



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1194773
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: _____

1194773

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

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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ALLIED OIL & GAS SERVICES, LLC 055159

Federal Tax I.D.# 20-5975804

PO BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Russell, Ks

DATE <u>3.12.14</u>	SEC <u>6</u>	TWP <u>11</u>	RANGE <u>16</u>	CALLED OUT	ON LOCATION	JOB START <u>6:00pm</u>	JOB FINISH <u>6:30pm</u>
Lease	WELL # <u>1</u>	LOCATION <u>Natoma Ks</u>			COUNTY <u>Russell</u>	STATE <u>Ks</u>	
OLD OR NEW (Circle one)		<u>3 1/2 S to Curve 100 Yds e S into</u>					

CONTRACTOR White Knight Drilling OWNER _____

TYPE OF JOB PTA

HOLE SIZE 7 7/8 T.D. _____ CEMENT AMOUNT ORDERED 255 sl

CASING SIZE _____ DEPTH _____ 60/40 + 41. gel + 1/4 1/4 9/16

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 DEPTH 3650

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____ COMMON 255sl @ 15.30 \$ 3,901.50

MEAS. LINE _____ SHOE JOINT _____ POZMIX _____ @ _____

CEMENT LEFT IN CSG. _____ GEL _____ @ _____

PERFS. _____ CHLORIDE _____ @ _____

DISPLACEMENT _____ ASC _____ @ _____

EQUIPMENT

PUMP TRUCK CEMENTER Jerry Hanzel

417 HELPER Danny S

BULK TRUCK _____

473 DRIVER Kevin R.

BULK TRUCK _____

_____ DRIVER _____

REMARKS:

See Cementing job log

CHARGE TO: Castle Resources

STREET _____

CITY _____ STATE _____ ZIP _____

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME _____

SIGNATURE Jerry DeGroot

Flo-Seal 55lb @ 3.70 \$ 203.50

HANDLING 255 #3 @ 2.48 \$ 632.40

MILEAGE 330 7/m @ 2.60 \$ 858.00

TOTAL \$ 5,595.90

SERVICE

DEPTH OF JOB 3650

PUMP TRUCK CHARGE \$2,483.59

EXTRA FOOTAGE @ _____

MILEAGE Heavy 60m @ 7.7 \$ 462.00

MANIFOLD 6' x 4' 30m @ 4.4 \$ 132.00

TOTAL \$ 3,077.59

PLUG & FLOAT EQUIPMENT

1x 8 5/8 water Plug @ - \$ 83.00

TOTAL \$ 83.00

SALES TAX (If Any) _____

TOTAL CHARGES \$ 8,755.99

DISCOUNT \$ 1,734.60 IF PAID IN 30 DAYS

Net 7,021.39



DRILL STEM TEST REPORT

Prepared For: **Castle Resources Inc.**

Box 87
Schoenchen KS 67667

ATTN: Jerry Green

Hachmeister #1

6-11S-15W Russell,KS

Start Date: 2014.03.10 @ 15:10:00

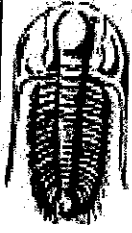
End Date: 2014.03.10 @ 21:19:30

Job Ticket #: 56910 DST #: 1

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

Printed: 2014.03.19 @ 17:35:43

Castle Resources Inc. 6-11S-15W Russell,KS Hachmeister #1 DST # 1 Toronto - LKC C 2014.03.10



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Castle Resources Inc.
 Box 87
 Schoenchen KS 67667
 ATTN: Jerry Green

6-11S-15W Russell,KS
Hachmeister #1
 Job Ticket: 56910 DST#: 1
 Test Start: 2014.03.10 @ 15:10:00

GENERAL INFORMATION:

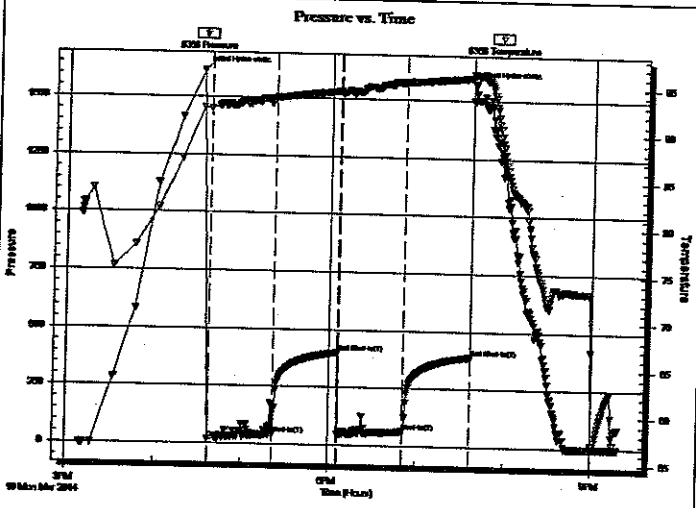
Formation: **Toronto - LKC C**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:37:00
 Time Test Ended: 21:19:30
 Interval: **3230.00 ft (KB) To 3325.00 ft (KB) (TVD)**
 Total Depth: **3325.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Royal Fisher
 Unit No: #54
 Reference Elevations: 2049.00 ft (KB)
 2044.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8368

