

1-31-07

Form ACO-1  
September 1999  
Form Must Be Typed

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33168  
Name: WOOLSEY OPERATING COMPANY, LLC  
Address: 125 N. Market, Suite 1000  
City/State/Zip: Wichita, Kansas 67202  
Purchaser: Oneok / Plains Marketing  
Operator Contact Person: Dean Pattisson, Operations Manager  
Phone: (316) 267-4379 ext 107  
Contractor: Name: Val Energy, Inc.  
License: 5822  
Wellsite Geologist: Curtis Covey

KCC  
JAN 31 2007  
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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: n/a

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. \_\_\_\_\_

<u>10/06/2006</u>	<u>10/20/2006</u>	<u>12/13/2006</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 033-21480 0000  
County: Comanche  
100' W of NE NE SE Sec. 7 Twp. 32 S. R. 16  East  West  
2310' FSL feet from (S) / N (circle one) Line of Section  
430' FEL feet from (E) / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE (SE) NW SW  
Lease Name: YORK 'C' Well #: 1  
Field Name: Wildcat  
Producing Formation: Mississippian  
Elevation: Ground: 2026 Kelly Bushing: 2036  
Total Depth: 5620 Plug Back Total Depth: 5356  
Amount of Surface Pipe Set and Cemented at 260 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from n/a  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan AIF INH 9-17-08  
(Data must be collected from the Reserve Pit)  
Chloride content 13,000 ppm Fluid volume 1800 bbls  
Dewatering method used Haul off free fluids and allow to dehydrate  
Location of fluid disposal if hauled offsite:  
Operator Name: OPIK  
Lease Name: Rich #9 SWD License No.: 8061  
Quarter \_\_\_\_\_ Sec. 22 Twp. 32 S. R. 19  East  West  
County: Comanche Docket No.: D- 28,178

**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.

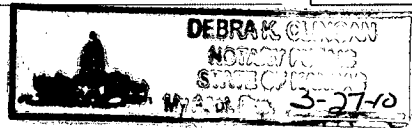
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: \_\_\_\_\_  
Title: Dean Pattisson, Operations Manager Date: 01/31/2007  
Subscribed and sworn to before me this 31<sup>st</sup> day of January,  
20 07.  
Notary Public: Debra K. Clingan  
Date Commission Expires: March 27, 2010

**KCC Office Use ONLY**

Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

**RECEIVED**  
**FEB 01 2007**



KCC WICHITA

Operator Name: WOOLSEY OPERATING COMPANY, LLC Lease Name: YORK 'C' Well #: 1  
 Sec. 7 Twp. 32 S. R. 16  East  West County: Comanche

**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 <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Chase	2456	-420
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Indian Cave	3294	-1258
List All E. Logs Run:		Douglas	4230	-2194
		Lansing	4374	-2338
		Base Kansas City	4816	-2780
		Mississippian Osage	5179	-3143
		Simpson	5496	-3398
		Arbuckle	5624	-3588
Compensated Neutron Density				
Dual Induction				
Sonic				
Cement Bond				

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
Conductor	32"	24"		60'	Grout	10 yds	2% cc
Surface	14 3/4"	10 3/4"	30# / ft	260'	Class A	220 sx	2% gel, 2% cc
Production	7 7/8"	4 1/2"	10.5# / ft	5403'	Class H	165 sx	10% Gypseal, 10% Salt, 6% Coalseal, 1/4# Celloflake & .8% fluid loss

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				

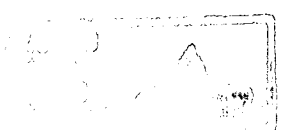
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	5002' - 5066' OA Mississippian	Acid: 3000 gal 10% MICA	same
	(5002'-20', 5023'-32' and 5036'-66')	Frac: 410,200 gal 2% KCL wtr, 135,000# 30/70, 24,000# 20/40 & 11,500# 16/30 resin coated sd	same

TUBING RECORD	Size 2 3/8"	Set At 5096'	Packer At n/a	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. <b>SI WOPL</b>	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	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: \_\_\_\_\_



316-267-4383

# KODA Services, Inc. — WORK ORDER

Ticket # 2366

Date Called 9-28-06 Time Wanted 10-2-06

Ticket # \_\_\_\_\_

Drilling Company

Oil Company

Foreman \_\_\_\_\_

V&I

Luxxley

Operator Dwayne

Pusher \_\_\_\_\_

Helper Brian

Earl

Off. Ph. \_\_\_\_\_

Home Ph. \_\_\_\_\_

Mobile Ph. \_\_\_\_\_

Lease York C-1

Rig # 1

Face Rig 

N	E	S	W
---	---	---	---

Directions: Coldwater N to Hwy 160 E to mile marker 197 3/4 S into

Remarks: 0-59 SAND 59-66 clay

Conductor only

Rat Hole \_\_\_\_\_ Mouse Hole \_\_\_\_\_

Koda Mud  
Cement  
Vacuum

Conductor: Drilled 66' of 32" conductor hole

Furnished 66' of 24" conductor pipe, \_\_\_\_\_ up

Cellar 5x5 Main Hole \_\_\_\_\_

Grout: 10 yards, 2% c/c

Service to run customers pipe: \_\_\_\_\_ of \_\_\_\_\_ @ \_\_\_\_\_

Service to run pipe & cement w/pressure truck . . \$ \_\_\_\_\_

Furnished: Welder \_\_\_\_\_ hours @ \_\_\_\_\_

Centralizer \_\_\_\_\_ @ \_\_\_\_\_



Toilet Hole \_\_\_\_\_

SPC 12531-6122

Conductor casing

KCC  
JAN 31 2007  
CONFIDENTIAL

RECEIVED  
FEB 01 2007  
KCC WICHITA

# ALLIED CEMENTING CO., INC.

24682

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665SERVICE POINT:  
ML

DATE <u>10-6-06</u>	SEC <u>7</u>	TWP. <u>32S</u>	RANGE <u>16W</u>	CALLED OUT <u>6:00 PM</u>	ON LOCATION <u>8:30 PM</u>	JOB START <u>10:30 P</u>	JOB FINISH <u>11:00 PM</u>
LEASE <u>Gr/C</u>	WELL # <u>C-1</u>	LOCATION <u>MM # 197 on 160</u>	COUNTY <u>Osage</u>	STATE <u>KS.</u>			
OLD OR <input checked="checked" type="checkbox"/> NEW (Circle one)	<u>18W, 5S</u>						

CONTRACTOR <u>Val Rig #1</u>	OWNER <u>Woolsey Operating</u>
TYPE OF JOB <u>surface</u>	CEMENT
HOLE SIZE <u>14 3/4</u>	T.D. <u>261'</u>
CASING SIZE <u>10 7/8 x 32</u>	DEPTH <u>247'</u>
TUBING SIZE <u>8 7/8 x 41</u>	DEPTH <u>+ 15</u>
DRILL PIPE	DEPTH
TOOL	DEPTH <u>262 total</u>

COMMON <u>220 #</u>	@ <u>10.65</u>	<u>2343.00</u>
POZMIX	@	
GEL <u>4</u>	@ <u>16.65</u>	<u>66.60</u>
CHLORIDE <u>8</u>	@ <u>46.60</u>	<u>372.80</u>
ASC	@	
HANDLING <u>232</u>	@ <u>1.90</u>	<u>440.80</u>
MILEAGE <u>35</u> y <u>232</u> x .09		<u>730.80</u>
TOTAL		<u>3954.00</u>

PRES. MAX <u>200</u>	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15'</u>	
PERFS.	
DISPLACEMENT <u>24 1/4 cbls water</u>	EQUIPMENT

PUMP TRUCK CEMENTER <u>Carl Balding</u>
# <u>414302</u> HELPER <u>Dennis Croteberry</u>
BULK TRUCK
# <u>389</u> DRIVER <u>Clint Williard</u>
BULK TRUCK
# DRIVER

**REMARKS:**

Run 247' 10 7/8 csg w/ 15' 8 7/8 Lut  
Break circulation w/ Val Rig  
Mix 220 sx Class A + 5% gel  
Displace with 24 1/4 cbls water  
Leave 15' cement in pipe start in  
Cement did circulate

