

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
**ORIGINAL**  
WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1  
September 1999  
Form Must Be Typed

10/28/12

Operator: License # 31021 **KCC**  
Name: Castelli Exploration, Inc.  
Address: 6908 N.W. 112th St.  
City/State/Zip: Oklahoma City, OK 73162  
Purchaser: \_\_\_\_\_  
Operator Contact Person: Thomas P. Castelli  
Phone: ( 405 ) 722-5511  
Contractor: Name: Beredco LLC  
License: 34317

**OCT 28 2010**  
**CONFIDENTIAL**  
**RECEIVED**  
**OCT 28 2010**  
**KCC WICHITA**

Wellsite Geologist: Geodynamic Well Logging  
Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, 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./SWD  
 Plug Back  Plug Back Total Depth  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?)  Docket No. \_\_\_\_\_  
8/14/10 8/23/10  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 15-083-21665-00-00  
County: Hodgeman  
NE NE SW NW Sec. 1 Twp. 24 S. R. 23  East  West  
1457 feet from S / (N) (circle one) Line of Section  
1094 feet from E / (W) (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Schaffer Well #: 1-1  
Field Name: Wildcat  
Producing Formation: \_\_\_\_\_  
Elevation: Ground: 2287 Kelly Bushing: 2299  
Total Depth: 4704 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at 324 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** PAWS 11-5-10  
(Data must be collected from the Reserve Pit)  
Chloride content 8400 ppm Fluid volume 1000 bbls  
Dewatering method used Evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: Oil Producers, Inc.  
Lease Name: Palmitier SWD License No.: 8061  
Quarter SW Sec. 16 Twp. 25 S. R. 16  East  West  
County: Edwards Docket No.: D20983

**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.

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: [Signature]  
Title: President Date: \_\_\_\_\_  
Subscribed and sworn to before me this 25<sup>th</sup> day of October  
20 10  
Notary Public: Tisha Love  
Date Commission Expires: 1/28/12

**NOTARY SEAL**  
TISHA L. LOVE  
Notary Public  
State of Oklahoma  
Commission # 08001605 Expires 01/28/12

**KCC Office Use ONLY**  
 Letter of Confidentiality Received 10/28/10-10/28/12  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
UIC Distribution

Operator Name: Castelli Exploration, Inc. Lease Name: Schaffer Well #: 1-1  
 Sec. 1 Twp. 24 S. R. 23  East  West County: Hodgeman

**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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken  Yes  No  
 (Attach Additional Sheets)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
 (Submit Copy)

List All E. Logs Run:

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Heebner Shales	3876	-1577
Lansing	3954	-1655
Pawnee	4447	-2148
Fort Scott	4486	-2187
Mississippian	4581	-2282

**Dual Induction, Compensated Density/Neutron & Micro Logs**

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#	324	60/40	215	3% cc, 2% gel/1/4# floeal

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	1471/600	60/40 poz	50/50	60/40 poz 4% gel & 1/4# cellflake
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone	330/60	60/40 poz	50/20	30 sx in rathole & 20 sx in mousehole

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

RECEIVED  
OCT 28 2010  
KCC WICHITA

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumerd 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	Bbbs.	Gas	Mcf	Water	Bbbs.	Gas-Oil Ratio Gravity

Disposition of Gas  Vented  Sold  Used on Lease (If vented, Submit ACO-18.)

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify)

Production Interval



**BASIC**<sup>SM</sup>  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61  
P.O. Box 8613  
Pratt, Kansas 67124  
Phone 620-672-1201

KCC  
OCT 28 2010  
CONFIDENTIAL

FIELD SERVICE TICKET  
1718 02073 A

DATE OF JOB: 8-14-10		DISTRICT: Pratt		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:					
CUSTOMER: Castell, Exploration		LEASE: Schaeffer		WELL NO. 1-1					
ADDRESS:		COUNTY: Hodgeman		STATE: KS					
CITY:		STATE:		SERVICE CREW: Orlando, J., Stapp, R.					
AUTHORIZED BY:		JOB TYPE: CNU - Surface							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM/PM	TIME
27283	1						8-14-10	AM	11:00
27463	1							AM	2:00
17831/17862	1							AM	3:00
								AM	4:00
								AM	4:30
						MILES FROM STATION TO WELL	100		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).  
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: *[Signature]*  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
PCP103	60/40 P02	sq	215		2580.00
PCP103	Collar	lb	54		199.80
PCP103	Calcium Chloride	lb	555		582.75
PCS153	Wooden Cement Plug	ea	1		166.00
PE100	H. Pickup	m	100		425.00
PE101	Heavy Equipment	m	200		1400.00
PE113	Bulk Solvent	tr	725		1420.00
PCE200	Depth Charge O-300	ea	1		1000.00
PCE240	Cement Solvent	sq	215		301.00
PCS01	Cement Head	sq	1		250.00
PS001	Service Solvent	ea	1		175.00
<b>RECEIVED</b>					
<b>OCT 28 2010</b>					
<b>KCC WICHITA</b>					