Inside

Press@RunDepth: 62.19 psig @ 3231.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.03.10 End Date: 2014.03.10 Last Calib.: 2014.03.10
 Start Time: 15:10:05 End Time: 21:19:29 Time On Btm: 2014.03.10 @ 16:32:00
 Time Off Btm: 2014.03.10 @ 19:38:15

TEST COMMENT: 45 - IF - Surface blow built up to 1 1/4" slowly
 45 - ISI - No Return
 45 - FF - Weak Surface started after 4 mins. and built to 1 1/4"
 45 - FSI - No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1613.99	92.51	Initial Hydro-static
5	17.37	92.39	Open To Flow (1)
50	40.48	93.61	Shut-In(1)
94	401.09	94.42	End Shut-In(1)
95	43.57	94.28	Open To Flow (2)
139	62.19	95.41	Shut-In(2)
185	388.04	96.01	End Shut-In(2)
187	1568.26	96.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
103.00	Mud - 100M	1.44

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Castle Resources Inc.

6-11S-15W Russell,KS

Box 87
Schoenchen KS 67667

Hachmeister #1

Job Ticket: 56910

DST#: 1

ATTN: Jerry Green

Test Start: 2014.03.10 @ 15:10:00

Tool Information

Drill Pipe:	Length: 3233.00 ft	Diameter: 3.80 inches	Volume: 45.35 bbl	Tool Weight: 2500.00 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: 46000.00 lb
		Total Volume:	45.35 bbl	Tool Chased: 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3230.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	95.00 ft			
Tool Length:	114.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3216.00	
Hydraulic tool	5.00			3221.00	
Packer	4.00			3225.00	19.00
Packer	5.00			3230.00	Bottom Of Top Packer
Stubb	1.00			3231.00	
Recorder	0.00	6741	inside	3231.00	
Recorder	0.00	8368	inside	3231.00	
Perforations	25.00			3256.00	
Change Over Sub	1.00			3257.00	
Drill Pipe	63.00			3320.00	
Change Over Sub	1.00			3321.00	
Bullnose	4.00			3325.00	95.00
					Bottom Packers & Anchor

Total Tool Length: 114.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Castle Resources Inc.
Box 87
Schoenchen KS 67667
ATTN: Jerry Green

6-11S-15W Russell,KS
Hachmeister #1
Job Ticket: 56910 **DST#: 1**
Test Start: 2014.03.10 @ 15:10:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 56.00 sec/qt
Water Loss: 10.18 in³
Resistivity: 0.00 ohm.m
Salinity: 6000.00 ppm
Filter Cake: 1.00 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
103.00	Mud - 100M	1.445

