

**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mid-Continent Resources

PO Box 399
Garden City Ks. 67846+0399

ATTN: Harley Sayles

Danny King #1-18

18-21-24 Hodgeman

Job Ticket: 041531

DST#: 1

Test Start: 2010.12.31 @ 20:35:05

GENERAL INFORMATION:

Formation: **Mississippi**

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

Time Tool Opened: 23:22:50

Time Test Ended: 05:06:50

Test Type: **Conventional Bottom Hole**

Tester: **Andy Carreira**

Unit No: **31**

Interval: **4460.00 ft (KB) To 4474.00 ft (KB) (TVD)**

Total Depth: **4474.00 ft (KB) (TVD)**

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

Reference Elevations: **2327.00 ft (KB)**

2316.00 ft (CF)

KB to GR/CF: **11.00 ft**

Serial #: 8352 **Outside**

Press@RunDepth: **65.47 psig @ 4461.00 ft (KB)**

Start Date: **2010.12.31**

End Date:

2011.01.01

Start Time: **20:35:05**

End Time:

05:06:50

Capacity: **8000.00 psig**

Last Calib.: **2011.01.01**

Time On Btm: **2010.12.31 @ 23:22:20**

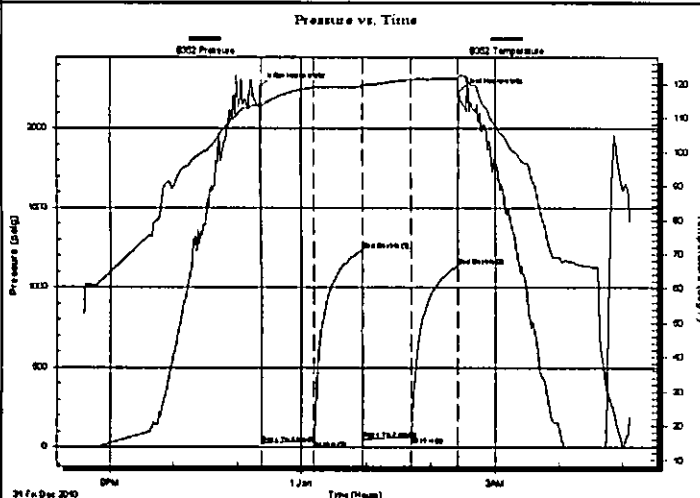
Time Off Btm: **2011.01.01 @ 02:26:09**

TEST COMMENT: IF: Weak, Steady 1 inch

IS: No Return

FF: Weak, half inch

FS: No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2262.62	113.85	Initial Hydro-static
1	22.09	113.09	Open To Flow (1)
49	45.20	119.17	Shut-In(1)
94	1232.72	119.29	End Shut-In(1)
95	47.42	118.87	Open To Flow (2)
140	65.47	121.35	Shut-In(2)
183	1135.35	121.65	End Shut-In(2)
184	2233.35	122.31	Final Hydro-static

KCC
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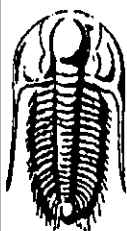
Recovery

Length (ft)	Description	Volume (bbl)
60.00	WM w =20% m=80%	0.30
39.00	MW m=30% w =70%	0.19
1.00	Oil o=100%	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcft/d)
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DRILL STEM TEST REPORT

FLUID SUMMARY

Mid-Continent Resources

Danny King #1-18

PO Box 399
Garden City Ks. 67846+0399

18-21-24 Hodgeman

Job Ticket: 041531 **DST#: 1**

ATTN: Harley Sayles

Test Start: 2010.12.31 @ 20:35:05

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:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.20 in*

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	WM w=20% m=80%	0.295
39.00	MW m=30% w=70%	0.192
1.00	Oil o=100%	0.005

