

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**ORIGINAL**

1-17-09

Form ACO-1  
September 1999  
Form Must Be Typed

**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: Bluestem Gas Marketing / Plains Marketing  
Operator Contact Person: Dean Pattisson, Operations Manager  
Phone: (316) 267-4379 ext 107  
Contractor: Name: Val Energy, Inc.  
License: 5822  
Wellsite Geologist: Brad Rine

API No. 15 - 033-21479 0000  
County: Comanche  
120' W of S2 S2 SE Sec. 10 Twp. 31 S. R. 17  East  West  
330' FSL feet from (S) N (circle one) Line of Section  
1440' 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: Shane Yost Well #: 1  
Field Name: Wilmore

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. \_\_\_\_\_  
09/19/2006 10/01/2006 11/07/2006  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

Producing Formation: Mississippian  
Elevation: Ground: 2056 Kelly Bushing: 2066  
Total Depth: 5382 Plug Back Total Depth: 5382  
Amount of Surface Pipe Set and Cemented at 285 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.

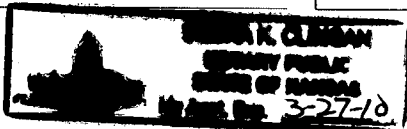
**Drilling Fluid Management Plan** AHJNH9-11-08  
(Data must be collected from the Reserve Pit)  
Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used Haul off free fluids and allow to dehydrate  
Location of fluid disposal if hauled offsite:  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: D-

**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: 01/17/2007  
Subscribed and sworn to before me this 17<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



**RECEIVED**  
KANSAS CORPORATION COMMISSION  
JAN 17 2007  
CONSERVATION DIVISION  
WICHITA, KS

Operator Name: WOOLSEY OPERATING COMPANY, LLC Lease Name: Shane Yost Well #: 1  
 Sec. 10 Twp. 31 S. R. 17  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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run:  Compensated Neutron Density Dual Induction Sonic <span style="float:right">Cement Bond</span>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>LeCompton</td> <td>3832</td> <td>-1766</td> </tr> <tr> <td>Douglas</td> <td>4202</td> <td>-2120</td> </tr> <tr> <td>Lansing</td> <td>4360</td> <td>-2294</td> </tr> <tr> <td>Base Kansas City</td> <td>4780</td> <td>-2714</td> </tr> <tr> <td>Pawnee</td> <td>4888</td> <td>-2822</td> </tr> <tr> <td>Mississippian</td> <td>4994</td> <td>-2928</td> </tr> <tr> <td>Viola</td> <td>5291</td> <td>-3225</td> </tr> <tr> <td>LTD</td> <td>5382</td> <td>-3316</td> </tr> </table>	Name	Top	Datum	LeCompton	3832	-1766	Douglas	4202	-2120	Lansing	4360	-2294	Base Kansas City	4780	-2714	Pawnee	4888	-2822	Mississippian	4994	-2928	Viola	5291	-3225	LTD	5382	-3316
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Viola	5291	-3225																										
LTD	5382	-3316																										

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"	20"		66'	Grout	10.5 yds	2% cc
Surface	14 1/2"	10 3/4"	30# / ft	285'	Class A	250 sx	2% gel, 3% cc
Production	7 7/8"	4 1/2"	10.5# / ft	5368'	Class H	160 sx	10%Gypseal, 10% Salt, 6# Kolseal, .8% FL-160 & 1/4# Floseal

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

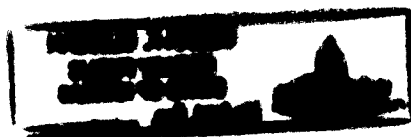
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
4	4997'-5016' - Mississippian	Acid: 1150 gal 10% MIRA & 2500 gal 70 Quality N2 foamed acid	same
		Frac: 152,000 gal 2% KCL, 62,500# 30/70 sand & 7500# 16/30 resin coat sand	same

TUBING RECORD	Size 2 3/8"	Set At 4971'	Packer At n/a	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. 01/02/2007		Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls. trace	Gas Mcf 500	Water Bbls. 150 (load wtr)	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 \_\_\_\_\_



KCC

# KODA Services, Inc. --- WORK ORDER JAN 17 2007

Date Called 8-28-06 Time Wanted 8-29-06 **CONFIDENTIAL**

Drilling Company VAI Oil Company WOOLSEY

Pusher \_\_\_\_\_  
Off. Ph. \_\_\_\_\_  
Home Ph. \_\_\_\_\_  
Mobile Ph. \_\_\_\_\_

Ticket # 2846  
Ticket # \_\_\_\_\_  
Foreman \_\_\_\_\_  
Operator Deweyne  
Helper JIMMY Doc

Lease SHANK YOST #1 Rig # 3 Face Rig 

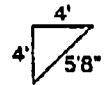
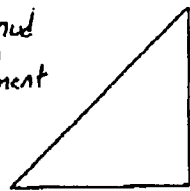
N	E	S	W
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Directions: From Caldwell Co EAST to willmore Eut then ONE ON EAST  
2 NORTH 4 EAST 3 NORTH to DEAD END 1/4 WEST 1/2 South into.