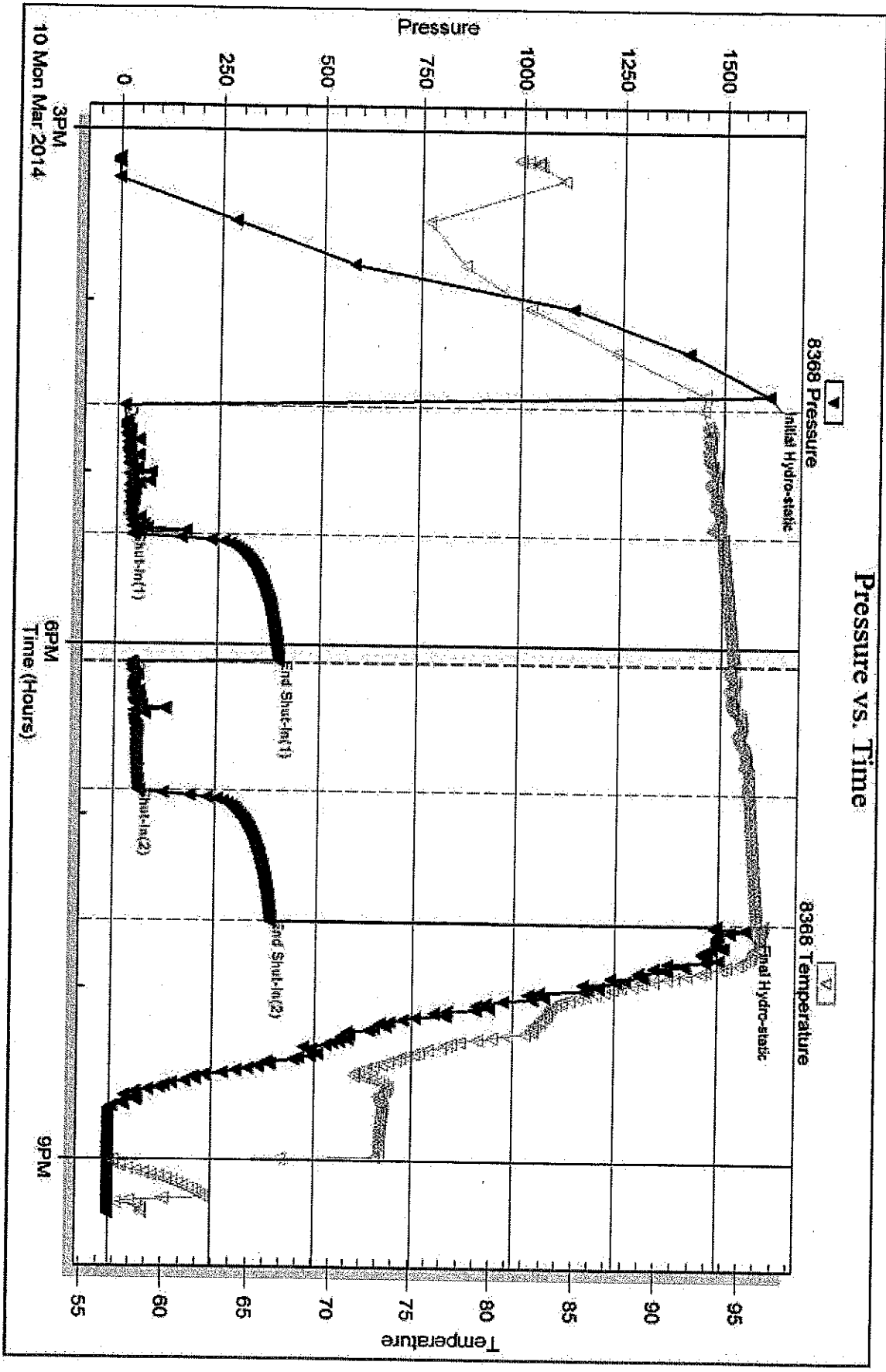
Total Length: 103.00 ft Total Volume: 1.445 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8368

Inside Castle Resources Inc.

