

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**ORIGINAL**

Form ACO-1  
June 2009  
Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # 9860  
Name: Castle Resources Inc.  
Address 1: PO Box 87  
Address 2: \_\_\_\_\_  
City: Schoenchen State: KS Zip: 67667 + \_\_\_\_\_  
Contact Person: Jerry Green  
Phone: ( 785 ) 625-5155  
CONTRACTOR: License # 34432  
Name: Falcon Drilling LLC  
Wellsite Geologist: Jerry Green  
Purchaser: MV Purchasing

Designate Type of Completion:  
 New Well     Re-Entry     Workover  
 Oil     WSW     SWD     SLOW  
 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  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_  
10/6/10    10/12/10  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 053-21250-00-00  
Spot Description: \_\_\_\_\_  
S/2 NW SE SW Sec. 23 Twp. 17 S. R. 9  East  West  
830 Feet from  North /  South Line of Section  
1,650 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Ellsworth  
Lease Name: Rolfs Well #: 1  
Field Name: Lorraine  
Producing Formation: \_\_\_\_\_  
Elevation: Ground: 1770 Kelly Bushing: 1778  
Total Depth: 3400 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 248 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: 10,000 ppm Fluid volume: 300 bbls  
Dewatering method used: allowed to dry and backfill  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

**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.  
Signature: \_\_\_\_\_  
Title: President Date: 5-3-11

**KCC Office Use ONLY**  
**RECEIVED**  
 Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: MAY 04 2011  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: Dg Date: 7/6/11  
**KCC WICHITA**

Operator Name: Castle Resources Inc. Lease Name: Rolfs Well #: 1  
 Sec. 23 Twp. 17 S. R. 9  East  West County: Ellsworth

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: Compensated Density Neutron Micro Resistivity Dual Induction	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Topeka</td> <td>2457</td> <td>-687</td> </tr> <tr> <td>Heebner</td> <td>2720</td> <td>-942</td> </tr> <tr> <td>Lansing-KC</td> <td>2856</td> <td>-1078</td> </tr> <tr> <td>Simpson Sand</td> <td>3186</td> <td>-1408</td> </tr> <tr> <td>Arbuckle</td> <td>3192</td> <td>-1414</td> </tr> <tr> <td>RTD</td> <td>3397</td> <td>-1619</td> </tr> </table>	Name	Top	Datum	Topeka	2457	-687	Heebner	2720	-942	Lansing-KC	2856	-1078	Simpson Sand	3186	-1408	Arbuckle	3192	-1414	RTD	3397	-1619
Name	Top	Datum																				
Topeka	2457	-687																				
Heebner	2720	-942																				
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Simpson Sand	3186	-1408																				
Arbuckle	3192	-1414																				
RTD	3397	-1619																				

CASING RECORD <input checked="" 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
surface	12 1/4"	8 5/8"	24#	248	60/40	165	3% CC 2% Gel
production		5 1/2"	14#	3375	standard	200	flocele, calseal

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				

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
4	3261-65		
	bridge plug 3250		
4	3192-94	5000 12% HCL	
4	3049-53	500 gallons 15% HCL	

TUBING RECORD: Size: <u>2 7/8"</u>		Set At: <u>3180</u>	Packer At: <u>none</u>	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR.		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____		
Estimated Production Per 24 Hours	Oil Bbls. <u>5</u>	Gas Mcf	Water Bbls. <u>50</u>	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 checked="" 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 (Specify) _____	PRODUCTION INTERVAL: <u>3192-94</u> <u>3049-53</u> <b>RECEIVED</b>
---	--	--

# ALLIED CEMENTING CO., LLC. 041957

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

*Russell*

DATE <u>10-6-10</u>	SEC. <u>23</u>	TWP. <u>17s</u>	RANGE <u>9w</u>	CALLED OUT	ON LOCATION	JOB START 2:00 PM	JOB FINISH 2:30 PM
LEASE <u>ROLES</u>	WELL # <u>1</u>	LOCATION <u>Lorraine Ks. 1s 1 1/2 E 1/4 N</u>		COUNTY <u>Ellsworth</u>	STATE <u>Kansas</u>		

OLD OR  NEW (Circle one)

CONTRACTOR Falcon D&G, Inc #

TYPE OF JOB Cement Surface CSG.

HOLE SIZE 12 1/4 T.D. 253

CASING SIZE 8 7/8 DEPTH 248

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 15

PERFS. \_\_\_\_\_

DISPLACEMENT 14 @ / BBL

EQUIPMENT \_\_\_\_\_

OWNER \_\_\_\_\_

CEMENT AMOUNT ORDERED 165 sk x 60/40

38 cc

270 GEL

COMMON	<u>100</u>	@	<u>13.50</u>	<u>1350.00</u>
POZMIX	<u>65</u>	@	<u>7.55</u>	<u>490.75</u>
GEL	<u>3</u>	@	<u>20.25</u>	<u>60.75</u>
CHLORIDE	<u>5</u>	@	<u>51.50</u>	<u>257.50</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>165</u>	@	<u>2.35</u>	<u>371.75</u>
MILEAGE	<u>.104/sk/mile</u>			<u>495.00</u>
				TOTAL <u>3025.25</u>

PUMP TRUCK CEMENTER Grant

# 417 HELPER Heath

BULK TRUCK

# 378 DRIVER Brad

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:  
Ran 6 JTS used # 8 7/8 CSG.  
Set @ 248

Cement did circulate  
to surface

THANKS

SERVICE

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE \_\_\_\_\_ 99.00

EXTRA FOOTAGE @ \_\_\_\_\_

MILEAGE 30 @ 7.00 210.00

MANIFOLD @ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

TOTAL 120.00

CHARGE TO: Castle Resources

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

To Allied Cementing Co., 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 Robert W. M

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

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KCC WICHITA



CHARGE TO: **CASTLE RESOURCES**  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

RECEIVED  
 MAY 04 2011  
 WICHITA

TICKET 19085  
 PAGE 1 OF 2

SERVICE LOCATIONS: 1. **NESS CITY, KS.**  
 WELL/PROJECT NO.: **ROLFS #1**  
 LEASE: **ELLSWORTH**  
 COUNTY/PARISH: **KS.**  
 STATE: **KS.**  
 CITY: **LORRAINE, KS.**  
 DATE: **13 OCT 10**  
 OWNER:  
 TICKET TYPE:  SERVICE  SALES  
 CONTRACTOR: **FALCON DRILLING.**  
 RIG NAME/NO.:  
 SHIPPED VIA: **LOCATION**  
 DELIVERED TO:  
 ORDER NO.:  
 WELL TYPE: **OIL**  
 WELL CATEGORY: **DEVELOPMENT**  
 JOB PURPOSE: **5 1/2 LONGSTRING**  
 WELL PERMIT NO.:  
 WELL LOCATION: **151 1/4 E, N 11 W 10**  
 REFERRAL LOCATION: INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE #110	70	MIL			5.00	350.00
578		1			PUMP CHARGE	1	JOB	3400	FT	1400.00	1400.00
402		1			CENTRALIZERS	5	EA.			55.00	275.00
403		1			CEMENT BASKET	1	EA.			200.00	200.00
406		1			LATCH DOWN PLUG & BAFFLE	1	EA.			225.00	225.00
407		1			INSERT FLOAT SHOE W/ AUTO FILL	1	EA.			275.00	275.00
281		1			MUD FLUSH	500	GRZ			1.00	500.00
221		1			LIQUID KAL	2	BARL			25.00	50.00
290		1			D-AIR	2	BARL			35.00	70.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS  
 X *Jeff Campbell* *Castle Resources*  
 DATE SIGNED: **13 OCT 10** TIME SIGNED: **1615**  A.M.  P.M.