Remarks: 0-36 Cleche 35-99 SAND 49-66 Cleche/cky

Rat Hole \_\_\_\_\_ Mouse Hc'a \_\_\_\_\_  
Conductor: Drilled 66' of 32" conductor hole  
Furnished 66' of 24" conductor pipe, 0' up  
Cellar 5x5 Main Hole 32"  
Grout: 10 1/2 yards, 2% c/c  
Service to run customers pipe: \_\_\_\_\_ of \_\_\_\_\_ @ \_\_\_\_\_  
Service to run pipe & cement w/pressure truck . . \$ \_\_\_\_\_  
Furnished: Welder \_\_\_\_\_ hours @ \_\_\_\_\_  
Centralizer \_\_\_\_\_ @ \_\_\_\_\_

conductor only  
Koda Mud  
Vacuum  
Koda Cement



Toilet Hole \_\_\_\_\_ SPC17585

**RECEIVED**

KANSAS CORPORATION COMMISSION

JAN 17 2007

CONSERVATION DIVISION  
WICHITA, KS

# ALLIED CEMENTING CO., INC. 24833

Feder

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

SERVICE POINT:  
*Medicine Lodge, KS*

DATE <u>20 Sep 06</u>	SEC. <u>10</u>	TWP. <u>31S</u>	RANGE <u>17W</u>	CALLED OUT <u>11:00 PM</u>	ON LOCATION <u>1:30 AM</u>	JOB START <u>4:45 AM</u>	JOB FINISH <u>5:15 AM</u>
LEASE <u>Shane Yost</u>	WELL # <u>1</u>	LOCATION <u>Wilmore, KS Post office, 2N, 2 1/2 E</u>			COUNTY <u>Comanche</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>			<u>S/inh</u>				

KCC  
JAN 17 2007  
CONFIDENTIAL

CONTRACTOR Val #2

TYPE OF JOB Surface

HOLE SIZE 14 3/4 T.D. 290

CASING SIZE 10 7/8 DEPTH 285

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

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

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

PRES. MAX 230 MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT N/A

CEMENT LEFT IN CSG. 15'

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

DISPLACEMENT 2 1/4 Bbls Fresh H<sub>2</sub>O

EQUIPMENT \_\_\_\_\_

OWNER Woolsey Pet.

CEMENT AMOUNT ORDERED 250sx"A" + 3%cc + 2% gel

COMMON	<u>250 A</u>	@	<u>10.65</u>	<u>2662.50</u>
POZMIX		@		
GEL	<u>5</u>	@	<u>16.65</u>	<u>83.25</u>
CHLORIDE	<u>9</u>	@	<u>46.60</u>	<u>419.40</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>264</u>	@	<u>1.90</u>	<u>501.60</u>
MILEAGE	<u>40 x 264 x .09</u>			<u>950.40</u>
				TOTAL <u>4617.15</u>

PUMP TRUCK CEMENTER D. Felix

# 352 HELPER M. Coley

BULK TRUCK

# 364 DRIVER T. Demarco

BULK TRUCK

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

REMARKS:

*Pipe on Btm, Break circ, Pump Preflsh, Mix 250sx Cement, Start Disp, Wash up Pump, See increase in lift, Slow Rate, Stop Pump at 2 1/4 Bbls total Disp of Fresh H<sub>2</sub>O, Shut in, Release Line PST, Cement Did Circ*

SERVICE

DEPTH OF JOB 285'

PUMP TRUCK CHARGE \_\_\_\_\_ 815.00

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

MILEAGE 40 @ 6.00 240.00

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

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

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

TOTAL 1055.00

PLUG & FLOAT EQUIPMENT

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

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

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

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

ANY APPLICABLE TAX WILL BE CHARGED UPON INVOICING

TOTAL \_\_\_\_\_

TAX \_\_\_\_\_

TOTAL CHARGE ~~\_\_\_\_\_~~

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

CHARGE TO: Woolsey Petco.

STREET \_\_\_\_\_

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

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 Rick Smith

Rick Smith  
PRINTED NAME

RECEIVED  
KANSAS CORPORATION COMMISSION  
JAN 17 2007  
CONSERVATION DIVISION  
WICHITA, KS

# ALLIED CEMENTING CO., INC.

24032

Feder

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

SERVICE POINT:

med. lodge, ks.

DATE <u>10-2-06</u>	SEC. <u>10</u>	TWP. <u>31s</u>	RANGE <u>17W</u>	CALLED OUT <u>6:00 A.M.</u>	ON LOCATION <u>9:00 A.M.</u>	JOB START <u>4:30 P.M.</u>	JOB FINISH <u>6:30 P.M.</u>
LEASE <u>Shane Post</u>				WELL # <u>1</u>		LOCATION <u>Wilmore, Post office</u>	
OLD OR <u>NEW</u> (Circle one)				20-2 1/2 E. S/S			
CONTRACTOR <u>Dal #1</u>				OWNER <u>Woolsey Petroleum</u>			
TYPE OF JOB <u>Prod. CSG.</u>				CEMENT			
HOLE SIZE <u>7 7/8</u>				AMOUNT ORDERED <u>500 gal. ASF Flush</u>			
CASING SIZE <u>4 1/2 x 10.5</u>				<u>1.85 sx H + 10% Gyp + 10% Salt + 6# Kol-</u>			
TUBING SIZE				<u>Seal + 8% Fl-160 + 1/4# Flo-Seal</u>			
DRILL PIPE				<u>used 25 sx to Plug RH + MH 9 gal Pro</u>			
TOOL				COMMON <u>1.85 H @ 12.75 2358.75</u>			
PRES. MAX <u>1200</u>				POZMIX @			
MEAS. LINE				GEL @			
CEMENT LEFT IN CSG.				CHLORIDE @			
PERFS.				ASC @			
DISPLACEMENT <u>84 3/4 2% KCL water</u>				CLAPRO <u>9 gal @ 25.00 225.00</u>			
EQUIPMENT				Gyp SEAL <u>17 @ 23.35 396.95</u>			
PUMP TRUCK CEMENTER <u>Larry Dreiling</u>				KBL SEAL <u>110 # @ 7.00 770.00</u>			
# <u>352</u> HELPER <u>Mark Coley</u>				Salt <u>20 @ 9.60 192.00</u>			
BULK TRUCK				FL-160 <u>139 # @ 10.65 1480.35</u>			
# <u>389</u> DRIVER <u>Greg Greive</u>				Flo Seal <u>46 # @ 2.00 92.00</u>			
BULK TRUCK				ASF 500 gal. @ <u>1.00 500.00</u>			
#				HANDLING <u>249 @ 1.90 473.10</u>			
				MILEAGE <u>40 x 249 x .09 896.40</u>			
				TOTAL <u>7391.55</u>			