Hachimeter #1

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 56910

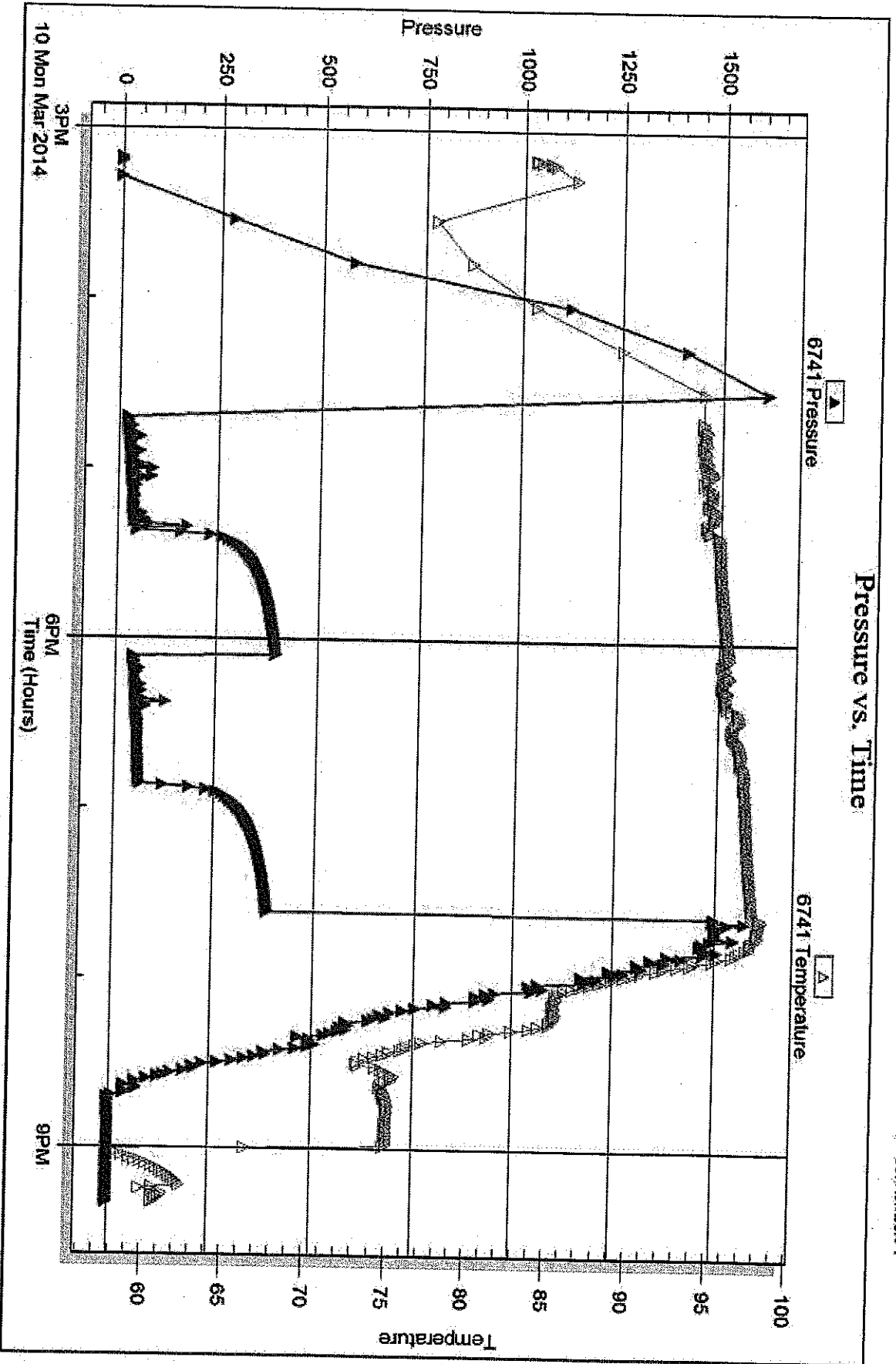
Printed: 2014.03.19 @ 17:35:45

Serial #: 6741

Inside Castle Resources Inc.

Hachmeister #1

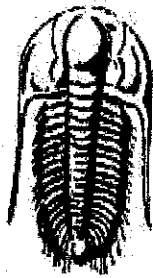
DST Test Number: 1



Tribble Testing, Inc

Ref. No: 56910

Printed: 2014.03.19 @ 17:35:45



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Castle Resources Inc.**

Box 87
Schoenchen KS 67667

ATTN: Jerry Green

Hachmeister #1

6-11S-15W Russell,KS

Start Date: 2014.03.12 @ 00:52:00

End Date: 2014.03.12 @ 11:03:00

Job Ticket #: 56911 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.03.19 @ 17:35:13

Castle Resources Inc.

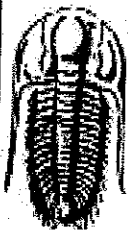
6-11S-15W Russell,KS

Hachmeister #1

DST # 2

LKC E - I

2014.03.12



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Castle Resources Inc.

6-11S-15W Russell,KS

Box 87
Schoenchen KS 67667

Hachmeister #1

Job Ticket: 56911 DST#: 2

ATTN: Jerry Green

Test Start: 2014.03.12 @ 00:52:00

GENERAL INFORMATION:

Formation: **LKC E - I**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:13:00
 Time Test Ended: 11:03:00
 Interval: **3340.00 ft (KB) To 3464.00 ft (KB) (TVD)**
 Total Depth: 3725.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Straddle (Initial)
 Tester: Royal Fisher
 Unit No: #54
 Reference Elevations: 2049.00 ft (KB)
 2044.00 ft (CF)
 KB to GR/CF: 5.00 ft

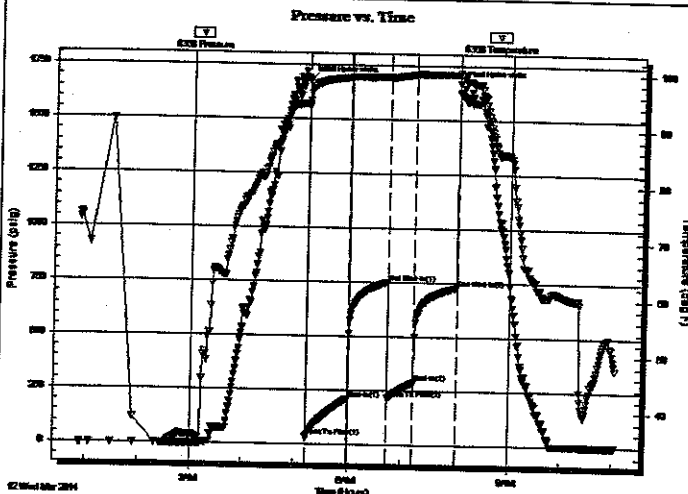
Serial #: 8368

Inside

Press@RunDepth: 289.87 psig @ 3341.00 ft (KB)
 Start Date: 2014.03.12 End Date: 2014.03.12
 Start Time: 00:52:05 End Time: 11:03:00

Capacity: 8000.00 psig
 Last Calib.: 2014.03.12
 Time On Btm: 2014.03.12 @ 05:12:45
 Time Off Btm: 2014.03.12 @ 08:01:00

TEST COMMENT: 45 - IF - Surface blow built to bottom of bucket in 6 min.
 45 - ISI - No Return
 30 - FF - Surface blow built to bottom of bucket in 25 min.
 45 - FSI - No Return