CHEMICAL / ACID DATA:			

SUB TOTAL		5559.81
SERVICE & EQUIPMENT	%TAX ON \$	DL5
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE: <i>[Signature]</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>[Signature]</i>
--	--

FIELD SERVICE ORDER NO.

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

KCC  
OCT 28 2010  
CONFIDENTIAL

## TREATMENT REPORT

Customer		Lease No.	Date	
Lease		Well #	5-14-	
Field Order #	Station	Casing	Depth	County
Type Job		Formation		Legal Description

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
Depth	Depth	From	To	Pre Pad	Max		5 Min.	
Volume	Volume	From	To	Pad	Min		10 Min.	
Max Press	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative	Station Manager	Treater
-------------------------	-----------------	---------

Service Units	Driver Names								
---------------	--------------	--	--	--	--	--	--	--	--

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2:10					
4:00			4		
3:30			11.5		
3:00			1		
2:30			1		
1:30			3		

RECEIVED  
OCT 28 2010  
KCC WICHITA



10244 NE Hwy. 61  
P.O. Box 8613  
Pratt, Kansas 67124  
Phone 620-672-1201

KCC  
OCT 28 2010  
CONFIDENTIAL

FIELD SERVICE TICKET  
1718 02373 A

DATE OF JOB 08-28-10	DISTRICT PRATT	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:			
CUSTOMER CARTER OPERATOR		LEASE Schaffner 1-1		WELL NO.						
ADDRESS		COUNTY HOOPER	STATE KS							
CITY		SERVICE CREW Sullivan, Mikes, Phye								
STATE		JOB TYPE: NEW PTH								
AUTHORIZED BY										
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
3204-2090	50									16:30
186-1860	2									17:15
1867										13:30
										15:30
										16:00
						MILES FROM STATION TO WELL				100

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: *[Signature]*  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 102	4 1/2" x 102 cut	2k	220		2,640.00
CC 102	cuttings	lb	55		22.50
C 200	20 y sack	lb	380		95.00
P 100	pickup meter	no	100		42.00
P 101	Heavy duty 2 1/2" line	no	200		1,400.00
P 113	Cable Delay	no	750		1,520.00
PE 302	Depth Charge 100' well	EA	1		1,500.00
PE 310	Chonding mix 11	EA	220		309.00
SOU	...	EA	1		175.00
<b>RECEIVED</b>					
<b>OCT 28 2010</b>					
<b>KCC WICHITA</b>					
SUB TOTAL					

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE <i>[Signature]</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>[Signature]</i>
FIELD SERVICE ORDER NO.	(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

# BASIC

energy services, L.P.

KCC  
OCT 28 2010  
CONFIDENTIAL

## TREATMENT REPORT

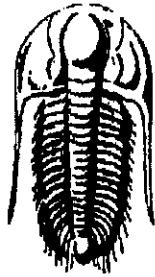
Customer <i>CASTELLI Exploration</i>	Lease No.	Date <i>08-23-10</i>
Lease <i>Shaffer</i>	Well # <i>1-1</i>	
Field Order # <i>2375</i>	Station <i>PRN #</i>	Casing
Type Job <i>CW</i>	Formation <i>P.T.A.</i>	Depth
		County <i>Hodgeman</i>
		State <i>KS</i>
		Legal Description <i>7-29-23</i>

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth	Depth	From	To	Pre Pad	Max		5 Min.
Volume	Volume	From	To	Pad	Min		10 Min.
Max Press	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative	Station Manager <i>DAVE SCOTT</i>	Treater <i>Robert Sullivan</i>
Service Units <i>19867 33728 20926 19960 19866</i>		
Driver Names <i>Sullivan melson chye</i>		