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JAN 17 2007  
CONFIDENTIAL

REMARKS:

Pipe on Bottom - Break Circ  
Pump 500 gals. ASF Flush. mix + Pump  
25 sx For RH + MH. Pump 160 sx H  
10% Gyp-Seal + 10% Salt + 6# Kol-Seal  
+ 8% Fl-160 + 1/4# Flo-Seal. Wash  
Dump + lines. Displace Plug w/ 84 3/4 Bks  
2% KCL. Pump + Latch Plug. Release  
1st Float Held

CHARGE TO: Woolsey Petroleum

STREET \_\_\_\_\_

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

DEPTH OF JOB 5368'

PUMP TRUCK CHARGE 1840.00

EXTRA FOOTAGE @

MILEAGE 40 @ 6.00 240.00

MANIFOLD @

Head Rental @ 100.00 100.00

TOTAL 2180.00

4 1/2" PLUG & FLOAT EQUIPMENT

1-ASF Float Shoe @ 200.00 200.00

1-Latch Plug Assemble @ 325.00 325.00

12-Tubmizers @ 55.00 660.00

28-scratchers @ 35.00 980.00

Reciprocating @

ANY APPLICABLE TAX TOTAL 2165.00

WILL BE CHARGED UPON INVOICING

TAX \_\_\_\_\_

TOTAL CHARGE 2165.00

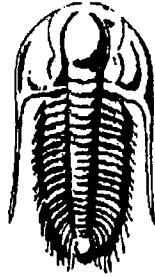
DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

To Allied Cementing Co., Inc.  
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SIGNATURE x Allen F. Dick

x Allen F. Dick  
PRINTED NAME

RECEIVED  
KANSAS CORPORATION COMMISSION  
JAN 17 2007  
CONSERVATION DIVISION  
WICHITA, KS



**TRILOBITE  
TESTING, INC.**

**KCC  
JAN 17 2007  
CONFIDENTIAL**

**DRILL STEM TEST REPORT**

Prepared For: **Woolsey Operating Co LLC**

125 N Market Ste 1000  
Wichita KS 67202

ATTN: Brad Rine

**10 31 17 Commanche K**

**Shane Yost #1**

Start Date: 2006.09.27 @ 10:00:11

End Date: 2006.09.27 @ 19:59:26

Job Ticket #: 26301                      DST #: 1

**RECEIVED  
KANSAS CORPORATION COMMISSION**

**JAN 17 2007**

**CONSERVATION DIVISION  
WICHITA, KS**

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

Woolsey Operating Co LLC

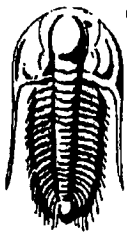
Shane Yost #1

10 31 17 Commanche K

DST # 1

Miss

2006.09.27



**TRIOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Woolsey Operating Co LLC

125 N Market Ste 1000  
Wichita KS 67202

ATTN: Brad Rine

Shane Yost #1

10 31 17 Commanche K

Job Ticket: 26301

DST#: 1

Test Start: 2006.09.27 @ 10:00:11

## GENERAL INFORMATION:

Formation: **Miss**

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

Time Tool Opened: 12:59:11

Time Test Ended: 19:59:26

Test Type: **Conventional Bottom Hole**

Tester: **Harley Davidson**

Unit No: **33**

Interval: **4952.00 ft (KB) To 5017.00 ft (KB) (TVD)**

Total Depth: **5017.00 ft (KB) (TVD)**

Hole Diameter: **7.78 inches** Hole Condition: **Fair**

Reference Elevations: **2066.00 ft (KB)**

**2054.00 ft (CF)**

KB to GR/CF: **12.00 ft**

Serial #: **6751**

Inside

Press@RunDepth: **128.72 psig @ 4987.00 ft (KB)**

Start Date: **2006.09.27**

End Date: **2006.09.27**

Start Time: **10:00:12**

End Time: **19:59:26**

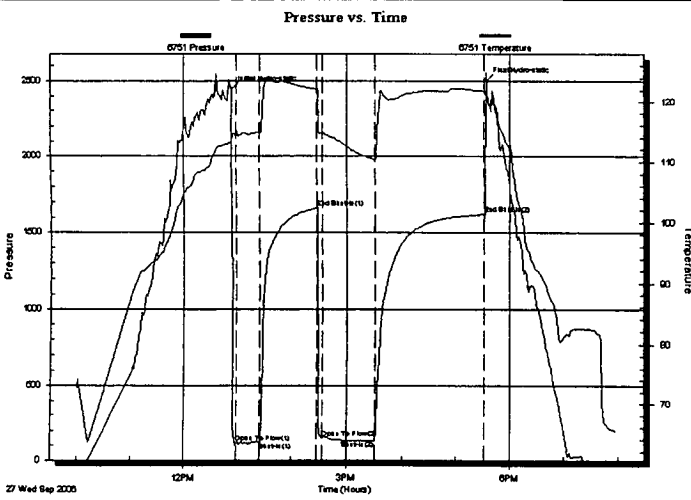
Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Time On Btm: **2006.09.27 @ 12:54:41**

