

# CONFIDENTIAL

JAN 26 2007

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

CONSERVATION DIVISION  
WICHITA, KS

Form ACO-1  
September 1999  
Form Must Be Typed

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: Plains Marketing  
Operator Contact Person: Dean Pattison, Operations Manager  
Phone: (316) 267-4379 ext 107  
Contractor: Name: Warren Drilling LLC  
License: 33724

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Wellsite Geologist: Roger Martin  
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>09/28/2006</u>	<u>10/12/2006</u>	<u>01/08/2007</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 007-23064 0000  
County: Barber  
C S2 NE NE Sec. 05 Twp. 34 S. R. 11  East  West  
990' FNL \_\_\_\_\_ feet from S / (N) (circle one) Line of Section  
660' 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: SPICER 'A' Well #: 1  
Field Name: Roundup South  
Producing Formation: Mississippian  
Elevation: Ground: 1437 Kelly Bushing: 1446  
Total Depth: 5220 Plug Back Total Depth: 5137  
Amount of Surface Pipe Set and Cemented at 262 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 AKINH 9-10-08  
(Data must be collected from the Reserve Pit)  
Chloride content n/a ppm Fluid volume n/a bbls  
Dewatering method used Haul off free fluids and allow to dehydrate  
Location of fluid disposal if hauled offsite:  
Operator Name: Woolsey Operating Company, LLC  
Lease Name: Clarke 1 SWD License No.: 33168  
Quarter \_\_\_\_\_ Sec. 8 Twp. 32 S. R. 12  East  West  
County: Barber Docket No.: D-28,492

**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 Pattison, Operations Manager Date: 01/26/2007  
Subscribed and sworn to before me this 26<sup>th</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



Operator Name: WOOLSEY OPERATING COMPANY, LLC Lease Name: SPICER 'A' Well #: 1  
 Sec. 05 Twp. 34 S. R. 11  East  West County: Barber

**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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Onaga	2657 -1211
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Elgin sand	3508 -2062
List All E. Logs Run:		Douglas	3670 -2224
Compensated Neutron Density		Base Kansas City	4411 -2965
Dual Induction		Mississippian	4584 -3138
Sonic	Cement Bond	Viola	4908 -3462
		Simpson	5000 -3554
		Arbuckle	5184 -3738

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	14 1/2"	10 3/4"	30# / ft	262	Class A	200	2% gel, 3% cc
Production	7 7/8"	4 1/2"	10.5# / ft	5188	ASC	260	6% Kolseal, 1/4# Floseal, 10% Salt, 6# Gilsontite, .8% FL160

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				

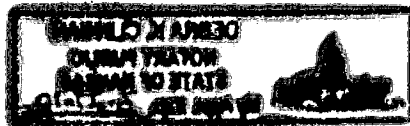
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
5	5031' - 5033' Simpson	none	

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**JAN 26 2007**  
**CONSERVATION DIVISION**  
**WICHITA, KS**

TUBING RECORD	Size 2 3/8"	Set At 5094	Packer At n/a	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. 01/05/2007	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. 30	Gas Mcf - 0 -	Water Bbls. - 0 -	Gas-Oil Ratio n/a
				Gravity 42

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

Production Interval:  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify)



# ALLIED CEMENTING CO., INC. 24668

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

SERVICE POINT: Medford

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KANSAS CORPORATION COMMISSION

JAN 26 2007

CONSERVATION DIVISION  
WICHITA, KS

DATE <u>9-28-06</u>	SEC. <u>02</u>	TWP. <u>34s</u>	RANGE <u>11W</u>	CALLED OUT <u>7:30pm</u>	ON LOCATION <u>9:00pm</u>	JOB START <u>1:30 AM</u>	JOB FINISH <u>2:00 AM</u>
LEASE <u>Spin</u>	WELL # <u>A-1</u>	LOCATION <u>Sharon Ks + Hayton</u>			COUNTY <u>Barber</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>			RD <u>9s 4w Santa</u>				

CONTRACTOR Warren #9

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 262

CASING SIZE 10 3/4 DEPTH 241

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

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

TOOL Landing Joint DEPTH 15 ft

PRES. MAX 200 MINIMUM 100

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

CEMENT LEFT IN CSG. 15 ft

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

DISPLACEMENT 21 3/4 bbls

EQUIPMENT \_\_\_\_\_

PUMP TRUCK CEMENTER Mark

# 343 HELPER Steve

BULK TRUCK \_\_\_\_\_

# 389 DRIVER Randy

BULK TRUCK \_\_\_\_\_

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

OWNER Walsley

CEMENT AMOUNT ORDERED 200 A 3+2

COMMON	<u>200 A</u>	@	<u>10.65</u>	<u>2130.00</u>
POZMIX		@		
GEL	<u>4</u>	@	<u>16.65</u>	<u>66.60</u>
CHLORIDE	<u>7</u>	@	<u>46.60</u>	<u>326.20</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>211</u>	@	<u>1.90</u>	<u>400.90</u>
MILEAGE	<u>23 x 211</u>	@	<u>4.09</u>	<u>436.77</u>
				TOTAL <u>3360.47</u>

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REMARKS:

Pipe on bottom + circulate pump 2 fresh + mix 200 A B + 2 shut down pumps + start displacement pump 21 3/4 bbls + shut in cement did circulate

SERVICE

DEPTH OF JOB	<u>256 ft</u>		
PUMP TRUCK CHARGE			<u>815.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>23</u>	@	<u>6.00</u>
MANIFOLD		@	
		@	
		@	

CHARGE TO: Walsley

STREET \_\_\_\_\_

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

TOTAL 953.00

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	

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 953.00

DISCOUNT 0.00 IF PAID IN 30 DAYS

SIGNATURE Rob Glover

Rob Glover  
PRINTED NAME

# ALLIED CEMENTING CO., INC. 24849

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KANSAS CORPORATION COMMISSION

JAN 26 2007

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

SERVICE POINT:  
Medicine Lodge, KS

CONSERVATION DIVISION  
WICHITA, KS

DATE <u>14 Oct 06</u>	SEC. <u>02</u>	TWP. <u>34S</u>	RANGE <u>11W</u>	CALLED OUT <u>0430pm</u>	ON LOCATION <u>12:00 AM</u>	JOB START <u>7:00 AM</u>	JOB FINISH <u>10:30 AM</u>
LEASE <u>Spiced</u>	WELL # <u>A-1</u>	LOCATION <u>Shawnee and Hazelton Rd, 9S, 4W,</u>			COUNTY <u>Barber</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)			<u>SP</u>				

CONTRACTOR Waxson #9  
 TYPE OF JOB Production Casing  
 HOLE SIZE 7 7/8 I.D. 5220  
 CASING SIZE 4 1/2 DEPTH 5188  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX 1500 MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT 43.3  
 CEMENT LEFT IN CSG. 43'  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 83% Bbb 2% KCL Water

OWNER Woolsey Oper. Co.  
 CEMENT AMOUNT ORDERED 285sx" H + 10% log up + 10% salt + 6% Kalseal + .8% FL-160 + 1/4 # Flo Seal AND 500 gal ASF AND 8 gal Clapao

EQUIPMENT  
 PUMP TRUCK CEMENTER D. Felio  
 # 352 HELPER M. Coley  
 BULK TRUCK DRIVER C. Willard  
 # 368  
 BULK TRUCK DRIVER \_\_\_\_\_  
 # \_\_\_\_\_

COMMON	<u>285 H</u>	@	<u>12.75</u>	<u>3633.75</u>
POZMIX		@		
GEL		@		
CHLORIDE		@		
ASC		@		
Gypseal	<u>27</u>	@	<u>23.35</u>	<u>630.45</u>
Salt	<u>31</u>	@	<u>9.60</u>	<u>297.60</u>
Kalseal	<u>1710 #</u>	@	<u>.70</u>	<u>1197.00</u>
FL-160	<u>214 #</u>	@	<u>10.65</u>	<u>2279.10</u>
Flo Seal	<u>71 #</u>	@	<u>2.00</u>	<u>142.00</u>
ASF	<u>500 gal.</u>	@	<u>1.00</u>	<u>500.00</u>
Clapao	<u>8 gal.</u>	@	<u>25.00</u>	<u>200.00</u>
HANDLING	<u>384</u>	@	<u>1.90</u>	<u>729.60</u>
MILEAGE	<u>23 x 384</u>	x	<u>.09</u>	<u>794.88</u>
TOTAL				<u>10404.38</u>

REMARKS:

Pipe on Brrm, Break Cicc, Pump Pre-flush, Plug Rat & manihole, Mix 260 SX Cement, Stop Pump, Wash Pump & lines, Release Plug, Start Disp. w/ 2% KCL water, See Steady increase in PSI, Slow Rate, Bump Plug at 83% Bbb 2% KCL water Disp. total, Release PSI, Float Did Hold

SERVICE

DEPTH OF JOB	<u>5188</u>		
PUMP TRUCK CHARGE			<u>1840.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>23</u>	@	<u>6.00</u> <u>138.00</u>
MANIFOLD head rental		@	<u>100.00</u> <u>100.00</u>
TOTAL <u>2078.00</u>			

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

PLUG & FLOAT EQUIPMENT

1-AFU Float Shoe	@	<u>200.00</u>	<u>200.00</u>
1-Latch down Plug Assy.	@	<u>325.00</u>	<u>325.00</u>
16-turbolizers	@	<u>55.00</u>	<u>880.00</u>
19-Recip. Scatchers	@	<u>35.00</u>	<u>665.00</u>

ANY APPLICABLE TAX WILL BE CHARGED UPON INVOICING TOTAL 2070.00

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

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.

