.00	8290	Inside	3888.00	
Perforations	17.00			3905.00	
Recorder	0.00	13289	Outside	3905.00	
Blank Off Sub	1.00			3906.00	
Blank Spacing	3.00			3909.00	22.00 Tool Interval
Packer	0.00			3909.00	
Stubb	1.00			3910.00	
Perforations	1.00			3911.00	
Change Over Sub	1.00			3912.00	
Blank Spacing	31.00			3943.00	
Change Over Sub	1.00			3944.00	
Recorder	0.00	13789	Outside	3944.00	
Bullnose	2.00			3946.00	37.00 Bottom Packers & Anchor
Total Tool Length:		79.00			



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Messenger Petroleum Inc

525 S Main
Kingman KS 67068

ATTN: Jon Messenger

Ziegler #2

8 29S 8W Kingman KS

Job Ticket: 27042

DST#: 2

Test Start: 2007.01.12 @ 21:45:26

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 47.00 sec/qt

Water Loss: 9.59 in³

Resistivity: ohm.m

Salinity: 6500.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity:

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	Drig Mud	0.610

Total Length: 124.00 ft Total Volume: 0.610 bbl

Num Fluid Samples: 0

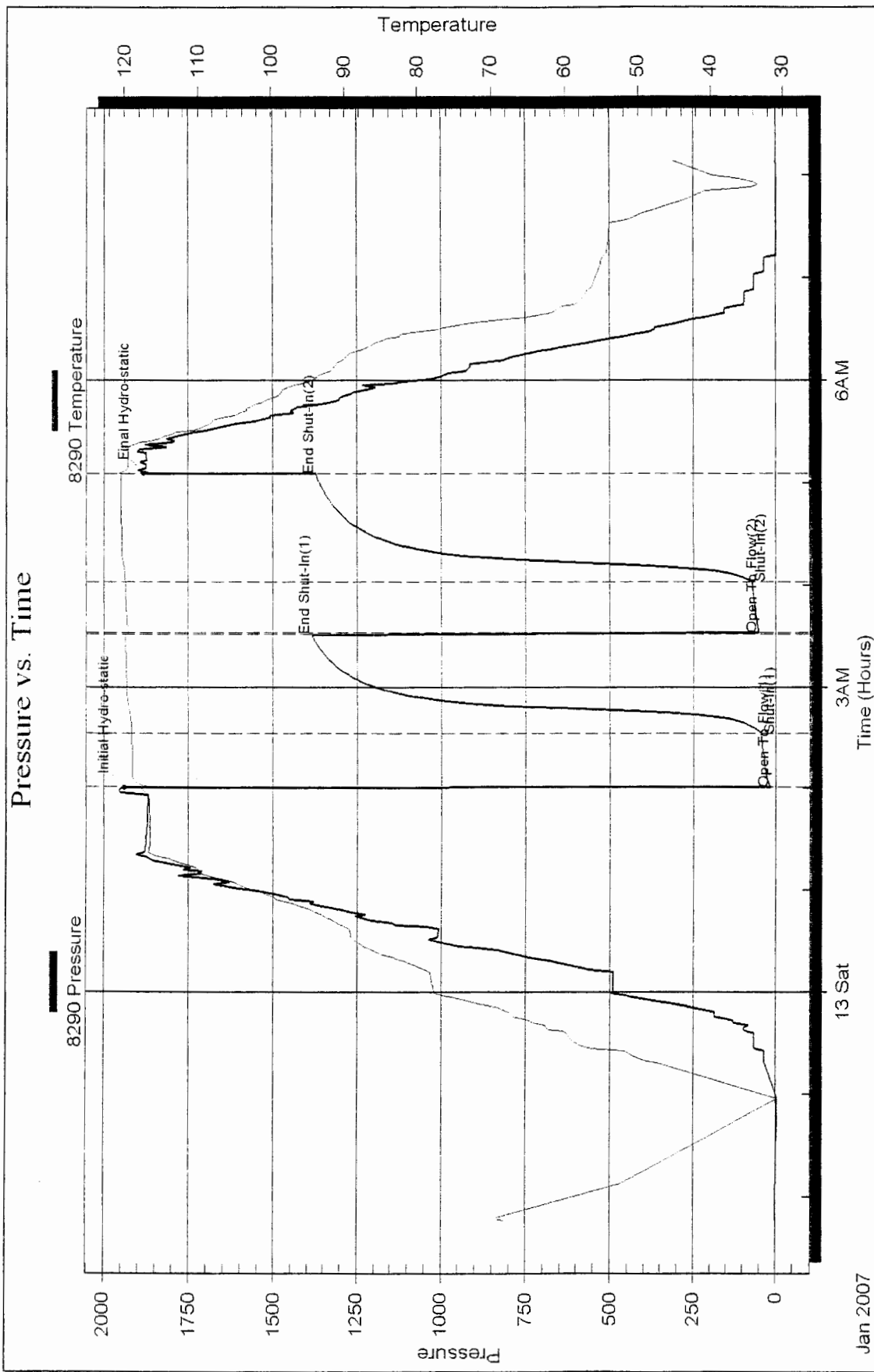
Num Gas Bombs: 0

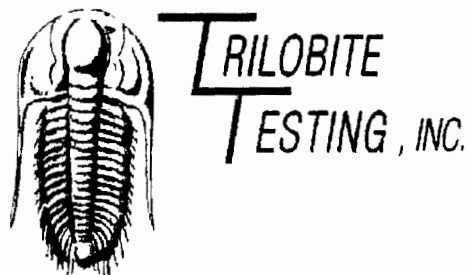
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Messenger Petroleum Inc**

