

**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **John Roy Evans Oil Company LLC**

PO Box 385  
Clafin KS 67525

ATTN: Gary Klmer

**32-17s-12w Barton,KS**

**Bieberle #8**

Start Date: 2010.10.29 @ 12:40:27

End Date: 2010.10.29 @ 18:19:27

Job Ticket #: 040160      DST #: 1

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

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**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

John Roy Evans Oil Company LLC

**Bieberle #8**

PO Box 385  
Claffin KS 67525

**32-17s-12w Barton,KS**

Job Ticket: 040160

DST#: 1

ATTN: Gary Kirmer

Test Start: 2010.10.29 @ 12:40:27

### Tool Information

Drill Pipe:	Length: 3076.00 ft	Diameter: 3.80 inches	Volume: 43.15 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 42000.00 lb
			<u>Total Volume: 43.15 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3086.00 ft			Final 37000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	88.00 ft			
Tool Length:	108.00 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			3067.00	
Shut In Tool	5.00			3072.00	
Hydraulic tool	5.00			3077.00	
Packer	4.00			3081.00	20.00 Bottom Of Top Packer
Packer	5.00			3086.00	
Stubb	1.00			3087.00	
Perforations	4.00			3091.00	
Change Over Sub	1.00			3092.00	
Drill Pipe	63.00			3155.00	
Change Over Sub	1.00			3156.00	
Recorder	0.00	6672	Inside	3156.00	
Recorder	0.00	8679	Outside	3156.00	
Perforations	15.00			3171.00	
Bullnose	3.00			3174.00	88.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>108.00</b>				



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FLUID SUMMARY

John Roy Evans Oil Company LLC

**Bieberle #8**

PO Box 385  
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**32-17s-12w Barton,KS**

Job Ticket: 040160

DST#: 1

ATTN: Gary Klrmer

Test Start: 2010.10.29 @ 12:40:27

## 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: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.77 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
157.00	MUD	2.202

Total Length: 157.00 ft

Total Volume: 2.202 bbl

Num Fluid Samples: 0

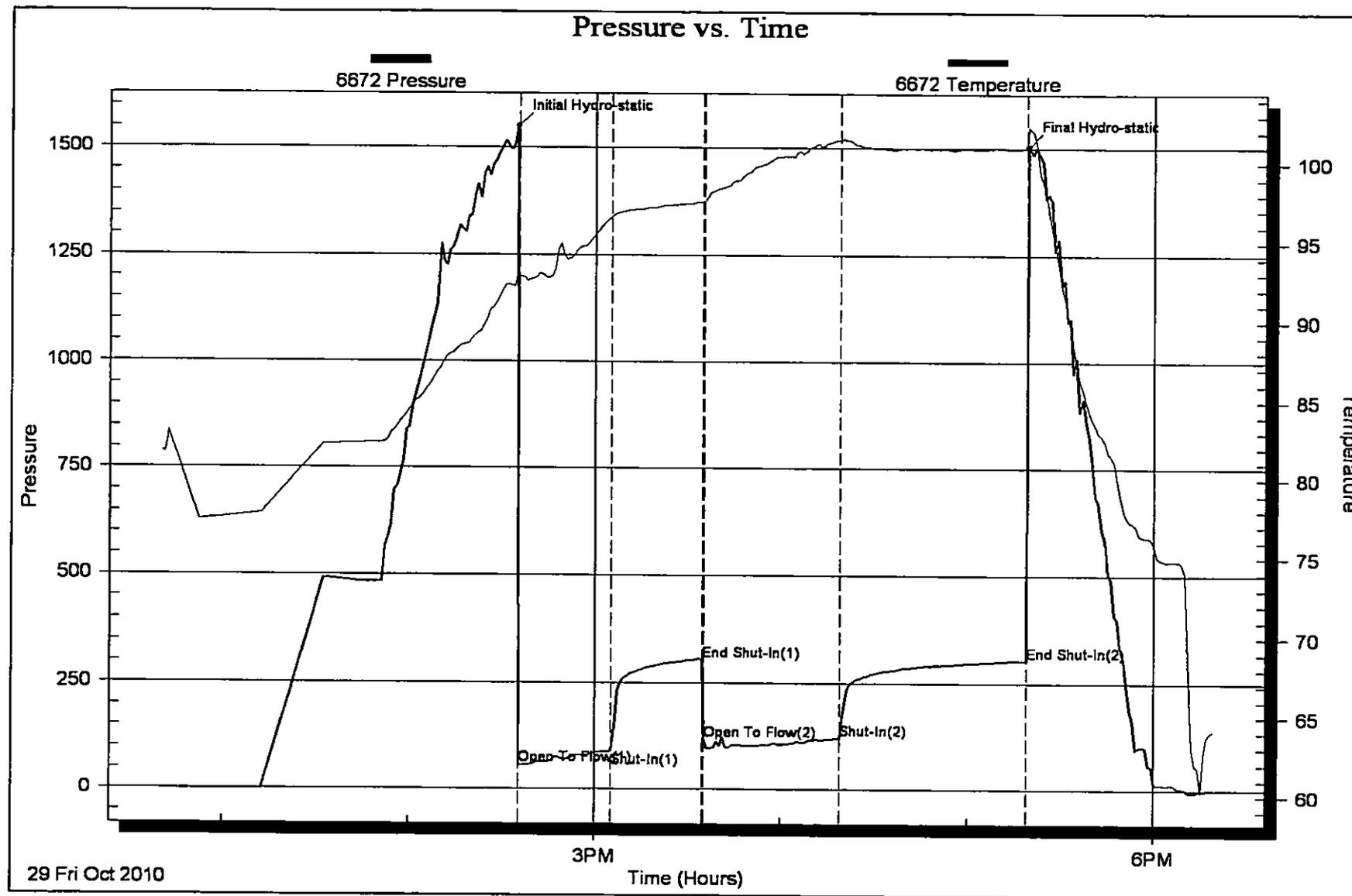
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