PRESSURE SUMMARY

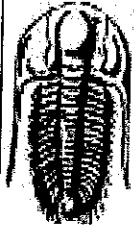
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1679.84	94.41	Initial Hydro-static
1	35.08	93.98	Open To Flow (1)
46	211.48	99.10	Shut-in(1)
91	751.91	99.24	End Shut-in(1)
91	216.65	99.01	Open To Flow (2)
121	289.87	99.76	Shut-in(2)
168	728.11	99.82	End Shut-in(2)
169	1668.60	100.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
294.00	MW - 80W - 20M - little oil on tool	4.12
293.00	WM - 30W - 70M - faint oil spots	4.11

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Castle Resources Inc.
Box 87
Schoenchen KS 67667
ATTN: Jerry Green

6-11S-15W Russell,KS
Hachmeister #1
Job Ticket: 56911 **DST#: 2**
Test Start: 2014.03.12 @ 00:52:00

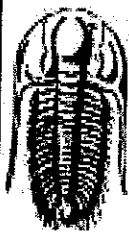
Tool Information

Drill Pipe:	Length: 3335.00 ft	Diameter: 3.80 inches	Volume: 46.78 bbl	Tool Weight: 2500.00 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: 60000.00 lb
			<u>Total Volume: 46.78 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3340.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	3464.00 ft			
Interval between Packers:	124.00 ft			
Tool Length:	411.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments: Geo wanted me on location by 8:00pm on 3-11-14 during logs.

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3325.00		
Hydraulic tool	5.00			3330.00		
Packer	5.00			3335.00	20.00	
Packer	5.00			3340.00	Bottom Of Top Packer	
Stubb	1.00			3341.00		
Recorder	0.00	8368	Inside	3341.00		
Recorder	0.00	6741	Inside	3341.00		
Perforations	23.00			3364.00		
Change Over Sub	1.00			3365.00		
Drill Pipe	94.00			3459.00		
Change Over Sub	1.00			3460.00		
Blank Off Sub	1.00			3461.00		
Stubb	3.00			3464.00	124.00	
Packer	5.00			3469.00	Tool Interval	
Stubb	1.00			3470.00		
Change Over Sub	1.00			3471.00		
Recorder	0.00	6753	Below	3471.00		
Drill Pipe	252.00			3723.00		
Change Over Sub	1.00			3724.00		
Perforations	3.00			3727.00		
Bullnose	4.00			3731.00	267.00	
Total Tool Length:					411.00	Bottom Packers & Anchor



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Castle Resources Inc.

6-11S-15W Russell, KS

Box 87
Schoenchen KS 67667

Hachmeister #1

Job Ticket: 56911

DST#: 2

ATTN: Jerry Green

Test Start: 2014.03.12 @ 00:52:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 74.00 sec/qt

Water Loss: 16.77 in³

Resistivity: 0.00 ohm.m

Salinity: 14000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: 60000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
294.00	MW - 80W - 20M - little oil on tool	4.124
293.00	WM - 30W - 70M - faint oil spots	4.110