SIGNATURE Robert Moorehead

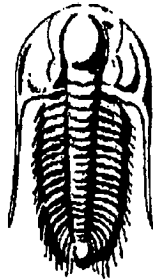
Robert Moorehead  
 PRINTED NAME

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KANSAS CORPORATION COMMISSION

JAN 26 2007

CONSERVATION DIVISION  
WICHITA, KS



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

**KCC**  
JAN 26 2007  
**CONFIDENTIAL**

## DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating CO LLC**

125 N Market Ste 1000  
Wichita KS 67202

ATTN: Roger Martin

**2 34S 11W Barber KS**

**Spicer A-1**

Start Date: 2006.10.05 @ 20:30:55

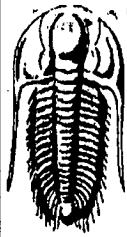
End Date: 2006.10.06 @ 05:55:40

Job Ticket #: 25780                      DST #: 1

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

**Spicer A-1**

125 N Market Ste 1000  
Wichita KS 67202

**2 34S 11W Barber KS**

Job Ticket: 25780

DST#: 1

ATTN: Roger Martin

Test Start: 2006.10.05 @ 20:30:55

## GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:20:10

Time Test Ended: 05:55:40

Test Type: Conventional Bottom Hole

Tester: Travy Cushenbery/ Pa

Unit No: 30

Interval: 4503.00 ft (KB) To 4531.00 ft (KB) (TVD)

Total Depth: 4531.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1446.00 ft (KB)

1435.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6668

Inside

Press@RunDepth: 23.36 psig @ 4508.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2006.10.05

End Date: 2006.10.06

Last Calib.: 2006.10.06

Start Time: 20:31:00

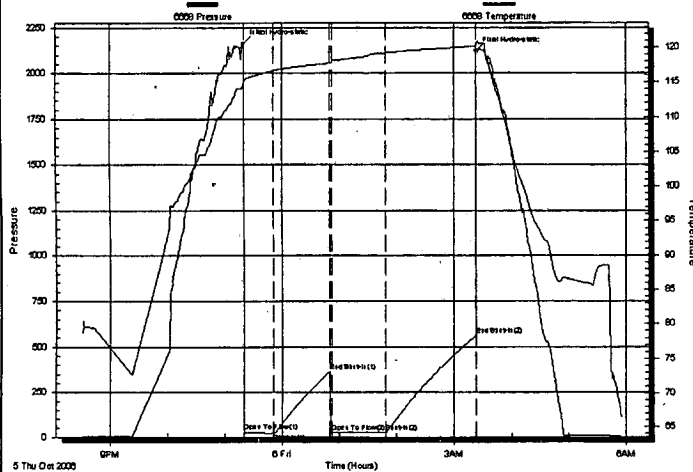
End Time: 05:55:40

Time On Btm: 2006.10.05 @ 23:19:40

Time Off Btm: 2006.10.06 @ 03:23:09

TEST COMMENT: IF Strong blow BOB in 11 mins.  
ISI Weak surface blow back  
FF Strong blow BOB immediately Slowly decreased blow to 9"  
FSI No blow back

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2164.04	115.30	Initial Hydro-static
1	28.50	114.95	Open To Flow (1)
32	22.96	116.69	Shut-In(1)
91	365.72	117.72	End Shut-In(1)
92	24.06	117.90	Open To Flow (2)
149	23.36	119.20	Shut-In(2)
244	560.33	120.18	End Shut-In(2)
244	2120.58	120.51	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	100%M	0.10

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Woolsey Operating CO LLC

**Spicer A-1**

125 N Market Ste 1000  
Wichita KS 67202

**2 34S 11W Barber KS**

Job Ticket: 25780

**DST#: 1**

ATTN: Roger Martin

Test Start: 2006.10.05 @ 20:30:55

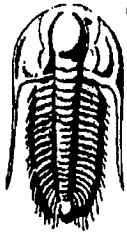
**Tool Information**

Drill Pipe:	Length: 4264.00 ft	Diameter: 3.80 inches	Volume: 59.81 bbl	Tool Weight: 2100.00 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: 226.00 ft	Diameter: 2.25 inches	Volume: 1.11 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 60.92 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4503.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	56.00 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			4480.00	
Hydraulic tool	5.00			4485.00	
Jars	5.00			4490.00	
Safety Joint	3.00			4493.00	
Packer	5.00			4498.00	28.00 Bottom Of Top Packer
Packer	5.00			4503.00	
Stubb	1.00			4504.00	
Perforations	4.00			4508.00	
Recorder	0.00	6668	Inside	4508.00	
Perforations	20.00			4528.00	
Recorder	0.00	13266	Outside	4528.00	
Bullnose	3.00			4531.00	28.00 Bottom Packers & Anchor

**Total Tool Length: 56.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Woolsey Operating CO LLC

**Spicer A-1**

125 N Market Ste 1000  
Wichita KS 67202

**2 34S 11W Barber KS**

Job Ticket: 25780

**DST#: 1**

ATTN: Roger Martin

Test Start: 2006.10.05 @ 20:30:55

**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: 44.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.95 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 0.20 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
20.00	100%M	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

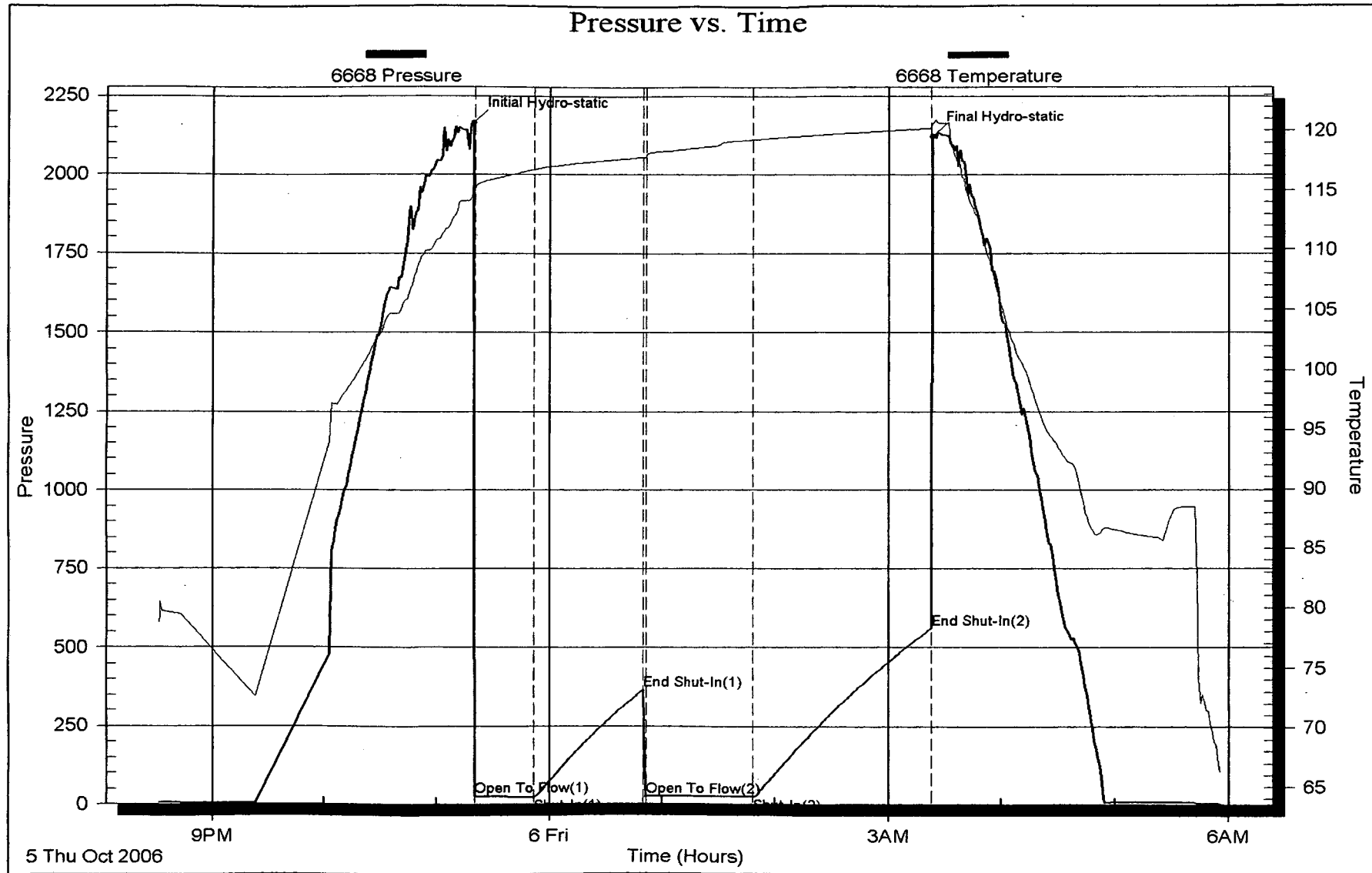
Serial #:

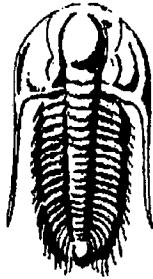
Laboratory Name:

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: Roger Martin

**2 34S 11W Barber KS**

**Spicer A-1**

Start Date: 2006.10.07 @ 00:20:01

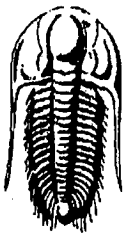
End Date: 2006.10.07 @ 11:43:46

Job Ticket #: 25781                      DST #: 2

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

**Spicer A-1**

125 N Market Ste 1000  
Wichita KS 67202

**2 34S 11W Barber KS**

ATTN: Roger Martin

Job Ticket: 25781

**DST#: 2**

Test Start: 2006.10.07 @ 00:20:01

## GENERAL INFORMATION:

Formation: **Miss.**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 04:01:01

Time Test Ended: 11:43:46

Test Type: **Conventional Bottom Hole**

Tester: **Travy Cushenbery**

Unit No: **30**

Interval: **4576.00 ft (KB) To 4616.00 ft (KB) (TVD)**

Reference Elevations: **1446.00 ft (KB)**

Total Depth: **4616.00 ft (KB) (TVD)**

**1435.00 ft (CF)**

Hole Diameter: **7.80 inches** Hole Condition: **Good**

KB to GR/CF: **11.00 ft**

**Serial #: 6668**

**Inside.**

Press@RunDepth: **75.32 psig @ 4580.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2006.10.07**

End Date: **2006.10.07**

Last Calib.: **2006.10.07**

Start Time: **00:20:06**

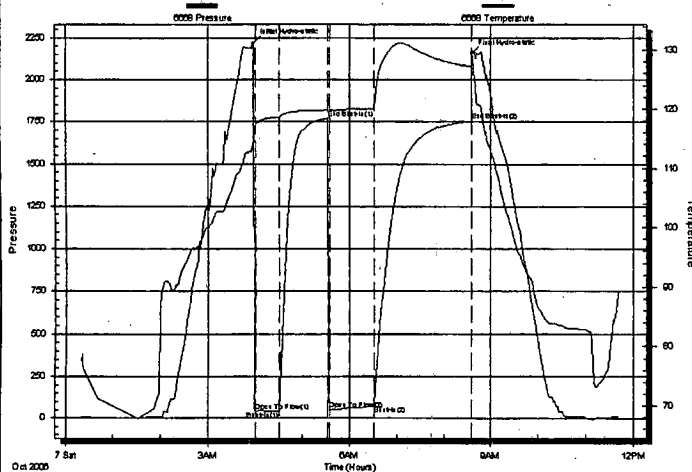
End Time: **11:43:46**

Time On Btm: **2006.10.07 @ 03:58:01**

Time Off Btm: **2006.10.07 @ 08:35:30**

**TEST COMMENT:** IF Strong blow BOB in 1 min. Gas to surface in 25 mins. Too small to gauge  
ISI No blow back  
FF Strong blow ( See gas report)  
ISI No blow back

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2217.58	114.76	Initial Hydro-static
3	43.36	117.38	Open To Flow (1)
33	43.32	118.55	Shut-In(1)
95	1769.86	119.75	End Shut-In(1)
96	51.58	119.56	Open To Flow (2)
154	75.32	119.97	Shut-In(2)
278	1760.20	127.16	End Shut-In(2)
278	2157.43	128.58	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
125.00	Gassy Mud 10%G 90%M	0.61

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	4.00	6.89
Last Gas Rate	0.13	22.00	13.62
Max. Gas Rate	0.13	22.00	13.62



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Woolsey Operating CO LLC

**Spicer A-1**

125 N Market Ste 1000  
Wichita KS 67202

**2 34S 11W Barber KS**

Job Ticket: 25781

**DST#: 2**

ATTN: Roger Martin

Test Start: 2006.10.07 @ 00:20:01

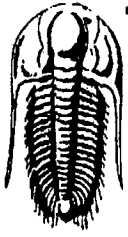
**Tool Information**

Drill Pipe:	Length: 4354.00 ft	Diameter: 3.80 inches	Volume: 61.08 bbl	Tool Weight: 2100.00 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: 226.00 ft	Diameter: 2.25 inches	Volume: 1.11 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: 62.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4576.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	43.00 ft			
Tool Length:	71.00 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			4553.00	
Hydraulic tool	5.00			4558.00	
Jars	5.00			4563.00	
Safety Joint	3.00			4566.00	
Packer	5.00			4571.00	28.00 Bottom Of Top Packer
Packer	5.00			4576.00	
Perforations	4.00			4580.00	
Recorder	0.00	6668	Inside	4580.00	
Perforations	36.00			4616.00	
Recorder	0.00	13266	Outside	4616.00	
Bullnose	3.00			4619.00	43.00 Bottom Packers & Anchor

**Total Tool Length: 71.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Woolsey Operating CO LLC

**Spicer A-1**

125 N Market Ste 1000  
Wichita KS 67202

**2 34S 11W Barber KS**

Job Ticket: 25781

**DST#: 2**

ATTN: Roger Martin

Test Start: 2006.10.07 @ 00:20:01

## 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: 8.97 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 0.20 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	Gassy Mud 10%G 90%M	0.615

Total Length: 125.00 ft      Total Volume: 0.615 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #: TC- #2