Time Off Btm: **2006.09.27 @ 17:32:56**

TEST COMMENT: IF Strong blow BOB ASAO GTS 3 min.  
ISI No blow back  
FF Strong blow BOB GTS ASAO opened at 24 and died to 12.5.  
FSI Very weak blow back



## PRESSURE SUMMARY

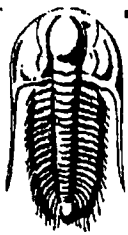
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2446.03	113.16	Initial Hydro-static
5	116.38	113.76	Open To Flow (1)
31	121.23	114.85	Shut-In(1)
93	1659.07	122.11	End Shut-In(1)
99	153.27	114.65	Open To Flow (2)
156	128.72	110.30	Shut-In(2)
277	1621.40	121.83	End Shut-In(2)
279	2502.44	120.85	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	5%G 95%M w/ a trace of Water	0.87
124.00	5%G 15%W 80%M slight trce of Oil	1.74
0.00		0.00

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	16.00	205.07
Last Gas Rate	0.50	12.50	181.46
Max. Gas Rate	0.50	24.00	259.04



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Woolsey Operating Co LLC

**Shane Yost #1**

125 N Market Ste 1000  
Wichita KS 67202

**10 31 17 Commanche K**

Job Ticket: 26301

**DST#: 1**

ATTN: Brad Rine

Test Start: 2006.09.27 @ 10:00:11

**Tool Information**

Drill Pipe:	Length: 4946.00 ft	Diameter: 3.80 inches	Volume: 69.38 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
		<b>Total Volume:</b>	<b>69.38 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4952.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	65.00 ft			
Tool Length:	93.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4925.00	
Shut In Tool	5.00			4930.00	
Hydraulic tool	5.00			4935.00	
Jars	5.00			4940.00	
Safety Joint	3.00			4943.00	
Packer	5.00			4948.00	28.00 Bottom Of Top Packer
Packer	4.00			4952.00	
Stubb	1.00			4953.00	
Perforations	1.00			4954.00	
Change Over Sub	1.00			4955.00	
Drill Pipe	31.00			4986.00	
Change Over Sub	1.00			4987.00	
Recorder	0.00	6751	Inside	4987.00	
Perforations	26.00			5013.00	
Recorder	0.00	11018	Inside	5013.00	
Bullnose	4.00			5017.00	65.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>93.00</b>				





**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Woolsey Operating Co LLC

Shane Yost #1

125 N Market Ste 1000  
Wichita KS 67202

10 31 17 Commanche K

Job Ticket: 26301

DST#: 1

ATTN: Brad Rine

Test Start: 2006.09.27 @ 10:00:11

**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: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.35 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
62.00	5%G 95%M w/ a trace of Water	0.870
124.00	5%G 15%W 80%M slight trce of Oil	1.739
0.00		0.000

Total Length: 186.00 ft

Total Volume: 2.609 bbl

Num Fluid Samples: 0

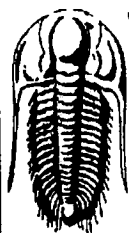
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