REMIT PAYMENT TO:  
 SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE 1	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				PAGE TOTAL	3345.00
WE UNDERSTOOD AND MET YOUR NEEDS?				PAGE 2	4304.57
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				sub total	7649.57
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Ellsworth TAX 7.3%	3.55.51
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	8005.08
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					



PO Box 466.  
Ness City, KS 67560  
Off: 785-798-2300

### TICKET CONTINUATION

TICKET No. **19085**

CUSTOMER **CASTLE RESOURCES** WELL **ROLES #1** DATE **13 OCT 10** PAGE **2** OF **2**

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		UNIT PRICE		AMOUNT	
		LOC	ACCT	DF			QTY.	U/M	QTY.	U/M	QTY.	U/M
276		1				FLOCELE	50	lbs	1	50	75	00
283		1				SALT	1000	lbs		15	150	00
284		1				CALSEAL	9	sk	900	lbs.	30	00
285		1				CFR-1	95	lbs	4	10	380	00
325		1				STANDARD CEMENT	200	sk	12	00	2400	00
581		1				SERVICE CHARGE		CUBIC FEET	200	sk	300	00
583		1				MILEAGE CHARGE		TOTAL WEIGHT	90875			
						LOADED MILES		70				
						TON MILES		729.57				
CONTINUATION TOTAL											4304	57

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KOC WICHITA

JOB LOG

SWIFT Services, Inc.

DATE 13 OCT 10 PAGE NO. 1

CUSTOMER CASTLE RESOURCES

WELL NO.

LEASE ROLFS # 1

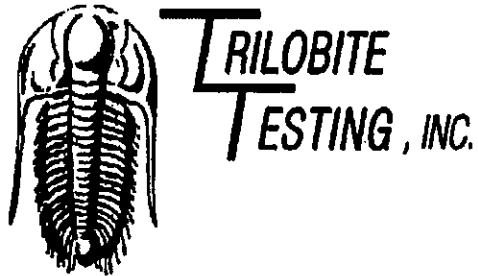
JOB TYPE 5 1/2 LONGSTRING

TICKET NO. 19D85

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1200							ON LOCATION
	1220							START PIPE 5 1/2 #14
								RTD @ 3400 SET @ 3375
								SHOE JT. 13.79
								CENTRALIZERS, 1, 6, 8, 12, 17
								BASKET 7
	1357							DROP BALL CIRCULATE.
	1456	6	12		✓		200	Pump 500 gal MUD FLUSH
	1458	6	20		✓		200	Pump 20 Bbl KCL FLUSH
	1505		7					PLUG RH (30SX)
	1508	4	41		✓		200	MIX CEMENT 170 SX EA 2 @ 15.5 PPG.
	1520							WASH OUT PUMPING LINES.
	1524							RELEASE PLUG.
	1526	6			✓		200	START DISPLACEMENT 7000 HFT.
	1540	0	82		✓		1500	PLUG DOWN PRESSURE UP LATCH PLUG IN
	1542							RELEASE PRESSURE - DRY
	1545							WASH TRUCK
	1615							JOB COMPLETE
								THANKS # 110
								JASON JEFF BOB

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MAY 04 2011

KCC WIGHTA



## DRILL STEM TEST REPORT

Prepared For: **Castle Resources, Inc>**

PO Box 87  
Schoenchen, KS 67667

ATTN: Jerry Green

**23 17 9 Ellsworth KS**

**Rolf #1**

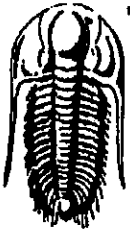
Start Date: 2010.10.11 @ 00:20:33

End Date: 2010.10.11 @ 07:03:33

Job Ticket #: 39019                      DST #: 1

Trilobite Testing, Inc  
PO Box 1733 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

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**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Castle Resources, Inc >  
PO Box 87  
Schoenchen, KS 67667  
ATTN: Jerry Green

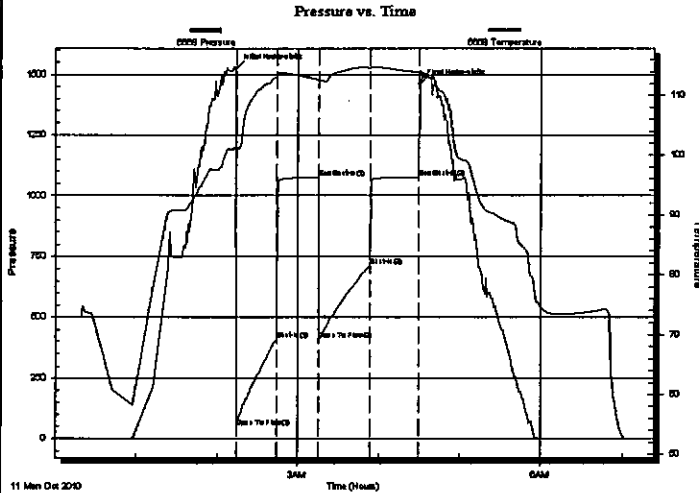
**Rolf #1**  
**23 17 9 Ellsworth KS**  
Job Ticket: 39019      **DST#: 1**  
Test Start: 2010.10.11 @ 00:20:33

## GENERAL INFORMATION:

Formation: **Simpson/Arbuckle**  
Deviated: **No Whipstock**      ft (KB)      Test Type: **Conventional Bottom Hole**  
Time Tool Opened: **02:14:33**      Tester: **Jason McLemore**  
Time Test Ended: **07:03:33**      Unit No: **54**  
Interval: **3140.00 ft (KB) To 3206.00 ft (KB) (TVD)**      Reference Elevations: **1777.00 ft (KB)**  
Total Depth: **3206.00 ft (KB) (TVD)**      **1770.00 ft (CF)**  
Hole Diameter: **7.80 inches** Hole Condition: **Good**      KB to GR/CF: **7.00 ft**

**Serial #: 6668**      Inside  
Press@RunDepth: **713.20 psig @ 3175.00 ft (KB)**      Capacity: **8000.00 psig**  
Start Date: **2010.10.11**      End Date: **2010.10.11**      Last Calib.: **2010.10.11**  
Start Time: **00:20:35**      End Time: **07:03:33**      Time On Btm: **2010.10.11 @ 02:14:03**  
Time Off Btm: **2010.10.11 @ 04:30:03**

**TEST COMMENT:** IFF-Strong, BOB in 2Min.  
ISI-Dead  
FFP-Strong, BOB in 3 Min.  
FSI-Dead



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1525.95	101.31	Initial Hydro-static
1	47.92	100.87	Open To Flow (1)
30	410.15	113.06	Shut-In(1)
62	1072.30	112.70	End Shut-In(1)
62	408.38	112.43	Open To Flow (2)
100	713.20	114.65	Shut-In(2)
136	1074.13	113.85	End Shut-In(2)
136	1461.57	114.10	Final Hydro-static

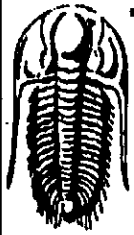
## Recovery

Length (ft)	Description	Volume (bbl)
1560.00	Muddy Water/Oil Scum	21.36

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Castle Resources, Inc>  
PO Box 87  
Schoenchen, KS 67667  
ATTN: Jerry Green