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**GAS RATES**

Woolsey Operating CO LLC

**Spicer A-1**

125 N Market Ste 1000  
Wichita KS 67202

**2 34S 11W Barber KS**

Job Ticket: 25781

DST#: 2

ATTN: Roger Martin

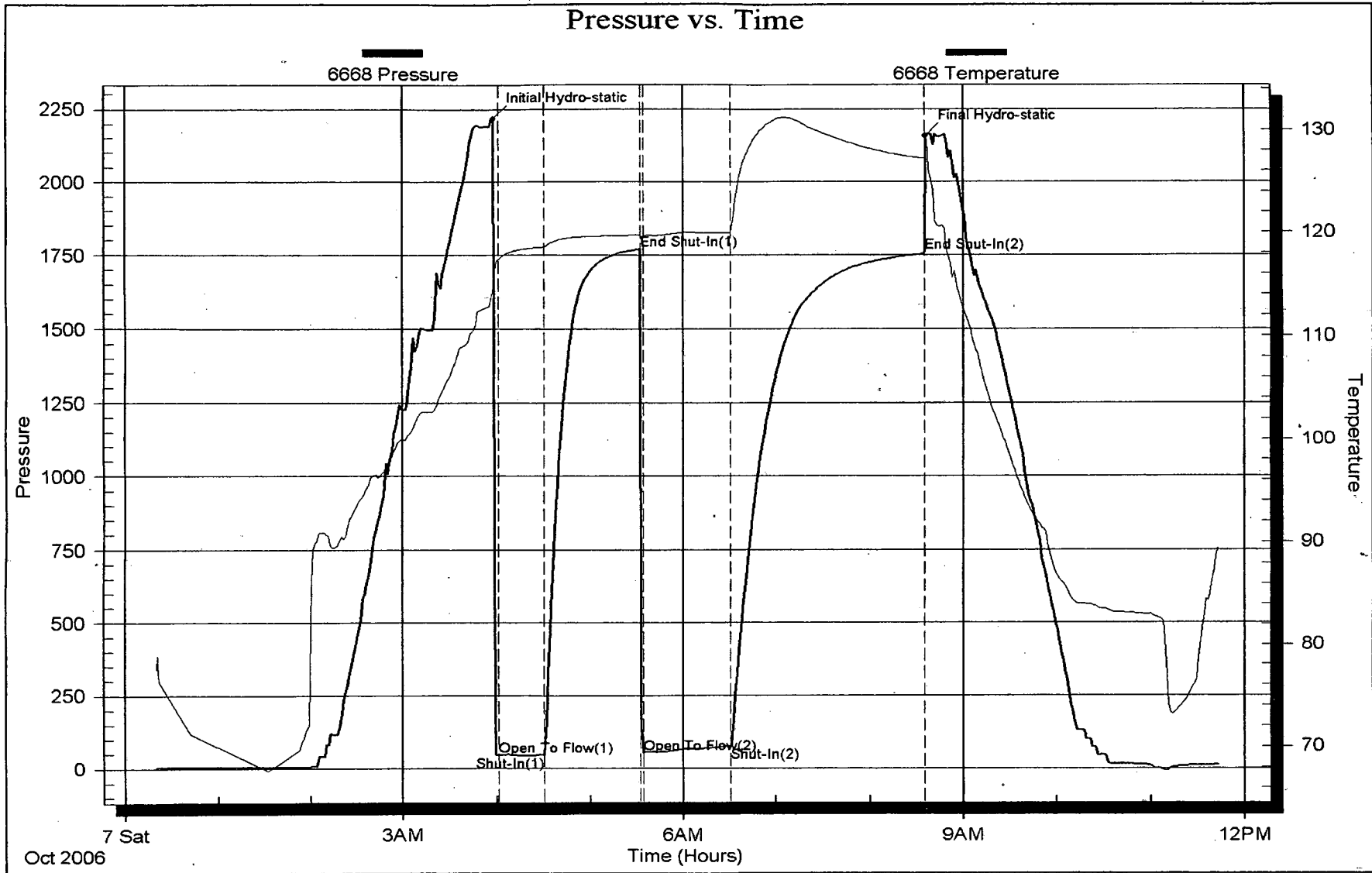
Test Start: 2006.10.07 @ 00:20:01

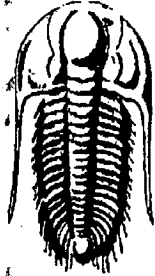
## Gas Rates Information

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	10	0.13	4.00	6.89
2	10	0.13	4.00	6.89
2	20	0.13	8.00	8.38
2	30	0.13	15.00	11.00
2	40	0.13	16.00	11.38
2	50	0.13	22.00	13.62





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating CO LLC**

125 N Market Ste 1000  
Wichita KS 67202

ATTN: Roger Martin

**2 34S 11W Barber KS**

**Spicer A-1**

Start Date: 2006.10.07 @ 23:09:49

End Date: 2006.10.08 @ 11:08:34

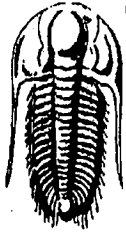
Job Ticket #: 25782                      DST #: 3

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

**Spicer A-1**

125 N Market Ste 1000  
Wichita KS 67202

**2 34S 11W Barber KS**

Job Ticket: 25782

DST#: 3

ATTN: Roger Martin

Test Start: 2006.10.07 @ 23:09:49

## GENERAL INFORMATION:

Formation: **Miss.**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 02:04:34

Time Test Ended: 11:08:34

Test Type: **Conventional Bottom Hole**

Tester: **Travy Cushenbery**

Unit No: **30**

Interval: **4616.00 ft (KB) To 4643.00 ft (KB) (TVD)**

Total Depth: **4643.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Good**

Reference Elevations: **1446.00 ft (KB)**

**1435.00 ft (CF)**

KB to GR/CF: **11.00 ft**

**Serial #: 6668**

**Inside**

Press@RunDepth: **30.35 psig @ 4620.00 ft (KB)**

Start Date: **2006.10.07**

End Date:

**2006.10.08**

Capacity: **7000.00 psig**

Last Calib.: **2006.10.08**

Start Time: **23:09:54**

End Time:

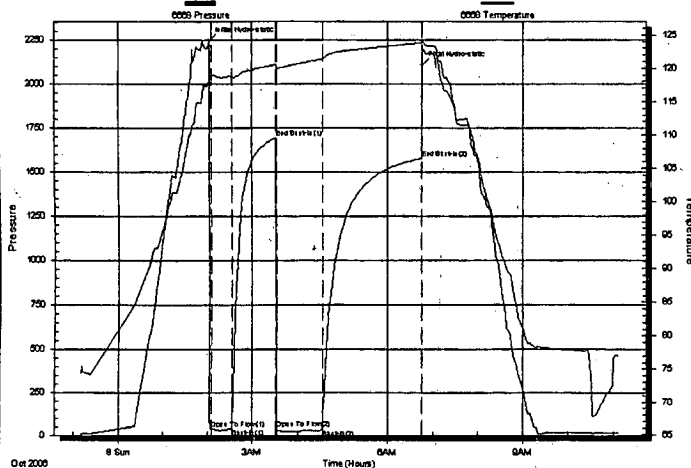
**11:08:34**

Time On Btm: **2006.10.08 @ 02:02:04**

Time Off Btm: **2006.10.08 @ 06:45:18**

**TEST COMMENT:** IF Strong blow BOB immediately  
ISI No blow back  
FF Strong blow BOB immediately (Gas to surface in 6 mins.) Decreasing to 5" in 60 mins.  
ISI No blow back

Pressure vs. Time



## PRESSURE SUMMARY

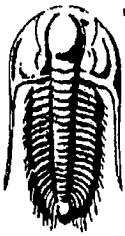
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2247.99	118.46	Initial Hydro-static
3	37.87	118.84	Open To Flow (1)
31	35.98	118.85	Shut-In(1)
90	1694.52	120.55	End Shut-In(1)
90	37.35	120.08	Open To Flow (2)
151	30.35	121.38	Shut-In(2)
283	1578.63	123.80	End Shut-In(2)
284	2109.50	123.98	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
31.00	VSMGCO 10%G 86%O 4%M	0.15

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	5.00	7.26
Last Gas Rate	0.13	2.00	6.14



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Woolsey Operating CO LLC

**Spicer A-1**

125 N Market Ste 1000  
Wichita KS 67202

**2 34S 11W Barber KS**

Job Ticket: 25782

**DST#: 3**

ATTN: Roger Martin

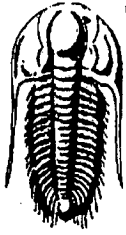
Test Start: 2006.10.07 @ 23:09:49

**Tool Information**

Drill Pipe:	Length: 4385.00 ft	Diameter: 3.80 inches	Volume: 61.51 bbl	Tool Weight: 2100.00 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: 226.00 ft	Diameter: 2.25 inches	Volume: 1.11 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 62.62 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4616.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	55.00 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			4593.00	
Hydraulic tool	5.00			4598.00	
Jars	5.00			4603.00	
Safety Joint	3.00			4606.00	
Packer	5.00			4611.00	28.00 Bottom Of Top Packer
Packer	5.00			4616.00	
Stubb	1.00			4617.00	
Perforations	3.00			4620.00	
Recorder	0.00	6668	Inside	4620.00	
Perforations	20.00			4640.00	
Recorder	0.00	13266	Outside	4640.00	
Bullnose	3.00			4643.00	27.00 Bottom Packers & Anchor

**Total Tool Length: 55.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Woolsey Operating CO LLC

**Spicer A-1**

125 N Market Ste 1000  
Wichita KS 67202

**2 34S 11W Barber KS**

Job Ticket: 25782

**DST#: 3**

ATTN: Roger Martin

Test Start: 2006.10.07 @ 23:09:49

**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:

bbl

Water Loss: 7.97 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 0.20 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
31.00	VSMGCO 10%G 86%O 4%M	0.152

Total Length: 31.00 ft      Total Volume: 0.152 bbl

Num Fluid Samples: 0

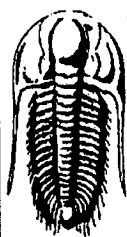
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**GAS RATES**

