



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1136665  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx)      (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

*(Data must be collected from the Reserve Pit)*

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1136665

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR: \_\_\_\_\_ Producing Method:  Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Commingled <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Casino Petroleum, LLC
Well Name	Rice #1
Doc ID	1136665

Tops

Name	Top	Datum
Heebner	3224	-1360
Toronto	3242	-1378
Douglas	3258	-1394
Brown Lime	3362	-1498
Lansing	3390	-1526
Base KC	3647	-1783
Viola	3718	-1854
Simpson Shale	3777	-1913
Simpson Sand	3803	-1939
Arbuckle	3842	-1978

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

June 05, 2013

Chris Batchman  
Casino Petroleum, LLC  
PO BOX 415  
ELLINWOOD, KS 67526-0415

Re: ACO1  
API 15-185-23797-00-00  
Rice #1  
NW/4 Sec.16-23S-12W  
Stafford County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Chris Batchman



## DRILL STEM TEST REPORT

Prepared For: **Casino Petroleum, LLC.**

PO Box 415  
Ellinwood, KS 67526-0415

ATTN: Josh Austin

### **Rice #1**

#### **16-23s-12w Stafford,KS**

Start Date: 2013.04.07 @ 00:55:59

End Date: 2013.04.07 @ 07:51:14

Job Ticket #: 50874                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.04.12 @ 10:20:29



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Casino Petroleum, LLC.  
PO Box 415  
Ellinwood, KS 67526-0415  
ATTN: Josh Austin

**16-23s-12w Stafford, KS**  
**Rice #1**  
Job Ticket: 50874      **DST#: 1**  
Test Start: 2013.04.07 @ 00:55:59

## GENERAL INFORMATION:

Formation: **Lansing H - J**  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 03:01:44  
Time Test Ended: 07:51:14  
Interval: **3520.00 ft (KB) To 3580.00 ft (KB) (TVD)**  
Total Depth: 3580.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches      Hole Condition: Poor  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Ryan Reynolds  
Unit No: 48  
Reference Elevations: 1864.00 ft (KB)  
1858.00 ft (CF)  
KB to GR/CF: 6.00 ft

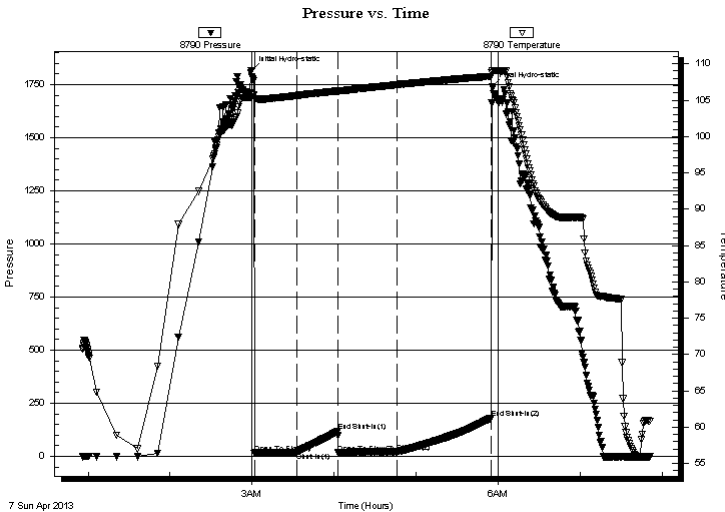
## Serial #: 8790

Inside

Press @ Run Depth: 20.89 psig @ 3521.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2013.04.07      End Date: 2013.04.07      Last Calib.: 2013.04.07  
Start Time: 00:56:04      End Time: 07:51:13      Time On Btm: 2013.04.07 @ 02:59:29  
Time Off Btm: 2013.04.07 @ 05:55:44

TEST COMMENT: IF: Good blow . 1/2" - 10"  
IS: No blow  
FF: Good blow . 2" - 7"  
FS: No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1816.83	105.38	Initial Hydro-static
3	15.12	105.21	Open To Flow (1)
33	20.61	105.63	Shut-In(1)
63	118.39	106.28	End Shut-In(1)
64	16.42	106.24	Open To Flow (2)
107	20.89	107.14	Shut-In(2)
175	180.15	108.27	End Shut-In(2)
177	1742.14	109.08	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	OCM 6%oil, 94%mud	0.14
0.00	240' GIP	0.00

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Casino Petroleum, LLC.  
PO Box 415  
Ellinwood, KS 67526-0415  
ATTN: Josh Austin

**16-23s-12w Stafford,KS**  
**Rice #1**  
Job Ticket: 50874      **DST#: 1**  
Test Start: 2013.04.07 @ 00:55:59

**Tool Information**

Drill Pipe:	Length: 3510.00 ft	Diameter: 3.80 inches	Volume: 49.24 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 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: 49.24 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3520.00 ft			Final 39000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	80.00 ft			
Number of Packers:	2	Diameter: 6.50 inches		

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
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Shut In Tool	5.00			3505.00	
Hydraulic tool	5.00			3510.00	
Packer	5.00			3515.00	20.00      Bottom Of Top Packer
Packer	5.00			3520.00	
Stubb	1.00			3521.00	
Recorder	0.00	8790	Inside	3521.00	
Recorder	0.00	8792	Outside	3521.00	
Perforations	5.00			3526.00	
Change Over Sub	1.00			3527.00	
Drill Pipe	30.00			3557.00	
Change Over Sub	1.00			3558.00	
Perforations	19.00			3577.00	
Bullnose	3.00			3580.00	60.00      Bottom Packers & Anchor

**Total Tool Length: 80.00**





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Casino Petroleum, LLC.