Total Length: 587.00 ft

Total Volume: 8.234 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8368

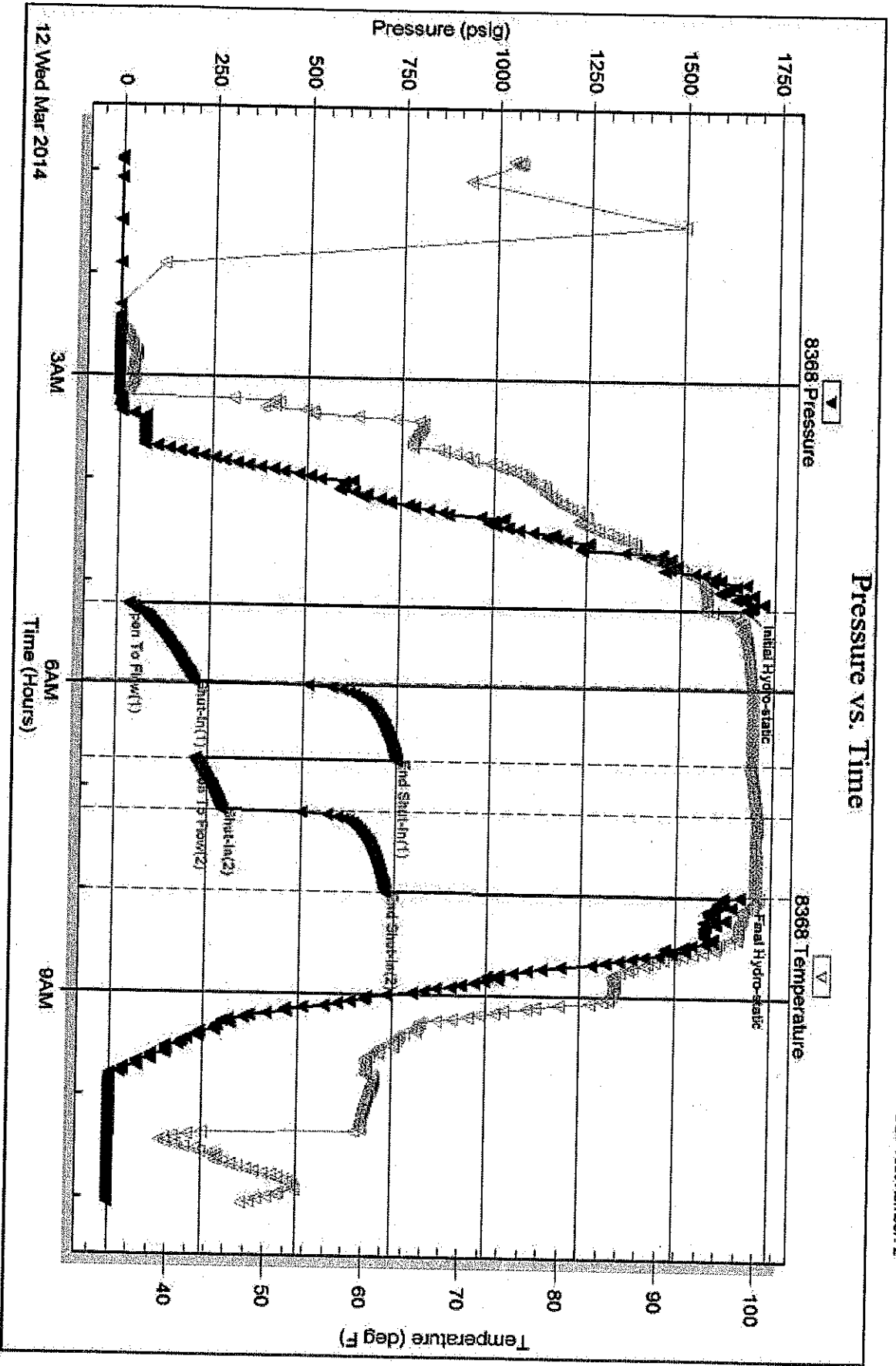
Inside

Castle Resources Inc.