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

# DRILL STEM TEST REPORT

**GAS RATES**

Woolsey Operating Co LLC

**Shane Yost #1**

125 N Market Ste 1000  
Wichita KS 67202

**10 31 17 Commanche K**

Job Ticket: 26301

**DST#: 1**

ATTN: Brad Rine

Test Start: 2006.09.27 @ 10:00:11

## Gas Rates Information

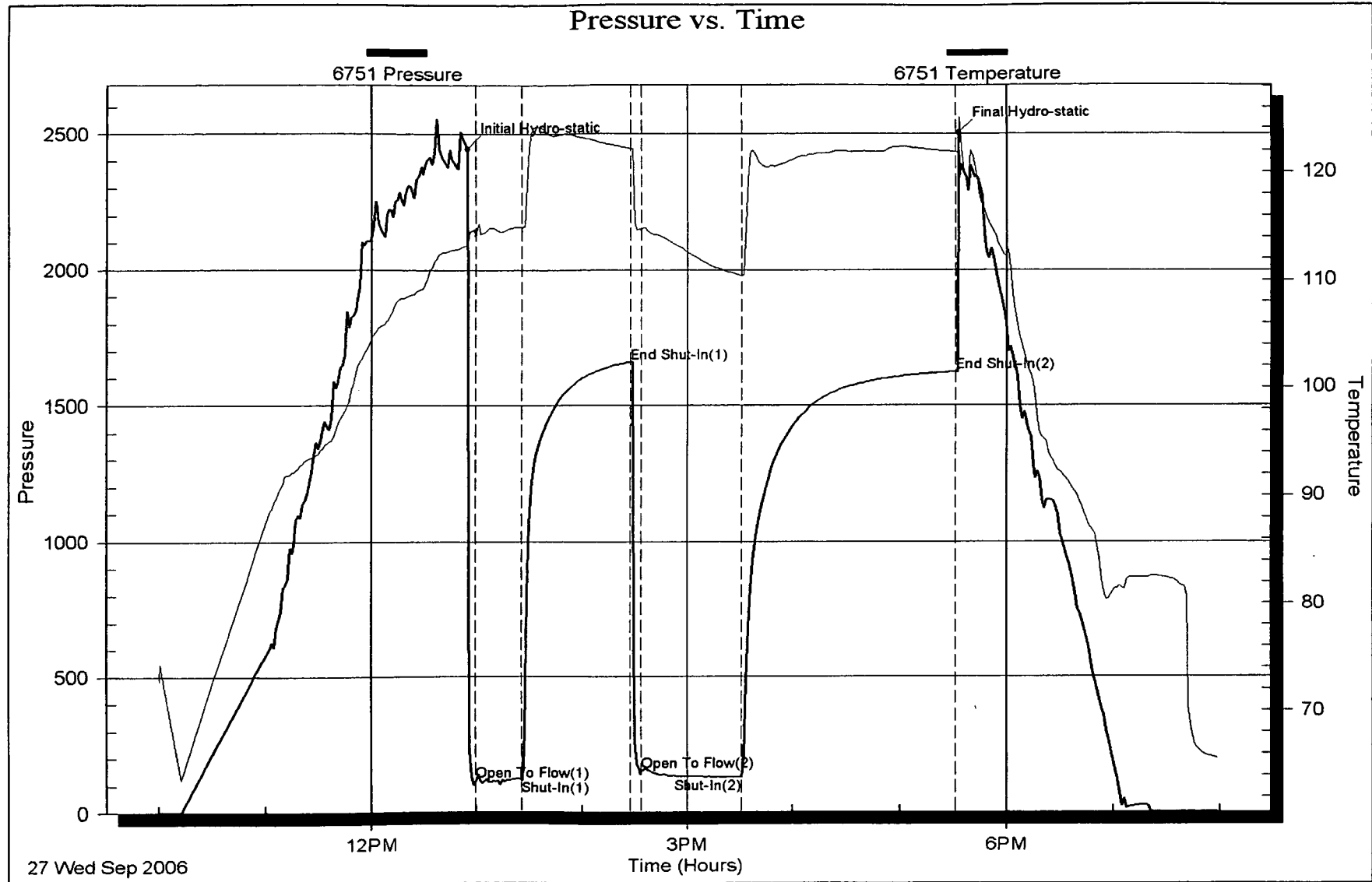
Temperature: 59 deg C

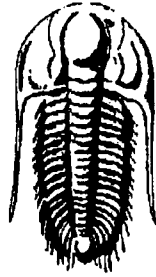
Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m <sup>3</sup> /d)
1	10	0.50	16.00	205.07
1	20	0.50	21.00	238.80
1	30	0.50	18.00	218.56
2	10	0.50	24.00	259.04
2	20	0.50	21.00	238.80
2	30	0.50	18.00	218.56
2	40	0.50	18.00	218.56
2	50	0.50	14.00	191.58
2	60	0.50	12.50	181.46





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

## DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co LLC**

125 N Market Ste 1000  
Wichita KS 67202

ATTN: Brad Rine

**10 31 17 Commanche K**

**Shane Yost #1**

Start Date: 2006.09.28 @ 11:00:22

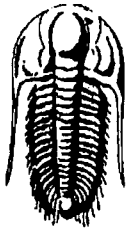
End Date: 2006.09.28 @ 20:42:37

Job Ticket #: 26302                      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

Shane Yost #1

125 N Market Ste 1000  
Wichita KS 67202

10 31 17 Commanche K

ATTN: Brad Rine

Job Ticket: 26302

DST#: 2

Test Start: 2006.09.28 @ 11:00:22

### GENERAL INFORMATION:

Formation: **Midd. Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:45:52

Time Test Ended: 20:42:37

Test Type: Conventional Bottom Hole

Tester: Harley Davidson

Unit No: 33

Interval: **5018.00 ft (KB) To 5065.00 ft (KB) (TVD)**

Total Depth: 5065.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Fair

Reference Elevations: 2066.00 ft (KB)

2054.00 ft (CF)

KB to GR/CF: 12.00 ft

### Serial #: 6751

Press@RunDepth: 25.75 psig @ ft (KB)

Start Date: 2006.09.28

End Date: 2006.09.28

Start Time: 11:00:23

End Time: 20:42:37

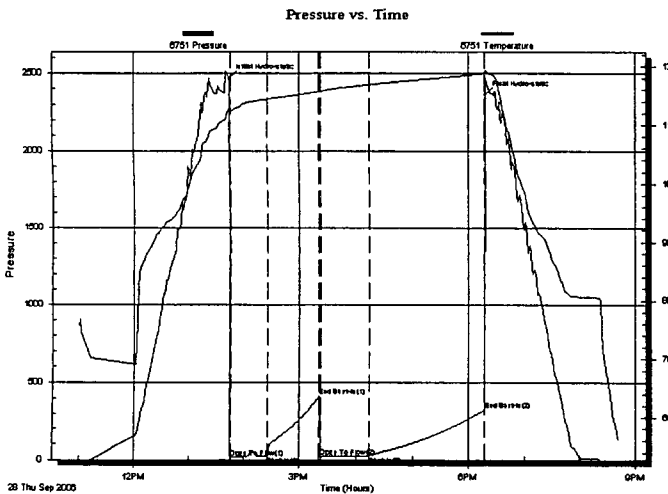
Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2006.09.28 @ 13:44:37

Time Off Btm: 2006.09.28 @ 18:17:37

TEST COMMENT: IF Weak building built to 5" in bucket  
ISI No blow back  
FF Weak blow built to 2" in bucket  
FSI No blow back