**16-23s-12w Stafford,KS**

PO Box 415  
Ellinwood, KS 67526-0415

**Rice #1**

Job Ticket: 50874

**DST#: 1**

ATTN: Josh Austin

Test Start: 2013.04.07 @ 00:55:59

## 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:

5300 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.58 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5300.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
10.00	OCM 6%oil, 94%mud	0.140
0.00	240' GIP	0.000

Total Length: 10.00 ft      Total Volume: 0.140 bbl

Num Fluid Samples: 0

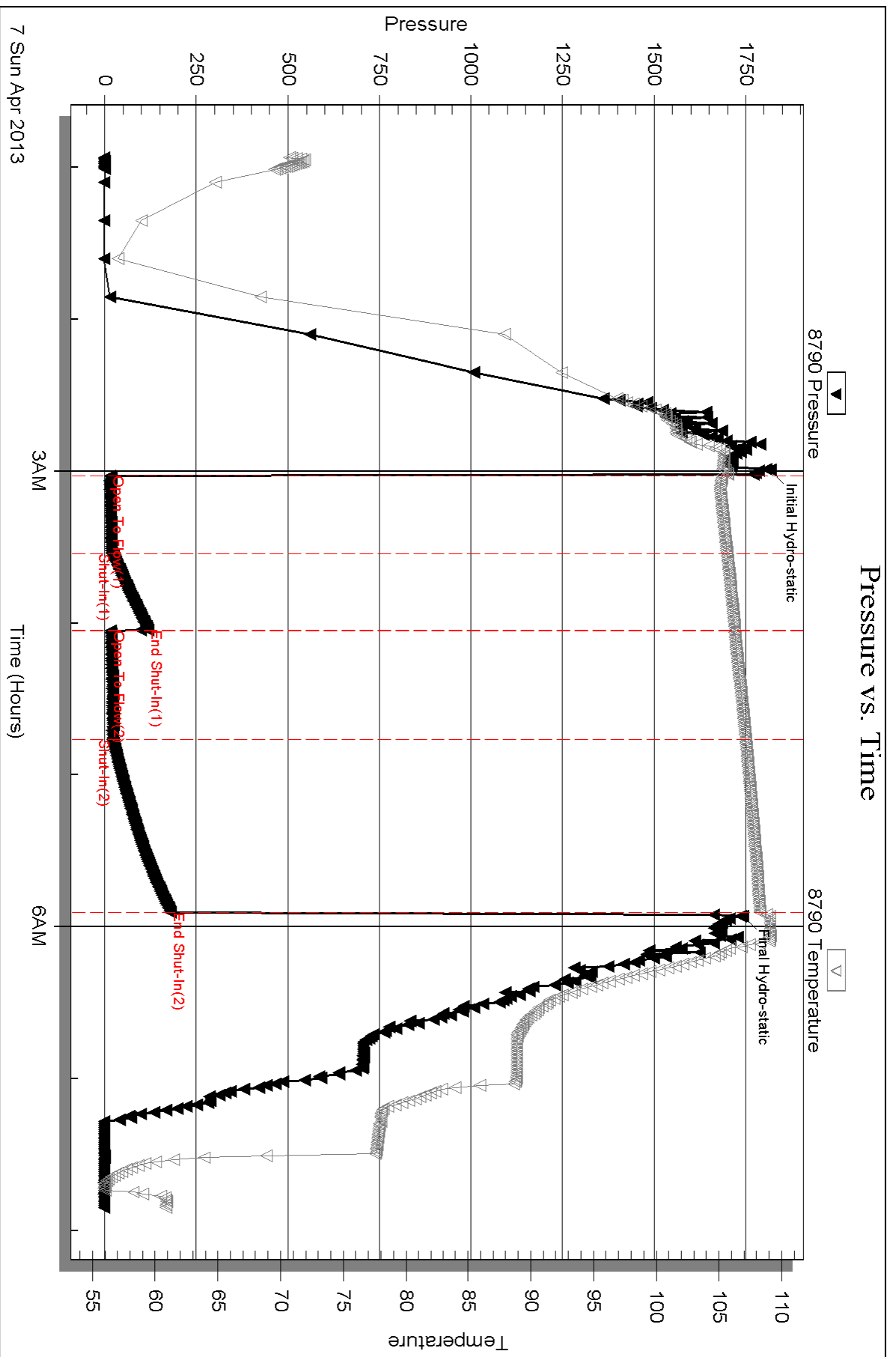
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