Hochmeister #1

DST Test Number: 2

Pressure vs. Time

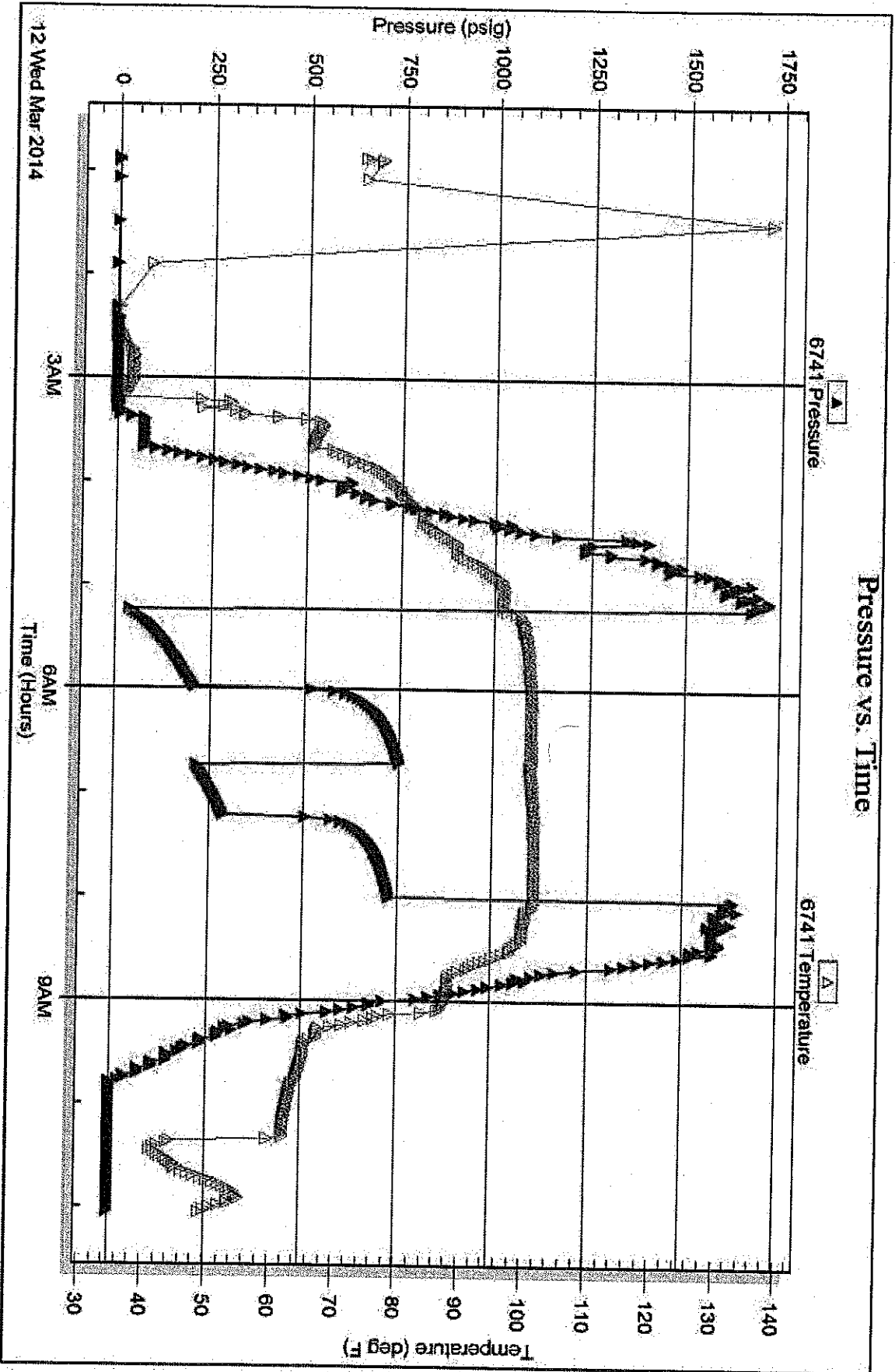


Serial #: 6741

Inside Castle Resources Inc.

Hochmeister #1

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 56911

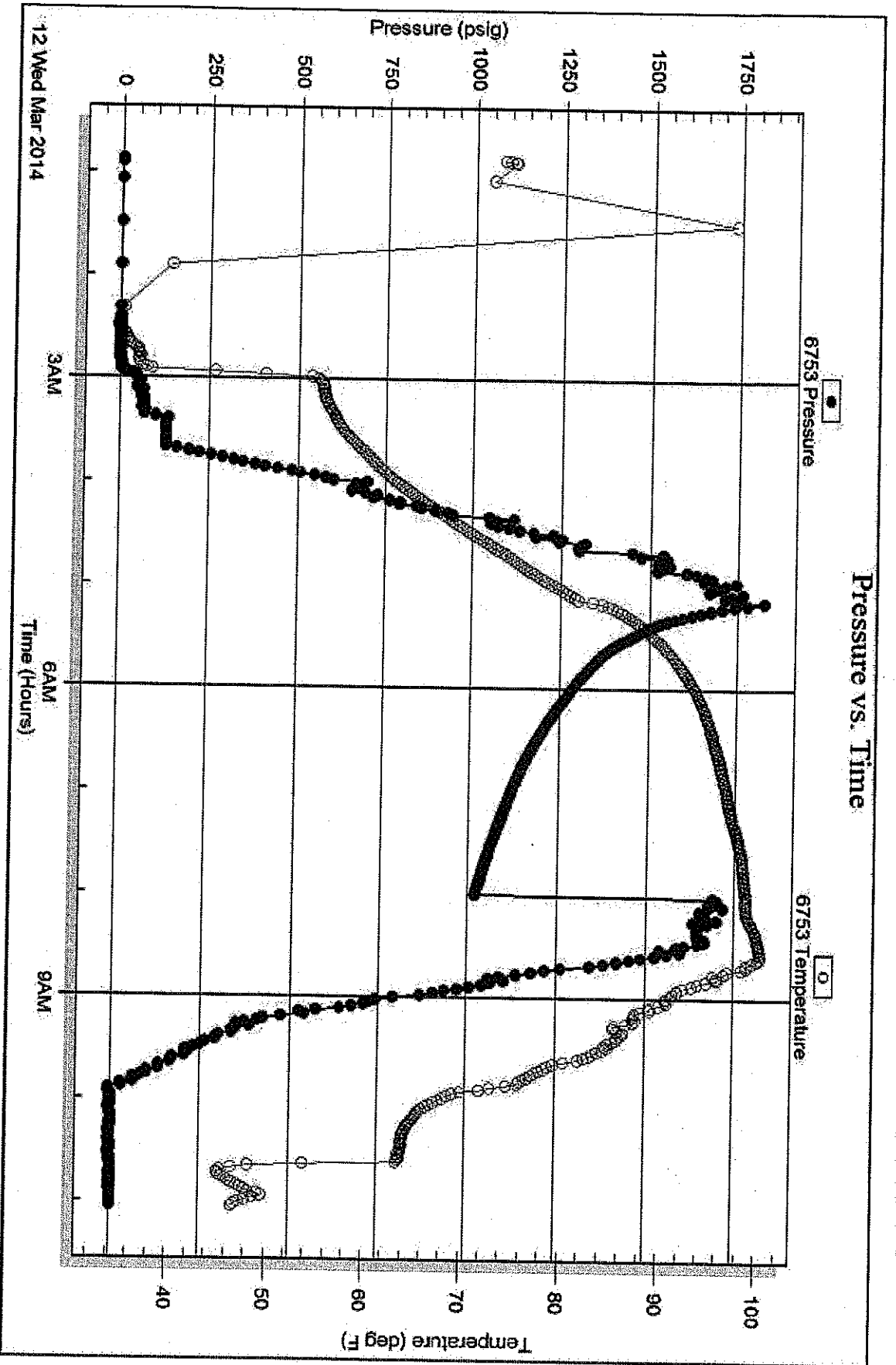
Printed: 2014.03.19 @ 17:35:15

Serial #: 6753

Below (Strabur) Resources Inc.