## DRILL STEM TEST REPORT

Prepared For: **John Roy Evans Oil Company LLC**

PO Box 385  
Clafin KS 67525

ATTN: Gary Klmer

**32-17s-12w Barton,KS**

**Bieberle #8**

Start Date: 2010.10.30 @ 08:09:42

End Date: 2010.10.30 @ 13:25:42

Job Ticket #: 040161                      DST #: 2

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## DRILL STEM TEST REPORT

John Roy Evans Oil Company LLC

**Bieberle #8**

PO Box 385  
Claflin KS 67525

**32-17s-12w Barton, KS**

Job Ticket: 040161      DST#: 2

ATTN: Gary Klrmer

Test Start: 2010.10.30 @ 08:09:42

### GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: **No Whipstock**      ft (KB)  
 Time Tool Opened: 09:39:42  
 Time Test Ended: 13:25:42

Test Type: **Conventional Bottom Hole**  
 Tester: **Jeff Brown**  
 Unit No: **44**

Interval: **3329.00 ft (KB) To 3359.00 ft (KB) (TVD)**  
 Total Depth: **3359.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **1826.00 ft (KB)**  
**1819.00 ft (CF)**  
 KB to GR/CF: **7.00 ft**

**Serial #: 6672**

**Inside**

Press@RunDepth: **21.66 psig @ 3334.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.10.30**

End Date: **2010.10.30**

Last Calib.: **2010.10.30**

Start Time: **08:09:43**

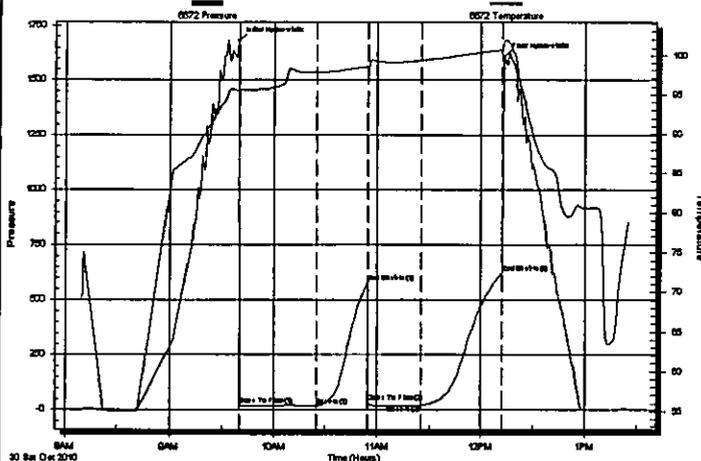
End Time: **13:25:42**

Time On Btm: **2010.10.30 @ 09:39:12**

Time Off Btm: **2010.10.30 @ 12:13:12**

TEST COMMENT: IFF-Weak blow built to 1/3/4 in  
 ISI-Dead  
 FFF-Weak surface blow  
 FSI-Dead

Pressure vs. Time



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1681.28	95.51	Initial Hydro-static
1	22.29	94.98	Open To Flow (1)
46	18.97	97.74	Shut-In (1)
76	581.56	98.48	End Shut-In (1)
76	35.65	98.21	Open To Flow (2)
106	21.66	99.32	Shut-In (2)
153	625.42	100.71	End Shut-In (2)
154	1609.81	101.82	Final Hydro-static

### Recovery

Length (ft)	Description	Volums (bbl)
15.00	SOCV5%O95%M	0.21
10.00	Free Oil	0.14

### Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (MMcft/d)