**SERVICE**

DEPTH OF JOB <u>247'</u>	
PUMP TRUCK CHARGE	<u>815.00</u>
EXTRA FOOTAGE @	
MILEAGE <u>35</u> @ <u>6.00</u>	<u>210.00</u>
MANIFOLD @	
	@
	@

CHARGE TO: Woolsey Operating  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**RECEIVED**TOTAL 1025.00**FEB 01 2007**

PLUG &amp; FLOAT EQUIPMENT

**KCC WICHITA**

ANY APPLICABLE TAX  
 WILL BE CHARGED  
 UPON INVOICING

TOTAL \_\_\_\_\_

To Allied Cementing Co., Inc.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX \_\_\_\_\_  
 TOTAL CHARGE 1025.00  
 DISCOUNT 1025.00 IF PAID IN 30 DAYS

SIGNATURE Rick SmithPRINTED NAME Rick Smith

KCC  
 JAN 31 2007  
 CONFIDENTIAL

# ALLIED CEMENTING CO., INC.

24042

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

SERVICE POINT:  
med. lodge, ks

DATE <u>10-22-06</u>	SEC. <u>7</u>	TWP. <u>32S</u>	RANGE <u>16W</u>	CALLED OUT <u>6:00 A.M.</u>	ON LOCATION <u>1:30 P.M.</u>	JOB START <u>11:30 P.M.</u>	JOB FINISH <u>2:15 A.M.</u>
LEASE <u>York</u>	WELL # <u>C-#1</u>	LOCATION <u>mm 197 on 160 Hi-way</u>			COUNTY <u>Comanche</u>	STATE <u>Ks.</u>	
OLD OR <u>NEW</u> (Circle one)			<u>S/S</u>				

CONTRACTOR UAI #1  
 TYPE OF JOB Prod. Csq.  
 HOLE SIZE 7 7/8 T.D. 5620'  
 CASING SIZE 4 1/2 x 10.5 DEPTH 5403'  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX 1200 MINIMUM 300  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT 43.13  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 86 Bbls 2% KCL water  
 EQUIPMENT

OWNER Woolsey Petroleum  
 CEMENT  
 AMOUNT ORDERED 500 gals. ASF  
190sx H + 10% Gyp Seal + 10% Salt  
+ 6# Kol-Seal + 8% FL-160  
9 Gals KCL  
 COMMON 190 H @ 12.75 2422.50  
 POZMIX \_\_\_\_\_ @ \_\_\_\_\_  
 GEL \_\_\_\_\_ @ \_\_\_\_\_  
 CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_  
 ASC \_\_\_\_\_ @ \_\_\_\_\_  
ASF 500 gal. @ 1.00 500.00  
Gyp Seal 18 @ 23.35 420.30  
Salt 21 @ 9.60 201.60  
Kol Seal 1140 # @ .70 798.00  
FL-160 143 # @ 10.65 1522.95  
Clc Pro 9 gal. @ 25.00 225.00  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 HANDLING 255 @ 1.90 484.50  
 MILEAGE 35 x 255 x .09 803.25  
 TOTAL 7378.10

PUMP TRUCK CEMENTER Larry Dreiling  
 # 372 HELPER Darin Franklin  
 BULK TRUCK  
 # 364 DRIVER Greg Grieve  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:

Pipe on Bottom - Break Circ.  
Pump 500 gals. ASF Flush Plug RH  
+ m.H. mix + Pump 16.5sx H + 10% Salt  
10% Gyp-Seal + 6# Kol-Seal + 8% FL-160  
Wash out Pump + lines. Release  
Plug. Displace 86 Bbls 2% KCL  
Water. Pump Plug - Release PSI  
Float Held

NOV 7 2006

SERVICE

DEPTH OF JOB 5403'  
 PUMP TRUCK CHARGE \_\_\_\_\_ 1840.00  
 EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE 35 @ 6.00 210.00  
 MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_  
Hand Rental @ 100.00 100.00  
 RECEIVED \_\_\_\_\_ @ \_\_\_\_\_

CHARGE TO: Woolsey Petroleum  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

FEB 01 2007

TOTAL 2150.00

KCC WICHITA

PLUG & FLOAT EQUIPMENT

1-AEU Float Shoe @ 200.00 200.00  
1-atch Plug Assemble @ 325.00 325.00  
14 Tubrolizers @ 55.00 770.00  
28-Recip. Scratchers @ 35.00 980.00  
 @ \_\_\_\_\_

To Allied Cementing Co., Inc.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

ANY APPLICABLE TAX  
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 UPON INVOICING

TOTAL 2275.00

TAX \_\_\_\_\_  
 TOTAL CHARGE \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

SIGNATURE x Allen F. Dick

x Allen F. Dick  
 PRINTED NAME

KCC  
 JAN 31 2007  
 CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

COPY

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Wellsite Geologist: Curtis Covey  
Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)  
If Workover/Re-entry: Old Well Info as follows:  
Operator: n/a  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Enhr./SWD  
 Plug Back \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
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County: Comanche  
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Elevation: Ground: 2026 Kelly Bushing: 2036  
Total Depth: 5620 Plug Back Total Depth: 5356  
Amount of Surface Pipe Set and Cemented at 260 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from n/a  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cm.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

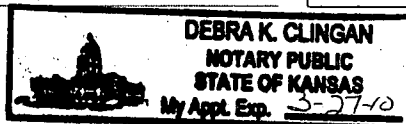
Chloride content 13,000 ppm Fluid volume 1800 bbls  
Dewatering method used Haul off free fluids and allow to dehydrate  
Location of fluid disposal if hauled offsite:  
Operator Name: OPIK  
Lease Name: Rich #9 SWD License No.: 8061  
Quarter \_\_\_\_\_ Sec. 22 Twp. 32 S. R. 19  East  West  
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Signature: \_\_\_\_\_  
Title: Dean Pattison, Operations Manager Date: 01/31/2007  
Subscribed and sworn to before me this 31<sup>st</sup> day of January,  
20 07.  
Notary Public: Debra K. Clingan  
Date Commission Expires: March 27, 2010

**KCC Office Use ONLY**  
Y Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
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**FEB 01 2007**  
**KCC WICHITA**



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Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Chase	2456 -420
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		Simpson	5496 -3398
		Arbuckle	5624 -3588

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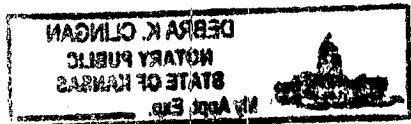
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<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

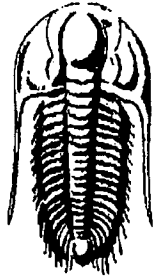
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
2	5002' - 5066' OA Mississippian	Acid: 3000 gal 10% MICA	same
	(5002'-20', 5023'-32' and 5036'-66')	Frac: 410,200 gal 2% KCL wtr, 135,000# 30/70, 24,000# 20/40 & 11,500# 16/30 resin coated sd	same

TUBING RECORD	Size 2 3/8"	Set At 5096'	Packer At n/a	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. <b>SI WOPL</b>	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

Disposition of Gas **METHOD OF COMPLETION** Production Interval

Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled  
*(If vented, Submit ACO-18.)*  Other (Specify) \_\_\_\_\_





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co LLC**

125 N Market Ste #1000  
Wichita KS 67202

ATTN: Brad Rine

**7 32 16W Comanche KS**

**York "C" #1**

Start Date: 2006.10.14 @ 13:34:43

End Date: 2006.10.14 @ 23:57:13

Job Ticket #: 25450                      DST #: 1

CONFIDENTIAL

1-31-09

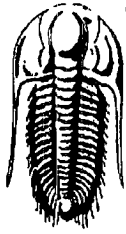
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CONSERVATION DIVISION  
WICHITA, KS

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Woolsey Operating Co LLC

York "C" #1

125 N Market Ste #1000  
Wichita KS 67202

7 32 16W Comanche KS

Job Ticket: 25450

DST#: 1

ATTN: Brad Rine

Test Start: 2006.10.14 @ 13:34:43

## GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:34:43

Time Test Ended: 23:57:13

Test Type: Conventional Bottom Hole

Tester: Gerald Adams

Unit No: 36

Interval: **4901.00 ft (KB) To 4935.00 ft (KB) (TVD)**

Reference Elevations: 2036.00 ft (KB)