### PRESSURE SUMMARY

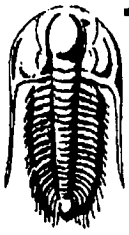
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2469.49	112.61	Initial Hydro-static
2	14.21	112.21	Open To Flow (1)
42	24.19	114.36	Shut-In(1)
97	409.76	115.70	End Shut-In(1)
98	19.48	115.59	Open To Flow (2)
149	25.75	116.92	Shut-In(2)
273	325.04	118.83	End Shut-In(2)
273	2363.22	119.38	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
0.00	120 of GIP.	0.00
30.00	5%G 95%M w/scum of Oil	0.15

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Woolsey Operating Co LLC

**Shane Yost #1**

125 N Market Ste 1000  
Wichita KS 67202

**10 31 17 Commanche K**

Job Ticket: 26302

**DST#: 2**

ATTN: Brad Rine

Test Start: 2006.09.28 @ 11:00:22

## Tool Information

Drill Pipe:	Length: 4444.00 ft	Diameter: 3.80 inches	Volume: 62.34 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 565.00 ft	Diameter: 2.25 inches	Volume: 2.78 bbl	Weight to Pull Loose: 80000.00 lb
		<b>Total Volume:</b>	<b>65.12 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	5018.00 ft			Final 58000.00 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
Change Over Sub	1.00			4991.00	
Shut In Tool	5.00			4996.00	
Hydraulic tool	5.00			5001.00	
Jars	5.00			5006.00	
Safety Joint	3.00			5009.00	
Packer	5.00			5014.00	28.00 Bottom Of Top Packer
Packer	4.00			5018.00	
Stubb	1.00			5019.00	
Change Over Sub	1.00			5020.00	
Drill Pipe	31.00			5051.00	
Change Over Sub	1.00			5052.00	
Perforations	1.00			5053.00	
Recorder	0.00	6751	Inside	5053.00	
Perforations	8.00			5061.00	
Recorder	0.00	11018	Inside	5061.00	
Bullnose	4.00			5065.00	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

Shane Yost #1

125 N Market Ste 1000  
Wichita KS 67202

10 31 17 Commanche K

Job Ticket: 26302

DST#: 2

ATTN: Brad Rine

Test Start: 2006.09.28 @ 11:00:22

## 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: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 13.16 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 9000.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

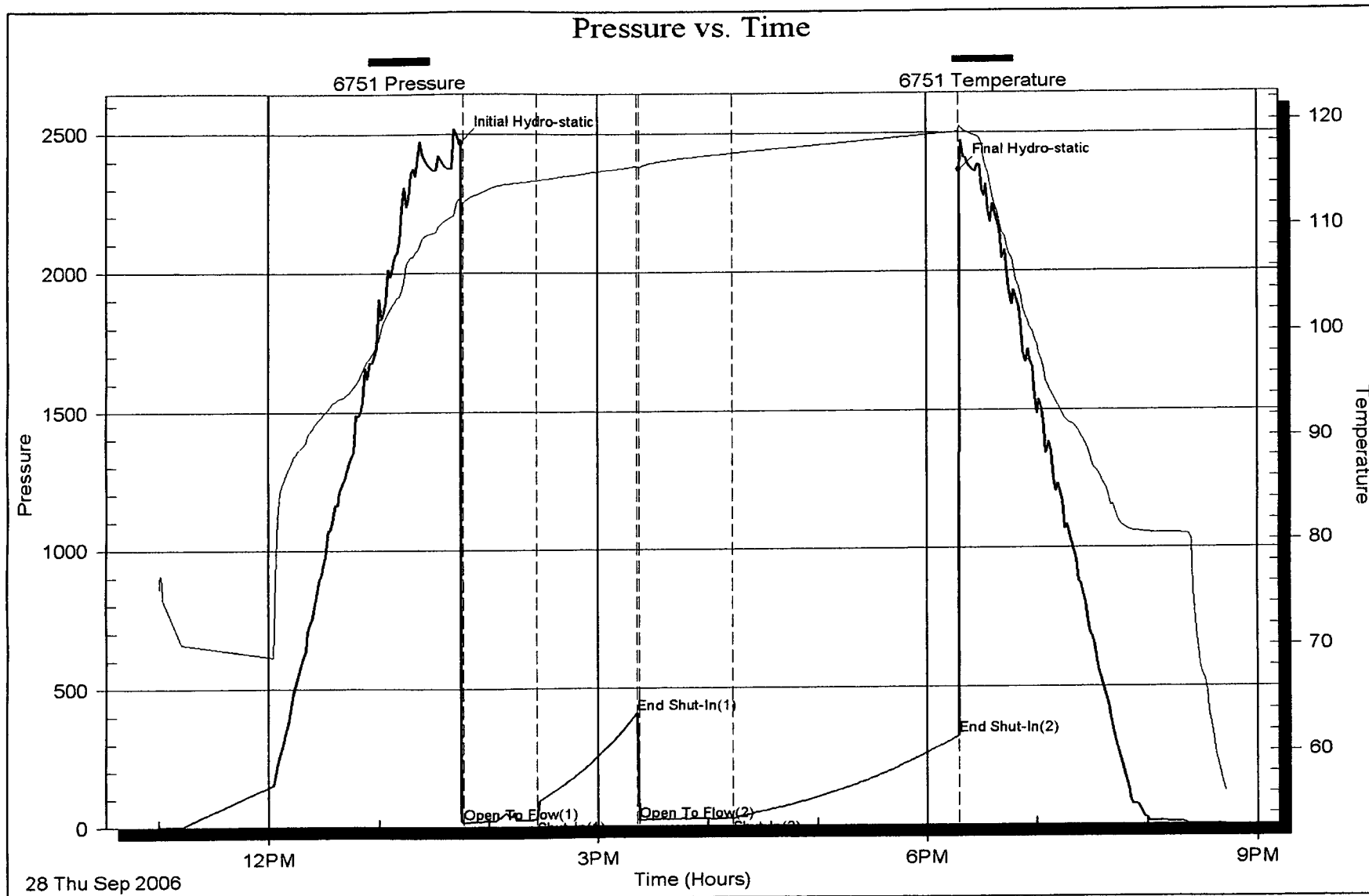
Length ft	Description	Volume bbl
0.00	120 of GIP.	0.000
30.00	5%G 95%M w/scum of Oil	0.148