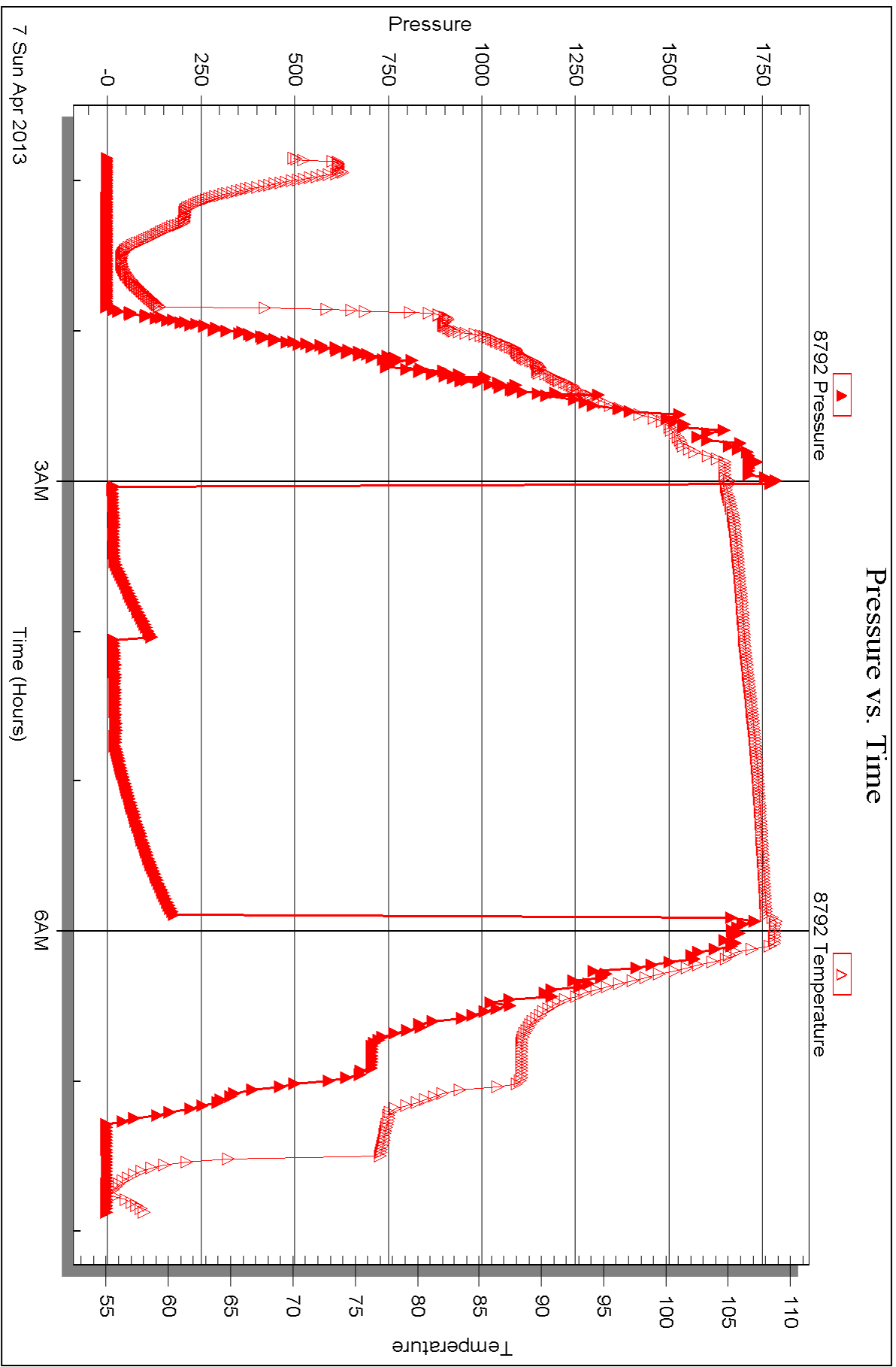


Serial #: 8792

Outside Casino Petroleum, LLC.

Rice #1

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Casino Petroleum, LLC.**

PO Box 415  
Ellinwood, KS 67526-0415

ATTN: Josh Austin

### **Rice #1**

#### **16-23s-12w Stafford,KS**

Start Date: 2013.04.07 @ 15:12:42

End Date: 2013.04.07 @ 20:55:27

Job Ticket #: 50875                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.04.12 @ 10:16:40



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Casino Petroleum, LLC.  
PO Box 415  
Ellinwood, KS 67526-0415  
ATTN: Josh Austin

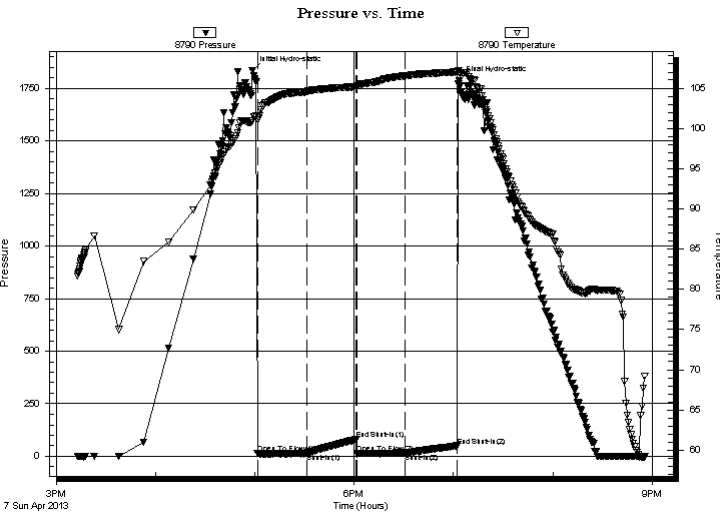
**16-23s-12w Stafford, KS**  
**Rice #1**  
Job Ticket: 50875      **DST#: 2**  
Test Start: 2013.04.07 @ 15:12:42

## GENERAL INFORMATION:

Formation: **Lansing "K"**  
Deviated: No Whipstock:                      ft (KB)  
Time Tool Opened: 17:01:27  
Time Test Ended: 20:55:27  
Interval: **3585.00 ft (KB) To 3605.00 ft (KB) (TVD)**  
Total Depth: 3605.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Poor  
Reference Elevations: 1864.00 ft (KB)  
1858.00 ft (CF)  
KB to GR/CF: 6.00 ft  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Ryan Reynolds  
Unit No: 48

**Serial #: 8790      Inside**  
Press @ RunDepth: 13.99 psig @ 3586.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2013.04.07      End Date: 2013.04.07      Last Calib.: 2013.04.07  
Start Time: 15:12:47      End Time: 20:55:26      Time On Btm: 2013.04.07 @ 16:58:27  
Time Off Btm: 2013.04.07 @ 19:03:12

**TEST COMMENT:** IF: Good blow . 1/2" - 8"  
IS: No blow  
FF: Fair blow . 2" - 5"  
FS: No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1835.96	100.94	Initial Hydro-static
3	12.96	101.09	Open To Flow (1)
33	14.46	104.58	Shut-In(1)
63	79.57	105.19	End Shut-In(1)
63	12.13	105.20	Open To Flow (2)
93	13.99	106.52	Shut-In(2)
124	49.54	107.02	End Shut-In(2)
125	1785.50	106.95	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	OCM 13%oil, 87%mud	0.28
0.00	130' GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Casino Petroleum, LLC.

**16-23s-12w Stafford,KS**

PO Box 415  
Ellinwood, KS 67526-0415

**Rice #1**

Job Ticket: 50875

**DST#: 2**

ATTN: Josh Austin

Test Start: 2013.04.07 @ 15:12:42

## Tool Information

Drill Pipe:	Length: 3571.00 ft	Diameter: 3.80 inches	Volume: 50.09 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 43000.00 lb
			<u>Total Volume: 50.09 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 37000.00 lb
Depth to Top Packer:	3585.00 ft			Final 37000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	40.00 ft			
Number of Packers:	2	Diameter: 6.50 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3570.00	
Hydraulic tool	5.00			3575.00	
Packer	5.00			3580.00	20.00 Bottom Of Top Packer
Packer	5.00			3585.00	
Stubb	1.00			3586.00	
Recorder	0.00	8790	Inside	3586.00	
Recorder	0.00	8792	Outside	3586.00	
Perforations	16.00			3602.00	
Bullnose	3.00			3605.00	20.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>40.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Casino Petroleum, LLC.