Total Depth: 4935.00 ft (KB) (TVD)

2026.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: **6798**

Inside

Press@RunDepth: 17.79 psig @ 4902.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2006.10.14

End Date:

2006.10.14

Last Calib.:

2006.10.15

Start Time: 13:34:48

End Time:

23:57:13

Time On Btm:

2006.10.14 @ 16:32:43

Time Off Btm:

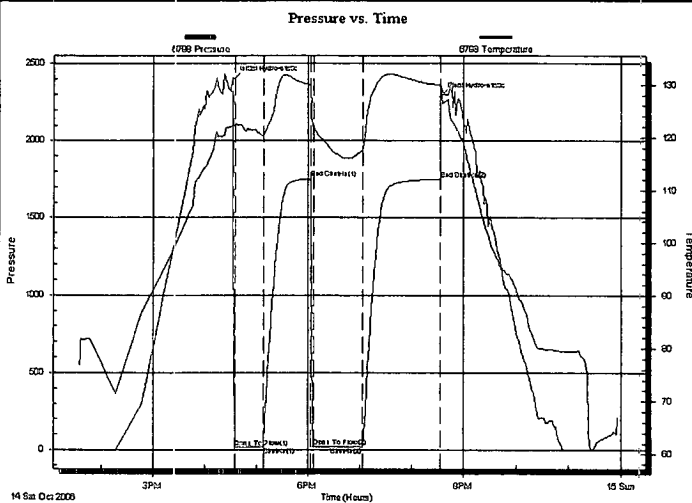
2006.10.14 @ 20:33:42

TEST COMMENT: IF Strong blow BOB in 3 1/2 mins.

ISI Weak blow Built to 1/4 "

FF Strong blow BOB in 10 secs. GTS in 2 mins. (see gas flow report) (caught gas sample)

FSI No blow



## PRESSURE SUMMARY

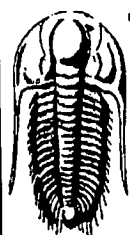
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2395.68	122.44	Initial Hydro-static
2	16.80	122.21	Open To Flow(1)
35	21.13	120.08	Shut-In(1)
91	1753.20	129.84	End Shut-In(1)
93	18.45	122.43	Open To Flow(2)
151	17.79	117.55	Shut-In(2)
241	1752.26	129.95	End Shut-In(2)
241	2284.32	130.05	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	Drilling Mud 100%M	0.42
0.00	4874' GIP	0.00
0.00		0.00

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	3.00	-
Last Gas Rate	0.25	2.75	27.37
Max. Gas Rate	0.25	4.00	29.35



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Woolsey Operating Co LLC

York "C" #1

125 N Market Ste #1000  
Wichita KS 67202

7 32 16W Comanche KS

Job Ticket: 25450

DST#: 1

ATTN: Brad Rine

Test Start: 2006.10.14 @ 13:34:43

**Tool Information**

Drill Pipe:	Length: 4904.00 ft	Diameter: 3.80 inches	Volume: 68.79 bbl	Tool Weight: 2300.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 68.79 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	4901.00 ft			Final 76000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	62.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:	Slid 14' to bottom.			

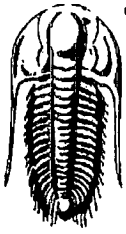
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4878.00	
Hydraulic tool	5.00			4883.00	
Jars	5.00			4888.00	
Safety Joint	3.00			4891.00	
Packer	5.00			4896.00	28.00 Bottom Of Top Packer
Packer	5.00			4901.00	
Stubb	1.00			4902.00	
Recorder	0.00	6798	Inside	4902.00	
Perforations	30.00			4932.00	
Recorder	0.00	13249	Outside	4932.00	
Bullnose	3.00			4935.00	34.00 Bottom Packers & Anchor

**Total Tool Length: 62.00**

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**TRILOBITE  
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**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Woolsey Operating Co LLC

York "C" #1

125 N Market Ste #1000  
Wichita KS 67202

7 32 16W Comanche KS

Job Ticket: 25450

DST#: 1

ATTN: Brad Rine

Test Start: 2006.10.14 @ 13:34:43

**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: 49.00 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: 3000.00 ppm			
Filter Cake: 0.02 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
30.00	Drilling Mud 100%M	0.421
0.00	4874' GIP	0.000
0.00		0.000