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**TOOL DIAGRAM**

John Roy Evans Oil Company LLC

**Bieberle #8**

PO Box 385  
Clafin KS 67525

**32-17s-12w Barton,KS**

Job Ticket: 040161      DST#: 2

ATTN: Gary Kirmer

Test Start: 2010.10.30 @ 08:09:42

**Tool Information**

Drill Pipe:	Length: 3329.00 ft	Diameter: 3.80 inches	Volume: 46.70 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 40000.00 lb
			<u>Total Volume: 46.70 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3329.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	50.00 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			3310.00	
Shut In Tool	5.00			3315.00	
Hydraulic tool	5.00			3320.00	
Packer	4.00			3324.00	20.00      Bottom Of Top Packer
Packer	5.00			3329.00	
Stubb	1.00			3330.00	
Perforations	4.00			3334.00	
Recorder	0.00	6672	Inside	3334.00	
Recorder	0.00	8679	Outside	3334.00	
Perforations	22.00			3356.00	
Bullnose	3.00			3359.00	30.00      Bottom Packers & Anchor

**Total Tool Length: 50.00**



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## DRILL STEM TEST REPORT

### FLUID SUMMARY

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**Bieberle #8**

PO Box 385  
Claflin KS 67525

**32-17s-12w Barton,KS**

Job Ticket: 040161

DST#: 2

ATTN: Gary Krrmer

Test Start: 2010.10.30 @ 08:09:42

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 90.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6500.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	SOCM5%O95%M	0.210
10.00	Free Oil	0.140