Woolsey Operating CO LLC

**Spicer A-1**

125 N Market Ste 1000  
Wichita KS 67202

**2 34S 11W Barber KS**

Job Ticket: 25782

**DST#: 3**

ATTN: Roger Martin

Test Start: 2006.10.07 @ 23:09:49

## Gas Rates Information

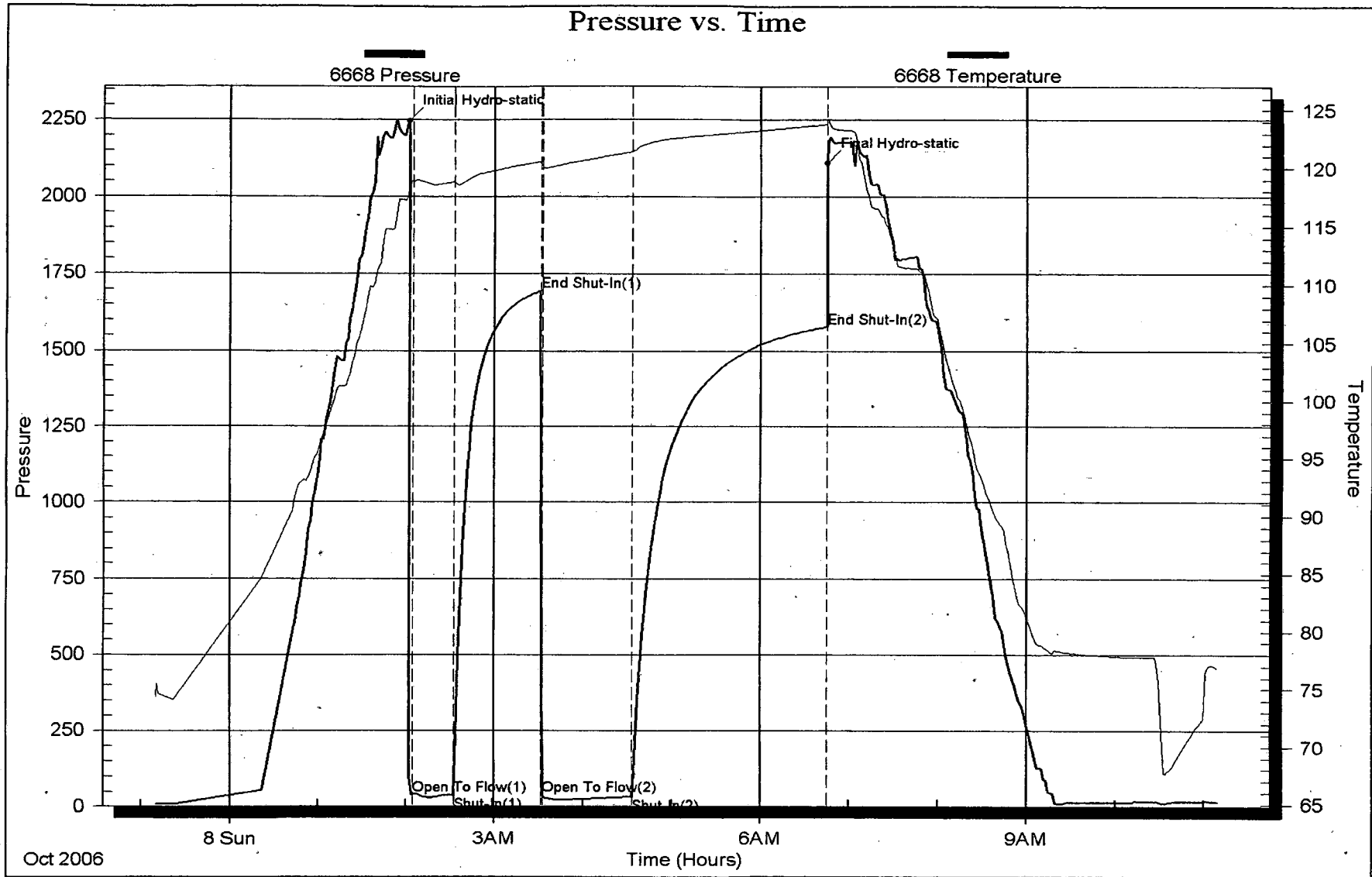
Temperature: 59 deg C

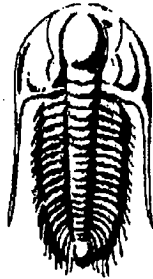
Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m <sup>3</sup> /d)
3	10	0.13	5.00	7.26
3	20	0.13	2.00	6.14





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating CO LLC**

125 N Market Ste 1000  
Wichita KS 67202

ATTN: Roger Martin

**2 34S 11W Barber KS**

**Spicer A-1**

Start Date: 2006.10.09 @ 00:30:55

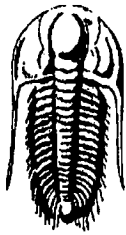
End Date: 2006.10.09 @ 12:23:40

Job Ticket #: 25783                      DST #: 4

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

Spicer A-1

125 N. Market Ste 1000  
Wichita KS 67202

2 34S 11W Barber KS

Job Ticket: 25783

DST#: 4

ATTN: Roger Martin

Test Start: 2006.10.09 @ 00:30:55

## GENERAL INFORMATION:

Formation: **Miss.- C1**

Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: 03:50:55

Time Test Ended: 12:23:40

Test Type: **Conventional Bottom Hole**

Tester: **Travy Cushenbery**

Unit No: **30**

Interval: **4673.00 ft (KB) To 4725.00 ft (KB) (TVD)**

Total Depth: **4725.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Good**

Reference Elevations: **1446.00 ft (KB)**

**1435.00 ft (CF)**

KB to GR/CF: **11.00 ft**

Serial #: **6668**

Inside

Press@RunDepth: **49.99 psig @ 4679.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2006.10.09**

End Date: **2006.10.09**

Last Calib.: **2006.10.09**

Start Time: **00:31:00**

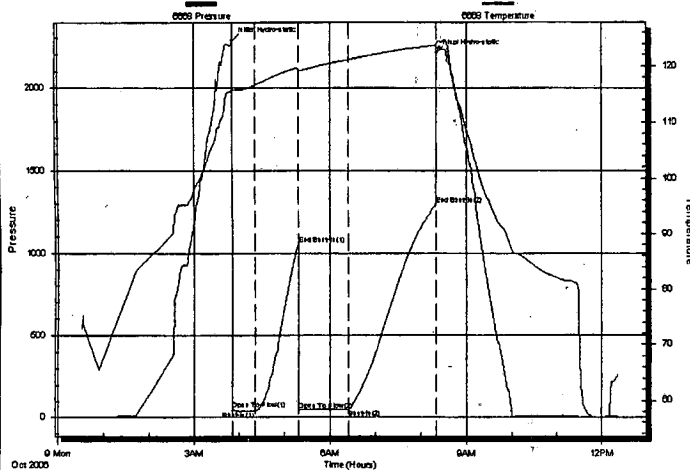
End Time: **12:23:40**

Time On Btm: **2006.10.09 @ 03:50:25**

Time Off Btm: **2006.10.09 @ 08:20:09**

TEST COMMENT: IF Weak blow Building to 5 1/2" 30 mins.  
ISI Weak to fair blow Building to 3"  
FF Fair blow BOB in 43 mins.  
FSI Fair blow back Building to 9" Slowly decreased to 1" in 120 mins.

Pressure vs. Time



## PRESSURE SUMMARY

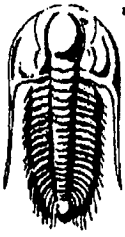
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2285.01	115.63	Initial Hydro-static
1	48.10	115.59	Open To Flow (1)
31	40.98	116.62	Shut-In (1)
88	1052.26	119.66	End Shut-In (1)
89	47.14	119.31	Open To Flow (2)
154	49.99	121.07	Shut-In (2)
270	1294.64	123.69	End Shut-In (2)
270	2209.09	123.92	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
35.00	MW w/scum of Oil <1%O 90%W 10%M 0.17	

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Woolsey Operating CO LLC

**Spicer A-1**

125 N Market Ste 1000  
Wichita KS 67202

**2 34S 11W Barber KS**

Job Ticket: 25783

**DST#: 4**

ATTN: Roger Martin

Test Start: 2006.10.09 @ 00:30:55

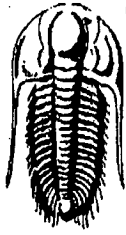
**Tool Information**

Drill Pipe:	Length: 4476.00 ft	Diameter: 3.80 inches	Volume: 62.79 bbl	Tool Weight: 2100.00 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: 226.00 ft	Diameter: 2.25 inches	Volume: 1.11 bbl	Weight to Pull Loose: 62000.00 lb
			<b>Total Volume: 63.90 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	57.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4673.00 ft			Final 56000.00 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			4650.00	
Hydraulic tool	5.00			4655.00	
Jars	5.00			4660.00	
Safety Joint	3.00			4663.00	
Packer	5.00			4668.00	28.00 Bottom Of Top Packer
Packer	5.00			4673.00	
Stubb	1.00			4674.00	
Perforations	4.00			4678.00	
Stubb	1.00			4679.00	
Recorder	0.00	6668	Inside	4679.00	
Blank Spacing	31.00			4710.00	
Perforations	12.00			4722.00	
Recorder	0.00	13266	Outside	4722.00	
Bullnose	3.00			4725.00	52.00 Bottom Packers & Anchor