Total Length: 30.00 ft      Total Volume: 0.148 bbl

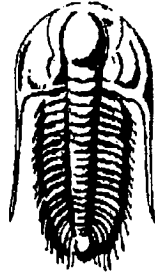
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

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: Brad Rine

**10 31 17 Commanche K**

**Shane Yost #1**

Start Date: 2006.09.29 @ 22:02:09

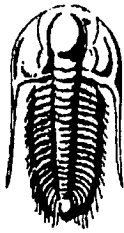
End Date: 2006.09.30 @ 09:45:09

Job Ticket #: 24971                      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

Shane Yost #1

125 N Market Ste 1000  
Wichita KS 67202

10 31 17 Commanche K

ATTN: Brad Rine

Job Ticket: 24971

DST#: 3

Test Start: 2006.09.29 @ 22:02:09

## GENERAL INFORMATION:

Formation: Miss.

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:47:09

Time Test Ended: 09:45:09

Test Type: Conventional Straddle

Tester: Gary Pevoteaux

Unit No: 23

Interval: 5066.00 ft (KB) To 5121.00 ft (KB) (TVD)

Total Depth: 5140.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Poor

Reference Elevations: 2066.00 ft (KB)

2054.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 6771

Inside

Press@RunDepth: 81.42 psig @ 5067.00 ft (KB)

Start Date: 2006.09.29

End Date:

2006.09.30

Start Time: 22:02:14

End Time:

09:45:09

Capacity: 7000.00 psig

Last Calib.: 2006.09.30

Time On Btrm: 2006.09.30 @ 00:46:54

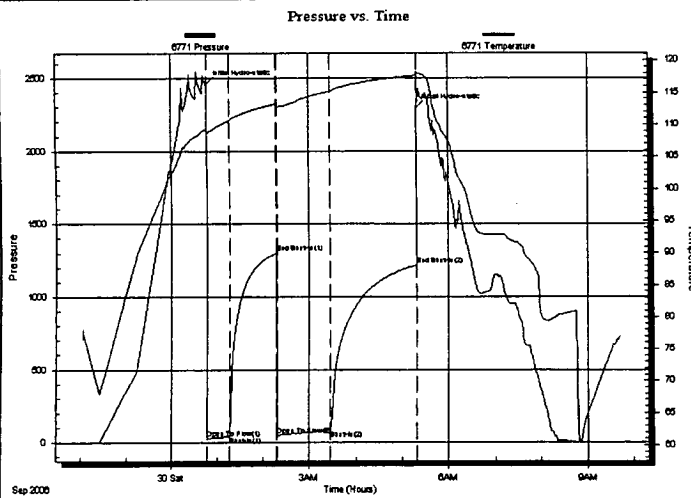
Time Off Btrm: 2006.09.30 @ 05:18:53

TEST COMMENT: IF Weak blow 1/2 - 1 1/2 "

ISI No blow

FF Weak blow 1/2 - 4 "

FSI No blow



## PRESSURE SUMMARY

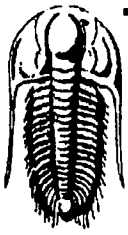
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2457.13	109.29	Initial Hydro-static
1	28.97	108.12	Open To Flow (1)
30	41.65	110.62	Shut-In(1)
91	1301.08	113.15	End Shut-In(1)
92	46.76	112.75	Open To Flow (2)
160	81.42	115.18	Shut-In(2)
272	1218.10	117.62	End Shut-In(2)
272	2295.74	118.27	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
75.00	WM 43%W 57%M	1.05
60.00	WM 29%W 71%M	0.84

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Woolsey Operating Co LLC

**Shane Yost #1**

125 N Market Ste 1000  
Wichita KS 67202

**10 31 17 Commanche K**

Job Ticket: 24971

**DST#: 3**

ATTN: Brad Rine

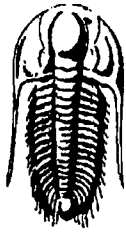
Test Start: 2006.09.29 @ 22:02:09

**Tool Information**

Drill Pipe:	Length: 5068.00 ft	Diameter: 3.80 inches	Volume: 71.09 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 71.09 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	5066.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	5121.00 ft			
Interval between Packers:	55.00 ft			
Tool Length:	101.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5040.00	
Shut In Tool	5.00			5045.00	
Hydraulic tool	5.00			5050.00	
Jars	5.00			5055.00	
Safety Joint	2.00			5057.00	
Packer	4.00			5061.00	27.00 Bottom Of Top Packer
Packer	5.00			5066.00	
Stubb	1.00			5067.00	
Recorder	0.00	6771	Inside	5067.00	
Perforations	5.00			5072.00	
Change Over Sub	1.00			5073.00	
Blank Spacing	31.00			5104.00	
Change Over Sub	0.00			5104.00	
Perforations	13.00			5117.00	
Recorder	0.00	10290	Outside	5117.00	
Blank Off Sub	1.00			5118.00	
travel collar	3.00			5121.00	55.00 Tool Interval
Packer	0.00			5121.00	
Stubb	1.00			5122.00	
Perforations	13.00			5135.00	
Recorder	0.00	13789	Below	5135.00	
Bullnose	5.00			5140.00	19.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>101.00</b>				



