



1251181

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No 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: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Casino Petroleum, LLC
Well Name	Zahorsky M 1
Doc ID	1251181

All Electric Logs Run

Bore Hole Volume Caliper Log
Composite Log
Phase Induction Shallow Focus Sp Log
Computer Processed log

Form	ACO1 - Well Completion
Operator	Casino Petroleum, LLC
Well Name	Zahorsky M 1
Doc ID	1251181

Tops

Name	Top	Datum
Anhydrite	461	+1299
Topeka	2594	-834
Heebner Shale	2867	-1107
Toronto	2883	-1123
Douglas	2898	-1138
Brown Lime	2991	-1231
Lansing	3017	-1257
Arbuckle	3268	-1508



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Casino Petroleum

14-20-11w Barton

Po Box 415 Ellinw ood
Ks 67526

Zahorsky M #1

Job Ticket: 62884

DST#: 4

ATTN: Todd Morgensten

Test Start: 2015.04.28 @ 06:50:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:17:30

Time Test Ended: 12:29:00

Test Type: Conventional Straddle (Initial)

Tester: Dustin Ellis

Unit No: 59-Great Bend-40

Interval: 3284.00 ft (KB) To 3304.00 ft (KB) (TVD)

Reference Elevations: 1750.00 ft (KB)

Total Depth: 3360.00 ft (KB) (TVD)

1743.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 6839

Inside

Press@RunDepth: 290.14 psig @ 3301.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2015.04.28

End Date:

2015.04.28

Last Calib.:

2015.04.29

Start Time: 06:51:00

End Time:

12:29:00

Time On Btm:

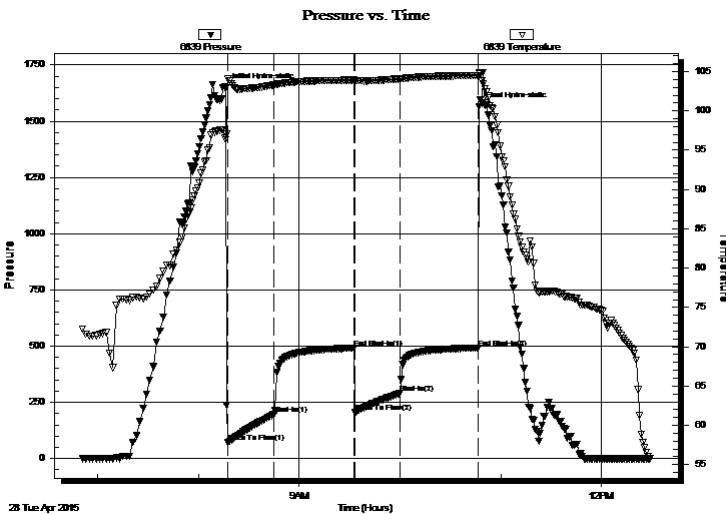
2015.04.28 @ 08:16:00

Time Off Btm:

2015.04.28 @ 10:47:00

TEST COMMENT: 1st Open 30 min BOB in 2 min.
1st Shut in 45 min. No blow back
2nd Open 30 min BOB in 11 min.
2nd Shut in 45 min. No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1647.22	96.33	Initial Hydro-static
2	72.27	104.10	Open To Flow (1)
29	196.79	103.28	Shut-In(1)
77	491.42	103.91	End Shut-In(1)
77	205.35	103.84	Open To Flow (2)
104	290.14	104.07	Shut-In(2)
151	492.19	104.48	End Shut-In(2)
151	1564.96	104.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
189.00	Lightly oil spotted muddy water 100%	2.65
401.00	Water 100%	5.62

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Casino Petroleum

14-20-11w Barton

Po Box 415 Ellinw ood
Ks 67526

Zahorsky M #1

Job Ticket: 62884

DST#: 4

ATTN: Todd Morgensten

Test Start: 2015.04.28 @ 06:50:00

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:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8500.00 ppm

Filter Cake: 0.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
189.00	Lightly oil spotted muddy w ater 100%	2.651
401.00	Water 100%	5.625

Total Length: 590.00 ft Total Volume: 8.276 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