**16-23s-12w Stafford,KS**

PO Box 415  
Ellinwood, KS 67526-0415

**Rice #1**

Job Ticket: 50875

**DST#: 2**

ATTN: Josh Austin

Test Start: 2013.04.07 @ 15:12:42

## 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:

7400 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7400.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
20.00	OCM 13%oil, 87%mud	0.281
0.00	130' GIP	0.000

Total Length: 20.00 ft      Total Volume: 0.281 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:



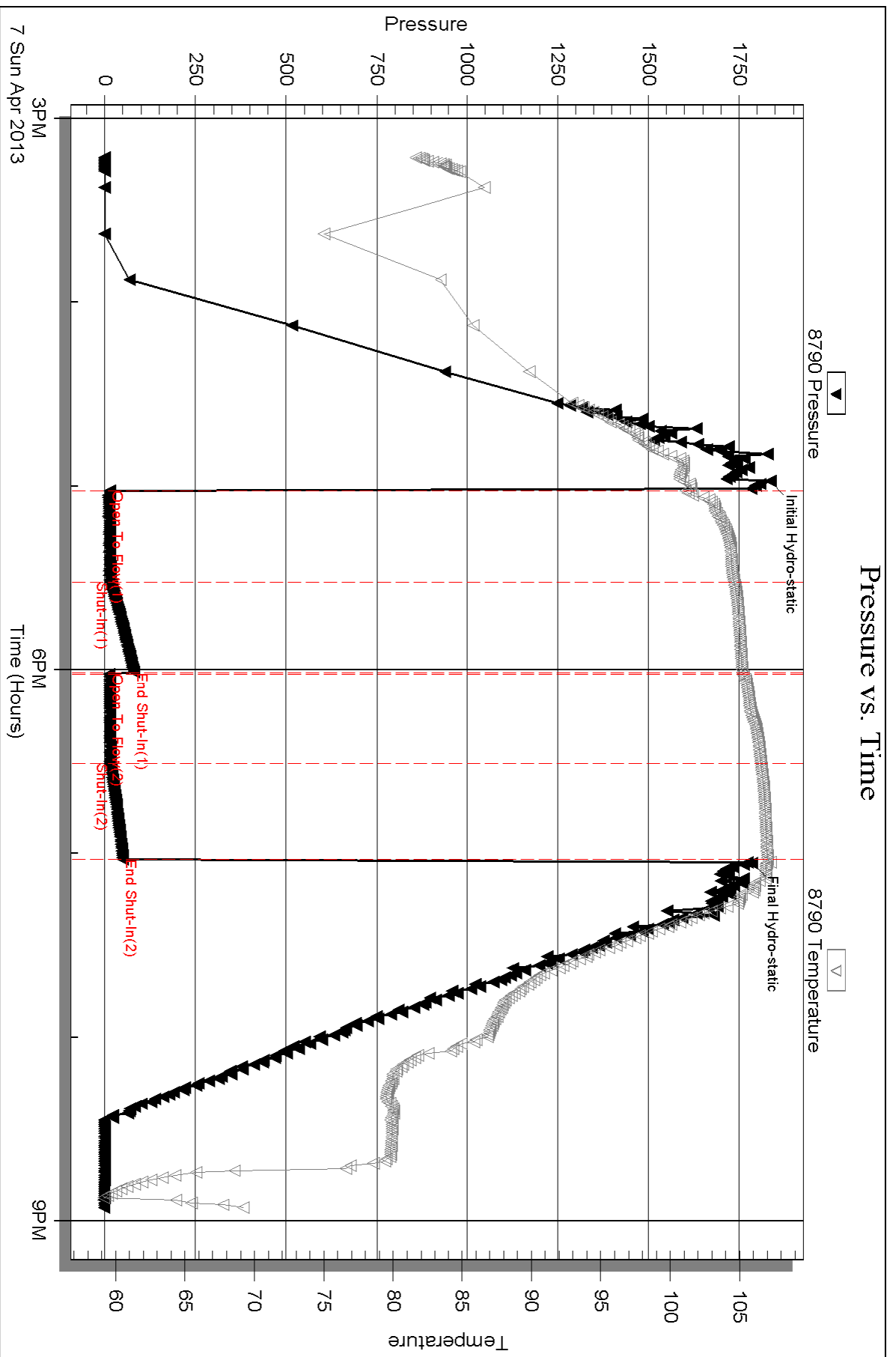
Serial #: 8790

Inside

Casino Petroleum, LLC.

Rice #1

DST Test Number: 2

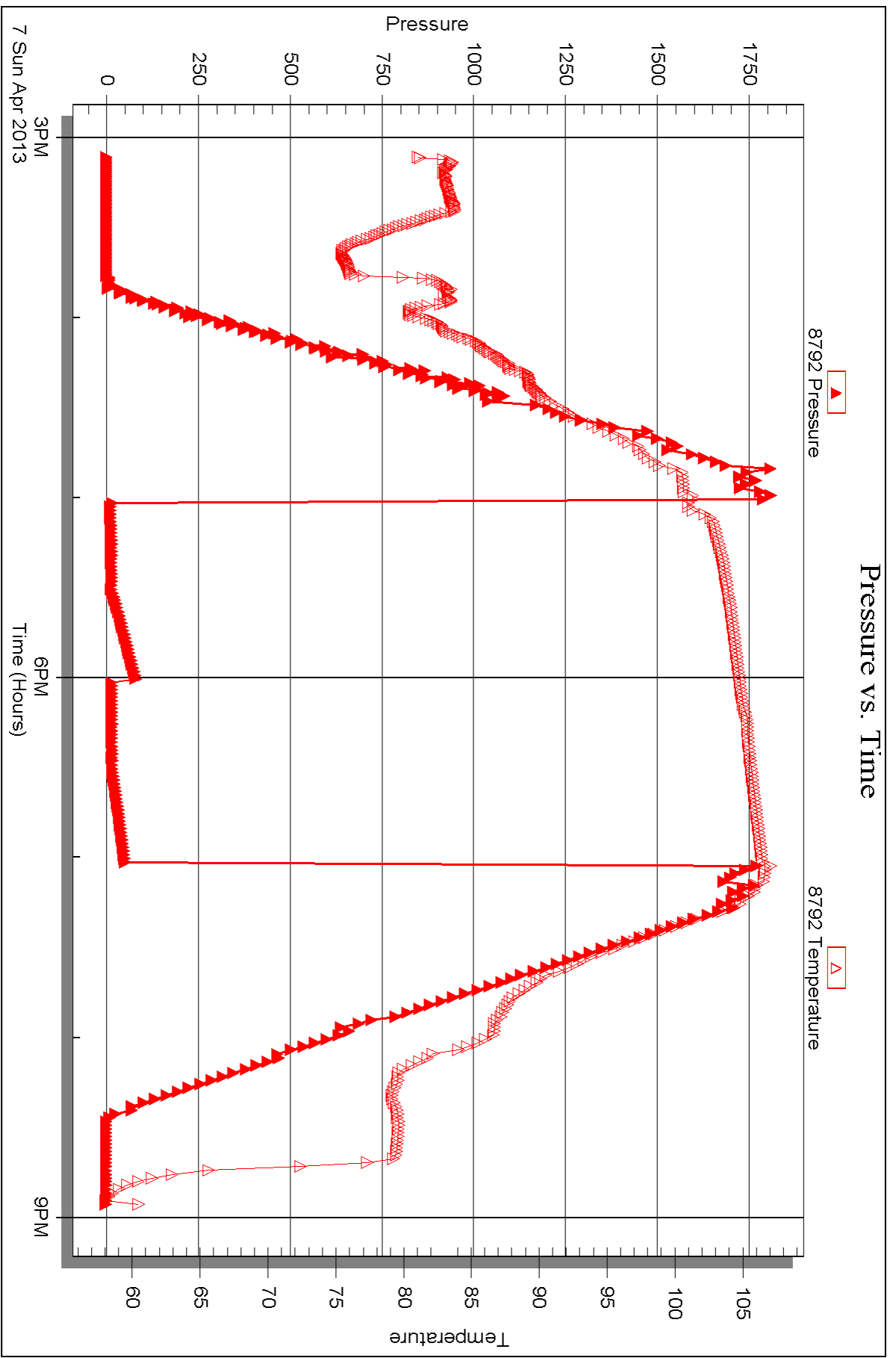


Serial #: 8792

Outside Casino Petroleum, LLC.

Rice #1

DST Test Number: 2





## DRILL STEM TEST REPORT

Prepared For: **Casino Petroleum, LLC.**

PO Box 415  
Ellinwood, KS 67526-0415

ATTN: Josh Austin

### **Rice #1**

#### **16-23s-12w Stafford,KS**

Start Date: 2013.04.08 @ 16:22:31

End Date: 2013.04.09 @ 00:33:31

Job Ticket #: 50476                      DST #: 3

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

Printed: 2013.04.12 @ 10:15:54



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Casino Petroleum, LLC.  
 PO Box 415  
 Ellinwood, KS 67526-0415  
 ATTN: Josh Austin

**16-23s-12w Stafford, KS**  
**Rice #1**  
 Job Ticket: 50476      **DST#: 3**  
 Test Start: 2013.04.08 @ 16:22:31

## GENERAL INFORMATION:

Formation: **Viola - Simpson Sand**  
 Deviated: No Whipstock:      ft (KB)  
 Time Tool Opened: 18:57:01  
 Time Test Ended: 00:33:31  
 Interval: **3725.00 ft (KB) To 3835.00 ft (KB) (TVD)**  
 Total Depth: 3835.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Ryan Reynolds  
 Unit No: 48  
 Reference Elevations: 1864.00 ft (KB)  
 1858.00 ft (CF)  
 KB to GR/CF: 6.00 ft

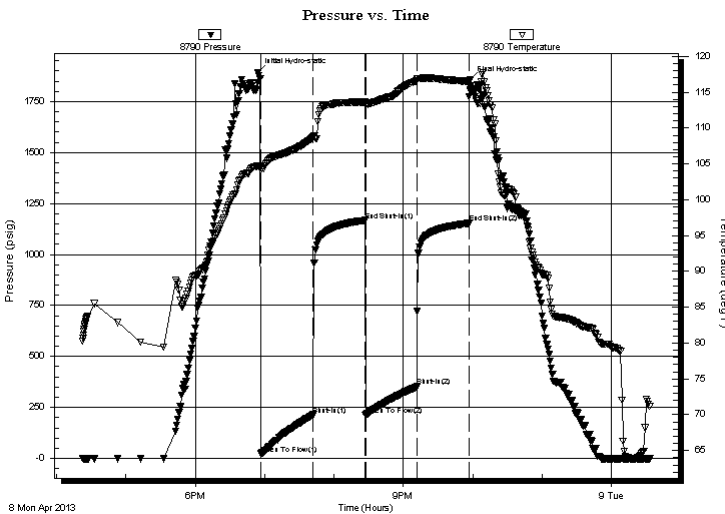
## Serial #: 8790

Inside

Press @ Run Depth: 351.77 psig @ 3726.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2013.04.08      End Date: 2013.04.09      Last Calib.: 2013.04.09  
 Start Time: 16:22:36      End Time: 00:33:30      Time On Btm: 2013.04.08 @ 18:54:16  
 Time Off Btm: 2013.04.08 @ 21:57:31

TEST COMMENT: IF: Strong blow . BOB @ 13 min. No GTS.  
 IS: No blow  
 FF: Strong blow . BOB @ 15 min. No GTS.  
 FS: Weak surf. blow .