Total Length: 30.00 ft      Total Volume: 0.421 bbl

Num Fluid Samples: 0

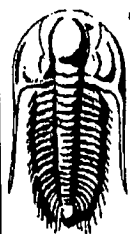
Num Gas Bombs: 1

Serial #: GA-4

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**GAS RATES**

Woolsey Operating Co LLC

York "C" #1

125 N Market Ste #1000  
Wichita KS 67202

7 32 16W Comanche KS

Job Ticket: 25450

DST#: 1

ATTN: Brad Rine

Test Start: 2006.10.14 @ 13:34:43

## Gas Rates Information

Temperature: 59 deg C

Relative Density: 0.65

Z Factor: 0.8

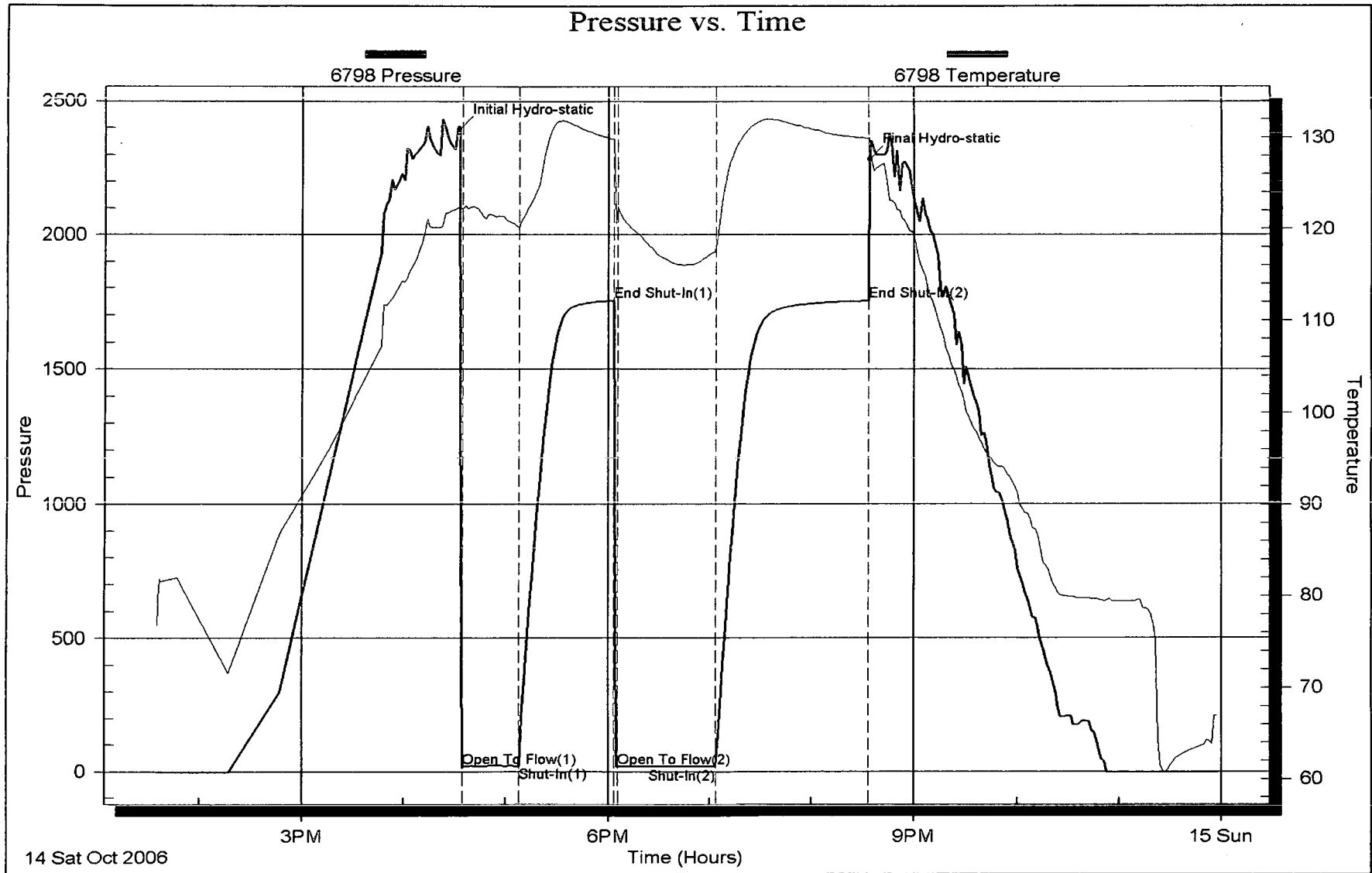
Gas Rates Table

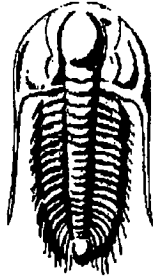
Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m <sup>3</sup> /d)
2	2	0.25	3.00	-1586396.77
2	2	0.25	3.00	27.76
2	10	0.25	4.00	29.35
2	20	0.25	3.25	28.16
2	30	0.25	3.00	27.76
2	40	0.25	2.75	27.37
2	50	0.25	2.75	27.37
2	60	0.25	2.75	27.37

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## DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co LLC**

125 N Market Ste #1000  
Wichita KS 67202

ATTN: Brad Rine

**7 32 16W Comanche KS**

**York "C" #1**

Start Date: 2006.10.15 @ 18:56:21

End Date: 2006.10.16 @ 02:49:51

Job Ticket #: 25451                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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Woolsey Operating Co LLC

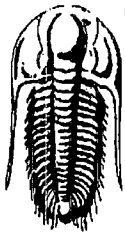
York "C" #1

7 32 16W Comanche KS

DST # 2

Mississippi

2006.10.15



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Woolsey Operating Co LLC

York "C" #1

125 N Market Ste #1000  
Wichita KS 67202

7 32 16W Comanche KS

Job Ticket: 25451      DST#: 2

ATTN: Brad Rine

Test Start: 2006.10.15 @ 18:56:21

## GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:16:51

Time Test Ended: 02:49:51

Test Type: Conventional Bottom Hole

Tester: Gerald Adams

Unit No: 36

Interval: **4976.00 ft (KB) To 5025.00 ft (KB) (TVD)**

Reference Elevations: 2036.00 ft (KB)

Total Depth: 5025.00 ft (KB) (TVD)

2026.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 6798**      Inside

Press@RunDepth:      psig @ 4979.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2006.10.15      End Date: 2006.10.16

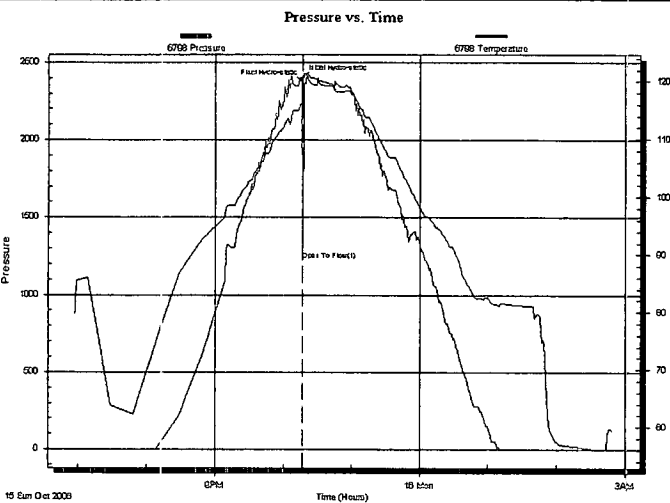
Last Calib.: 2006.10.16

Start Time: 18:56:26      End Time: 02:49:50

Time On Btm: 2006.10.15 @ 22:15:51

Time Off Btm: 2006.10.15 @ 22:17:21

TEST COMMENT: IF Tried three times to get packers to seat Packer failure- misrun



## PRESSURE SUMMARY

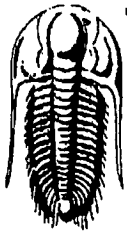
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2391.50	115.99	Initial Hydro-static
1	1226.57	120.58	Open To Flow (1)
2	2357.71	121.44	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
570.00	Drilling Mud 100%M	8.00
0.00		0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Woolsey Operating Co LLC

York "C" #1

125 N Market Ste #1000  
Wichita KS 67202

7 32 16W Comanche KS

Job Ticket: 25451

DST#: 2

ATTN: Brad Rine

Test Start: 2006.10.15 @ 18:56:21

**Tool Information**

Drill Pipe:	Length: 4967.00 ft	Diameter: 3.80 inches	Volume: 69.67 bbl	Tool Weight: 2300.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 69.67 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	4976.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	49.00 ft			
Tool Length:	77.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

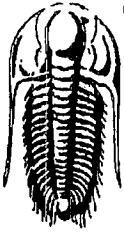
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4953.00	
Hydraulic tool	5.00			4958.00	
Jars	5.00			4963.00	
Safety Joint	3.00			4966.00	
Packer	5.00			4971.00	28.00 Bottom Of Top Packer
Packer	5.00			4976.00	
Stubb	1.00			4977.00	
Perforations	2.00			4979.00	
Recorder	0.00	6798	Inside	4979.00	
Perforations	5.00			4984.00	
Change Over Sub	1.00			4985.00	
Blank Spacing	31.00			5016.00	
Change Over Sub	1.00			5017.00	
Perforations	5.00			5022.00	
Recorder	0.00	13249	Outside	5022.00	
Bullnose	3.00			5025.00	49.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>77.00</b>				

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**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Woolsey Operating Co LLC

York "C" #1

125 N Market Ste #1000  
Wichita KS 67202

7 32 16W Comanche KS

Job Ticket: 25451

DST#: 2

ATTN: Brad Rine

Test Start: 2006.10.15 @ 18:56:21

**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: 53.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.75 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.02 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbf
570.00	Drilling Mud 100%M	7.996
0.00		0.000