**Rolf #1**  
**23 17 9 Ellsworth KS**  
Job Ticket: 39019      DST#: 1  
Test Start: 2010.10.11 @ 00:20:33

**Tool Information**

Drill Pipe:	Length: 3088.00 ft	Diameter: 3.80 inches	Volume: 43.32 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: 25000.00 lb
Drill Collar:	Length: 57.00 ft	Diameter: 2.25 inches	Volume: 0.28 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 43.60 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3140.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	66.00 ft			
Tool Length:	87.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

**Tool Description**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3120.00	
Shut In Tool	5.00			3125.00	
Hydraulic tool	5.00			3130.00	
Packer	5.00			3135.00	21.00      Bottom Of Top Packer
Packer	5.00			3140.00	
Stubb	1.00			3141.00	
Perforations	1.00			3142.00	
Change Over Sub	1.00			3143.00	
Blank Spacing	31.00			3174.00	
Change Over Sub	1.00			3175.00	
Recorder	0.00	6668	Inside	3175.00	
Recorder	0.00	8360	Outside	3175.00	
Perforations	28.00			3203.00	
Bullnose	3.00			3206.00	66.00      Bottom Packers & Anchor

**Total Tool Length: 87.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Castle Resources, Inc>  
PO Box 87  
Schoenchen, KS 67667  
ATTN: Jerry Green

**Rolf #1**  
**23 17 9 Ellsworth KS**  
Job Ticket: 39019      **DST#: 1**  
Test Start: 2010.10.11 @ 00:20:33

**Mud and Cushion Information**

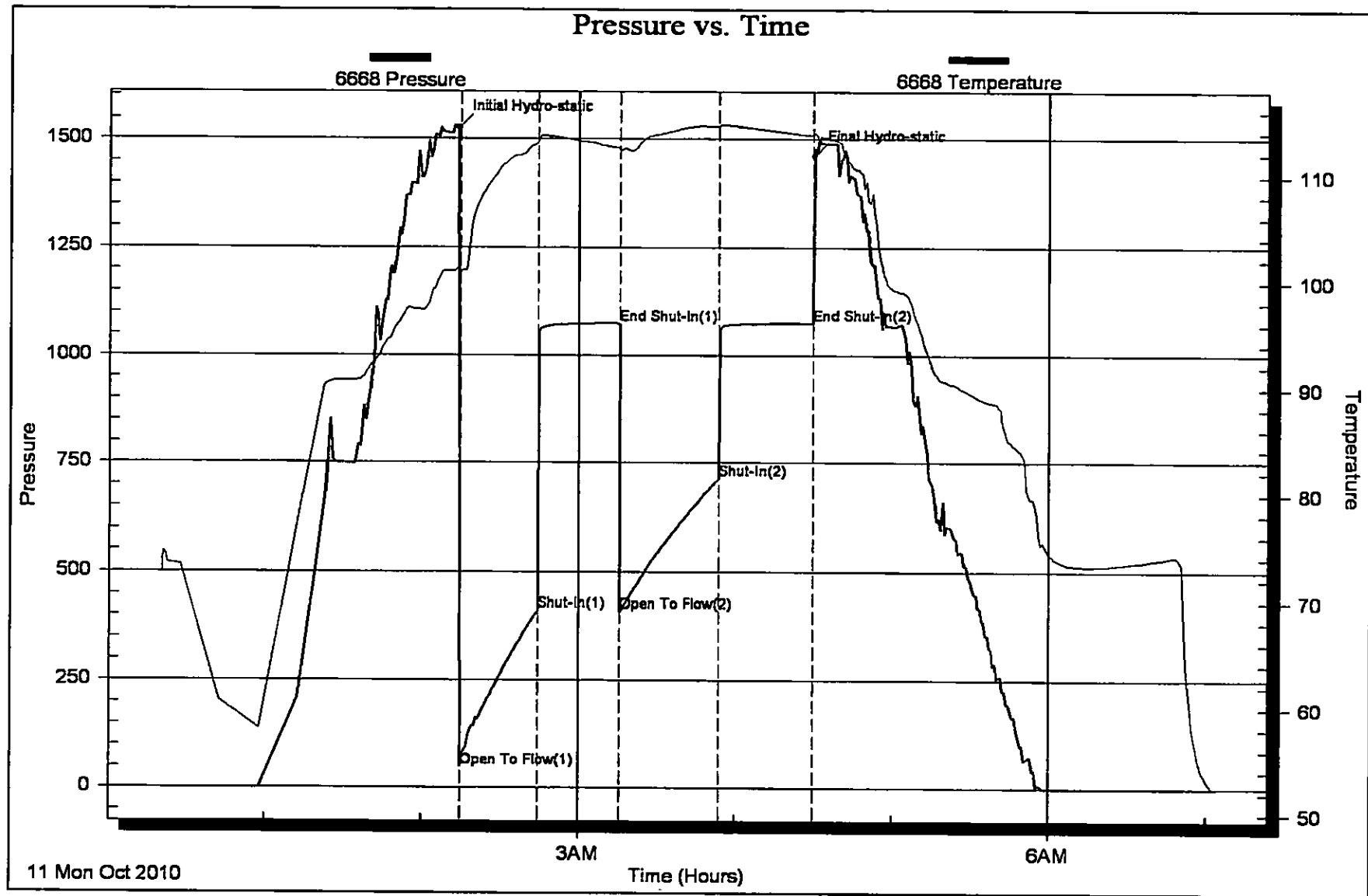
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	8800 ppm
Viscosity: 43.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.74 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3400.00 ppm			
Filter Cake: inches			

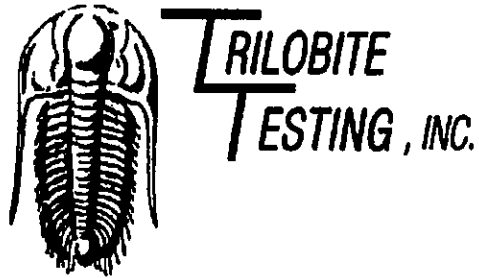
**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
1560.00	Muddy Water/W/Oil Scum	21.363

Total Length: 1560.00 ft      Total Volume: 21.363 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: RW .896 @ 55F = 8800 ppm chlorides





## DRILL STEM TEST REPORT

Prepared For: **Castle Resources, Inc>**

PO Box 87  
Schoenchen, KS 67667

ATTN: Jerry Green

**23 17 9 Ellsworth KS**

**Rolf #1**

Start Date: 2010.10.11 @ 23:18:33

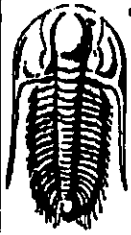
End Date: 2010.10.12 @ 07:13:03

Job Ticket #: 39020                      DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Castle Resources, Inc >

Rolf #1

PO Box 87  
Schoenchen, KS 67667

23 17 9 Ellsworth KS

Job Ticket: 39020 DST#: 2

ATTN: Jerry Green

Test Start: 2010.10.11 @ 23:18:33

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: **No Whipstock** ft (KB)  
 Time Tool Opened: 02:45:18  
 Time Test Ended: 07:13:03

Test Type: **Conventional Straddle**  
 Tester: **Jason McLemore**  
 Unit No: **54**