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
<i>1315</i>					<i>on h.c. Safety meeting</i>
					<i>P.T.A.</i>
<i>1335</i>			<i>125</i>	<i>10</i>	<i>Set Plug @ 1470' w/50% 6 1/4" 20"</i>
					<i>Spur</i>
			<i>125</i>		<i>cont</i>
<i>1347</i>			<i>14</i>	<i>10</i>	<i>Disc Ann shut down</i>
					<i>Set Plug @ 600' w/50%</i>
<i>1430</i>					<i>Spur</i>
			<i>125</i>	<i>10</i>	<i>cont</i>
<i>1446</i>			<i>14</i>		<i>Disc</i>
					<i>Set Plug @ 330' w/50%</i>
<i>1450</i>					<i>Spur</i>
			<i>125</i>		<i>cont</i>
<i>1457</i>					<i>Disc</i>
<i>1505</i>			<i>6</i>	<i>10</i>	<i>Plug Top 60' w/20%</i>
<i>1530</i>			<i>13</i>		<i>Plug Bot 60' w/20%</i>
					<i>300' Cement / 1 hour on</i>

RECEIVED  
OCT 28 2010  
KCC WICHIT



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Castelli Exploration, Inc**

6908 NW 112th  
Oklahoma City, Oklahoma

ATTN: Rick Pope

**1-24s23w Hodgeman KS**

**Schaffer # 1-1**

Start Date: 2010.08.21 @ 03:44:29

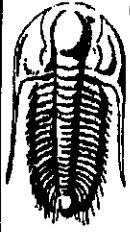
End Date: 2010.08.21 @ 14:27:29

Job Ticket #: 36939                      DST #: 1

**KCC  
OCT 28 2010  
CONFIDENTIAL**

**RECEIVED  
OCT 28 2010  
KCC WICHITA**

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Castelli Exploration, Inc  
6908 NW 112th  
Oklahoma City, Oklahoma  
ATTN: Rick Pope

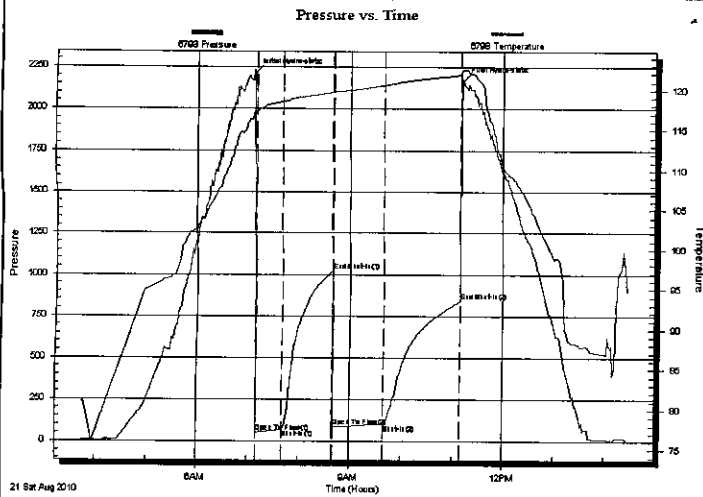
**Schaffer # 1-1**  
**1-24s23w Hodgeman KS**  
Job Ticket: 36939      **DST#: 1**  
Test Start: 2010.08.21 @ 03:44:29

## GENERAL INFORMATION:

Formation: **Mississippi**  
Deviated: **No** Whipstock:                      ft (KB)  
Time Tool Opened: 07:09:29  
Time Test Ended: 14:27:29  
Test Type: **Conventional Bottom Hole**  
Tester: **Jerry Adams**  
Unit No: **45**  
Interval: **4558.00 ft (KB) To 4588.00 ft (KB) (TVD)**  
Reference Elevations:                      2299.00 ft (KB)  
Total Depth: **4588.00 ft (KB) (TVD)**                      2287.00 ft (CF)  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**                      KB to GR/CF:                      12.00 ft

**Serial #: 6798**      **Inside**  
Press@RunDepth:      101.09 psig @      4559.00 ft (KB)      Capacity:                      8000.00 psig  
Start Date:              2010.08.21      End Date:                      2010.08.21      Last Calib.:                      2010.08.21  
Start Time:              03:44:30      End Time:                      14:27:29      Time On Btm:              2010.08.21 @ 07:07:59  
Time Off Btm:              2010.08.21 @ 11:11:29

**TEST COMMENT:** IF:Weak blow . Built to 5 1/2".  
IS:No blow .  
FF:Weak blow . Built to 2 1/2".  
FS:No blow .



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2213.85	117.40	Initial Hydro-static
2	51.51	117.11	Open To Flow (1)
33	70.91	118.62	Shut-In(1)
92	1018.91	119.73	End Shut-In(1)
93	87.38	119.69	Open To Flow (2)
152	101.09	120.59	Shut-In(2)
242	840.60	121.88	End Shut-In(2)
244	2169.65	122.53	Final Hydro-static

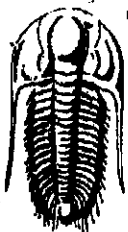
## Recovery

Length (ft)	Description	Volume (bbl)
40.00	Clean Oil 100%	0.20
146.00	HOCM 30%o 70%w	0.72
0.00	Grav: 41 API @ 110 deg.	0.00

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Castelli Exploration, Inc  
6908 NW 112th  
Oklahoma City, Oklahoma

**Schaffer # 1-1**  
**1-24s23w Hodgeman KS**  
Job Ticket: 36939      DST#: 1  
Test Start: 2010.08.21 @ 03:44:29

ATTN: Rick Pope

### Tool Information

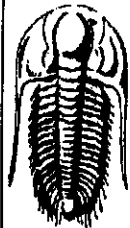
Drill Pipe:	Length: 4081.00 ft	Diameter: 3.80 inches	Volume: 57.25 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 459.00 ft	Diameter: 2.25 inches	Volume: 2.26 bbl	Weight to Pull Loose: 102000.0 lb
			<u>Total Volume: 59.51 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 92000.00 lb
Depth to Top Packer:	4558.00 ft			Final 93000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	58.00 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			4535.00	
Hydraulic tool	5.00			4540.00	
Jars	5.00			4545.00	
Safety Joint	3.00			4548.00	
Packer	5.00			4553.00	28.00      Bottom Of Top Packer
Packer	5.00			4558.00	
Stubb	1.00			4559.00	
Recorder	0.00	6798	Inside	4559.00	
Recorder	0.00	8367	Outside	4559.00	
Perforations	26.00			4585.00	
Bullnose	3.00			4588.00	30.00      Bottom Packers & Anchor

**Total Tool Length: 58.00**

**RECEIVED**  
**OCT 28 2010**  
**KCC WICHITA**



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Castelli Exploration, Inc  
6908 NW 112th  
Oklahoma City, Oklahoma  
ATTN: Rick Pope

**Schafter # 1-1**  
**1-24s23w Hodgeman KS**  
Job Ticket: 36939      **DST#: 1**  
Test Start: 2010.08.21 @ 03:44:29

### Mud and Cushion Information

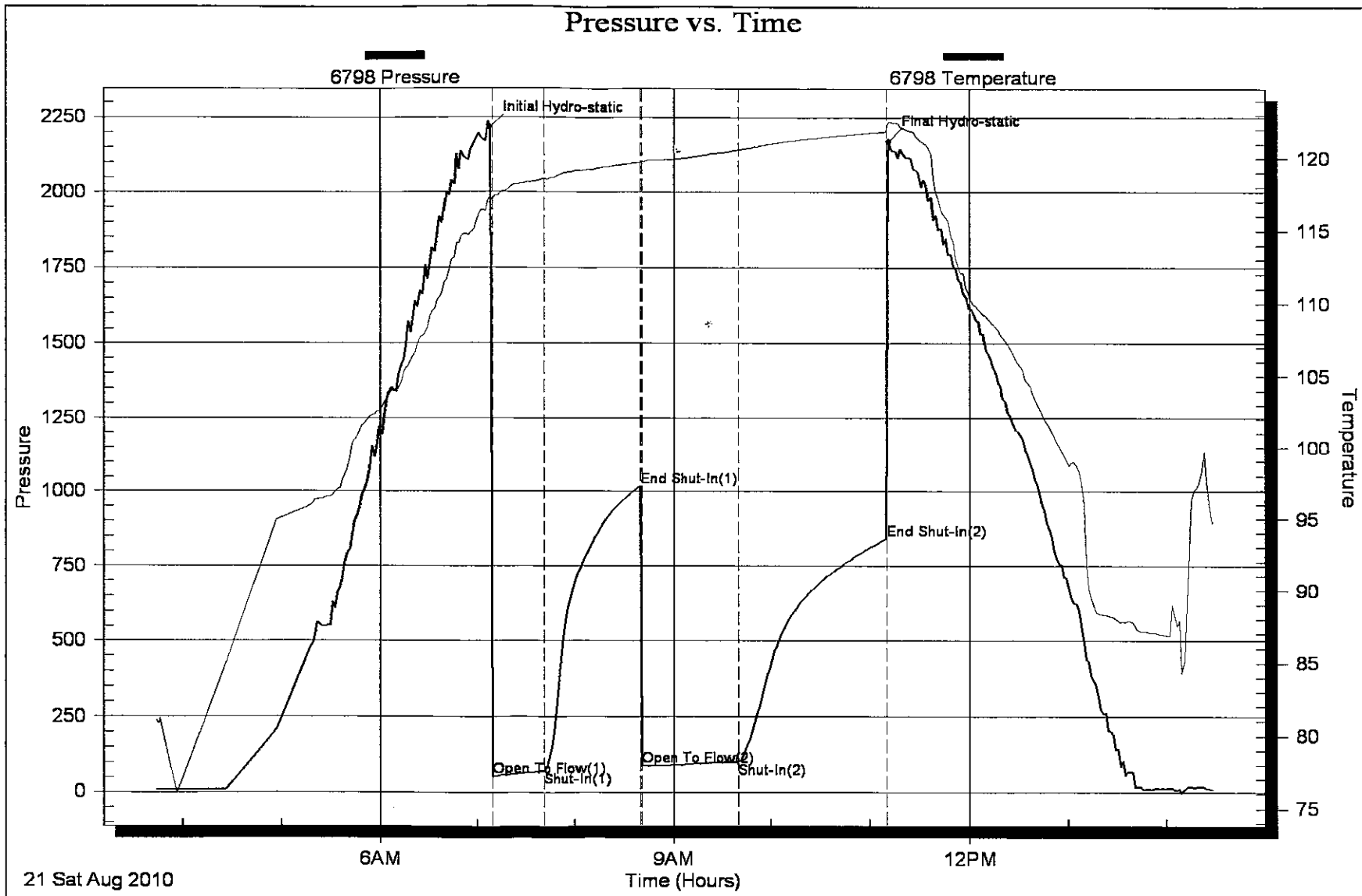
Mud Type: Gel Chem	Cushion Type:	Oil API: 36 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 43.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.77 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 3100.00 ppm		
Filter Cake: 0.21 inches		

### Recovery Information

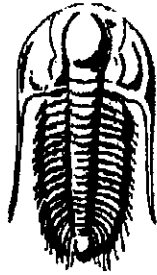
Recovery Table

Length ft	Description	Volume bbl
40.00	Clean Oil 100%o	0.197
146.00	HOCM 30%o 70%m	0.718
0.00	Grav: 41 API @ 110 deg.	0.000

Total Length: 186.00 ft      Total Volume: 0.915 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #: none  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:



RECEIVED  
OCT 28 2010  
KCC WICHITA



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Castelli Exploration, Inc**

6908 NW 112th  
Oklahoma City, Oklahoma

ATTN: Rick Pope

**1-24s23w Hodgeman KS**

**Schaffer # 1-1**

Start Date: 2010.08.22 @ 00:35:59

End Date: 2010.08.22 @ 10:17:59

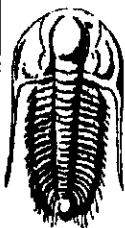
Job Ticket #: 36940                      DST #: 2

**RECEIVED  
OCT 28 2010  
KCC WICHITA**

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Castelli Exploration, Inc  
6908 NW 112th  
Oklahoma City, Oklahoma  
ATTN: Rick Pope

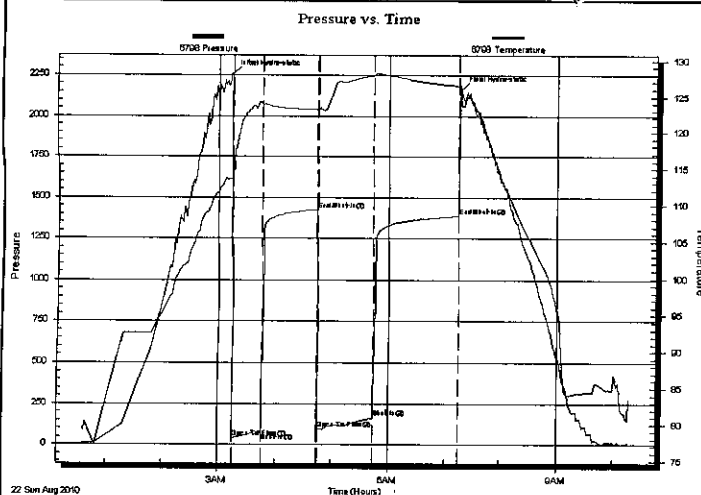
**Schaffer # 1-1**  
**1-24s23w Hodgeman KS**  
Job Ticket: 36940      DST#: 2  
Test Start: 2010.08.22 @ 00:35:59

## GENERAL INFORMATION:

Formation: **Mississippi**  
Deviated: No Whipstock:                      ft (KB)  
Time Tool Opened: 03:14:59  
Time Test Ended: 10:17:59  
Test Type: Conventional Bottom Hole  
Tester: Jerry Adams  
Unit No: 45  
Interval: **4592.00 ft (KB) To 4604.00 ft (KB) (TVD)**  
Total Depth: 4604.00 ft (KB) (TVD)  
Reference Elevations: 2299.00 ft (KB)  
Hole Diameter: 7.88 inches Hole Condition: Fair                      KB to GR/CF: 2287.00 ft (CF)  
KB to GR/CF: 12.00 ft

**Serial #: 6798**      Inside  
Press@RunDepth: 163.07 psig @ 4593.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2010.08.22      End Date: 2010.08.22      Last Calib.: 2010.08.22  
Start Time: 00:36:00      End Time: 10:17:59      Time On Btm: 2010.08.22 @ 03:13:29  
Time Off Btm: 2010.08.22 @ 07:17:29

**TEST COMMENT:** IF:Weak blow . Built to 5".  
IS:No blow .  
FF:Weak blow . Built to 6".  
FS:No blow .



## PRESSURE SUMMARY

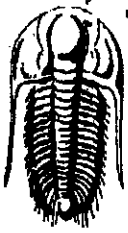
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2255.33	113.70	Initial Hydro-static
2	41.34	113.74	Open To Flow (1)
32	70.67	123.87	Shut-In(1)
91	1424.84	123.23	End Shut-In(1)
92	93.67	122.61	Open To Flow (2)
151	163.07	127.95	Shut-In(2)
242	1387.07	126.53	End Shut-In(2)
244	2163.08	124.06	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
280.00	MW 80%w 20%m	1.38
0.00	RW = .09 @ 110 deg.	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Castelli Exploration, Inc  
6908 NW 112th  
Oklahoma City, Oklahoma  
ATTN: Rick Pope

**Schaffer # 1-1**  
**1-24s23w Hodgeman KS**  
Job Ticket: 36940      DST#: 2  
Test Start: 2010.08.22 @ 00:35:59

**Tool Information**

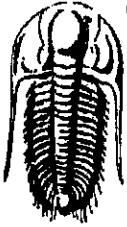
Drill Pipe:	Length: 4112.00 ft	Diameter: 3.80 inches	Volume: 57.68 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 459.00 ft	Diameter: 2.25 inches	Volume: 2.26 bbl	Weight to Pull Loose: 105000.0 lb
			<u>Total Volume: 59.94 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 95000.00 lb
Depth to Top Packer:	4592.00 ft			Final 96000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	40.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4569.00	
Hydraulic tool	5.00			4574.00	
Jars	5.00			4579.00	
Safety Joint	3.00			4582.00	
Packer	5.00			4587.00	28.00      Bottom Of Top Packer
Packer	5.00			4592.00	
Stubb	1.00			4593.00	
Recorder	0.00	6798	Inside	4593.00	
Recorder	0.00	8367	Outside	4593.00	
Perforations	8.00			4601.00	
Bullnose	3.00			4604.00	12.00      Bottom Packers & Anchor

**Total Tool Length: 40.00**

**RECEIVED  
OCT 28 2010  
KCC WICHITA**



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Castelli Exploration, Inc

**Schaffer # 1-1**

6908 NW 112th  
Oklahoma City, Oklahoma

**1-24s23w Hodgeman KS**

Job Ticket: 36940

**DST#: 2**

ATTN: Rick Pope

Test Start: 2010.08.22 @ 00:35:59

### 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:

55000 ppm

Viscosity: 43.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.97 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2900.00 ppm