Total Length: 570.00 ft

Total Volume: 7.996 bbf

Num Fluid Samples: 0

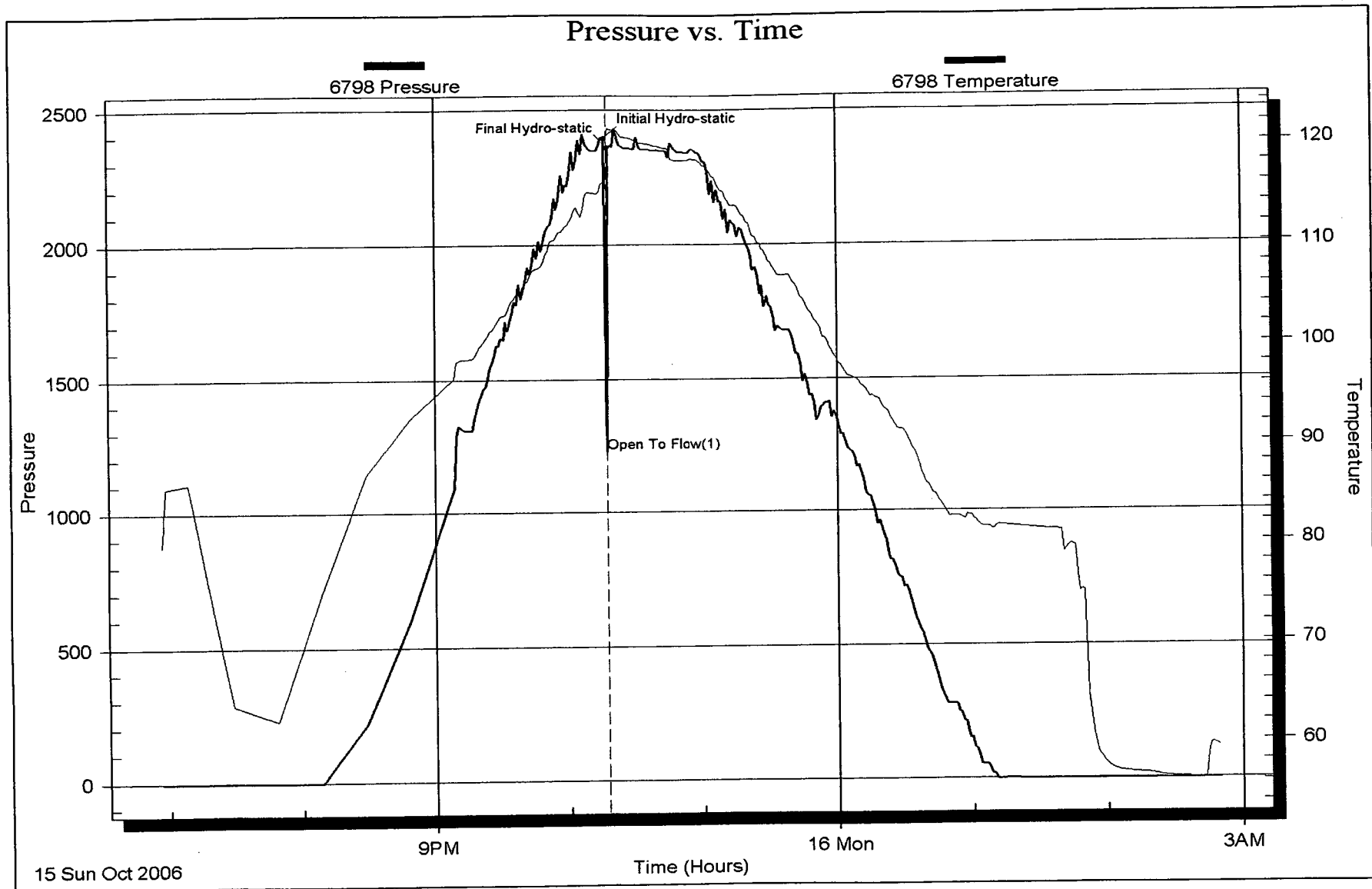
Num Gas Bombs: 0

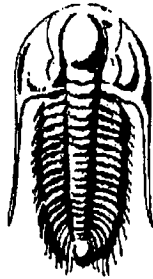
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co LLC**

125 N Market Ste #1000  
Wichita KS 67202

ATTN: Brad Rine

**7 32 16W Comanche KS**

**York "C" #1**

Start Date: 2006.10.16 @ 16:42:30

End Date: 2006.10.17 @ 05:09:00

Job Ticket #: 25452                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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Woolsey Operating Co LLC

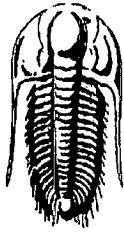
York "C" #1

7 32 16W Comanche KS

DST # 3

Mississippi

2006.10.16



**TRILOBITE TESTING, INC**

**DRILL STEM TEST REPORT**

Woolsey Operating Co LLC

York "C" #1

125 N Market Ste #1000  
Wichita KS 67202

7 32 16W Comanche KS

Job Ticket: 25452

DST#: 3

ATTN: Brad Rine

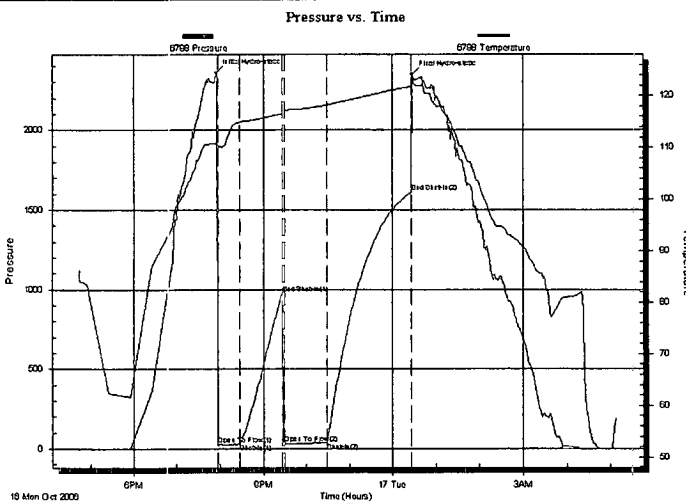
Test Start: 2006.10.16 @ 16:42:30

**GENERAL INFORMATION:**

Formation: **Mississippi**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole  
 Time Tool Opened: 19:57:00  
 Tester: Gerald Adams  
 Time Test Ended: 05:09:00  
 Unit No: 36  
 Interval: **4929.00 ft (KB) To 5047.00 ft (KB) (TVD)**  
 Reference Elevations: 2036.00 ft (KB)  
 Total Depth: 5047.00 ft (KB) (TVD)  
 2026.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 KB to GR/CF: 10.00 ft

**Serial #: 6798** Inside  
 Press@RunDepth: 33.84 psig @ 4936.00 ft (KB) Capacity: 7000.00 psig  
 Start Date: 2006.10.16 End Date: 2006.10.17 Last Calib.: 2006.10.17  
 Start Time: 16:42:35 End Time: 05:09:00 Time On Btm: 2006.10.16 @ 19:54:30  
 Time Off Btm: 2006.10.17 @ 00:27:00

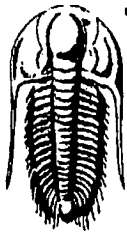
**TEST COMMENT:** IF Strong blow BOB in 14 mins.  
 ISI Strong blow BOB in 16 mins.  
 FF Strong blow BOB immediately GTS in 29 mins. (see gas flow report) (caught gas sample)  
 FSI No blow



PRESSURE SUMMARY			
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2358.34	110.80	Initial Hydro-static
3	25.18	110.22	Open To Flow (1)
33	28.43	114.96	Shut-In(1)
93	976.28	116.51	End Shut-In(1)
96	31.21	117.04	Open To Flow (2)
154	33.84	118.21	Shut-In(2)
272	1611.29	121.78	End Shut-In(2)
273	2345.30	124.26	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
60.00	SGCM 2%G 98%M	0.84
0.00	4874' GIP	0.00
0.00		0.00

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	2.00	6.18
Last Gas Rate	0.13	4.50	7.11
Max. Gas Rate	0.13	4.50	7.11



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Woolsey Operating Co LLC

York "C" #1

125 N Market Ste #1000  
Wichita KS 67202

7 32 16W Comanche KS

Job Ticket: 25452

DST#: 3

ATTN: Brad Rine

Test Start: 2006.10.16 @ 16:42:30

**Tool Information**

Drill Pipe:	Length: 4934.00 ft	Diameter: 3.80 inches	Volume: 69.21 bbl	Tool Weight:	2300.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	lb
			<b>Total Volume: 69.21 bbl</b>	Tool Chased	0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial	77000.00 lb
Depth to Top Packer:	4929.00 ft			Final	lb
Depth to Bottom Packer:	ft				
Interval between Packers:	118.00 ft				
Tool Length:	146.00 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			4906.00	
Hydraulic tool	5.00			4911.00	
Jars	5.00			4916.00	
Safety Joint	3.00			4919.00	
Packer	5.00			4924.00	28.00 Bottom Of Top Packer
Packer	5.00			4929.00	
Stubb	1.00			4930.00	
Perforations	5.00			4935.00	
Change Over Sub	1.00			4936.00	
Recorder	0.00	6798	Inside	4936.00	
Blank Spacing	95.00			5031.00	
Change Over Sub	1.00			5032.00	
Perforations	12.00			5044.00	
Recorder	0.00	13249	Outside	5044.00	
Bullnose	3.00			5047.00	118.00 Bottom Packers & Anchor

**Total Tool Length: 146.00**

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**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Woolsey Operating Co LLC

York "C" #1

125 N Market Ste #1000  
Wichita KS 67202

7 32 16W Comanche KS

Job Ticket: 25452

DST#: 3

ATTN: Brad Rine

Test Start: 2006.10.16 @ 16:42:30

**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:

bbf

Water Loss: 8.76 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 0.02 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbf
60.00	SGCM 2%G 98%M	0.842
0.00	4874' GIP	0.000
0.00		0.000