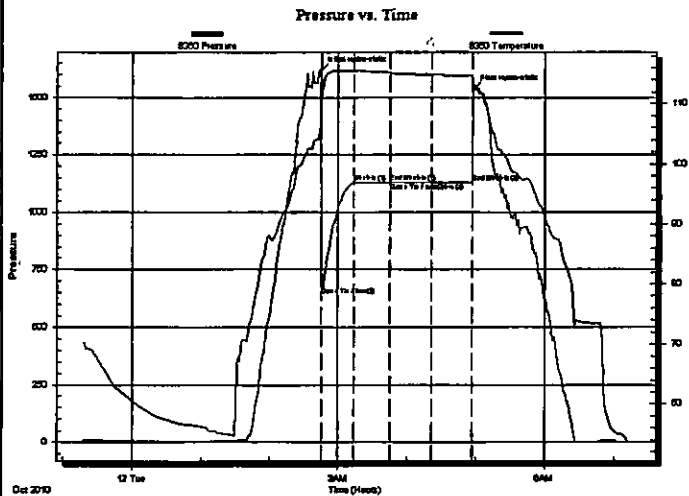
Interval: **3250.00 ft (KB) To 3268.00 ft (KB) (TVD)**  
 Total Depth: **3397.00 ft (KB) (TVD)**  
 Hole Diameter: **7.80 inches** Hole Condition: **Good**

Reference Elevations: **1777.00 ft (KB)**  
**1770.00 ft (CF)**  
 KB to GR/CF: **7.00 ft**

Serial #: **8360** Inside  
 Press@RunDepth: **1131.19 psig @ 3252.00 ft (KB)**  
 Start Date: **2010.10.11** End Date: **2010.10.12**  
 Start Time: **23:18:35** End Time: **07:13:03**

Capacity: **8000.00 psig**  
 Last Calib.: **2010.10.12**  
 Time On Btm: **2010.10.12 @ 02:44:48**  
 Time Off Btm: **2010.10.12 @ 04:57:18**

TEST COMMENT: **IFP-Strong, BOB in 30 Seconds**  
**ISI-Dead**  
**FFP-Dead**  
**FSI-Dead**



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1617.25	106.22	Initial Hydro-static
1	640.05	106.05	Open To Flow (1)
29	1128.06	115.42	Shut-In(1)
61	1130.89	115.25	End Shut-In(1)
61	1129.54	115.25	Open To Flow (2)
97	1131.19	114.87	Shut-In(2)
132	1131.25	114.67	End Shut-In(2)
133	1537.49	113.83	Final Hydro-static

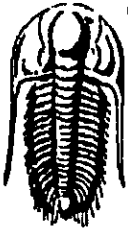
## Recovery

Length (ft)	Description	Volume (bbl)
2580.00	Muddy Water-90%W-10%M	35.67

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Castle Resources, Inc>

**Rolf #1**

PO Box 87  
Schoenchen, KS 67667

**23 17 9 Ellsworth KS**

Job Ticket: 39020

**DST#: 2**

ATTN: Jerry Green

Test Start: 2010.10.11 @ 23:18:33

### Tool Information

Drill Pipe:	Length: 3182.00 ft	Diameter: 3.80 inches	Volume: 44.64 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: 25000.00 lb
Drill Collar:	Length: 57.00 ft	Diameter: 2.25 inches	Volume: 0.28 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 44.92 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3250.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	3268.00 ft			
Interval between Packers:	18.00 ft			
Tool Length:	168.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3230.00	
Shut In Tool	5.00			3235.00	
Hydraulic tool	5.00			3240.00	
Packer	5.00			3245.00	21.00 Bottom Of Top Packer
Packer	5.00			3250.00	
Stubb	1.00			3251.00	
Perforations	1.00			3252.00	
Recorder	0.00	8360	Inside	3252.00	
Recorder	0.00	6668	Outside	3252.00	
Perforations	12.00			3264.00	
Blank Off Sub	1.00			3265.00	
Blank Spacing	3.00			3268.00	18.00 Tool Interval
Packer	1.00			3269.00	
Recorder	0.00	6755	Below	3269.00	
Change Over Sub	1.00			3270.00	
Blank Spacing	123.00			3393.00	
Change Over Sub	1.00			3394.00	
Bullnose	3.00			3397.00	129.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>168.00</b>				



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Castle Resources, Inc>

Rolf #1

PO Box 87  
Schoenchen, KS 67667

23 17 9 Ellsworth KS

Job Ticket: 39020

DST#: 2

ATTN: Jerry Green

Test Start: 2010.10.11 @ 23:18:33

**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:

14000 ppm

Viscosity: 43.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.15 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7200.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbf
2580.00	Muddy Water-90%W-10%M	35.671

Total Length: 2580.00 ft

Total Volume: 35.671 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

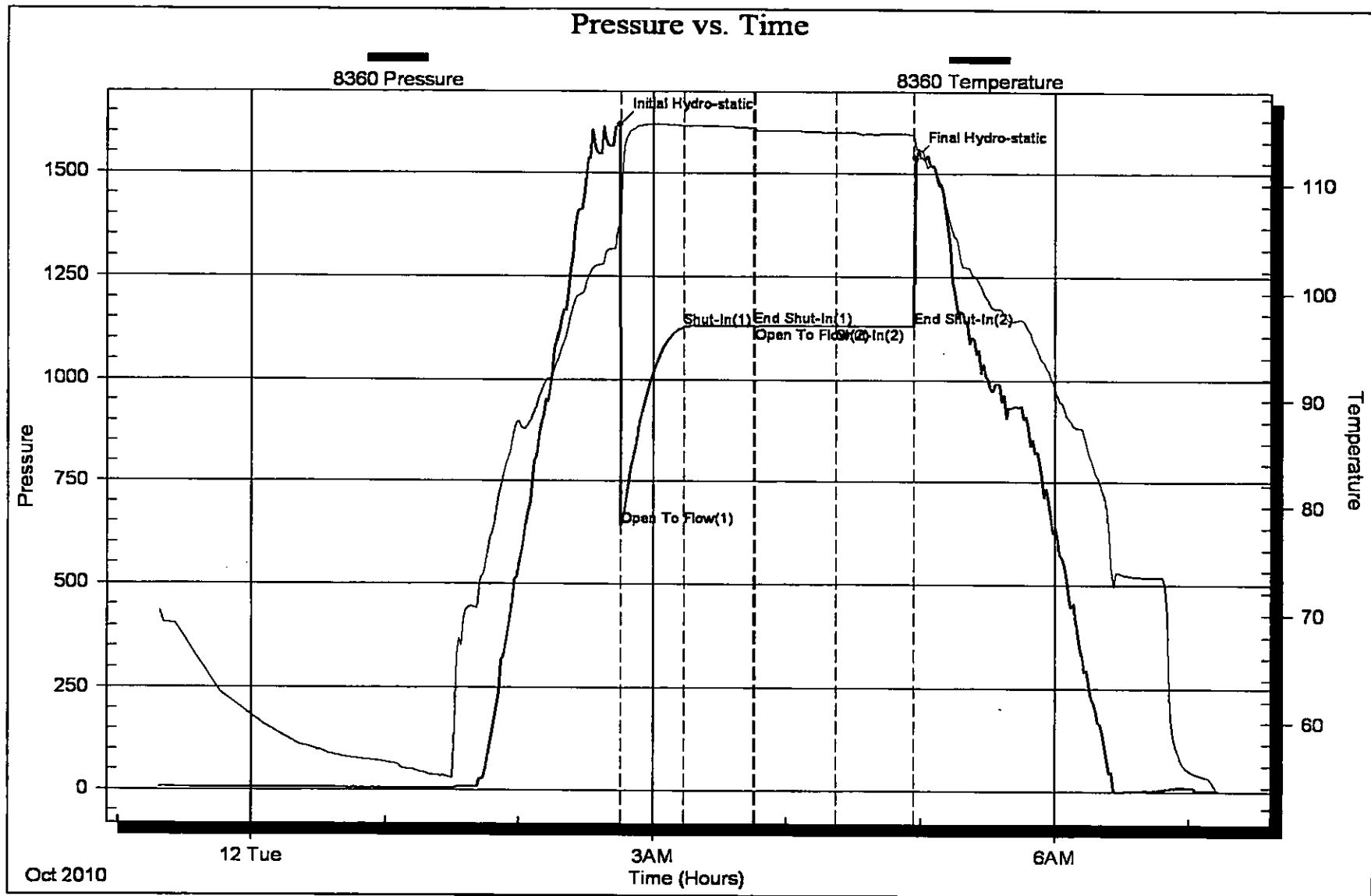
Serial #:

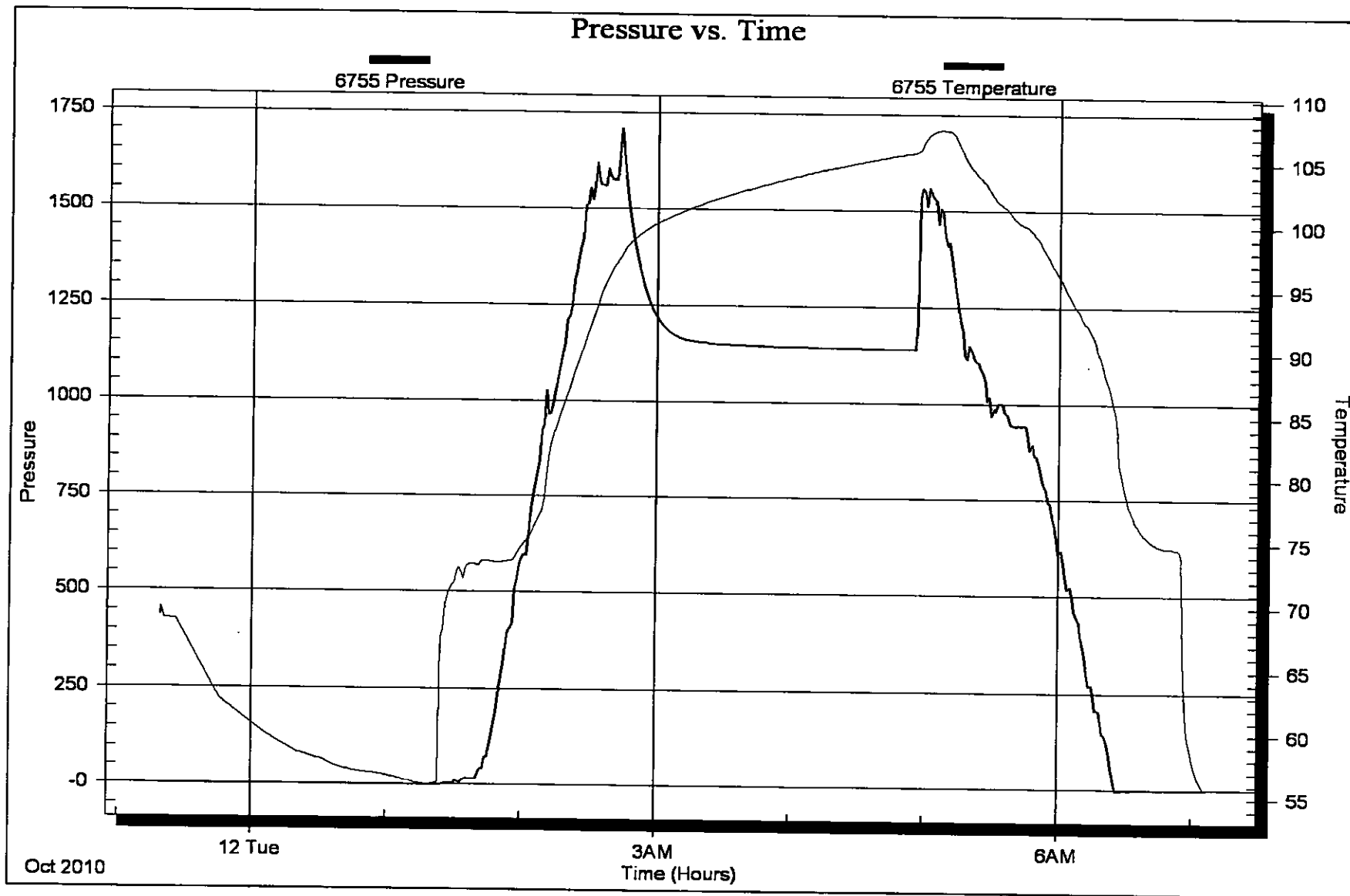
Laboratory Name:

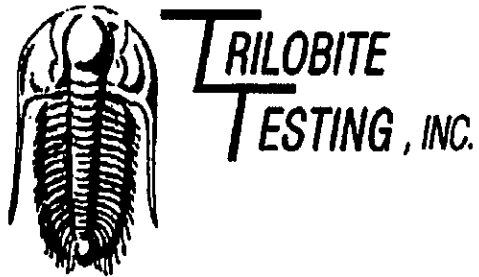
Laboratory Location:

Recovery Comments: RW .537 @ 57F = 14000 ppm chlorides









## DRILL STEM TEST REPORT

Prepared For: **Castle Resources, Inc>**

PO Box 87  
Schoenchen, KS 67667

ATTN: Jerry Green

**23 17 9 Ellsworth KS**

**Rolf #1**

Start Date: 2010.10.12 @ 12:29:55

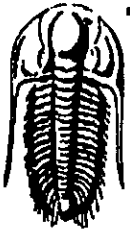
End Date: 2010.10.12 @ 17:54:19

Job Ticket #: 40311                      DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Castle Resources, Inc>  
PO Box 87  
Schoenchen, KS 67667  
ATTN: Jerry Green

**Roll #1**  
**23 17 9 Ellsworth KS**  
Job Ticket: 40311      **DST#: 3**  
Test Start: 2010.10.12 @ 12:29:55

## GENERAL INFORMATION:

Formation:

Deviated:      No      Whipstock:      ft (KB)

Time Tool Opened:

Time Test Ended: 17:54:19

Test Type: Conventional Straddle

Tester: Brian Fairbank

Unit No: 41

Interval: 3030.00 ft (KB) To 3060.00 ft (KB) (TVD)

Total Depth: 3397.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1777.00 ft (KB)

1770.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8647      Inside

Press@RunDepth:      psig @ 3035.00 ft (KB)