Filter Cake: 0.21 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
280.00	MW 80%w 20%m	1.377
0.00	RW = .09 @ 110 deg.	0.000

Total Length: 280.00 ft

Total Volume: 1.377 bbl

Num Fluid Samples: 0

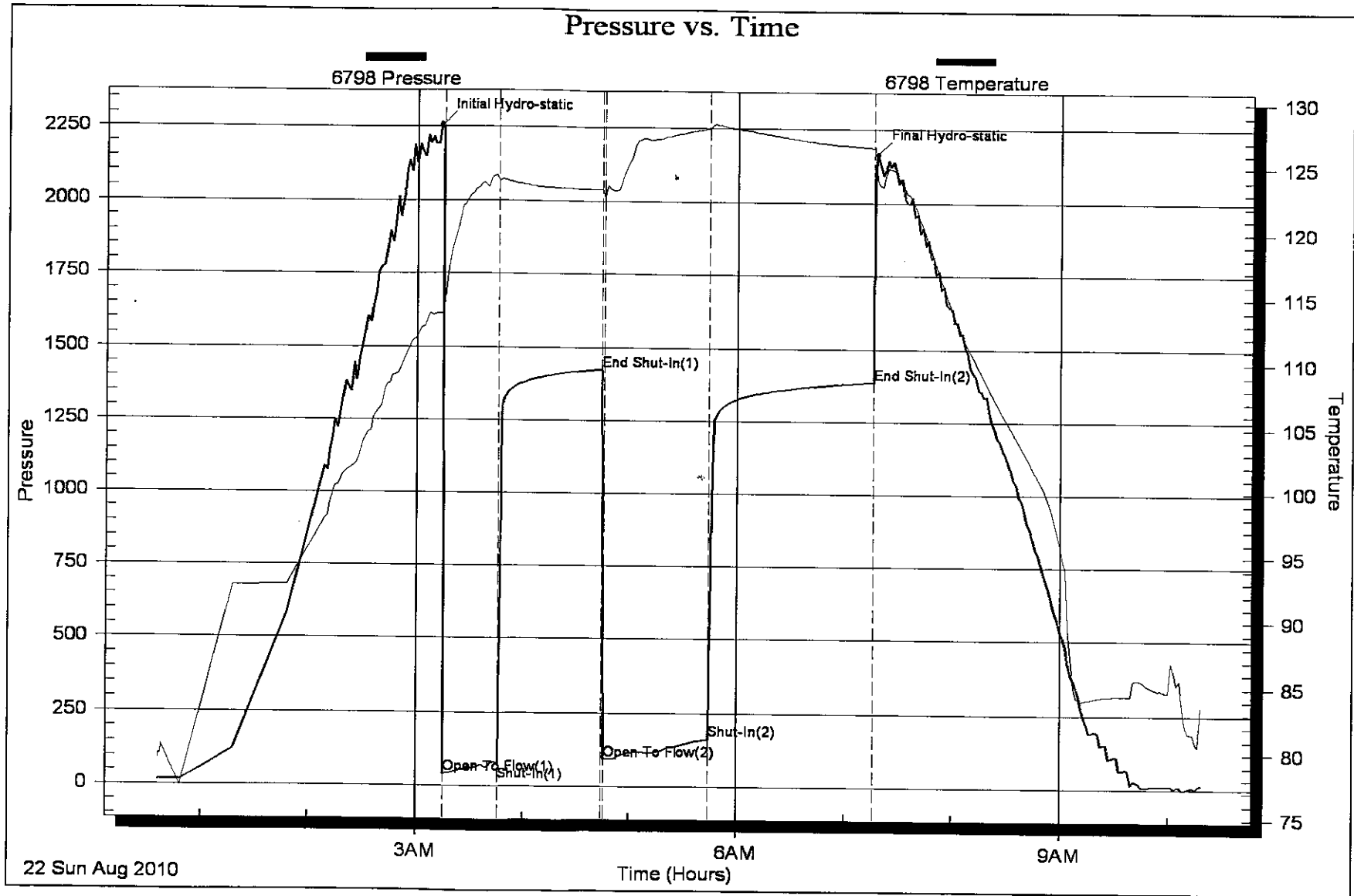
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .09 @ 110F = 55000 ppm chlorides



RECEIVED  
OCT 28 2010  
KCC WICHITA