Total Length: 60.00 ft Total Volume: 0.842 bbf

Num Fluid Samples: 0

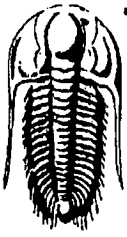
Num Gas Borings: 1

Serial #: GA-6

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**GAS RATES**

Woolsey Operating Co LLC

York "C" #1

125 N Market Ste #1000  
Wichita KS 67202

7 32 16W Comanche KS

Job Ticket: 25452

DST#: 3

ATTN: Brad Rine

Test Start: 2006.10.16 @ 16:42:30

## Gas Rates Information

Temperature: 59 deg C  
Relative Density: 0.65  
Z Factor: 0.8

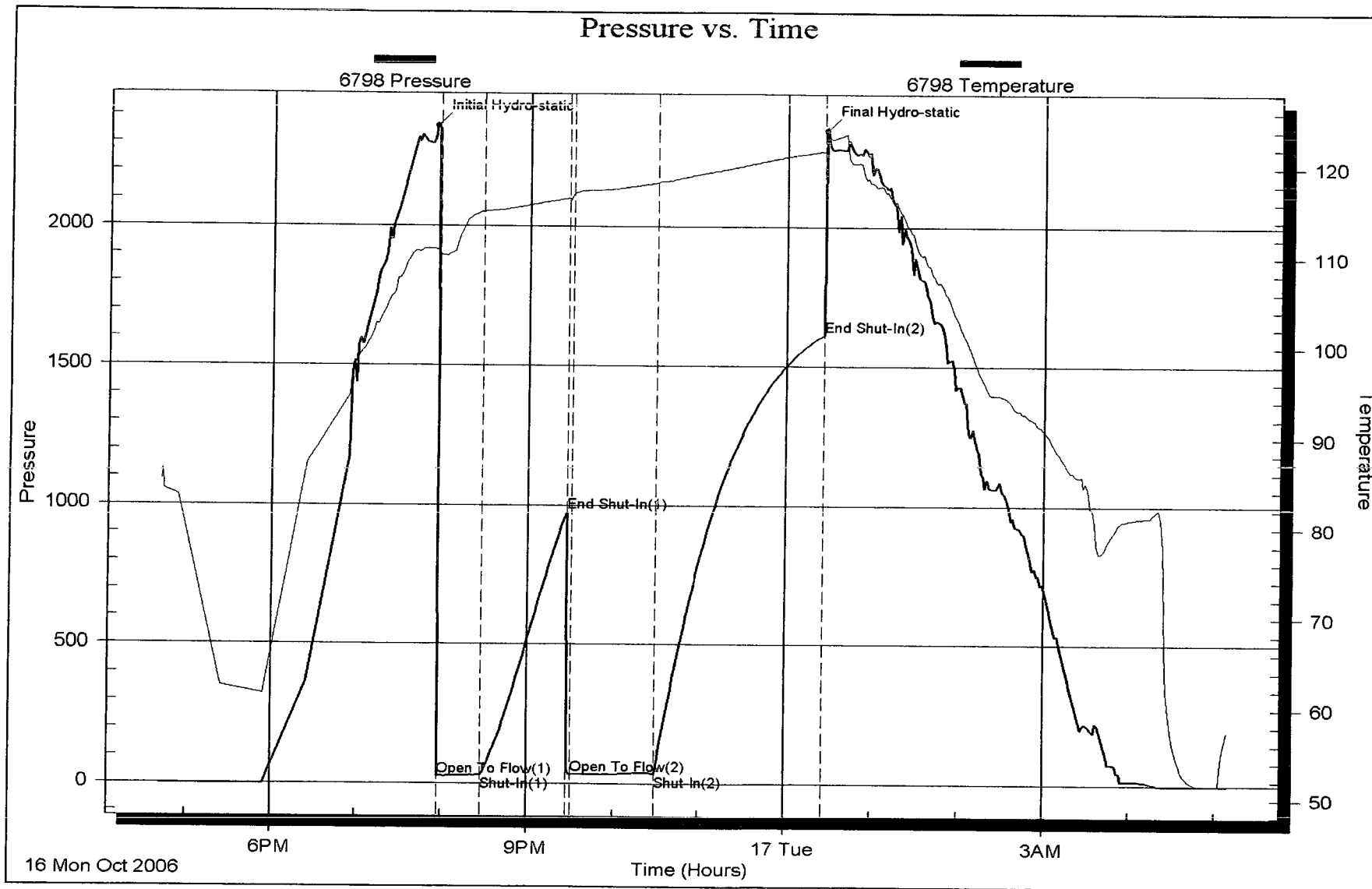
Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m <sup>3</sup> /d)
2	40	0.13	2.00	6.18
2	40	0.13	2.00	6.18
2	50	0.13	3.00	6.55
2	60	0.13	4.50	7.11

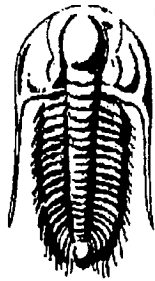
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WICHITA, KS







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**TESTING, INC.**

### DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co LLC**

125 N Market Ste #1000  
Wichita KS 67202

ATTN: Brad Rine

**7 32 16W Comanche KS**

**York "C" #1**

Start Date: 2006.10.17 @ 21:11:36

End Date: 2006.10.18 @ 08:42:06

Job Ticket #: 25453                      DST #: 4

CONFIDENTIAL

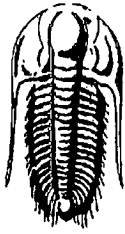
1-31-09

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WICHITA, KS

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Woolsey Operating Co LLC

York "C" #1

125 N Market Ste #1000  
Wichita KS 67202

7 32 16W Comanche KS

ATTN: Brad Rine

Job Ticket: 25453

DST#: 4

Test Start: 2006.10.17 @ 21:11:36

## GENERAL INFORMATION:

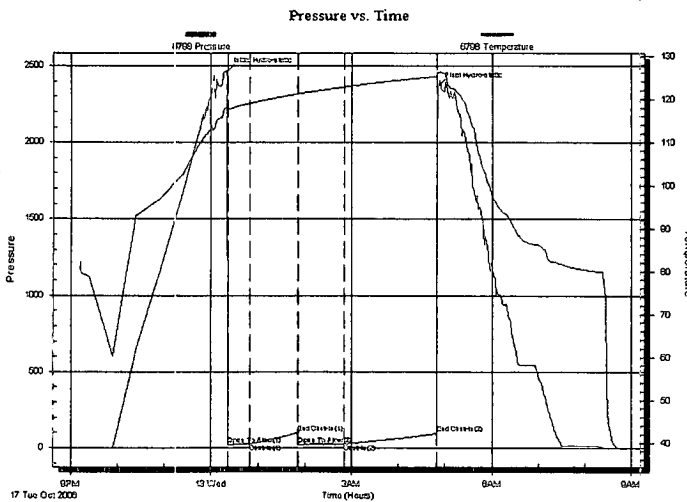
Formation: **Mississippi**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 00:21:06  
 Time Test Ended: 08:42:06  
 Interval: **5048.00 ft (KB) To 5100.00 ft (KB) (TVD)**  
 Total Depth: 5100.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Gerald Adams  
 Unit No: 36  
 Reference Elevations: 2036.00 ft (KB)  
 2026.00 ft (CF)  
 KB to GR/CF: 10.00 ft

## Serial #: 6798

Inside

Press@RunDepth: 26.04 psig @ 5055.00 ft (KB)  
 Start Date: 2006.10.17 End Date: 2006.10.18  
 Start Time: 21:11:41 End Time: 08:42:06  
 Capacity: 7000.00 psig  
 Last Calib.: 2006.10.18  
 Time On Btm: 2006.10.18 @ 00:20:06  
 Time Off Btm: 2006.10.18 @ 04:50:35

TEST COMMENT: IF Weak blow Built to 1 3/4 "  
 ISI No blow  
 FF Weak blow Built to 1 "  
 FSI No blow