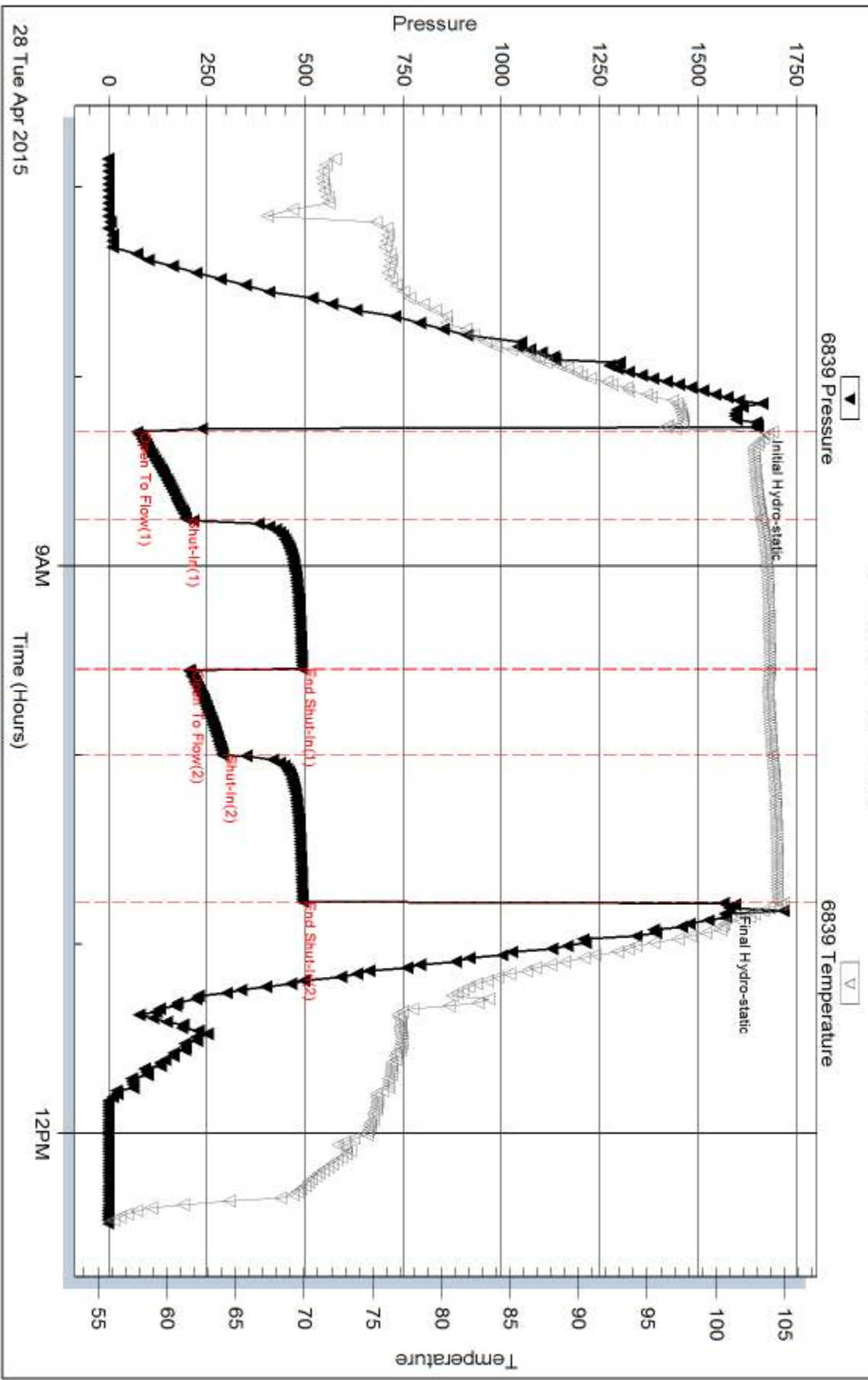
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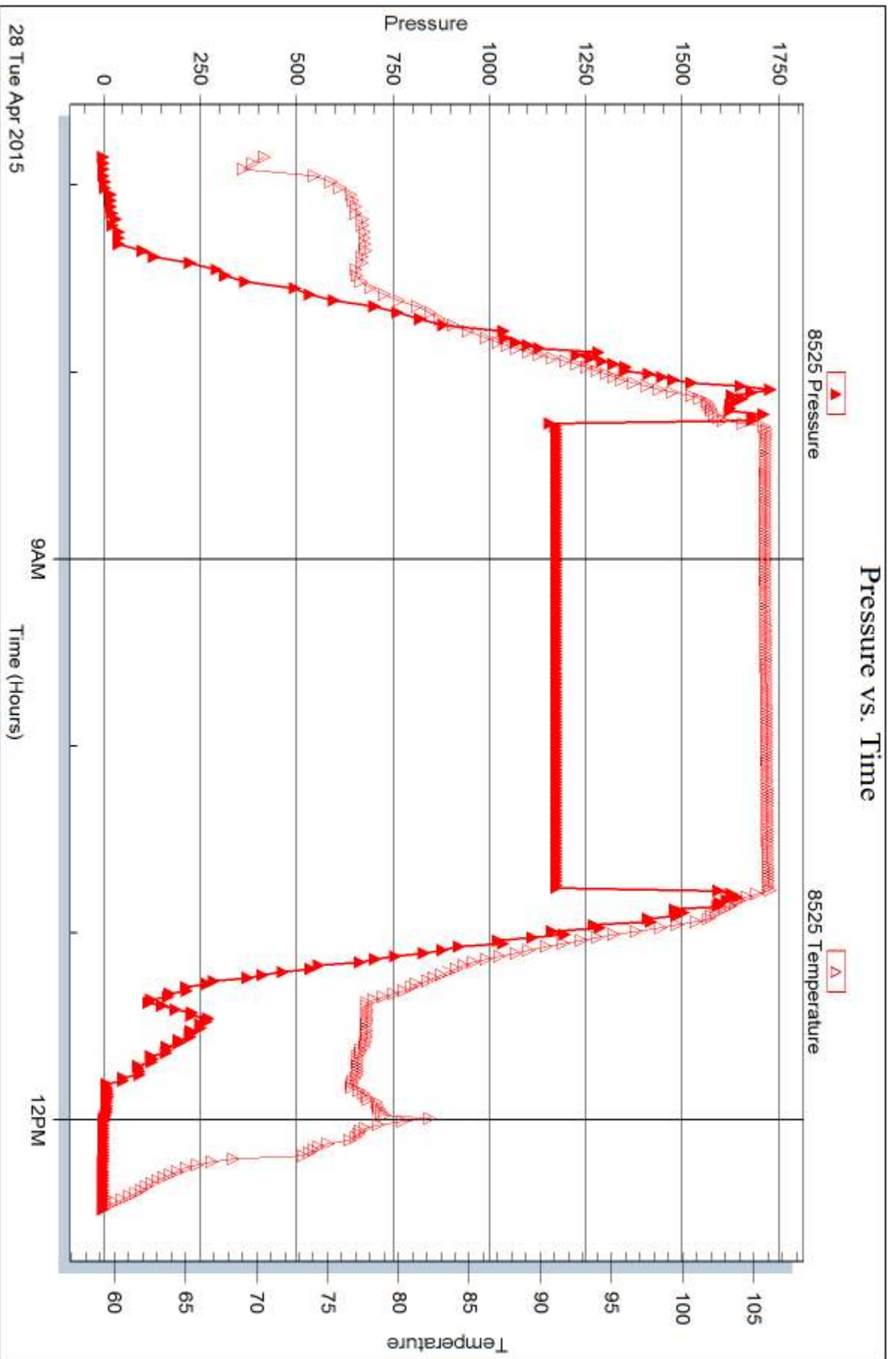
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Casino Petroleum