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1892.69	104.74	Initial Hydro-static
3	22.33	104.17	Open To Flow (1)
48	214.13	108.71	Shut-In(1)
93	1167.06	113.62	End Shut-In(1)
93	213.08	113.14	Open To Flow (2)
138	351.77	116.60	Shut-In(2)
183	1152.92	116.49	End Shut-In(2)
184	1855.10	115.34	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
530.00	OMCW 4%oil, 20%mud, 76%w tr	7.43
120.00	OCGWM 4%oil, 16%gas, 35%w tr, 20%tr	1.68
120.00	WOCM 9%w tr, 11%oil, 80%mud	1.68
120.00	OCM 4%oil, 96%mud	1.68
0.00	60' GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Casino Petroleum, LLC.  
PO Box 415  
Ellinwood, KS 67526-0415  
ATTN: Josh Austin

**16-23s-12w Stafford,KS**  
**Rice #1**  
Job Ticket: 50476      **DST#: 3**  
Test Start: 2013.04.08 @ 16:22:31

**Tool Information**

Drill Pipe:	Length: 3730.00 ft	Diameter: 3.80 inches	Volume: 52.32 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume: 52.32 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	39000.00 lb
Depth to Top Packer:	3725.00 ft			Final	42000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	110.00 ft				
Tool Length:	130.00 ft				
Number of Packers:	2	Diameter: 6.50 inches			
Tool Comments:					

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
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Shut In Tool	5.00			3710.00	
Hydraulic tool	5.00			3715.00	
Packer	5.00			3720.00	20.00      Bottom Of Top Packer
Packer	5.00			3725.00	
Stubb	1.00			3726.00	
Recorder	0.00	8790	Inside	3726.00	
Recorder	0.00	8792	Outside	3726.00	
Perforations	4.00			3730.00	
Change Over Sub	1.00			3731.00	
Drill Pipe	95.00			3826.00	
Change Over Sub	1.00			3827.00	
Perforations	5.00			3832.00	
Bullnose	3.00			3835.00	110.00      Bottom Packers & Anchor

**Total Tool Length: 130.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Casino Petroleum, LLC.

**16-23s-12w Stafford,KS**

PO Box 415  
Ellinwood, KS 67526-0415

**Rice #1**

Job Ticket: 50476

**DST#: 3**

ATTN: Josh Austin

Test Start: 2013.04.08 @ 16:22:31

## 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:

47000 ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 12.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7400.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
530.00	OMCW 4%oil, 20%mud, 76%w tr	7.435
120.00	OCGWM 4%oil, 16%gas, 35%w tr, 20%mud	1.683
120.00	WOCM 9%w tr, 11%oil, 80%mud	1.683
120.00	OCM 4%oil, 96%mud	1.683
0.00	60' GIP	0.000

Total Length: 890.00 ft

Total Volume: 12.484 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

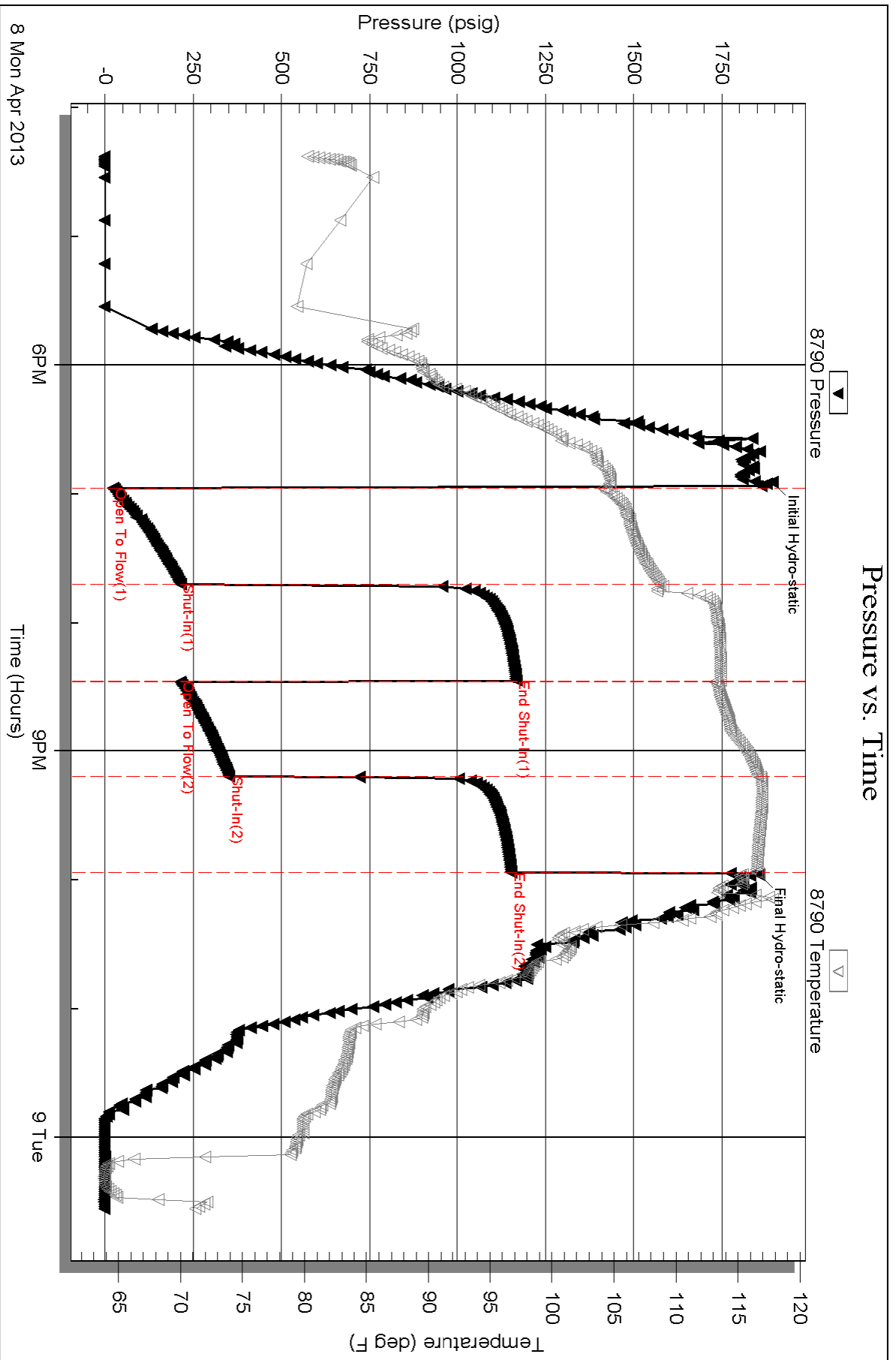
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time