## PRESSURE SUMMARY

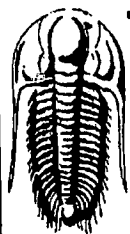
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2459.23	118.07	Initial Hydro-static
1	18.45	117.55	Open To Flow (1)
30	28.18	119.00	Shut-In(1)
91	98.55	121.17	End Shut-In(1)
92	16.95	121.16	Open To Flow (2)
150	26.04	122.75	Shut-In(2)
270	95.97	125.24	End Shut-In(2)
271	2363.16	125.93	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	Drilling Mud 100%M	0.42
0.00		0.00

## Gas Rates

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



**TRILOBITE**  
**TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Woolsey Operating Co LLC

York "C" #1

125 N Market Ste #1000  
Wichita KS 67202

7 32 16W Comanche KS

Job Ticket: 25453

DST#: 4

ATTN: Brad Rine

Test Start: 2006.10.17 @ 21:11:36

**Tool Information**

Drill Pipe:	Length: 5030.00 ft	Diameter: 3.80 inches	Volume: 70.56 bbl	Tool Weight: 2300.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 115000.0 lb
			<u>Total Volume: 70.56 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	5048.00 ft			Final 76000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	52.00 ft			
Tool Length:	80.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

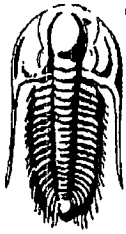
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			5025.00	
Hydraulic tool	5.00			5030.00	
Jars	5.00			5035.00	
Safety Joint	3.00			5038.00	
Packer	5.00			5043.00	28.00 Bottom Of Top Packer
Packer	5.00			5048.00	
Stubb	1.00			5049.00	
Perforations	5.00			5054.00	
Change Over Sub	1.00			5055.00	
Recorder	0.00	6798	Inside	5055.00	
Blank Spacing	31.00			5086.00	
Change Over Sub	1.00			5087.00	
Perforations	10.00			5097.00	
Recorder	0.00	13249	Outside	5097.00	
Bullnose	3.00			5100.00	52.00 Bottom Packers & Anchor

**Total Tool Length: 80.00**

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**TRILOBITE  
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**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Woolsey Operating Co LLC

York "C" #1

125 N Market Ste #1000  
Wichita KS 67202

7 32 16W Comanche KS

Job Ticket: 25453

DST#: 4

ATTN: Brad Rine

Test Start: 2006.10.17 @ 21:11:36

**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: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.38 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 6500.00 ppm			
Filter Cake: 0.02 inches			

**Recovery Information**

Recovery Table

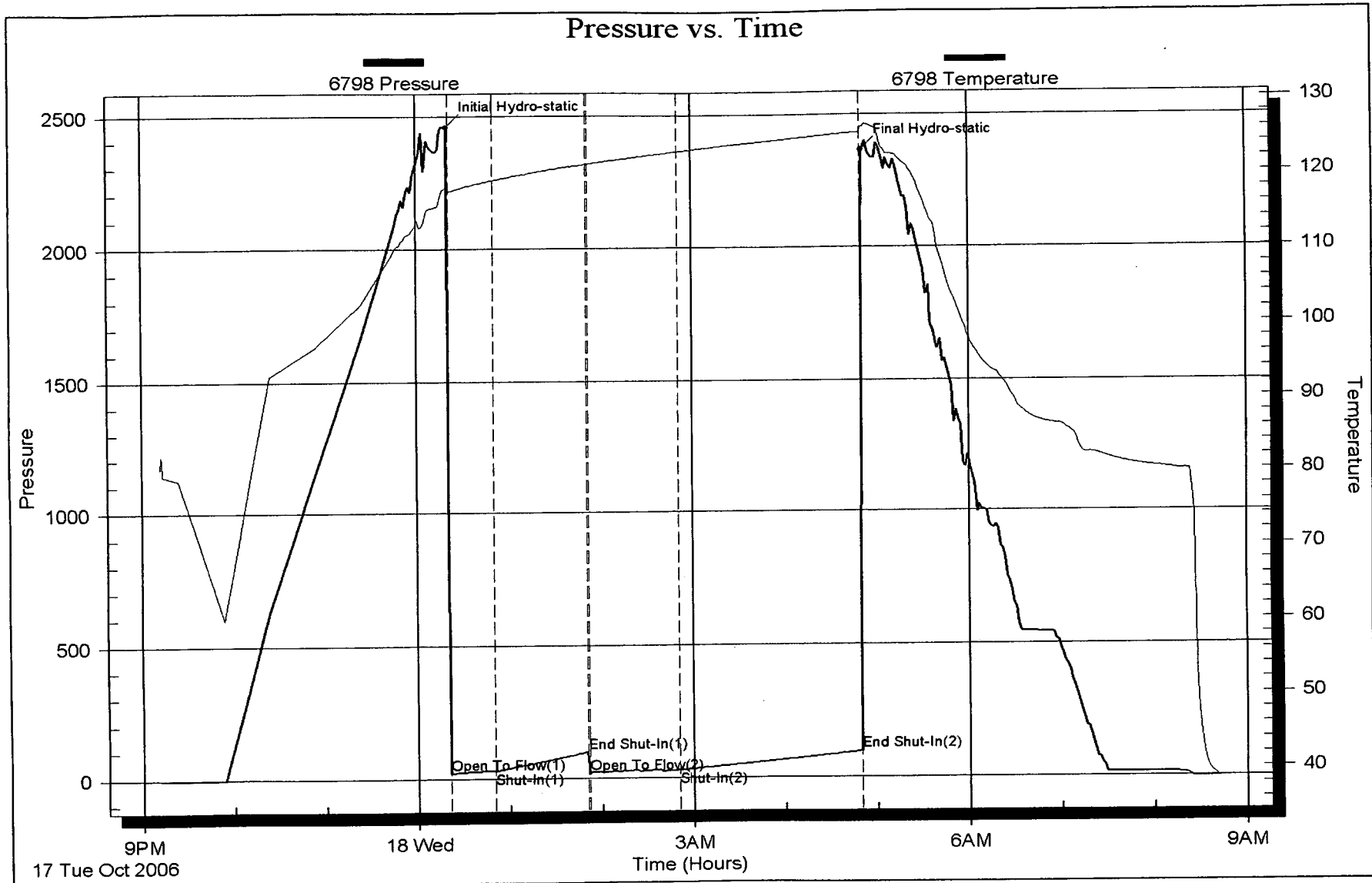
Length ft	Description	Volume bbl
30.00	Drilling Mud 100%M	0.421
0.00		0.000

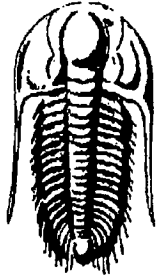
Total Length: 30.00 ft      Total Volume: 0.421 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #: none

Laboratory Name:      Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Prepared For: **Woolsey Opererating Co LLC**

125 N Market Ste #1000  
Wichita KS67202

ATTN: Brad Rine

**7 32 16 Comanche KS**

**York "C" #1**

Start Date: 2006.10.19 @ 21:14:13

End Date: 2006.10.20 @ 10:59:13

Job Ticket #: 25454                      DST #: 5

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

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**OCT 27 2006**

Woolsey Operating Co LLC

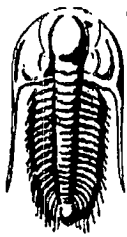
York "C" #1

7 32 16 Comanche KS

DST # 5

Simpson

2006.10.19



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Woolsey Operating Co LLC

York "C" #1

125 N Market Ste #1000  
Wichita KS67202

7 32 16 Comanche KS

ATTN: Brad Rine

Job Ticket: 25454

DST#: 5

Test Start: 2006.10.19 @ 21:14:13

## GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:47:13

Time Test Ended: 10:59:13

Test Type: Conventional Bottom Hole

Tester: Gerald Adams

Unit No: 36

Interval: **5394.00 ft (KB) To 5436.00 ft (KB) (TVD)**

Reference Elevations: 2036.00 ft (KB)

Total Depth: 5436.00 ft (KB) (TVD)

2026.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: **6798** Inside

Press@RunDepth: 1903.79 psig @ 5400.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2006.10.19

End Date:

2006.10.20

Last Calib.: 2006.10.20

Start Time: 21:14:18

End Time:

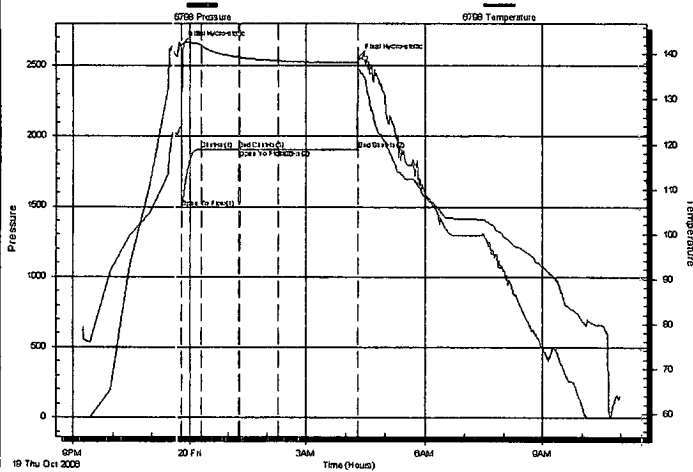
10:59:13

Time On Btm: 2006.10.19 @ 23:46:43

Time Off Btm: 2006.10.20 @ 04:19:42

TEST COMMENT: IF Strong blow BOB in 10 secs., decreased to 10 "  
ISI No blow  
FF Weak blow Built to 3/4 " decreased to 1/4 "  
FSI No blow

Pressure vs. Time



## PRESSURE SUMMARY

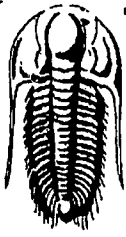
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2643.35	123.89	Initial Hydro-static
1	1490.22	124.73	Open To Flow (1)
31	1902.54	141.92	Shut-In (1)
90	1903.53	139.33	End Shut-In (1)
91	1903.53	139.29	Open To Flow (2)
151	1903.79	138.58	Shut-In (2)
273	1904.06	138.19	End Shut-In (2)
273	2554.38	138.01	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
630.00	WCM 40%W 60%M	8.84
3245.00	Clean Saltwater 100%W	45.52
0.00	.030 @ 46.5 deg. 180000 ppm.	0.00
0.00		0.00

## Gas Rates

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



**TRILOBITE**  
**TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Woolsey Operating Co LLC

York "C" #1

125 N Market Ste #1000  
Wichita KS67202

7 32 16 Comanche KS

Job Ticket: 25454

DST#: 5

ATTN: Brad Rine

Test Start: 2006.10.19 @ 21:14:13

**Tool Information**

Drill Pipe:	Length: 5372.00 ft	Diameter: 3.80 inches	Volume: 75.36 bbl	Tool Weight: 2300.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 110000.0 lb
			<u>Total Volume: 75.36 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 82000.00 lb
Depth to Top Packer:	5394.00 ft			Final 106000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	70.00 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			5371.00	
Hydraulic tool	5.00			5376.00	
Jars	5.00			5381.00	
Safety Joint	3.00			5384.00	
Packer	5.00			5389.00	28.00 Bottom Of Top Packer
Packer	5.00			5394.00	
Stubb	1.00			5395.00	
Perforations	5.00			5400.00	
Recorder	0.00	6798	Inside	5400.00	
Perforations	33.00			5433.00	
Recorder	0.00	13249	Outside	5433.00	
Bullnose	3.00			5436.00	42.00 Bottom Packers & Anchor

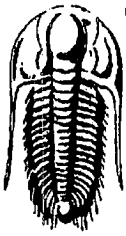
**Total Tool Length: 70.00**

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TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Woolsey Operating Co LLC

York "C" #1

125 N Market Ste #1000  
Wichita KS67202

7 32 16 Comanche KS

Job Ticket: 25454

DST#: 5

ATTN: Brad Rine

Test Start: 2006.10.19 @ 21:14:13

## 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: 52.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.75 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.02 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
630.00	WCM 40%W 60%M	8.837
3245.00	Clean Saltwater 100%W	45.519
0.00	.080 @ 46.5 deg. 180000 ppm.	0.000
0.00		0.000

Total Length: 3875.00 ft

Total Volume: 54.356 bbf

Num Fluid Samples: 0

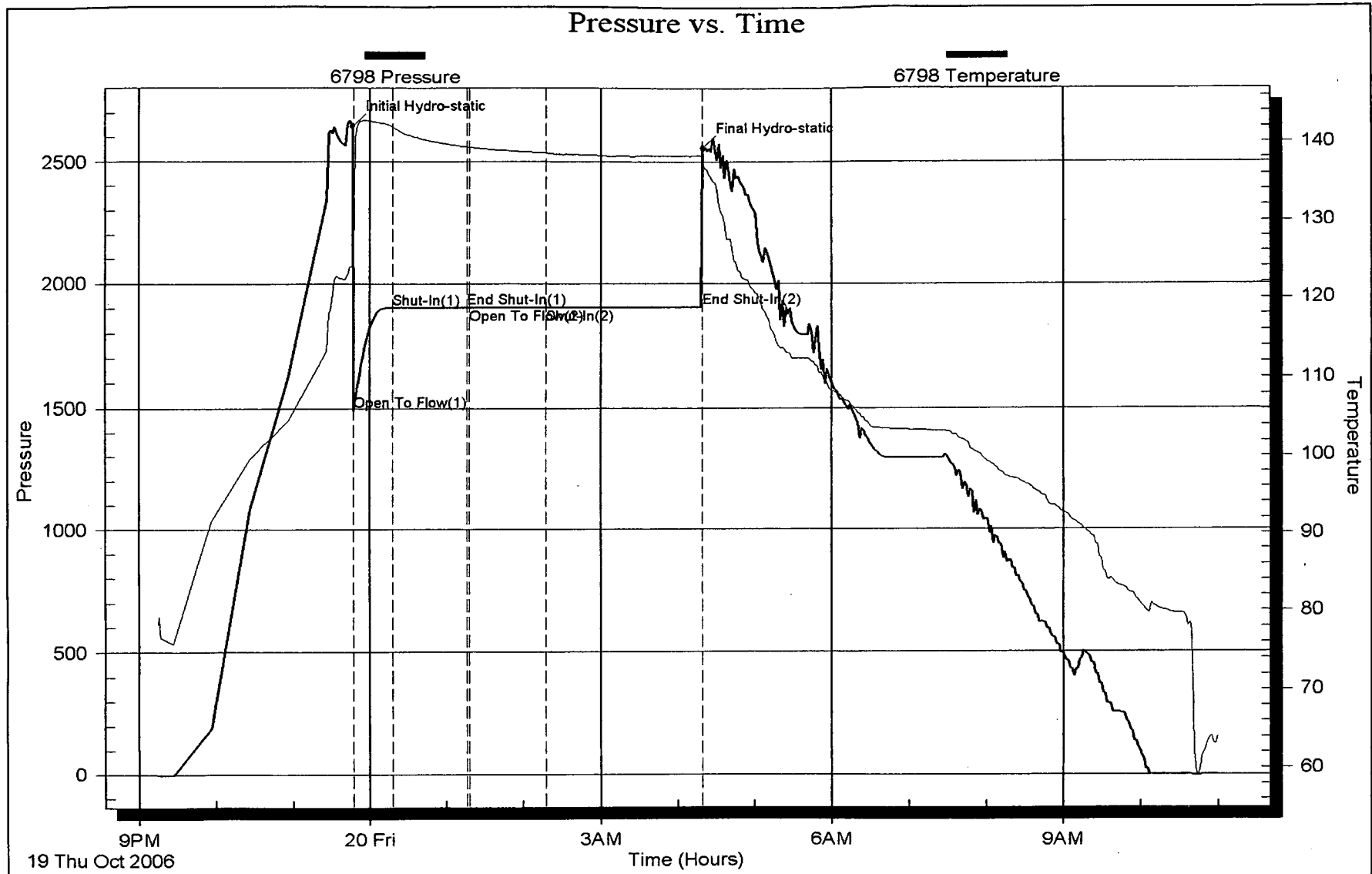
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:



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