14-20-11w Barton

Po Box 415 Ellinw ood
Ks 67526

Zahorsky M #1

Job Ticket: 62883

DST#: 3

ATTN: Todd Morgensten

Test Start: 2015.04.28 @ 01:39:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:50:30

Time Test Ended: 06:09:00

Test Type: Conventional Straddle (Initial)

Tester: Dustin Ellis

Unit No: 59-Great Bend-40

Interval: 3286.00 ft (KB) To 3294.00 ft (KB) (TVD)

Reference Elevations: 1750.00 ft (KB)

Total Depth: 3360.00 ft (KB) (TVD)

1743.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8525 Inside

Press@RunDepth: 52.10 psig @ 3291.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2015.04.28 End Date: 2015.04.28

Last Calib.: 2015.04.28

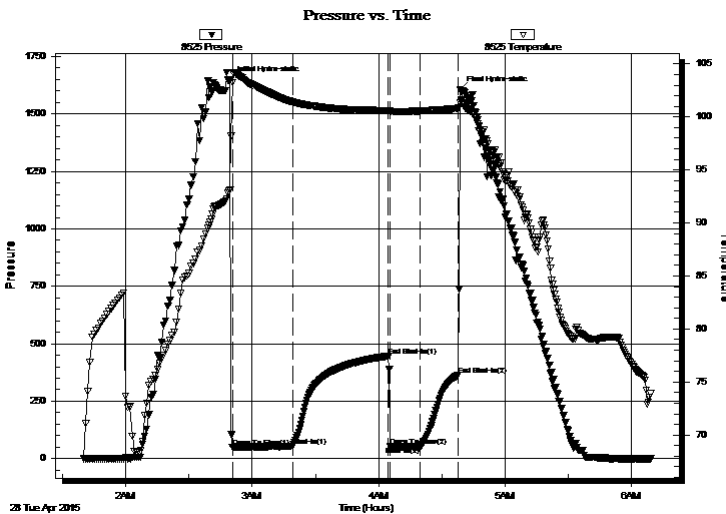
Start Time: 01:40:00 End Time: 06:09:00

Time On Btm: 2015.04.28 @ 02:49:30

Time Off Btm: 2015.04.28 @ 04:38:30

TEST COMMENT: 1st Open 30 min Good building blow built to 7.5 inches.
1st Shut in 45 min No blow back
2nd Open 15 min Dead
2nd Shut in 15 min No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1644.51	93.11	Initial Hydro-static
1	48.74	103.21	Open To Flow (1)
30	53.90	101.39	Shut-In(1)
75	446.49	100.61	End Shut-In(1)
76	52.96	100.51	Open To Flow (2)
91	52.10	100.55	Shut-In(2)
109	362.74	100.77	End Shut-In(2)
109	1603.61	101.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
52.00	Very lightly oil spotted mud mud 100%	0.73