Heckmaster #1

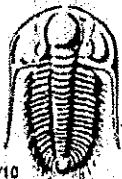
DST Test Number: 2



Tribotite Testing, Inc

Ref. No: 56911

Printed: 2014.03.19 @ 17:35:15



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 56910

Well Name & No. Hochmeister #1 Test No. 1 Date 3-10-14
 Company Castle Resources Inc. Elevation 2049 KB 2044 GL
 Address Box 87 Schenchen KS, 67667
 Co. Rep / Geo. Jerry Green Rig White Knight #1
 Location: Sec. 6 Twp. 11S Rge. 15W Co. Russell State KS

Interval Tested 3230-3325 Zone Tested Toronto - C
 Anchor Length 95' Drill Pipe Run 3233 Mud Wt. 8.9
 Top Packer Depth 3226 Drill Collars Run 0 Vis 56
 Bottom Packer Depth 3230 Wt. Pipe Run 0 WL 10.2
 Total Depth 3325 Chlorides 6,000 ppm System LCM 2 1/2 #

Blow Description IF-Surface blow built up to 1/4" slowly
ISI-No Return
FF-Weak Surface start after 4mins and built to 1/4"
FST-No Return

Rec	Feet of	%gas	%oil	%water	%mud
103	Mud			100	

Rec Total 103' BHT 96°F Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1613 Test 1150 T-On Location 2:05 pm
 (B) First Initial Flow 17 Jars _____ T-Started 3:10 pm
 (C) First Final Flow 40 Safety Joint _____ T-Open 4:36 pm
 (D) Initial Shut-In 401 Circ Sub N/C T-Pulled 7:36 pm
 (E) Second Initial Flow 43 Hourly Standby _____ T-Out 9:19 pm
 (F) Second Final Flow 62 Mileage 250 R/T 72rt 111.60 Comments _____
 (G) Final Shut-In 388 Sampler _____
 (H) Final Hydrostatic 1568 Straddle _____
 Ruined Shale Packer _____
 Ruined Packer _____

Initial Open 45 Extra Packer _____
 Initial Shut-In 45 Extra Recorder _____
 Final Flow 45 Day Standby _____
 Final Shut-In 45 Accessibility _____
 Sub Total 1511.60 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]
 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. 56911

Well Name & No. Hochmeister #1 Test No. 2 Date 3-11-14
 Company Castle Resources Inc. Elevation 2049 KB 2044 GL
 Address Box 87 Schoonchen KS 671667
 Co. Rep / Geo. Jerry Green Rig White Knight #1
 Location: Sec. 6 Twp. 11S Age. 15W Co. Russell State KS

Interval Tested 3340-3464 Zone Tested E, F, G, H, T
 Anchor Length 124' Drill Pipe Run 3335' Mud Wt. 9.1
 Top Packer Depth 3336 Drill Collars Run 0 Vis 74
 Bottom Packer Depth 3340 Wt. Pipe Run 0 WL 116.8
 Total Depth 3725 Chlorides 14000 ppm System LCM 2#
 Blow Description IF - Surface blow built to bottom of bucket in 6 min.
ISZ - No return
FF - Surface blow built to bottom of bucket in 25 min.
FST - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>293</u>	<u>WM - faint spots</u>		<u>30</u>	<u>70</u>	
<u>294</u>	<u>MW</u>		<u>80</u>	<u>20</u>	
	<u>some oil on top of tool</u>				

Rec Total 587 BHT 99°F Gravity _____ API RW 223 @ 60 °F Chlorides 14000 ppm

(A) Initial Hydrostatic 116.79 Test 1150 T-On Location 7:45 pm
 (B) First Initial Flow 35 Jars _____ T-Started 12:52 am
 (C) First Final Flow 211 Safety Joint _____ T-Open 5:13 am
 (D) Initial Shut-In 751 Circ Sub NC T-Pulled 7:58 am
 (E) Second Initial Flow 216 Hourly Standby 6h 600 T-Out 11:05 am
 (F) Second Final Flow 289 Mileage 250 R/T 111.60 Comments Geo wanted me on location at 8:00 pm
 (G) Final Shut-In 728 Sampler _____ Ruined Shale Packer _____
 (H) Final Hydrostatic 116.68 Straddle 600 Ruined Packer _____
 Shale Packer 250 Extra Packer _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 2711.60
 Accessibility _____ MP/DST Disc't _____
 Sub Total 2711.60

Approved By _____ Our Representative [Signature]
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