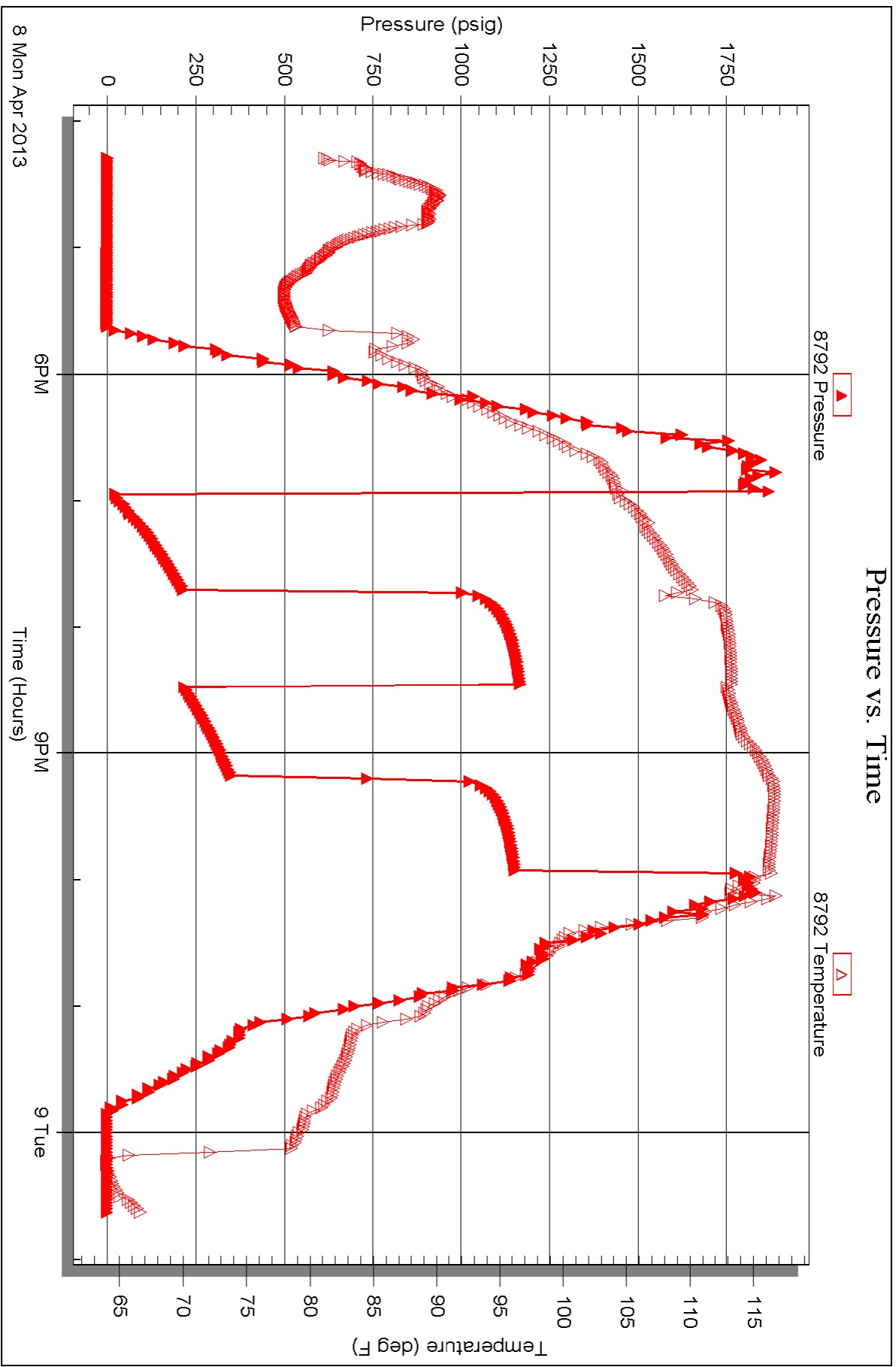


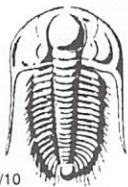
Serial #: 8792

Outside Casino Petroleum, LLC.

Rice #1

DST Test Number: 3





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 50874

Well Name & No. Rice #1 Test No. 1 Date 4-6-13  
 Company Casino Petroleum, LLC. Elevation 1864 KB 1858 GL  
 Address P.O. Box 415 Ellinwood, KS 67526-0415  
 Co. Rep / Geo. Josh Austin Rig Southwind #4  
 Location: Sec. 16 Twp. 23s. Rge. 12w. Co. Stafford State KS

Interval Tested 3520-3580 Zone Tested Lansing H-J  
 Anchor Length 60' Drill Pipe Run 3510 Mud Wt. 9.4  
 Top Packer Depth 3515 Drill Collars Run Ø Vis 51  
 Bottom Packer Depth 3520 Wt. Pipe Run Ø WL 9.6  
 Total Depth 3580 Chlorides 5300 ppm System LCM Trc #

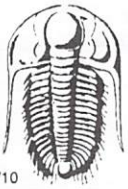
Blow Description IF: Good blow. 1/2" - 10"  
ISI: No blow  
FF: Good blow. 2" - 7"  
FSI: No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>OCM</u>	<u>6</u>		<u>94</u>	
<u>240</u>	<u>GIP</u>	<u>100</u>			