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Casino Petroleum

14-20-11w Barton

Po Box 415 Ellinw ood
Ks 67526

Zahorsky M #1

Job Ticket: 62883

DST#: 3

ATTN: Todd Morgensten

Test Start: 2015.04.28 @ 01:39:00

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:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8500.00 ppm

Filter Cake: 0.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
52.00	Very lightly oil spotted mud mud 100%	0.729

Total Length: 52.00 ft Total Volume: 0.729 bbl

Num Fluid Samples: 0

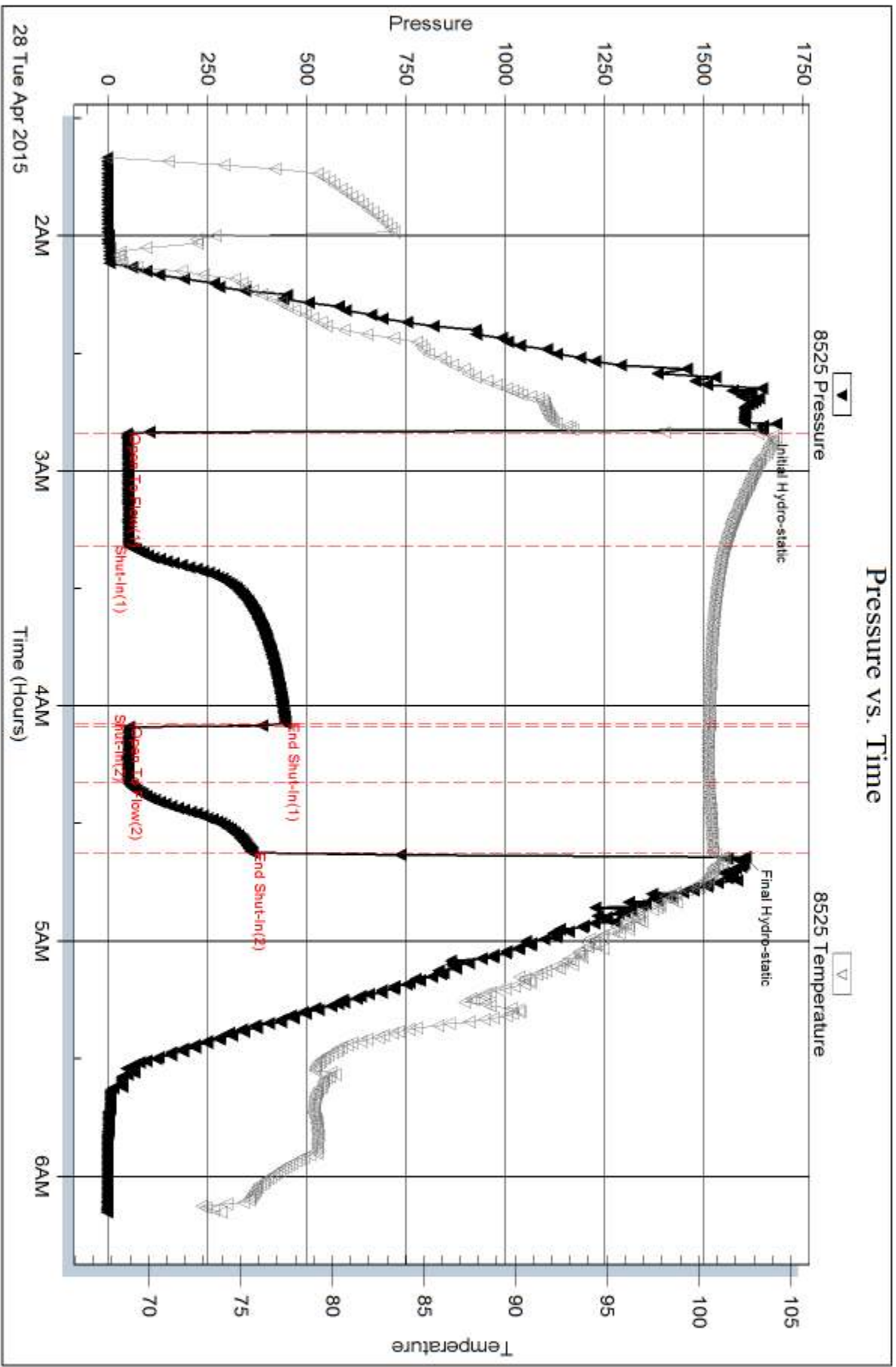
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