Total Length: 100.00 ft

Total Volume: 0.492 bbl

Num Fluid Samples: 0

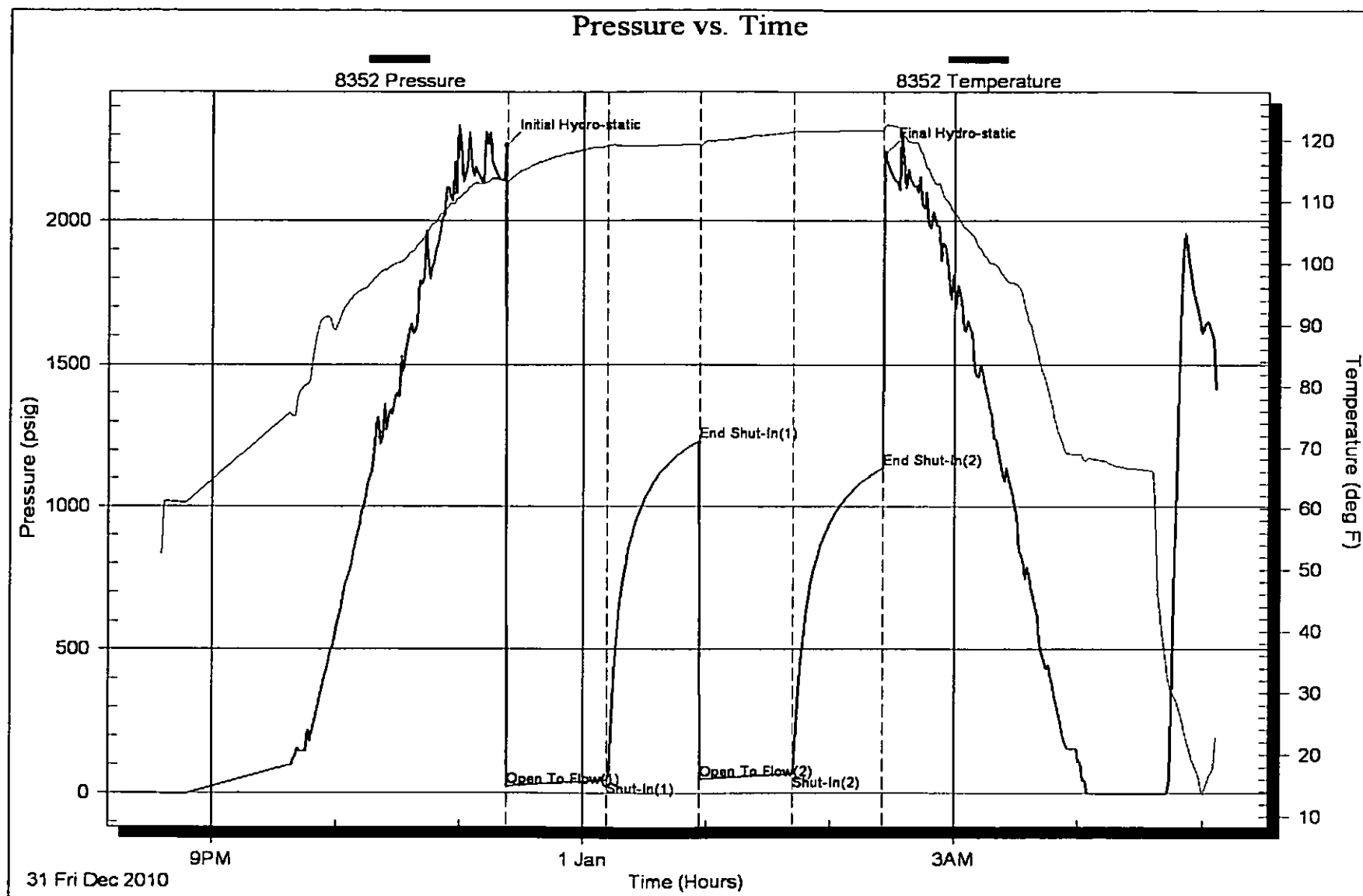
Num Gas Bombs: 0

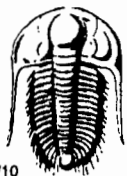
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 04153115240

Well Name & No. DANNY KING #1-18 Test No. 1 Date 12-31-10
 Company MID CONTINENT RESOURCES Elevation 2327 KB 2316 GL
 Address PO Box 399 GARDEN CITY KS. 67846+0399
 Co. Rep / Geo. Harley Sayles Rig Duke #5
 Location: Sec. 18 Twp. 21 Rge. 24 Co. Nodgeman State Ks

Interval Tested 4460-4474 Zone Tested Mississippi
 Anchor Length 14' Drill Pipe Run 4156 Mud Wt. 9.4
 Top Packer Depth 4455 Drill Collars Run 305.11 Vis 50
 Bottom Packer Depth 4460 Wt. Pipe Run 0 WL 9.2
 Total Depth 4474 Chlorides 4000 ppm System LCM TR

Blow Description IF: Weak, steady 1 inch

IS: No Return

FF: Weak, 1/2 inch

FS: No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>Oil</u>		<u>100%</u>		
<u>39</u>	<u>MW</u>			<u>70%</u>	<u>30%</u>
<u>60</u>	<u>WWM</u>			<u>20%</u>	<u>80%</u>

Rec Total 100' BHT 121 Gravity API RW @ °F Chlorides ppm

(A) Initial Hydrostatic 2262
 (B) First Initial Flow 22
 (C) First Final Flow 45
 (D) Initial Shut-In 1232
 (E) Second Initial Flow 47
 (F) Second Final Flow 65
 (G) Final Shut-In 1135
 (H) Final Hydrostatic 2233

☒ Test 1225'
☒ Jars 250
☒ Safety Joint 75'
☐ Circ Sub
☐ Hourly Standby 1 hr 100'
☒ Mileage 180 RT 225
☐ Sampler
☐ Straddle
☐ Shale Packer
☐ Extra Packer
☐ Extra Recorder
☐ Day Standby
☐ Accessibility
 Sub Total 1875'

T-On Location 1752
 T-Started 2035
 T-Open 2325
 T-Pulled 0235
 T-Out 0507
 Comments
☐ Ruined Shale Packer
☐ Ruined Packer
☐ Extra Copies
 Sub Total 8
 Total 1875'
 MP/DST Disc't

Initial Open 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45

Approved By Harley Sayles

Our Representative

Andy Con

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