Total Length: 25.00 ft

Total Volume: 0.350 bbl

Num Fluid Samples: 0

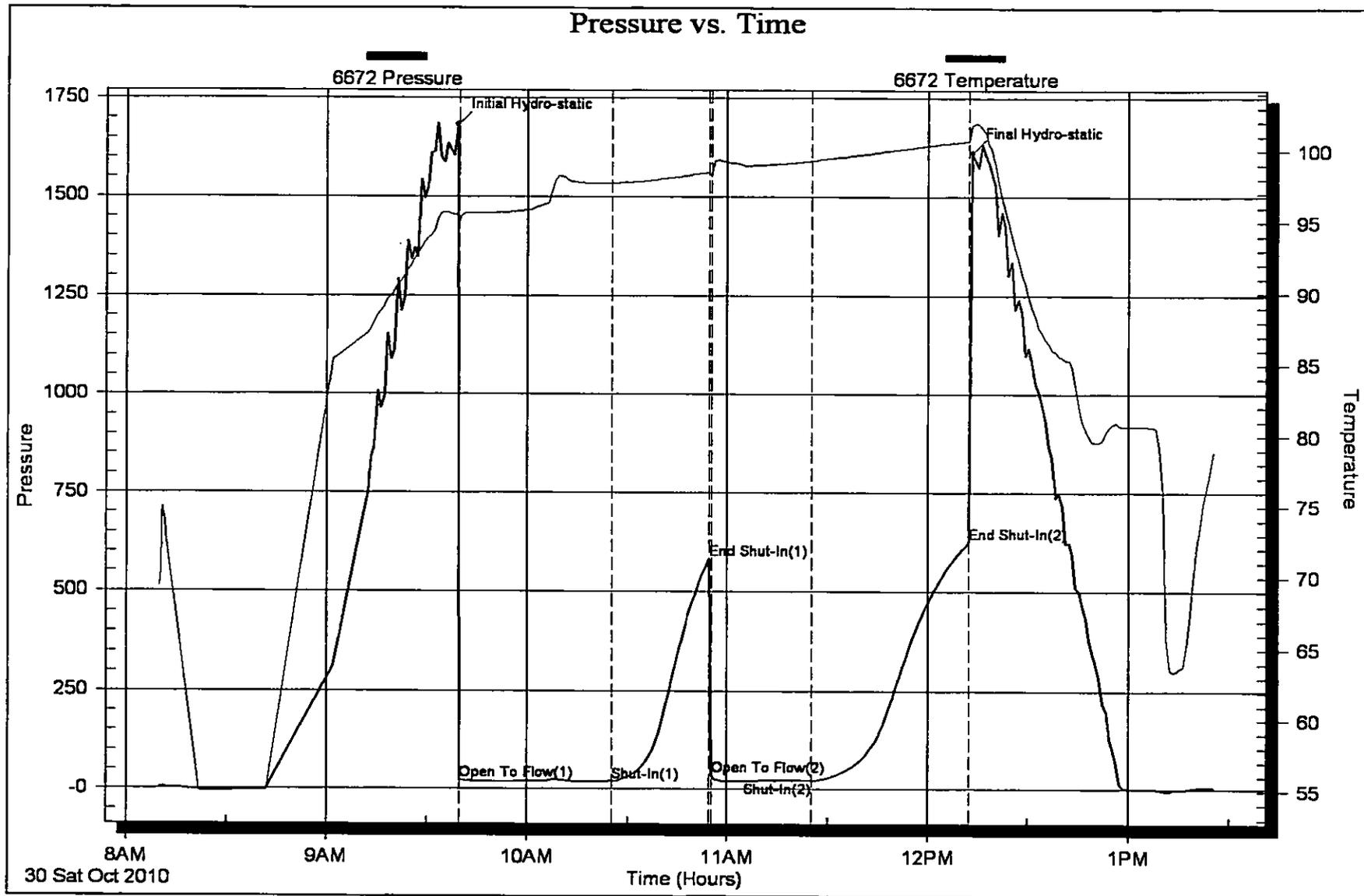
Num Gas Bombs: 0

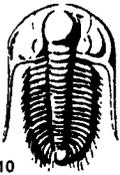
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 040160 14986

NOV 01 2010

Well Name & No. Bieberle #8 Test No. 6 Date 10-29-10  
 Company John Roy Evans Oil Company LLC Elevation 1826 KB 1819 GL  
 Address PO Box 385 CLAFLIN KS 67525  
 Co. Rep / Geo. JIM MCGROVE Rig Royal Rig #2  
 Location: Sec. 32 Twp. 17 S Rge. 12 W Co. Barton State KS

Interval Tested 3086-3174 Zone Tested LKC-A-F  
 Anchor Length 88 Drill Pipe Run 3076 Mud Wt. 8.7  
 Top Packer Depth 3081 Drill Collars Run 0 Vis 56  
 Bottom Packer Depth 3086 Wt. Pipe Run 0 WL 8.8  
 Total Depth 3174 Chlorides 3000 ppm System LCM 1

Blow Description 1st Fair Blow Built to 10 1/8 IN  
ISI - Dead  
2nd Fair Blow Built to 8 1/4 IN  
FST - Dead

Rec	Feet of	%gas	%oil	%water	%mud
<u>157</u>	<u>Mud</u>				

Rec Total 157 BHT 101 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1549  Test 1125 T-On Location 7:50/12:06  
 (B) First Initial Flow 57  Jars \_\_\_\_\_ T-Started 12:40  
 (C) First Final Flow 90  Safety Joint \_\_\_\_\_ T-Open 14:35  
 (D) Initial Shut-In 303  Circ Sub \_\_\_\_\_ T-Pulled 17:20  
 (E) Second Initial Flow 117  Hourly Standby \_\_\_\_\_ T-Out 18:20  
 (F) Second Final Flow 120  Mileage 122 RT 152.50 Comments \_\_\_\_\_  
 (G) Final Shut-In 303  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1505  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1277.50  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1277.50

Approved By \_\_\_\_\_ Our Representative Jeff Brown

Trilobite Testing Inc. shall not be liable for damaged 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.



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

NOV 01 2010

## Test Ticket

NO. 040161

Well Name & No. Bieberle #8 Test No. 2 Date 10-30-10  
 Company John Roy Evans oil company LLC Elevation 1824 KB 1819 GL  
 Address PO Box 385 CLAFIN KS 67525  
 Co. Rep / Geo. Jim Musgrave Rig Royal Rig #2  
 Location: Sec. 32 Twp. 17S Rge. 12W Co. Barton State KS

Interval Tested 3329-3359 Zone Tested ArBuckle  
 Anchor Length 30 Drill Pipe Run 3329 Mud Wt. 9.0  
 Top Packer Depth 3324 Drill Collars Run 0 Vis 5.0  
 Bottom Packer Depth 3329 Wt. Pipe Run 0 WL 9.2  
 Total Depth 3359 Chlorides 6500 ppm System LCM 1/2  
 Blow Description IPP - Weak Blow Built To 1 3/4 IN  
ISI - Dead  
IPP - Weak Surface Blow  
FSI - Dead

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>Free Oil</u>				
<u>15</u>	<u>SOC M</u>				

Rec Total 25 BHT 101 Gravity 38 API RW @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 11681  Test 1125' T-On Location 7:24  
 (B) First Initial Flow 22  Jars \_\_\_\_\_ T-Started 8:09  
 (C) First Final Flow 19  Safety Joint \_\_\_\_\_ T-Open 9:40  
 (D) Initial Shut-In 581  Circ Sub \_\_\_\_\_ T-Pulled 12:10  
 (E) Second Initial Flow 36  Hourly Standby \_\_\_\_\_ T-Out 13:24  
 (F) Second Final Flow 22  Mileage 122 RT 152 50 Comments \_\_\_\_\_  
 (G) Final Shut-In 625  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 11610  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 1277.50  
 Day Standby \_\_\_\_\_ Total 1277.50  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1277.50

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