**Total Tool Length: 80.00**





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Woolsey Operating CO LLC

**Spicer A-1**

125 N Market Ste 1000  
Wichita KS 67202

**2 34S 11W Barber KS**

Job Ticket: 25783

**DST#: 4**

ATTN: Roger Martin

Test Start: 2006.10.09 @ 00:30:55

## 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: 43.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.17 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.97 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

### Recovery Table

Length ft	Description	Volume bbl
35.00	MW w/scum of Oil <1%O 90%W 10%M	0.172

Total Length: 35.00 ft Total Volume: 0.172 bbl

Num Fluid Samples: 0

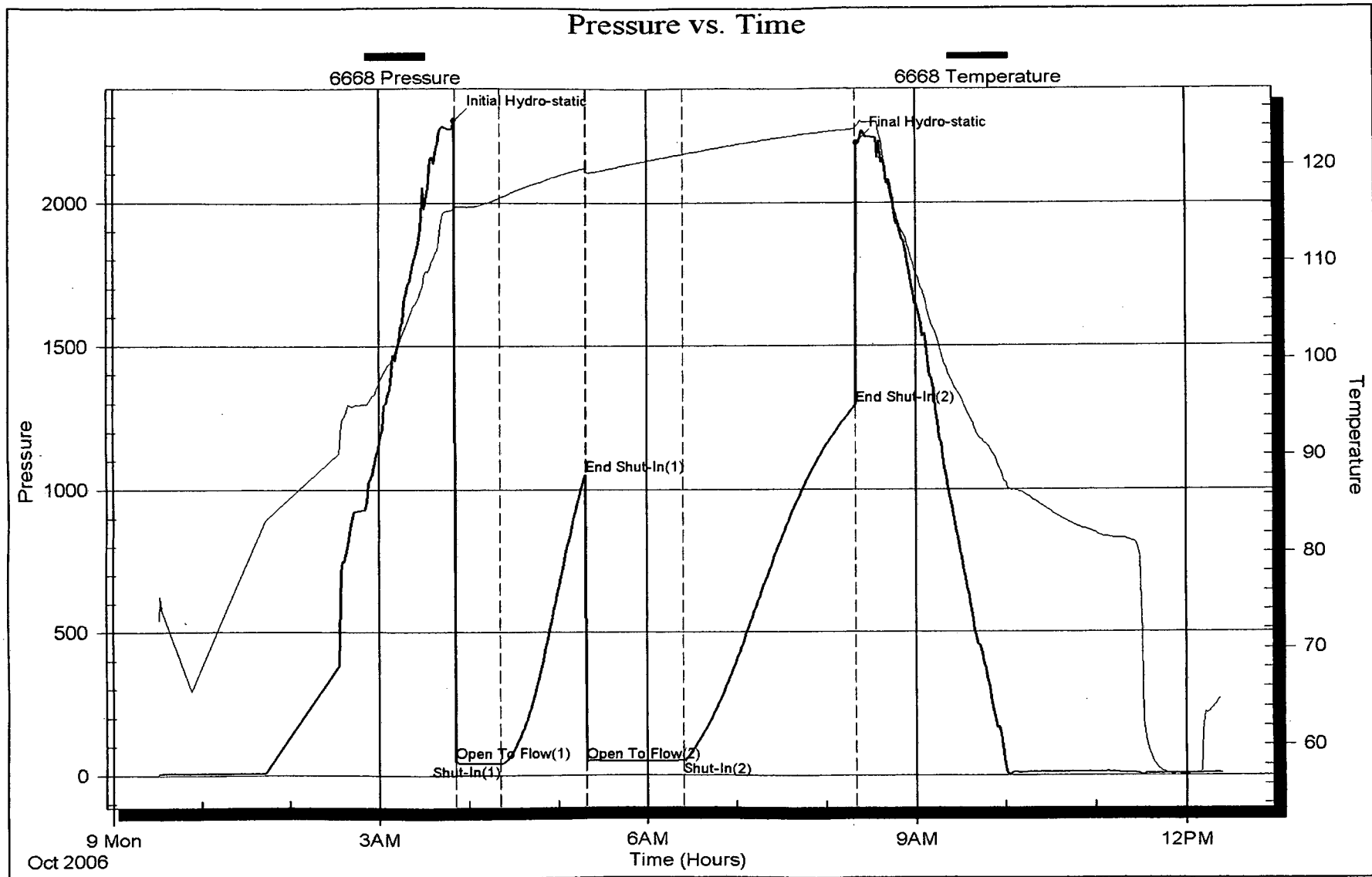
Num Gas Bombs: 0

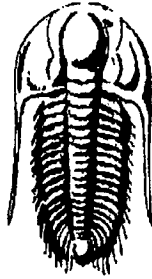
Serial #:

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: Roger Martin

**2 34S 11W Barber KS**

**Spicer A-1**

Start Date: 2006.10.10 @ 11:34:02

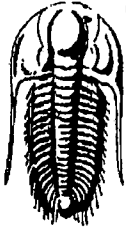
End Date: 2006.10.10 @ 23:24:47

Job Ticket #: 25784                      DST #: 5

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

**Spicer A-1**

125 N Market Ste 1000  
Wichita KS 67202

**2 34S 11W Barber KS**

ATTN: Roger Martin

Job Ticket: 25784

DST#: 5

Test Start: 2006.10.10 @ 11:34:02

## GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:26:32

Time Test Ended: 23:24:47

Test Type: Conventional Bottom Hole

Tester: Travy Cushenbery

Unit No: 30

Interval: **4770.00 ft (KB) To 4922.00 ft (KB) (TVD)**

Reference Elevations: 1446.00' ft (KB)

Total Depth: 4922.00 ft (KB) (TVD)

1435.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

**Serial #: 6668**

Inside

Press@RunDepth: 161.50 psig @ 4776.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2006.10.10

End Date: 2006.10.10

Last Calib.: 2006.10.10

Start Time: 11:34:07

End Time: 23:24:47

Time On Btm: 2006.10.10 @ 15:22:17

Time Off Btm: 2006.10.10 @ 19:25:17

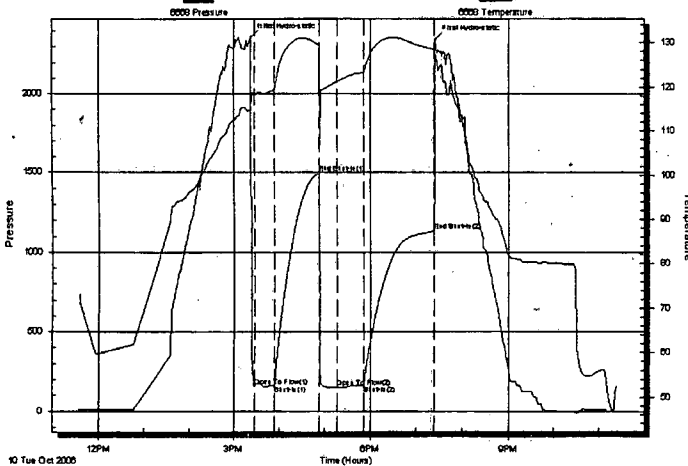
**TEST COMMENT:** IF Strong blow BOB in 30 secs. Gas to surface in 11 mins.

ISI Fair blow back Building to 3" 60 mins.

FF Strong blow BOB immediately G.T.S. ( See gas volume report)

ISI Fair blow back Building to

Pressure vs. Time



## PRESSURE SUMMARY

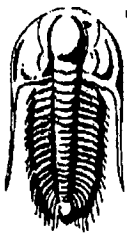
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2357.53	114.58	Initial Hydro-static
5	155.31	117.70	Open To Flow (1)
31	161.75	119.22	Shut-In (1)
90	1494.54	129.39	End Shut-In (1)
114	147.84	121.18	Open To Flow (2)
149	161.50	123.26	Shut-In (2)
243	1134.28	128.51	End Shut-In (2)
243	2342.25	124.55	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
320.00	GM 5%G 95%G	2.43

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	14.00	104.04
Last Gas Rate	0.38	10.00	89.38
Max. Gas Rate	0.50	25.00	265.78