**TRILOBITE**  
TESTING, INC

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Woolsey Operating Co LLC

Shane Yost #1

125 N Market Ste 1000  
Wichita KS 67202

10 31 17 Comanche K

Job Ticket: 24971

DST#: 3

ATTN: Brad Rine

Test Start: 2006.09.29 @ 22:02:09

**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:

17500 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.58 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6500.00 ppm

Filter Cake: 0.20 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
75.00	WM 43%W 57%M	1.052
60.00	WM 29%W 71%M	0.842

Total Length: 135.00 ft

Total Volume: 1.894 bbl

Num Fluid Samples: 0

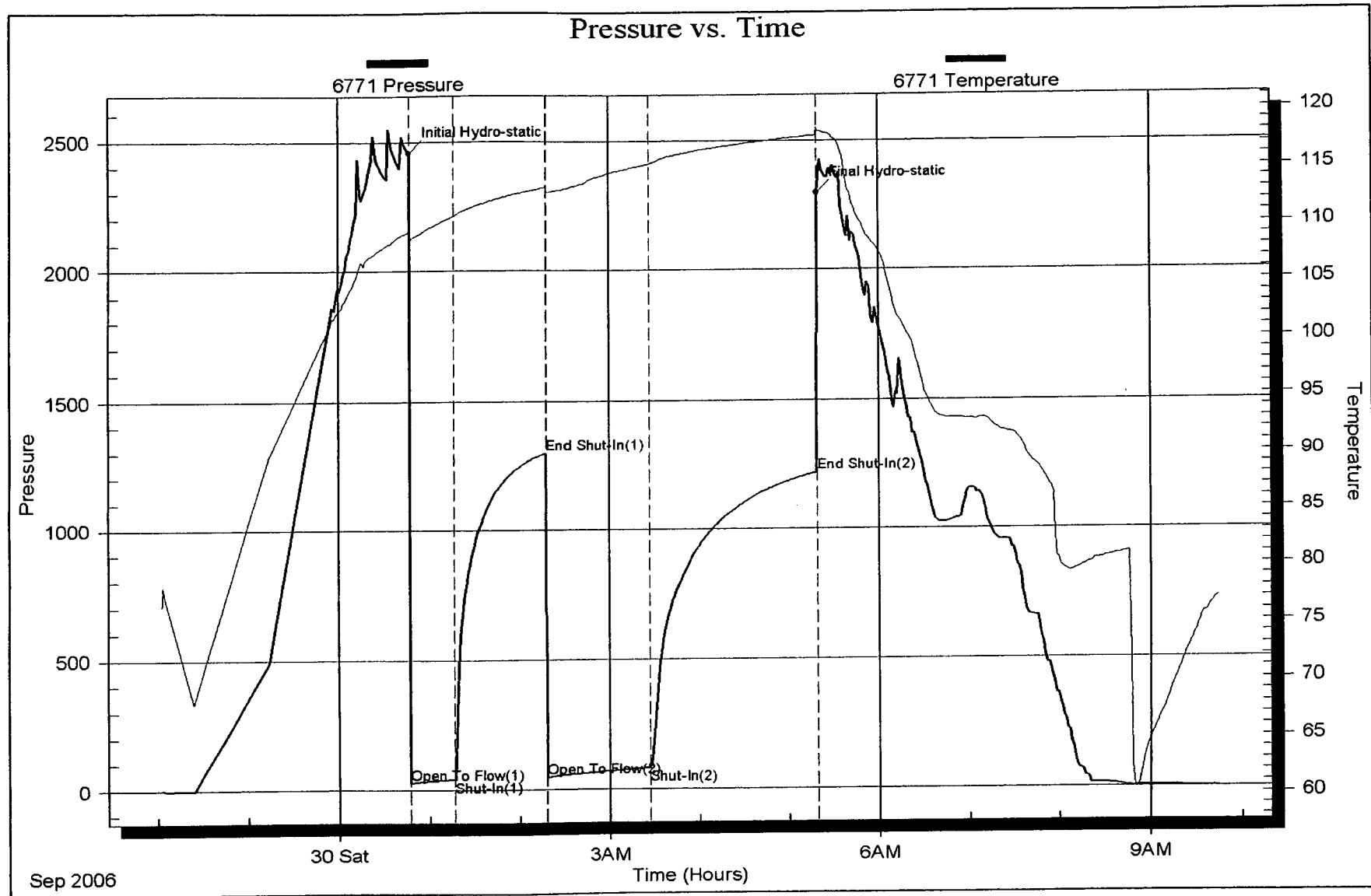
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:



1-17-09



**WOOLSEY OPERATING COMPANY, LLC**

125 NORTH MARKET, SUITE 1000, WICHITA, KANSAS 67202-1775 (316) 267-4379  
FAX (316) 267-4383

January 17, 2007

Kansas Corporation Commission  
130 S Market  
Rm 2078  
Wichita KS 67202

**KCC**  
JAN 17 2007  
**CONFIDENTIAL**

**Tight Hole Status Requested**

RE: Shane Yost 1  
Section 10-T31S-R17W  
Comanche County, Kansas  
API# 15-033-21479 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

**RECEIVED**  
**KANSAS CORPORATION COMMISSION**

**JAN 17 2007**

**CONSERVATION DIVISION**  
**WICHITA, KS**

/dkc  
Enclosures