Start Date: 2010.10.12

End Date: 2010.10.12

Capacity: 8000.00 psig

Last Calib.: 1899.12.30

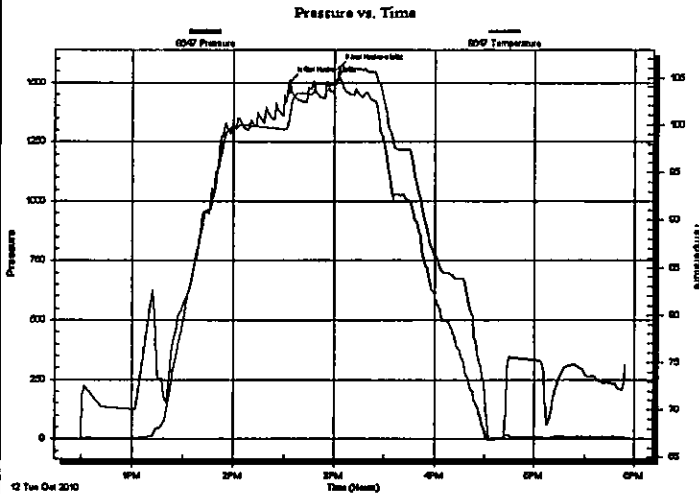
Start Time: 12:29:55

End Time: 17:54:19

Time On Btm: 2010.10.12 @ 14:33:50

Time Off Btm: 2010.10.12 @ 15:02:20

TEST COMMENT: IFF - PACKER FAILURE  
ISI -  
FFP -  
FSI -



## PRESSURE SUMMARY

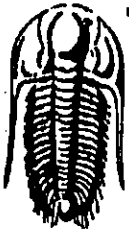
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1506.05	101.15	Initial Hydro-static
29	1560.93	104.82	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)

## Gas Rates

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



**TRILOBITE TESTING, INC**

**DRILL STEM TEST REPORT**

Castle Resources, Inc>

Rolf #1

PO Box 87  
Schoenchen, KS 67667

23 17 9 Ellsworth KS

Job Ticket: 40311

DST#: 3

ATTN: Jerry Green

Test Start: 2010.10.12 @ 12:29:55

**GENERAL INFORMATION:**

Formation:

Deviated: No Whipstock ft (KB)

Time Tool Opened:

Time Test Ended: 17:54:19

Test Type: Conventional Straddle

Tester: Brian Fairbank

Unit No: 41

Interval: 3030.00 ft (KB) To 3060.00 ft (KB) (TVD)

Total Depth: 3397.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1777.00 ft (KB)

1770.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8372 Below (Straddle)

Press@RunDepth: psig @ 3079.00 ft (KB)

Start Date: 2010.10.12

End Date:

2010.10.12

Capacity: 8000.00 psig

Last Calib.:

1899.12.30

Start Time: 12:29:07

End Time:

17:54:01

Time On Btrr:

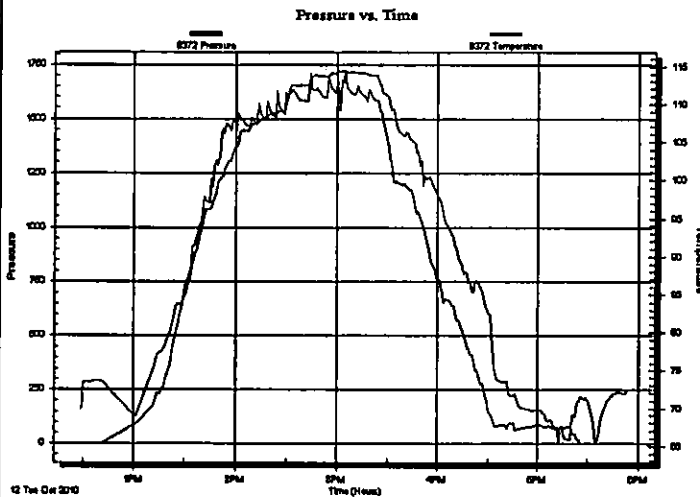
Time Off Btrr:

TEST COMMENT: IFP - PACKER FAILURE

ISI -

FFP -

FSI -



**PRESSURE SUMMARY**

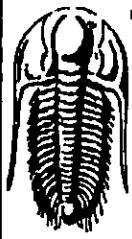
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

**Recovery**

Length (ft)	Description	Volume (bbi)

**Gas Rates**

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Castle Resources, Inc >  
PO Box 87  
Schoenchen, KS 67667  
ATTN: Jerry Green

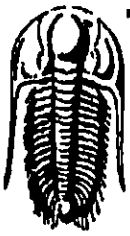
**Roll #1**  
**23 17 9 Ellsworth KS**  
Job Ticket: 40311      **DST#: 3**  
Test Start: 2010.10.12 @ 12:29:55

**Tool Information**

Drill Pipe:	Length: 3036.00 ft	Diameter: 3.80 inches	Volume: 42.59 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: lb
			<u>Total Volume: 42.59 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial lb
Depth to Top Packer:	3030.00 ft			Final lb
Depth to Bottom Packer:	3060.00 ft			
Interval between Packers:	30.00 ft			
Tool Length:	399.00 ft			
Number of Packers:	3	Diameter:	6.75 inches	

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3008.00	
Hydraulic tool	5.00			3013.00	
Jars	5.00			3018.00	
Safety Joint	2.00			3020.00	
Packer	5.00			3025.00	27.00      Bottom Of Top Packer
Packer	5.00			3030.00	
Stubb	1.00			3031.00	
Perforations	4.00			3035.00	
Recorder	0.00	8647	Inside	3035.00	
Recorder	0.00	8371	Outside	3035.00	
Perforations	20.00			3055.00	
Blank Off Sub	1.00			3056.00	
Blank Spacing	4.00			3060.00	30.00      Tool Interval
Packer	5.00			3065.00	
Stubb	1.00			3066.00	
Perforations	12.00			3078.00	
Change Over Sub	1.00			3079.00	
Recorder	0.00	8372	Below	3079.00	
Blank Spacing	311.00			3390.00	
Change Over Sub	1.00			3391.00	
Perforations	8.00			3399.00	
Bullnose	3.00			3402.00	342.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>399.00</b>				



**TRIOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Castle Resources, Inc>

**Rolf #1**

PO Box 87  
Schoenchen, KS 67667

**23 17 9 Ellsworth KS**

Job Ticket: 40311

**DST#: 3**

ATTN: Jerry Green

Test Start: 2010.10.12 @ 12:29:55

**Mud and Cushion Information**

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbbl

Total Length: ft

Total Volume: bbl

Num Fluid Samples: 0

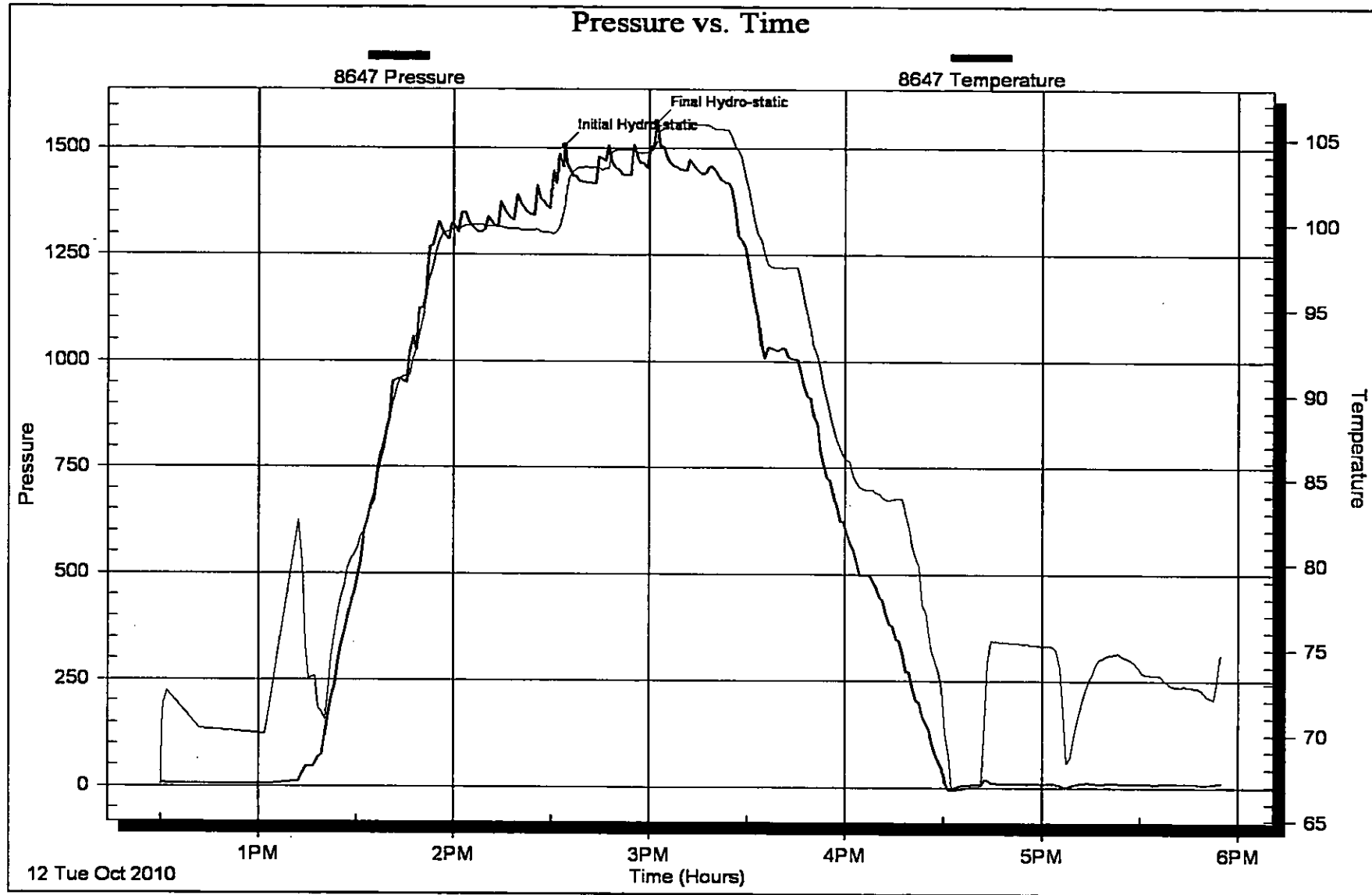
Num Gas Bombs: 0

Serial #:

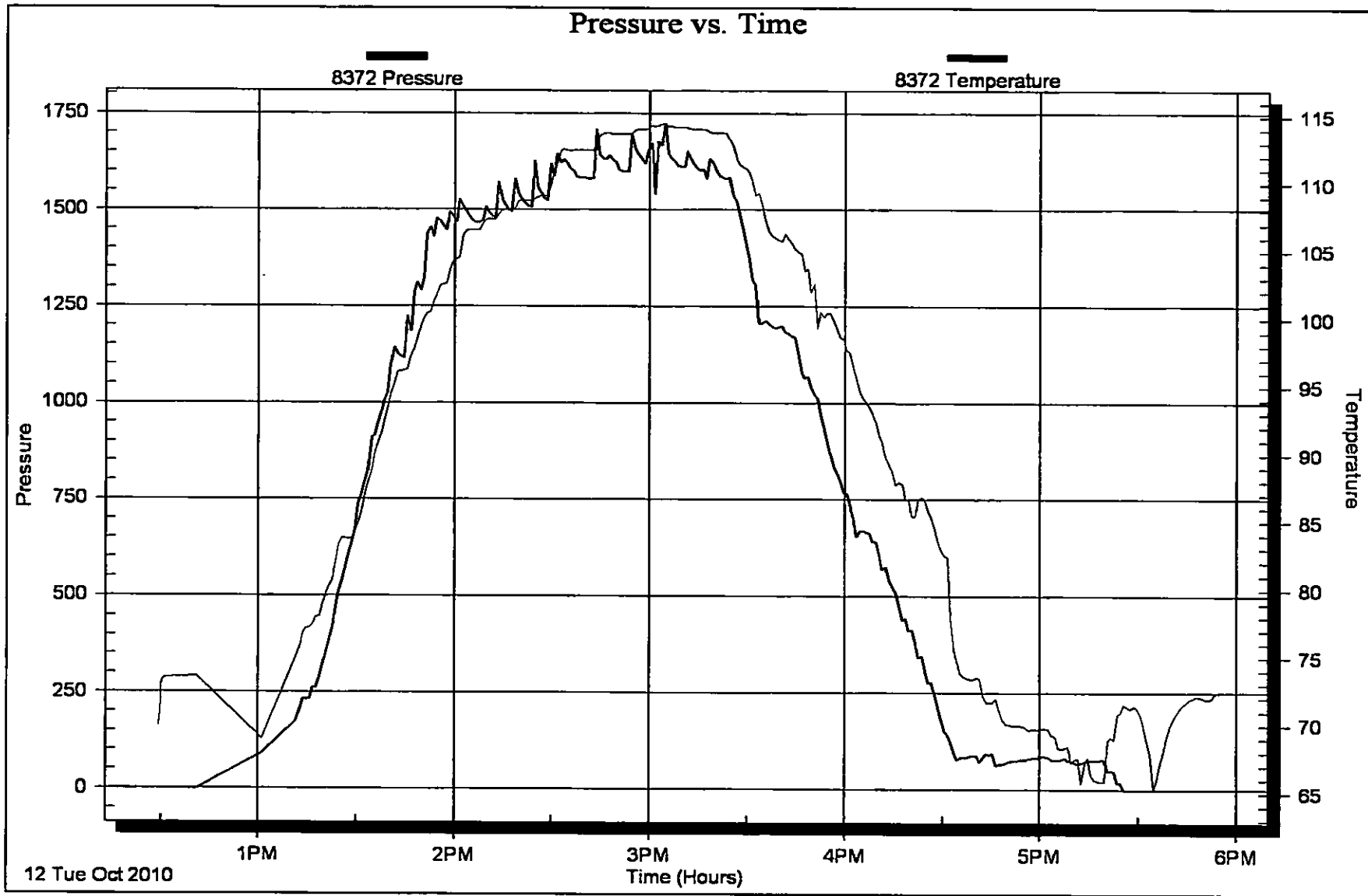
Laboratory Name:

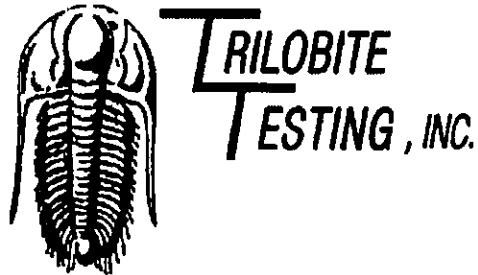
Laboratory Location:

Recovery Comments:









## DRILL STEM TEST REPORT

Prepared For: **Castle Resources, Inc>**

PO Box 87  
Schoenchen, KS 67667

ATTN: Jerry Green

**23 17 9 Ellsworth KS**

**Rolf #1**

Start Date: 2010.10.12 @ 23:35:39

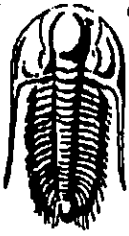
End Date: 2010.10.13 @ 04:10:03

Job Ticket #: 40312                      DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Castle Resources, Inc >

**Roll #1**

PO Box 87  
Schoenchen, KS 67667

**23 17 9 Ellsworth KS**

Job Ticket: 40312

**DST#: 4**

ATTN: Jerry Green

Test Start: 2010.10.12 @ 23:35:39

## GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:12:34

Time Test Ended: 04:10:03

Test Type: Conventional Straddle

Tester: Brian Fairbank

Unit No: 41

Interval: 2980.00 ft (KB) To 3057.00 ft (KB) (TVD)