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Woolsey Operating CO LLC

**Spicer A-1**

125 N Market Ste 1000  
Wichita KS 67202

**2 34S 11W Barber KS**

Job Ticket: 25784

**DST#: 5**

ATTN: Roger Martin

Test Start: 2006.10.10 @ 11:34:02

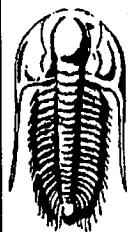
## Tool Information

Drill Pipe:	Length: 4527.00 ft	Diameter: 3.80 inches	Volume: 63.50 bbl	Tool Weight:	2100.00 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: 226.00 ft	Diameter: 2.25 inches	Volume: 1.11 bbl	Weight to Pull Loose:	82000.00 lb
			<u>Total Volume: 64.61 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	52000.00 lb
Depth to Top Packer:	4770.00 ft			Final	54000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	152.00 ft				
Tool Length:	179.00 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			4748.00	
Hydraulic tool	5.00			4753.00	
Jars	5.00			4758.00	
Safety Joint	3.00			4761.00	
Packer	5.00			4766.00	27.00 Bottom Of Top Packer
Packer	4.00			4770.00	
Stubb	1.00			4771.00	
Perforations	4.00			4775.00	
Change Over Sub	1.00			4776.00	
Recorder	0.00	6668	Inside	4776.00	
Blank Spacing	62.00			4838.00	
Change Over Sub	0.50			4838.50	
Perforations	5.00			4843.50	
Change Over Sub	0.50			4844.00	
Blank Spacing	62.00			4906.00	
Change Over Sub	1.00			4907.00	
Perforations	12.00			4919.00	
Recorder	0.00	13266	Outside	4919.00	
Bullnose	3.00			4922.00	152.00 Bottom Packers & Anchor

**Total Tool Length: 179.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Woolsey Operating CO LLC

**Spicer A-1**

125 N Market Ste 1000  
Wichita KS 67202

**2 34S 11W Barber KS**

Job Ticket: 25784

**DST#: 5**

ATTN: Roger Martin

Test Start: 2006.10.10 @ 11:34:02

## 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: 44.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.99 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2800.00 ppm			
Filter Cake: 0.20 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
320.00	GM 5%G 95%G	2.430

Total Length: 320.00 ft      Total Volume: 2.430 bbl

Num Fluid Samples: 0

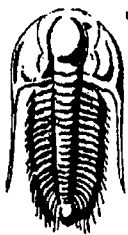
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**GAS RATES**

Woolsey Operating CO LLC

**Spicer A-1**

125 N Market Ste 1000  
Wichita KS 67202

**2 34S 11W Barber KS**

Job Ticket: 25784

**DST#: 5**

ATTN: Roger Martin

Test Start: 2006.10.10 @ 11:34:02

## Gas Rates Information

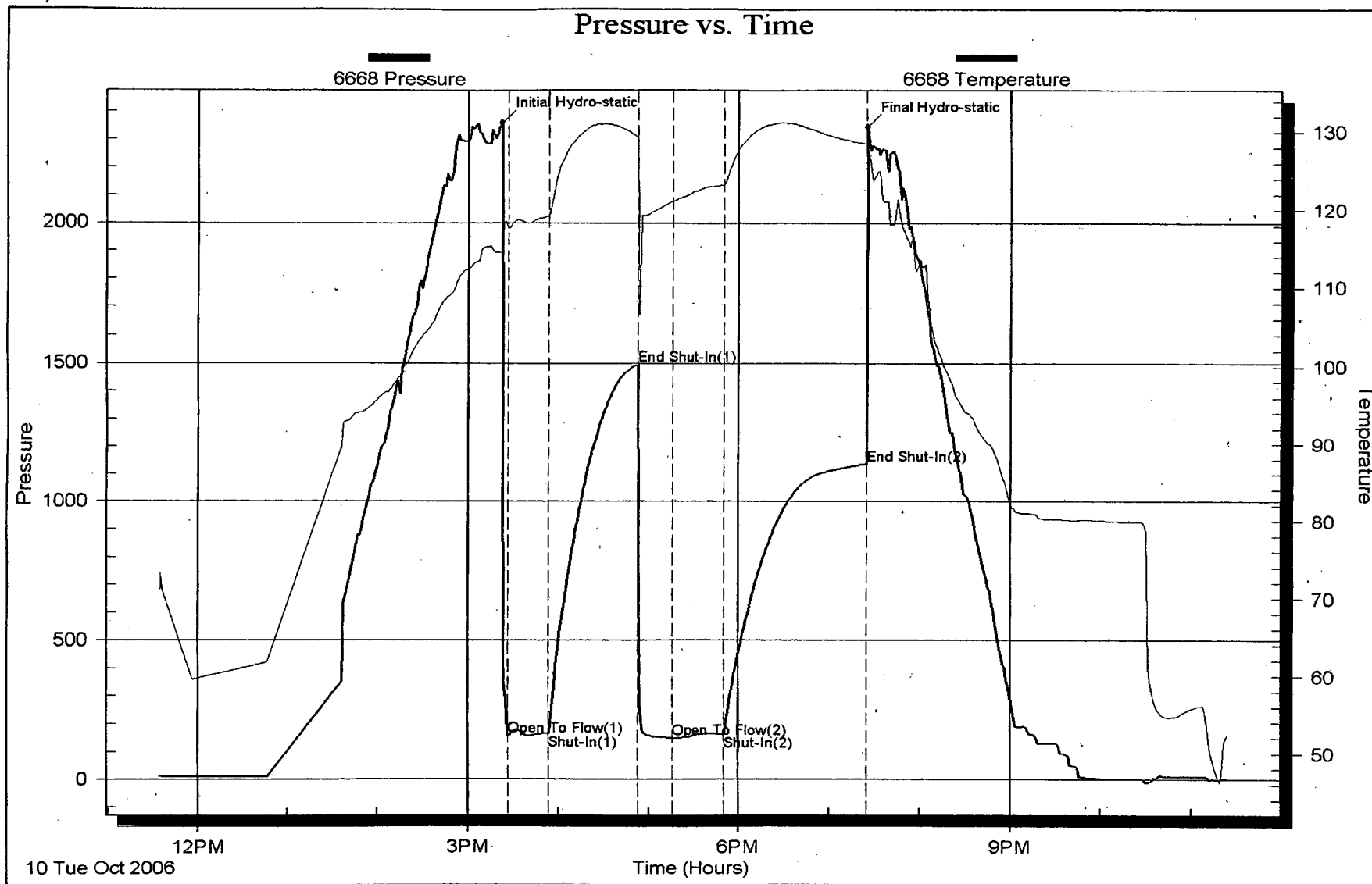
Temperature: 59 deg C

Relative Density: 0.65

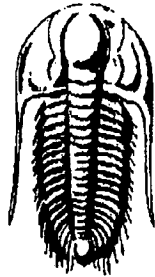
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m <sup>3</sup> /d)
1	20	0.38	14.00	104.04
1	20	0.38	14.00	104.04
1	30	0.38	16.00	111.36
2	10	0.50	25.00	265.78
2	20	0.50	15.00	198.32
2	30	0.50	9.00	157.85
2	40	0.50	5.00	130.87
2	50	0.38	10.00	89.38







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

**DRILL STEM TEST REPORT**

Prepared For: **Woolsey Operating CO LLC**

125 N Market Ste 1000  
Wichita KS 67202

ATTN: Roger Martin

**2 34S 11W Barber KS**

**Spicer A-1**

Start Date: 2006.10.11 @ 18:05:21

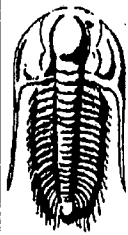
End Date: 2006.10.12 @ 08:36:06

Job Ticket #: 25785                      DST #: 6

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

**Spicer A-1**

125 N Market Ste 1000  
Wichita KS 67202

**2 34S 11W Barber KS**

ATTN: Roger Martin

Job Ticket: 25785

**DST#: 6**

Test Start: 2006.10.11 @ 18:05:21

## GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:48:51

Time Test Ended: 08:36:06

Test Type: Conventional Bottom Hole

Tester: Travy Cushenbery

Unit No: 30

Interval: **4990.00 ft (KB) To 5037.00 ft (KB) (TVD)**

Total Depth: 5037.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1446.00 ft (KB)

1435.00 ft (CF)

KB to GR/CF: 11.00 ft

**Serial #: 6668**

Inside

Press@RunDepth: 1726.05 psig @ 4990.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2006.10.11

End Date:

2006.10.12

Last Calib.: 2006.10.12

Start Time: 18:05:26

End Time:

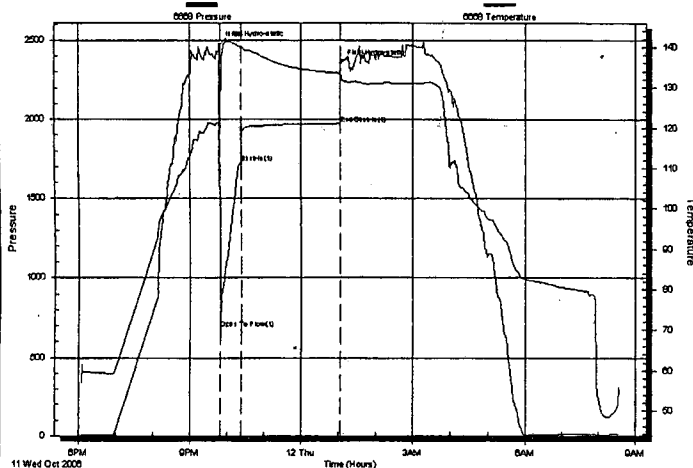
08:36:06

Time On Btm: 2006.10.11 @ 21:48:36

Time Off Btm: 2006.10.12 @ 01:03:20

**TEST COMMENT:** IF Strong blow BOB in 30 secs. Gassy Oil to surface in 25 mins.  
ISI Strong blow Venting Rversed 35 bbls of clean Oil

Pressure vs. Time



## PRESSURE SUMMARY

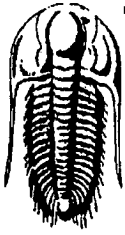
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2470.92	121.46	Initial Hydro-static
1	680.59	121.36	Open To Flow (1)
35	1726.05	139.93	Shut-in(1)
195	1973.06	133.54	End Shut-In(1)
195	2353.67	133.75	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
226.00	O & GCMW 10%G 4%O 69%W 17%M	1.11
352.00	Water	4.94
4401.00	Gassy Oil 48%G 52%O	61.73

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	5.00	7.26
Last Gas Rate	0.13	5.00	7.26



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Woolsey Operating CO LLC

**Spicer A-1**

125 N Market Ste 1000  
Wichita KS 67202

**2 34S 11W Barber KS**

Job Ticket: 25785

**DST#: 6**

ATTN: Roger Martin

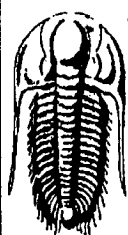
Test Start: 2006.10.11 @ 18:05:21

**Tool Information**

Drill Pipe:	Length: 4753.00 ft	Diameter: 3.80 inches	Volume: 66.67 bbl	Tool Weight: 2100.00 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: 226.00 ft	Diameter: 2.25 inches	Volume: 1.11 bbl	Weight to Pull Loose: lb
			<u>Total Volume: 67.78 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4990.00 ft			Final lb
Depth to Bottom Packer:	ft			
Interval between Packers:	47.00 ft			
Tool Length:	75.00 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			4967.00	
Hydraulic tool	5.00			4972.00	
Jars	5.00			4977.00	
Safety Joint	3.00			4980.00	
Packer	5.00			4985.00	28.00 Bottom Of Top Packer
Packer	5.00			4990.00	
Recorder	0.00	6668	Inside	4990.00	
Perforations	44.00			5034.00	
Recorder	0.00	13266	Outside	5034.00	
Bullnose	3.00			5037.00	47.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>75.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Woolsey Operating CO LLC

**Spicer A-1**

125 N Market Ste 1000  
Wichita KS 67202

**2 34S 11W Barber KS**

Job Ticket: 25785

**DST#: 6**

ATTN: Roger Martin

Test Start: 2006.10.11 @ 18:05:21

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 34.2 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 32000 ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl	
Water Loss: 11.98 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.30 ohm.m	Gas Cushion Pressure: psig	
Salinity: 5000.00 ppm		
Filter Cake: 0.20 inches		

## Recovery Information

Recovery Table

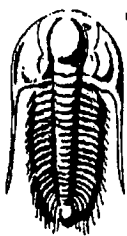
Length ft	Description	Volume bbl
226.00	O & GCMW 10%G 4%O 69%W 17%M	1.111
352.00	Water	4.938
4401.00	Gassy Oil 48%G .52%O	61.734

Total Length: 4979.00 ft      Total Volume: 67.783 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**GAS RATES**

Woolsey Operating CO LLC

**Spicer A-1**

125 N Market Ste 1000  
Wichita KS 67202

**2 34S 11W Barber KS**

Job Ticket: 25785

**DST#: 6**

ATTN: Roger Martin

Test Start: 2006.10.11 @ 18:05:21

## Gas Rates Information

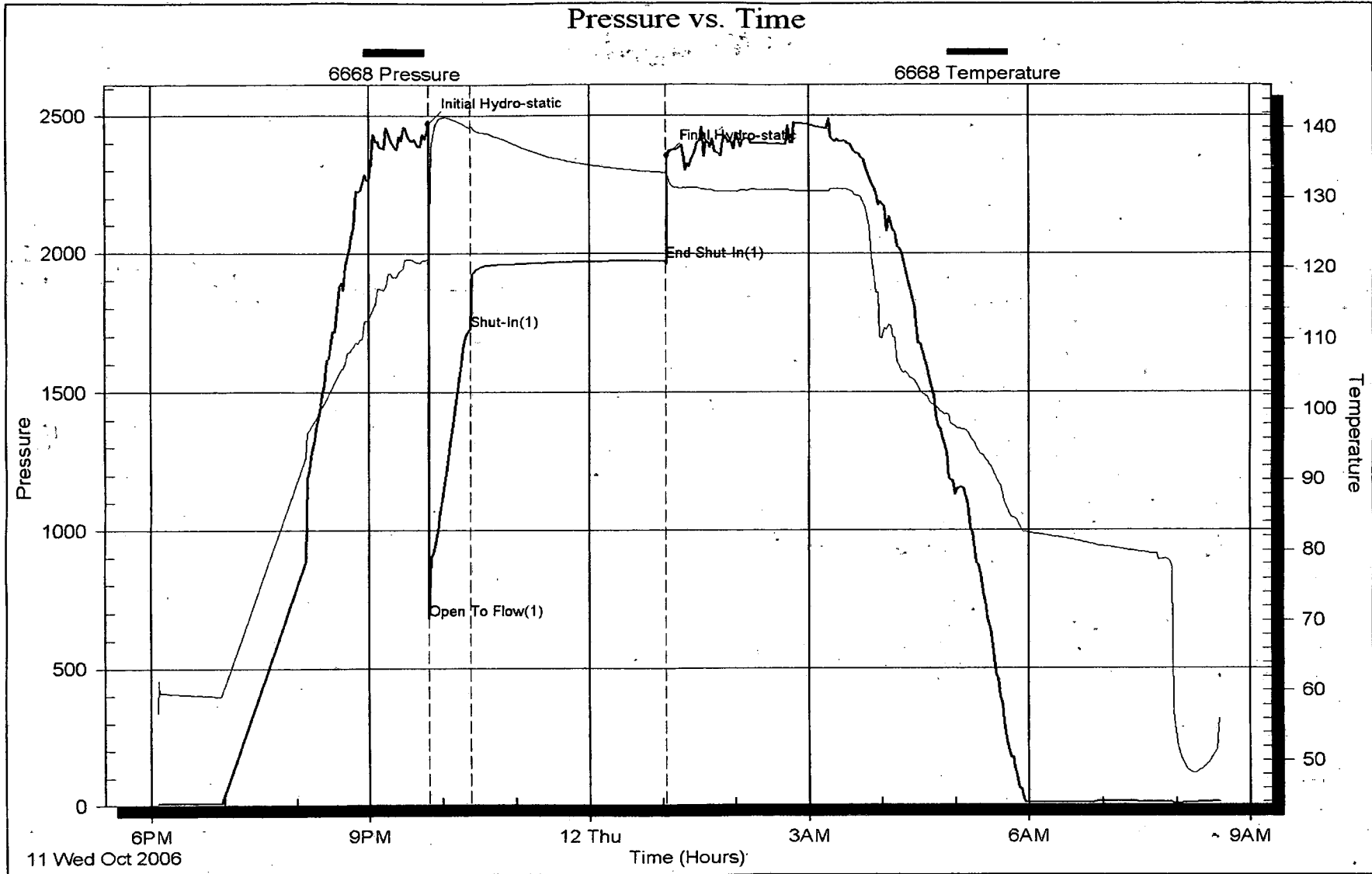
Temperature: 59 deg C

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)
1	10	0.13	5.00	7.26
1	10	0.13	5.00	7.26





# WOOLSEY OPERATING COMPANY, LLC

125 NORTH MARKET, SUITE 1000, WICHITA, KANSAS 67202-1775 (316) 267-4379

FAX (316) 267-4383

RECEIVED  
KANSAS CORPORATION COMMISSION

JAN 26 2007

CONSERVATION DIVISION  
WICHITA, KS

January 26, 2007

Kansas Corporation Commission  
130 S Market  
Rm 2078  
Wichita KS 67202

KCC

JAN 26 2007

CONFIDENTIAL


## Tight Hole Status Requested

RE: Spicer A-1  
Section 5-T34S-R11W  
Barber County, Kansas  
API# 15-007-23064 0000

Enclosed please find our ACO-1 Well History form completed, in triplicate, for the above referenced well. Copies of the cement tickets, drill stem test reports, geologist's report and logs are attached to the original. Logs include: Neutron Density, Dual Induction, Sonic and Cement Bond log.

This letter is to request this information be kept confidential for two years. Should you require any additional information, please let us know.

Yours very truly,

  
Debra K. Clingan  
Production Assistant

/dkc  
Enclosures