525 S Main
Kingman KS 67068

ATTN: Jon Messenger

8 29S 8W Kingman KS

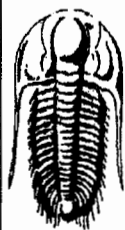
Ziegler #2

Start Date: 2007.01.14 @ 20:07:47

End Date: 2007.01.15 @ 07:48:47

Job Ticket #: 27043 DST #: 3

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

Ziegler #2

8 29S 8W Kingman KS

Job Ticket: 27043

DST#: 3

Test Start: 2007.01.14 @ 20:07:47

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:33:32

Time Test Ended: 07:48:47

Test Type: Conventional Bottom Hole

Tester: Zach Stover

Unit No: 23

Interval: **4222.00 ft (KB) To 4228.00 ft (KB) (TVD)**

Total Depth: 4228.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1699.00 ft (KB)

1690.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8290 Inside

Press@RunDepth: 75.87 psig @ 4223.00 ft (KB)

Start Date: 2007.01.14

End Date: 2007.01.15

Start Time: 20:07:52

End Time: 07:48:47

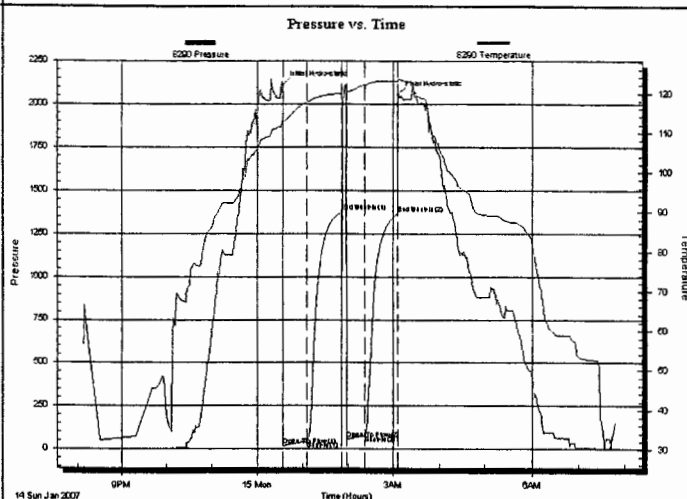
Capacity: 7000.00 psig

Last Calib.: 2007.01.15

Time On Btm: 2007.01.15 @ 00:33:16

Time Off Btm: 2007.01.15 @ 03:06:16

TEST COMMENT: IF Weak blow Built to 5 in.
ISI Weak 1/4 in blow
FF Weak blow Built to 3 in. Flushed tool at open
FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2111.69	113.21	Initial Hydro-static
1	16.06	112.46	Open To Flow (1)
32	43.68	117.74	Shut-In(1)
77	1374.80	120.01	End Shut-In(1)
85	58.00	120.44	Open To Flow (2)
108	75.87	122.08	Shut-In(2)
153	1367.57	123.17	End Shut-In(2)
153	2055.47	123.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	MCW 20%M 80%W	0.61

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Messenger Petroleum Inc

Ziegler #2

525 S Main
Kingman KS 67068

8 29S 8W Kingman KS

Job Ticket: 27043

DST#: 3

ATTN: Jon Messenger

Test Start: 2007.01.14 @ 20:07:47

Tool Information

Drill Pipe: Length: 3998.00 ft Diameter: 3.80 inches Volume: 56.08 bbl
Heavy Wt. Pipe: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl
Drill Collar: Length: 217.00 ft Diameter: 2.25 inches Volume: 1.07 bbl
Total Volume: 57.15 bbl
Drill Pipe Above KB: 13.00 ft
Depth to Top Packer: 4222.00 ft
Depth to Bottom Packer: ft
Interval between Packers: 6.00 ft
Tool Length: 26.00 ft
Number of Packers: 2 Diameter: 6.75 inches

Tool Weight: 2100.00 lb
Weight set on Packer: 20000.00 lb
Weight to Pull Loose: 68000.00 lb
Tool Chased 0.00 ft
String Weight: Initial 64000.00 lb
Final 64000.00 lb

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Change Over Sub	1.00			4203.00	
Shut In Tool	5.00			4208.00	
Hydraulic tool	5.00			4213.00	
Packer	4.00			4217.00	20.00 Bottom Of Top Packer
Packer	5.00			4222.00	
Stubb	1.00			4223.00	
Recorder	0.00	8290	Inside	4223.00	
Recorder	0.00	13789	Outside	4223.00	
Bullnose	5.00			4228.00	6.00 Bottom Packers & Anchor
Total Tool Length:	26.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Messenger Petroleum Inc

Ziegler #2

525 S Main
Kingman KS 67068

8 29S 8W Kingman KS

Job Ticket: 27043

DST#: 3

ATTN: Jon Messenger

Test Start: 2007.01.14 @ 20:07:47

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:

100000 ppm

Viscosity: 42.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	MCW 20%M 80%W	0.610

Total Length: 124.00 ft

Total Volume: 0.610 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