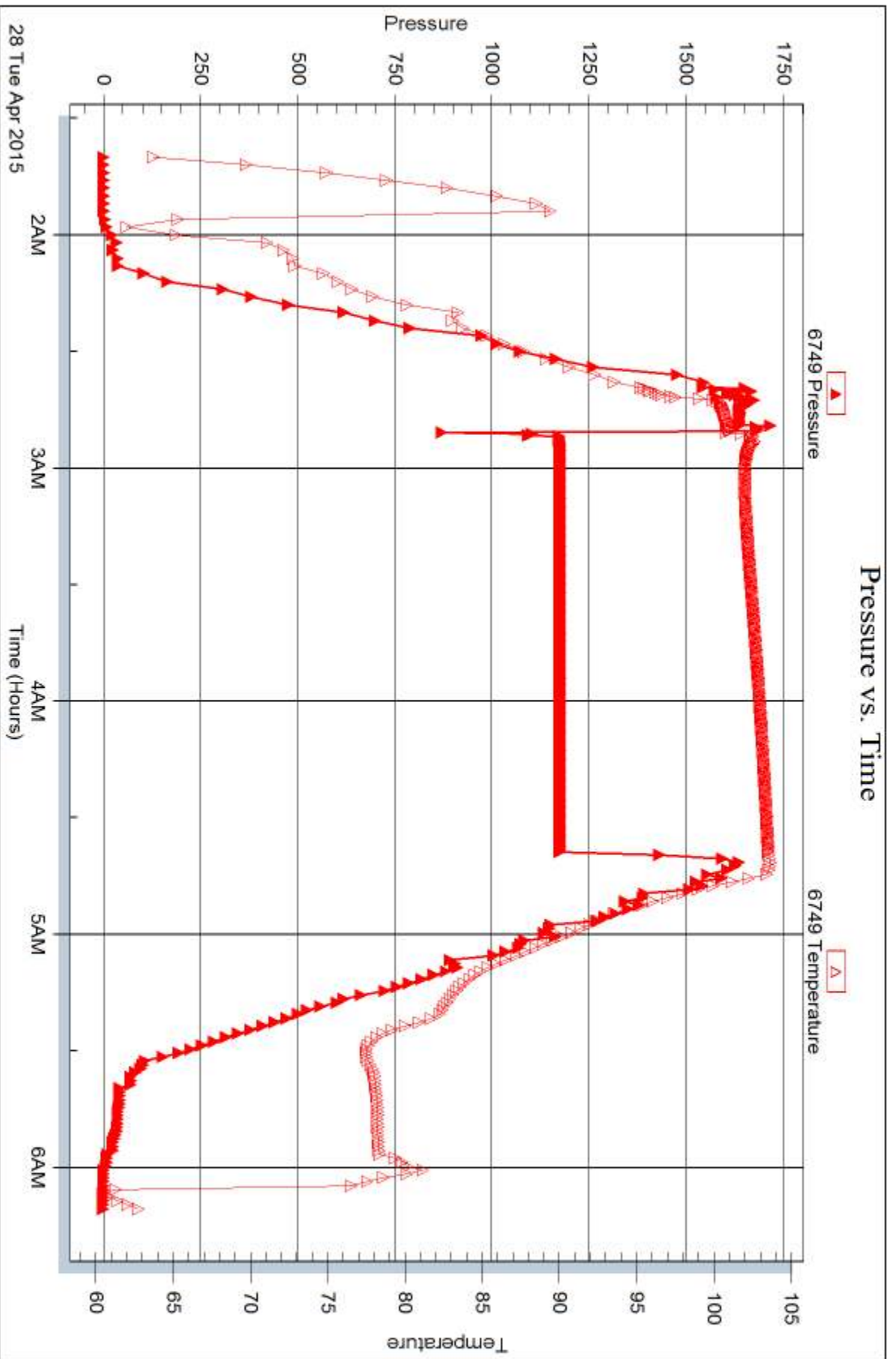


Serial #: 6749

Below (Strat) Petroleum

Zahorsky M#1

DST Test Number: 3





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Casino Petroleum
 Po Box 415 Ellinw ood
 Ks 67526
 ATTN: Todd Morgensten

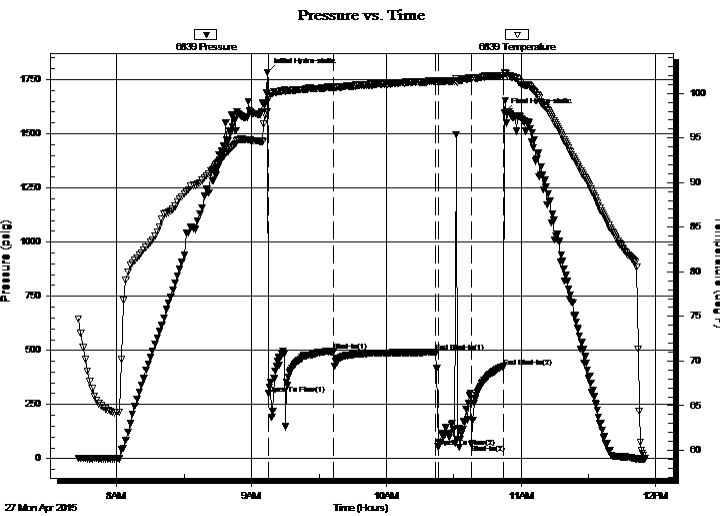
14-20-11w Barton
Zahorsky M #1
 Job Ticket: 62882 **DST#: 2**
 Test Start: 2015.04.27 @ 07:42:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:07:30
 Time Test Ended: 11:55:00
 Interval: **3278.00 ft (KB) To 3288.00 ft (KB) (TVD)**
 Total Depth: 3288.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 59-Great Bend-40
 Reference Elevations: 1750.00 ft (KB)
 1743.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 6839 Inside
 Press @ RunDepth: 67.57 psig @ 3283.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2015.04.27 End Date: 2015.04.27 Last Calib.: 2015.04.28
 Start Time: 07:43:00 End Time: 11:55:00 Time On Btm: 2015.04.27 @ 09:07:00
 Time Off Btm: 2015.04.27 @ 10:52:30

TEST COMMENT: 1st Open 30 min Weak building blow built to 2 inches.
 1st Shut in 45 min No blow .
 2nd Open 15 min Dead flushed tool w eak surface blow
 2nd Shut in 15 min No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1783.50	97.92	Initial Hydro-static
1	299.94	99.30	Open To Flow (1)
30	494.60	100.75	Shut-In(1)
75	490.56	101.43	End Shut-In(1)
76	54.39	101.25	Open To Flow (2)
91	67.57	101.60	Shut-In(2)
105	424.98	102.00	End Shut-In(2)
106	1596.12	102.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
26.00	Mud 100%	0.36

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Casino Petroleum

14-20-11w Barton

Po Box 415 Ellinw ood
Ks 67526

Zahorsky M #1

Job Ticket: 62882

DST#: 2

ATTN: Todd Morgensten

Test Start: 2015.04.27 @ 07:42:00

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:

bbbl

Water Loss: 8.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
26.00	Mud 100%	0.365

Total Length: 26.00 ft Total Volume: 0.365 bbl

Num Fluid Samples: 0

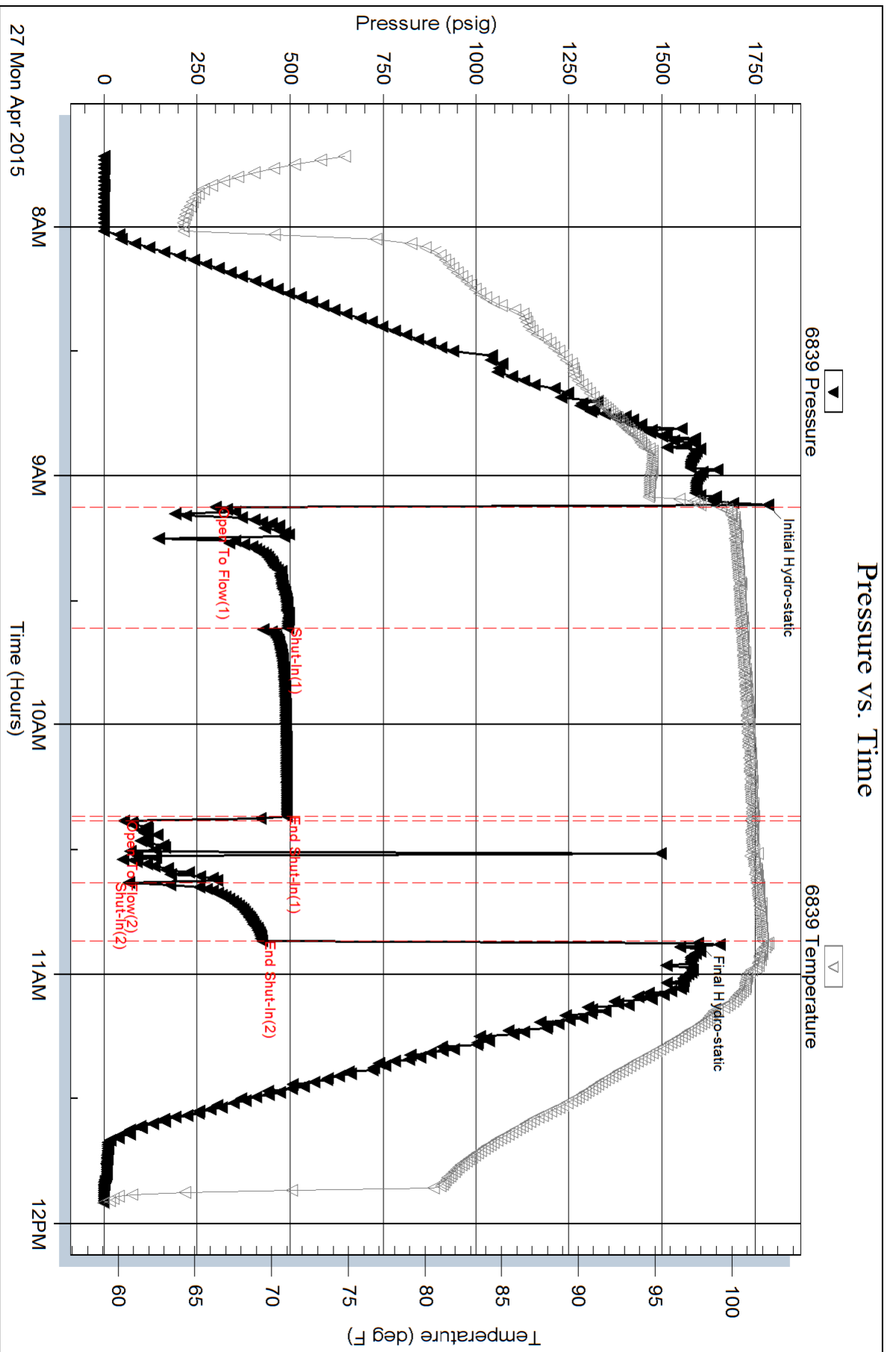
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Casino Petroleum

14-20-11w Barton

Po Box 415 Ellinw ood
Ks 67526

Zahorsky M #1

Job Ticket: 62881

DST#: 1

ATTN: Todd Morgensten

Test Start: 2015.04.27 @ 07:28:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:58:30

Time Test Ended: 12:50:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 59-Great Bend-40

Interval: 3244.00 ft (KB) To 3280.00 ft (KB) (TVD)

Reference Elevations: 1750.00 ft (KB)

Total Depth: 3280.00 ft (KB) (TVD)

1743.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 6839 Inside

Press@RunDepth: 40.11 psig @ 3275.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2015.04.27 End Date: 2015.04.27

Last Calib.: 2015.04.27

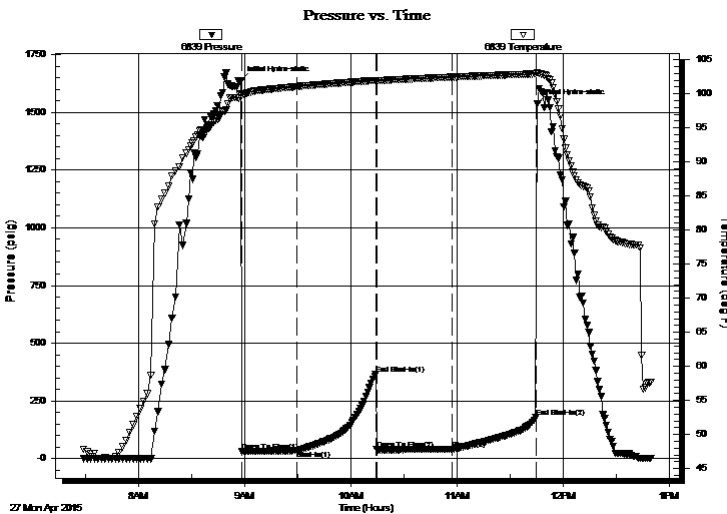
Start Time: 07:29:00 End Time: 12:50:00

Time On Btm: 2015.04.27 @ 08:58:00

Time Off Btm: 2015.04.27 @ 11:45:30

TEST COMMENT: 1st Open 30 min .Weak Building blow built to 5 inches
1st Shut in 45 min. No blow back
2nd Open 45 min. BOB in 16 minutes
2nd Shut in 45 min. Yes blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1639.08	100.05	Initial Hydro-static
1	31.54	99.78	Open To Flow (1)
32	34.89	101.06	Shut-In(1)
76	365.05	101.99	End Shut-In(1)
77	39.91	101.92	Open To Flow (2)
119	40.11	102.46	Shut-In(2)
167	179.28	102.94	End Shut-In(2)
168	1538.26	103.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	Oil cut mud 15%Oil 85% Mud	0.63
0.00	270 Gas in pipe	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Casino Petroleum

14-20-11w Barton

Po Box 415 Ellinw ood
Ks 67526

Zahorsky M #1

Job Ticket: 62881

DST#: 1

ATTN: Todd Morgensten

Test Start: 2015.04.27 @ 07:28:00

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:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5300.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	Oil cut mud 15%Oil 85% Mud	0.631
0.00	270 Gas in pipe	0.000

Total Length: 45.00 ft Total Volume: 0.631 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

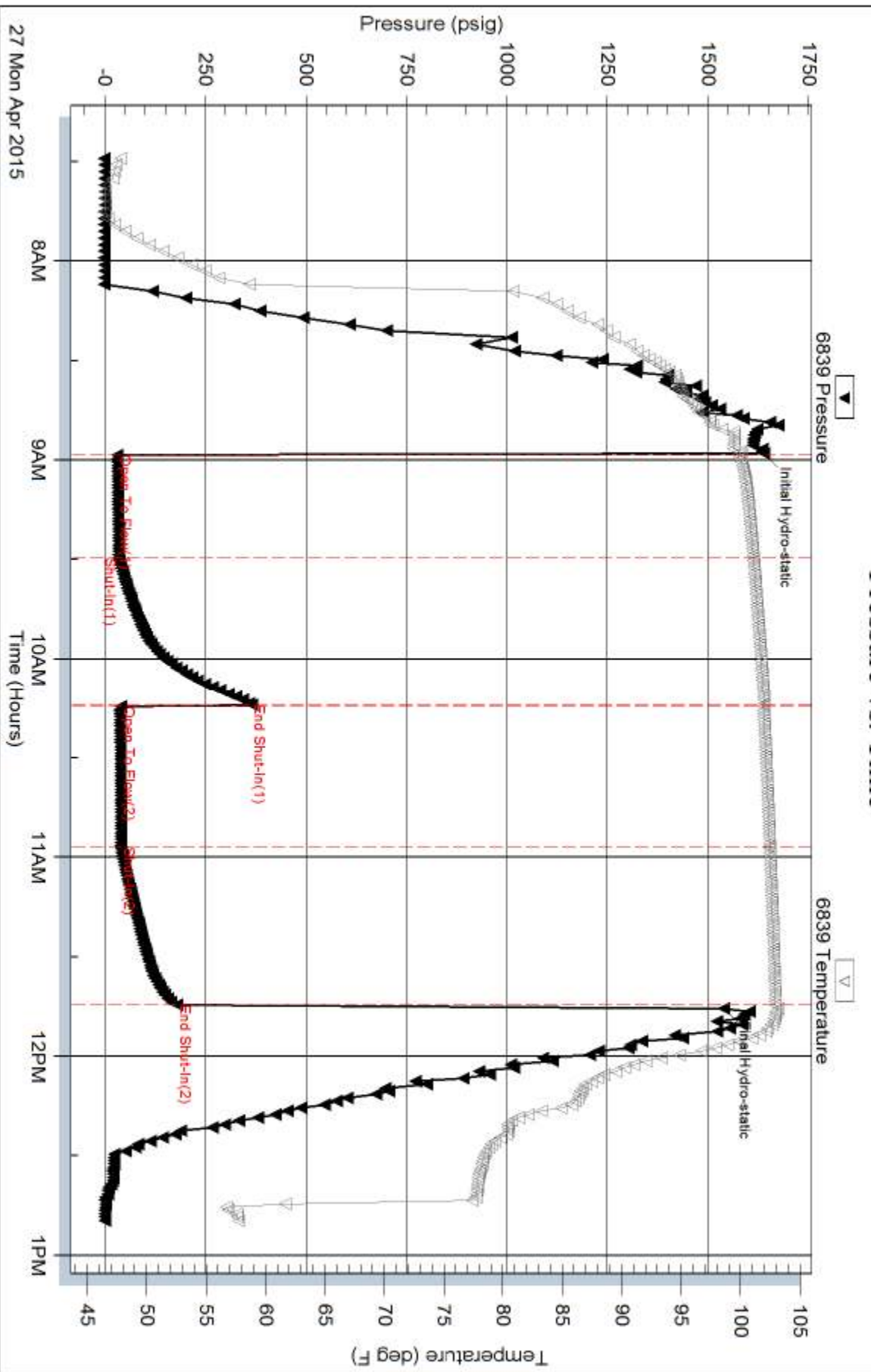
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

Home Office P.O. Box 32 Russell, KS 67665

No. 1809

Cell 785-324-1041

Date	4-29-15	Sec.	16	Twp.	23	Range	12	County	Barton	State	Ks	On Location		Finish	8:00 AM
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Lease **Zaborisky M** Well No. **1** Location **Ellinwood S to Ellinwood + Stafford BLK Top, 1S**
 Owner **3E, 1S, 2E, 1/2 N, 1/4 S**

Contractor **Southwind**
 To Quality Oilwell Cementing, Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Type Job **Plug**
 Charge To **Casino Petroleum LLC**

Hole Size **7 7/8"** T.D. **3360'**
 Csg. _____ Depth _____ Street _____

Tbg. Size **4 1/2" D.P.** Depth **3248'**
 City _____ State _____

Tool _____ Depth _____
 The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. _____ Shoe Joint _____
 Cement Amount Ordered **305 @ 140 40% Gel 1/4# Flow seal**

Meas Line _____ Displace **H2O / mud**

EQUIPMENT

Pumptrk 17	No.	Cementer Brett	Common 183
		Helper	Poz. Mix 172
Bulktrk 19	No.	Driver David	Gel. 11
		Driver	Calcium
Bulktrk p.u.	No.	Driver Rick	
		Driver	

JOB SERVICES & REMARKS

Remarks:	3248' - 50 SX	Hulls	
Rat Hole	1421' - 50 SX	Salt	
Mouse Hole	646' - 100 SX	Flowseal 72#	
Centralizers	327 - 50 SX	Kol-Seal	
Baskets	40' - 10 SX w/ plug	Mud CLR 48	
D/V or Port Collar	Mousehole - 15 SX	CFL-117 or CD110 CAF 38	
	Rathole - 30 SX	Sand	
	Cement did Circulate	Handling 3/6	
		Mileage	

FLOAT EQUIPMENT

Guide Shoe	Dry hole plug
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

Pumptrk Charge _____
 Mileage **14**
 Tax _____
 Discount _____
 Total Charge _____

X Signature *[Handwritten Signature]*