Rec Total 250 BHT 109 Gravity N/L API RW N/L @ N/L F Chlorides 5300 ppm  
 (A) Initial Hydrostatic 1817  Test 1150 T-On Location 2145  
 (B) First Initial Flow 15  Jars \_\_\_\_\_ T-Started 0056  
 (C) First Final Flow 21  Safety Joint \_\_\_\_\_ T-Open 0302  
 (D) Initial Shut-In 118  Circ Sub \_\_\_\_\_ T-Pulled 0547  
 (E) Second Initial Flow 16  Hourly Standby 1 hr. 100 T-Out 0751  
 (F) Second Final Flow 21  Mileage 60 93 Comments \_\_\_\_\_  
 (G) Final Shut-In 180  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1742  Straddle \_\_\_\_\_

Initial Open 30  Ruined Shale Packer \_\_\_\_\_  
 Initial Shut-In 30  Ruined Packer \_\_\_\_\_  
 Final Flow 45  Extra Packer \_\_\_\_\_  
 Final Shut-In 60  Extra Recorder \_\_\_\_\_  
 Sub Total 0  
 Total 1343  
 MP/DST Disc't \_\_\_\_\_  
 Sub Total 1343

Approved By \_\_\_\_\_ Our Representative Ryan Reynolds  
 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.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 50875

Well Name & No. Rice #1 Test No. 2 Date 4-7-13  
 Company Casino Petro, LLC. Elevation 1864 KB 1858 GL  
 Address P.O. Box 415 Ellinwood, KS 67526-0415  
 Co. Rep / Geo. Josh Austin Rig Southwind #4  
 Location: Sec. 16 Twp. 23s. Rge. 12w. Co. Stafford State KS

Interval Tested 3585-3605 Zone Tested Lansing "K"  
 Anchor Length 20' Drill Pipe Run 3571 Mud Wt. 9.4  
 Top Packer Depth 3580 Drill Collars Run Ø Vis 51  
 Bottom Packer Depth 3585 Wt. Pipe Run Ø WL 9.2  
 Total Depth 3605 Chlorides 7400 ppm System LCM Trc #

Blow Description IF: Good blow. 1/2" - 8"  
ISI: No blow  
FF: Fair blow. 2" - 5"  
FST: No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>130</u>	<u>GIP</u>	<u>100</u>			
<u>20</u>	<u>OCM</u>		<u>13</u>	<u>87</u>	

Rec Total 150 BHT 107 Gravity N/C API RW N/C @ N/L °F Chlorides 7400 ppm

(A) Initial Hydrostatic 1836  Test 1150 T-On Location 1500  
 (B) First Initial Flow 13  Jars \_\_\_\_\_ T-Started 1513  
 (C) First Final Flow 14  Safety Joint \_\_\_\_\_ T-Open 1701  
 (D) Initial Shut-In 80  Circ Sub \_\_\_\_\_ T-Pulled 1904  
 (E) Second Initial Flow 12  Hourly Standby \_\_\_\_\_ T-Out 2055  
 (F) Second Final Flow 14  Mileage 93 Comments \_\_\_\_\_  
 (G) Final Shut-In 50  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1786  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_

Initial Open 30  Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Initial Shut-In 30  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Flow 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Shut-In 30  Day Standby \_\_\_\_\_ Total 1243  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1243

Approved By \_\_\_\_\_ Our Representative Ryan Reynolds

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 50476

Well Name & No. Rice #1 Test No. 3 Date 4-8-13  
 Company Casino Petro. LLC. Elevation 1864 KB 1858 GL  
 Address P.O. Box 415 Ellinwood, KS 67526-0415  
 Co. Rep / Geo. Josh Austin Rig Southwind #4  
 Location: Sec. 16 Twp. 23s. Rge. 12w. Co. Stafford State KS

Interval Tested 3725-3835 Zone Tested Viola - Simpson Sand  
 Anchor Length 110 Drill Pipe Run 3730 Mud Wt. 9.2+  
 Top Packer Depth 3720 Drill Collars Run Ø Vis 61  
 Bottom Packer Depth 3725 Wt. Pipe Run Ø WL 12.2  
 Total Depth 3835 Chlorides 7400 ppm System LCM Ø#

Blow Description IF: Strong blow. BOB 13 min. No GTS.  
ISI: No blow  
FF: Strong blow. BOB @ 15 min. No GTS  
FSI: Weak surf. blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>GTP</u>	<u>100</u>			
<u>120</u>	<u>OCM</u>		<u>4</u>		<u>96</u>
<u>120</u>	<u>WOCM</u>		<u>11</u>	<u>9</u>	<u>80</u>
<u>120</u>	<u>OLGWM</u>	<u>16</u>	<u>4</u>	<u>35</u>	<u>45</u>
<u>530</u>	<u>OMLW</u>		<u>4</u>	<u>76</u>	<u>20</u>

Rec Total 950 BHT 116 Gravity N/C API RW 0.14 @ 80 ° F Chlorides 47000 ppm

(A) Initial Hydrostatic 1893  Test 1150 T-On Location 1600  
 (B) First Initial Flow 22  Jars \_\_\_\_\_ T-Started 1623  
 (C) First Final Flow 214  Safety Joint \_\_\_\_\_ T-Open 1857  
 (D) Initial Shut-In 1167  Circ Sub \_\_\_\_\_ T-Pulled 2158  
 (E) Second Initial Flow 213  Hourly Standby \_\_\_\_\_ T-Out 0034  
 (F) Second Final Flow 352  Mileage 186 Test Pick A Test 60+60 Comments \_\_\_\_\_  
 (G) Final Shut-In 1153  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1855  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_

Initial Open 45  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Shut-In 45  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Flow 45  Day Standby \_\_\_\_\_ Total 1336  
 Final Shut-In 45  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1336

Approved By \_\_\_\_\_ Our Representative Ryan Reynolds

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