Reference Elevations: 1777.00 ft (KB)

Total Depth: 3397.00 ft (KB) (TVD)

1770.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

## Serial #: 8647

Press@RunDepth: 978.19 psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.10.12

End Date: 2010.10.13

Last Calib.: 2010.10.13

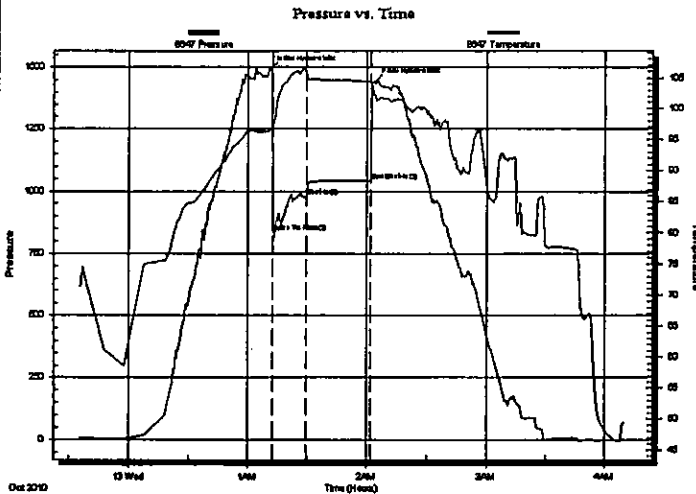
Start Time: 23:35:39

End Time: 04:10:03

Time On Btrc: 2010.10.13 @ 01:11:04

Time Off Btrc: 2010.10.13 @ 02:04:04

**TEST COMMENT:** IFP - BOB 30 sec  
ISI - no blow back BOTTOM PACKER FAILURE  
TIME - 20-30



## PRESSURE SUMMARY

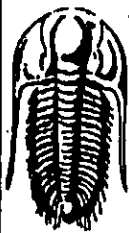
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1492.02	96.58	Initial Hydro-static
2	837.08	97.11	Open To Flow (1)
19	978.19	105.94	Shut-In(1)
51	1040.32	104.42	End Shut-In(1)
53	1440.23	102.11	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
280.00	Mud	3.41
1425.00	Reversed out	19.99
125.00	MWV 90%W 10%M	1.75

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Castle Resources, Inc >

Rolf #1

PO Box 87  
Schoenchen, KS 67667

23 17 9 Ellsworth KS

Job Ticket: 40312 DST#: 4

ATTN: Jerry Green

Test Start: 2010.10.12 @ 23:35:39

**GENERAL INFORMATION:**

Formation:

Deviated: No Whipstock ft (KB)

Time Tool Opened: 01:12:34

Time Test Ended: 04:10:03

Test Type: Conventional Straddle

Tester: Brian Fairbank

Unit No: 41

Interval: 2980.00 ft (KB) To 3057.00 ft (KB) (TVD)

Total Depth: 3397.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1777.00 ft (KB)

1770.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8372

Press@RunDepth: psig @ ft (KB)

Start Date: 2010.10.12

Start Time: 23:35:34

End Date:

End Time:

2010.10.13

04:10:58

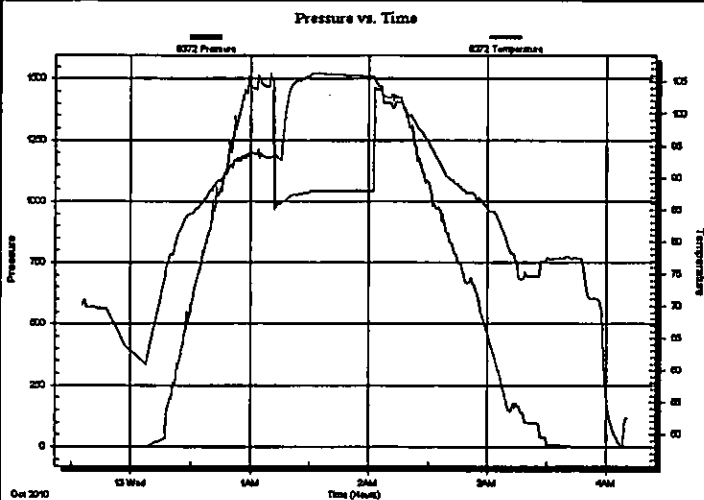
Capacity: 8000.00 psig

Last Calib.: 2010.10.13

Time On Btm:

Time Off Btm:

TEST COMMENT: IFP - BOB 30 sec  
ISI - no blow back BOTTOM PACKER FAILURE  
TME - 20-30



**PRESSURE SUMMARY**

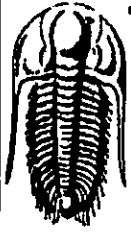
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

**Recovery**

Length (ft)	Description	Volume (bbl)
280.00	Mud	3.41
1425.00	Reversed out	19.99
125.00	MW 90%W 10%M	1.75

**Gas Rates**

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Castle Resources, Inc>  
PO Box 87  
Schoenchen, KS 67667  
ATTN: Jerry Green

**Rolf #1**  
**23 17 9 Ellsworth KS**  
Job Ticket: 40312      DST#: 4  
Test Start: 2010.10.12 @ 23:35:39

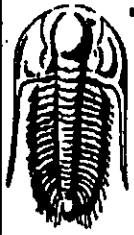
**Tool Information**

Drill Pipe:	Length: 2926.00 ft	Diameter: 3.80 inches	Volume: 41.04 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 57.00 ft	Diameter: 2.25 inches	Volume: 0.28 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 41.32 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	2980.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	3057.00 ft			
Interval between Packers:	77.00 ft			
Tool Length:	449.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			2958.00	
Hydraulic tool	5.00			2963.00	
Jars	5.00			2968.00	
Safety Joint	2.00			2970.00	
Packer	5.00			2975.00	27.00      Bottom Of Top Packer
Packer	5.00			2980.00	
Stubb	1.00			2981.00	
Change Over Sub	1.00			2982.00	
Blank Spacing	62.00			3044.00	
Change Over Sub	1.00			3045.00	
Recorder	0.00	8647	Inside	3045.00	
Recorder	0.00	8371	Outside	3045.00	
Perforations	7.00			3052.00	
Blank Off Sub	1.00			3053.00	
Blank Spacing	4.00			3057.00	77.00      Tool Interval
Packer	5.00			3062.00	
Stubb	1.00			3063.00	
Perforations	2.00			3065.00	
Recorder	0.00	8372	Below	3065.00	
Perforations	25.00			3090.00	
Change Over Sub	1.00			3091.00	
Blank Spacing	311.00			3402.00	345.00      Bottom Packers & Anchor

**Total Tool Length: 449.00**



**TRIOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Castle Resources, Inc>

**Rolf #1**

PO Box 87  
Schoenchen, KS 67667

**23 17 9 Ellsworth KS**

Job Ticket: 40312      DST#: 4

ATTN: Jerry Green

Test Start: 2010.10.12 @ 23:35:39

**Mud and Cushion Information**

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 42.00 sec/qt  
Water Loss: 11.14 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 6900.00 ppm  
Filter Cake: 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
280.00	Mud	3.408
1425.00	Reversed out	19.989
125.00	MW 90%W 10%M	1.753

Total Length: 1830.00 ft      Total Volume: 25.150 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:

