

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

CONFIDENTIAL

Form ACO-1
October 2008
Form Must Be Typed

5/27/12

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33168
Name: WOOLSEY OPERATING COMPANY, LLC
Address 1: 125 N. Market
Address 2: Suite 1000
City: Wichita State: KS Zip: 67202
Contact Person: Dean Pattison
Phone: (316) 267-4379 (ext. 107)
CONTRACTOR: License # 30606
Name: MURFIN DRILLING CO., INC.
Wellsite Geologist: BILLY G. KLAVER
Purchaser: PLAINS MARKETING / BLUESTEM GAS MARKETING

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW
 Gas ENHR SIGW
 CM (Coal Bed Methane) Temp. Abd.
 Dry Other SI WOPL
(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. Conv. to SWD
 Plug Back: _____ Plug Back Total Depth _____
 Commingled Docket No.: _____
 Dual Completion Docket No.: _____
 Other (SWD or Enhr.?) Docket No.: _____
01/27/2010 02/11/2010 03/30/2010
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 007-23491 0000
Spot Description: _____
SE NW NW SE Sec. 28 Twp. 34 S. R. 11 East West
2065 Feet from North / South Line of Section
2215 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: BARBER
Lease Name: MOLZ Well #: 1
Field Name: STRANATHAN NE
Producing Formation: MISSISSIPPIAN
Elevation: Ground: 1382 Kelly Bushing: 1393
Total Depth: 5435 Plug Back Total Depth: 5101
Amount of Surface Pipe Set and Cemented at: 226 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: _____ Feet
If Alternate II completion, cement circulated from: _____
feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan AFI NJ 2-10
(Data must be collected from the Reserve Pit)
Chloride content: 20,000 ppm Fluid volume: 1600 bbls
Dewatering method used: Haul free fluids and allow to dry
Location of fluid disposal if hauled offsite: _____
Operator Name: WOOLSEY OPERATING COMPANY, LLC
Lease Name: Harbaugh 2 SWD License No.: 33168
Quarter _____ Sec. 32 Twp. 33 S. R. 11 East West
County: Barber Docket No.: D - 30,333

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 Date: May 27, 2010
Exploration and Production Manager
Subscribed and sworn to before me this 27th day of May,
20 10.
Notary Public: Debra K. Clingan
Date Commission Expires: March 27, 2014

KCC Office Use ONLY
 Letter of Confidentiality Received
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received

UIC Distribution
RECEIVED
KANSAS CORPORATION COMMISSION
MAY 27 2010

DEBRA K. CLINGAN
NOTARY PUBLIC
STATE OF KANSAS
My Appl. Exp. 3-27-14

CONSERVATION DIVISION
WICHITA, KS

Operator Name: WOOLSEY OPERATING COMPANY, LLC Lease Name: MOLZ Well #: 1
 Sec. 28 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 <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: Spectral Density Dual Spaced Neutron Array Compensated Resistivity Wave Sonic - Slowness - Porosity Micro Cement Bond	<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>Chase</td> <td>1840</td> <td>- 447</td> </tr> <tr> <td>Douglas</td> <td>3770</td> <td>- 2377</td> </tr> <tr> <td>Hertha</td> <td>4467</td> <td>- 3074</td> </tr> <tr> <td>Mississippian</td> <td>4701</td> <td>- 3308</td> </tr> <tr> <td>Viola</td> <td>5020</td> <td>- 3627</td> </tr> <tr> <td>Simpson</td> <td>5159</td> <td>- 3772</td> </tr> <tr> <td>Arbuckle</td> <td>5351</td> <td>- 3958</td> </tr> </table>	Name	Top	Datum	Chase	1840	- 447	Douglas	3770	- 2377	Hertha	4467	- 3074	Mississippian	4701	- 3308	Viola	5020	- 3627	Simpson	5159	- 3772	Arbuckle	5351	- 3958
Name	Top	Datum																							
Chase	1840	- 447																							
Douglas	3770	- 2377																							
Hertha	4467	- 3074																							
Mississippian	4701	- 3308																							
Viola	5020	- 3627																							
Simpson	5159	- 3772																							
Arbuckle	5351	- 3958																							

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 3/4"	10 3/4"	32# / ft	226	Class A	240 / 200	3% cc & 2% gel / 4% gyp, 2% cc & 1% gel & Top w/ 50 sx Thixotropic
Production	7 7/8"	4 1/2"	10.5# / ft	5157	60/40 poz	50	4% gel, 1/4# Floseal
					Class H	225	10% salt, 10% Gypseal, 1/4# Floseal, 6# Kolseal, ClaPro & .8% FL180

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
4	Perf Miss zone 4702'-4712' & 4714'-4734'	ACID: 2800 gal 10% MIRA	4702' -
2	Perf Miss zone 4738'-4764'	FRAC: 367,700 gal treated 2% KCl wtr, 133,500# 30/70 sd, 25,000# 16/30 sd & 12,000# 16/30 resin coated sd	4764' OA

TUBING RECORD:	Size: 2 3/8"	Set At: 4840'	Packer At: n/a	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. TBA (SI - Waiting on pipeline connections)		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. TBD	Gas Mcf TBD	Water Bbls. TBD	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: 4702' - 4764' OA
---	---	--

Mail to: KCC - Conservation Division, 1305 S. Market - Room 178, Wichita, Kansas 67202

KCC
MAY 27 2010
CONFIDENTIAL

ALLIED CEMENTING CO., LLC. 037098

P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Madison

DATE <u>2-12-10</u>	SEC. <u>28</u>	TWP. <u>34S</u>	RANGE <u>11W</u>	CALLED OUT <u>6:30 p.m.</u>	ON LOCATION	JOB START <u>4:00 p.m.</u>	JOB FINISH <u>5:00 A.M.</u>
LEASE <u>Md/2</u>	WELL # <u>1</u>	LOCATION <u>Scottsman rd, 28, 29, 16, N,</u>			COUNTY <u>Barber</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)				<u>W/ITO</u>			

CONTRACTOR <u>Martin #20</u>	OWNER <u>Woodsey Operating</u>
TYPE OF JOB <u>Production</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>5435'</u>
CASING SIZE <u>4 1/2</u>	DEPTH <u>5157'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX <u>1800</u>	MINIMUM
MEAS. LINE	SHOE JOINT <u>42</u>
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT <u>8 1/2 BBB's</u>	
EQUIPMENT	

CEMENT	AMOUNT ORDERED		
	<u>852x 4 1/2" x 4 1/2" + 4 1/2" x 4 1/2" seal</u>		
	<u>225x 4 1/2" x 10 1/2" salt tile #101-200 +</u>		
	<u>188 1/2" x 10 1/2" x 10 1/2" seal</u>	<u>Clapro-8545</u>	
COMMON-A	<u>51 sx</u>	@ <u>15.45</u>	<u>787.95</u>
POZMIX	<u>34 sx</u>	@ <u>8.00</u>	<u>272.00</u>
GEL		@	
CHLORIDE		@	
ASC		@	
<u>Alo seal</u>	<u>77 #</u>	@ <u>2.50</u>	<u>192.50</u>
<u>H</u>	<u>225 sx</u>	@ <u>16.75</u>	<u>3768.75</u>
<u>Gyp seal</u>	<u>21 sx</u>	@ <u>29.00</u>	<u>613.00</u>
<u>Salt</u>	<u>24 sx</u>	@ <u>12.00</u>	<u>288.00</u>
<u>Ko seal</u>	<u>1350 #</u>	@ <u>.89</u>	<u>1201.50</u>
<u>FI-160</u>	<u>169 #</u>	@ <u>13.00</u>	<u>2247.00</u>
<u>Clapro</u>	<u>9 Gals</u>	@ <u>31.22</u>	<u>281.22</u>
HANDLING	<u>.310</u>	@ <u>2.40</u>	<u>744.00</u>
MILEAGE	<u>310 / .10 / 15</u>		<u>465.00</u>
			TOTAL <u>10,261.85</u>

PUMP TRUCK CEMENTER <u>Mark L.</u>	
# <u>471-302</u>	HELPER <u>Mark G. / Blaylock</u>
BULK TRUCK	
# <u>421-257</u>	DRIVER <u>VELL FILE</u>
BULK TRUCK	gulatory Correspondence
#	DRIVER <u>9 / Comp</u> Workovers
	is / Meters Operations

REMARKS:

*Pipe on bottom, break line, plus ret damage.
mix 50% sealant + 50% salt tile #101-200 +
tail wash pump + hose. Drop w/ 2 1/2"
Kohler. Seal with 3/4" salt tile. Pump
plus 1000 over 8 1/2" BBB. Float and
hold*

SERVICE

DEPTH OF JOB	<u>5157'</u>		
PUMP TRUCK CHARGE		<u>2185.00</u>	
EXTRA FOOTAGE		@	
MILEAGE	<u>15</u>	@ <u>7.00</u>	<u>105.00</u>
MANIFOLD		@	
		@	
		@	
			TOTAL <u>2290.00</u>

CHARGE TO: Woodsey Operating
STREET _____
CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>1-AFUSHoe</u>	@	<u>205.00</u>	
<u>1-Subdown Assm.</u>	@	<u>145.00</u>	
<u>11-technical Rees</u>	@ <u>37.00</u>	<u>415.00</u>	
<u>18-Subdowns</u>	@ <u>55.00</u>	<u>1001.00</u>	
	@		
			TOTAL <u>1767.00</u>

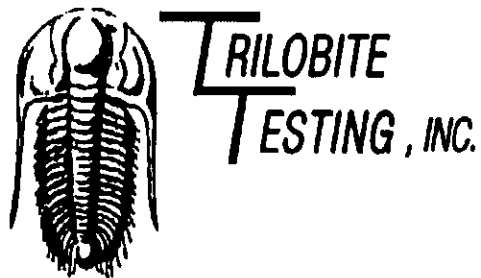
To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (if Any) _____
TOTAL CHARGES 2290.00
DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME MIKE THARP
SIGNATURE [Signature]

RECEIVED
KANSAS CORPORATION COMMISSION
MAY 27 2010
CONSERVATION DIVISION
WICHITA, KS

KCC
MAY 27 2010
CONFIDENTIAL



DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co., LLC**

125 N. Market, Ste. 1000
Wichita, KS 67202

ATTN: Bill Klaver

28-34s-11w Barber KS

Molz # 1

Start Date: 2010.02.07 @ 12:33:12

End Date: 2010.02.07 @ 22:19:42

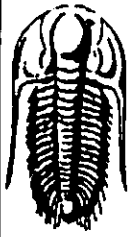
Job Ticket #: 35672 DST #: 1

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 27 2010

CONSERVATION DIVISION
WICHITA, KS

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Woolsey Operating Co., LLC

Molz # 1

125 N. Market, Ste. 1000
Wichita, KS 67202

28-34s-11w Barber KS

ATTN: Bill Klaver

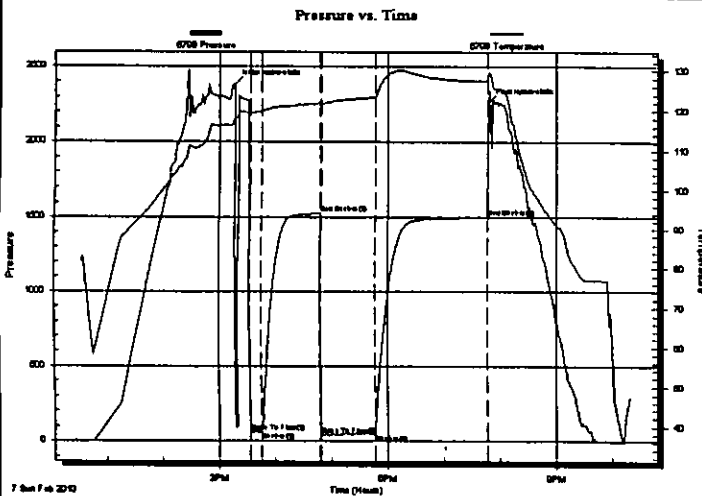
Job Ticket: 35672 DST#: 1
Test Start: 2010.02.07 @ 12:33:12

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: **No Whipstock** ft (KB)
 Time Tool Opened: 15:33:12
 Time Test Ended: 22:19:42
 Interval: **4700.00 ft (KB) To 4730.00 ft (KB) (TVD)**
 Total Depth: **4730.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole**
 Tester: **Jerry Adams**
 Unit No: **45**
 Reference Elevations: **1391.00 ft (KB)**
1380.00 ft (CF)
 KB to GR/CF: **11.00 ft**

Serial #: **6798** Inside
 Press@RunDepth: **47.30 psig @ 4701.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2010.02.07** End Date: **2010.02.07** Last Calib.: **2010.02.07**
 Start Time: **12:33:13** End Time: **22:19:42** Time On Btm: **2010.02.07 @ 15:16:12**
 Time Off Btm: **2010.02.07 @ 19:47:42**

TEST COMMENT: **IF: Strong blow . B.O.B. in 75 secs.**
IS: No blow.
FF: Strong blow . B.O.B. immediately. GTS in 20 mins. (see gas flow report.)
FS: No blow.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2379.42	118.03	Initial Hydro-static
17	61.93	119.17	Open To Flow (1)
30	63.06	119.74	Shut-In(1)
91	1524.68	121.88	End Shut-In(1)
93	44.27	121.32	Open To Flow (2)
150	47.30	123.42	Shut-In(2)
271	1503.22	127.52	End Shut-In(2)
272	2266.81	129.29	Final Hydro-static

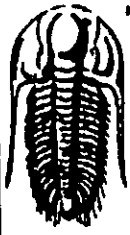
Recovery

Length (ft)	Description	Volume (bbl)
60.00	SGCM 5%g 95% m	0.30
0.00	4633' GP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	1.00	24.43
Last Gas Rate	0.25	1.00	24.43
Max. Gas Rate	0.25	1.00	24.43

RECEIVED
KANSAS CORPORATION COMMISSION



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Co., LLC

Molz # 1

125 N. Market, Ste. 1000
Wichita, KS 67202

28-34s-11w Barber KS

Job Ticket: 35672

DST#: 1

ATTN: Bill Klaver

Test Start: 2010.02.07 @ 12:33:12

Tool Information

Drill Pipe:	Length: 4510.00 ft	Diameter: 3.80 inches	Volume: 63.26 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 100000.0 lb
			Total Volume: 64.16 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	4700.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	58.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool slid 3' and closed hydraulic tool on first opening.

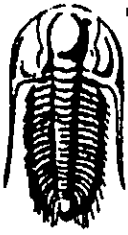
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4677.00	
Hydraulic tool	5.00			4682.00	
Jars	5.00			4687.00	
Safety Joint	3.00			4690.00	
Packer	5.00			4695.00	28.00 Bottom Of Top Packer
Packer	5.00			4700.00	
Stubb	1.00			4701.00	
Recorder	0.00	6798	Inside	4701.00	
Recorder	0.00	8367	Outside	4701.00	
Perforations	26.00			4727.00	
Bullnose	3.00			4730.00	30.00 Bottom Packers & Anchor

Total Tool Length: 58.00

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 27 2010

CONSERVATION DIVISION
WICHITA, KS



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co., LLC

Molz # 1

125 N. Market, Ste. 1000
Wichita, KS 67202

28-34s-11w Barber KS

Job Ticket: 35672

DST#: 1

ATTN: Bill Klaver

Test Start: 2010.02.07 @ 12:33:12

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 9.97 in³

Resistivity: 0.00 ohm.m

Salinity: 7000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API

Water Salinity: ppm

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	SGCM 5%g 95%m	0.295
0.00	4633' GP	0.000

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

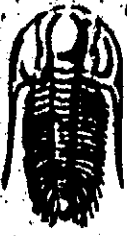
Laboratory Location:

Recovery Comments:

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 27 2010

CONSERVATION DIVISION
WICHITA, KS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Woolsey Operating Co., LLC

Molz # 1

125 N. Market, Ste. 1000
Wichita, KS 67202

28-34s-11w Barber KS

Job Ticket: 35672

DST#: 1

ATTN: Bill Klaver

Test Start: 2010.02.07 @ 12:33:12

Gas Rates Information

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

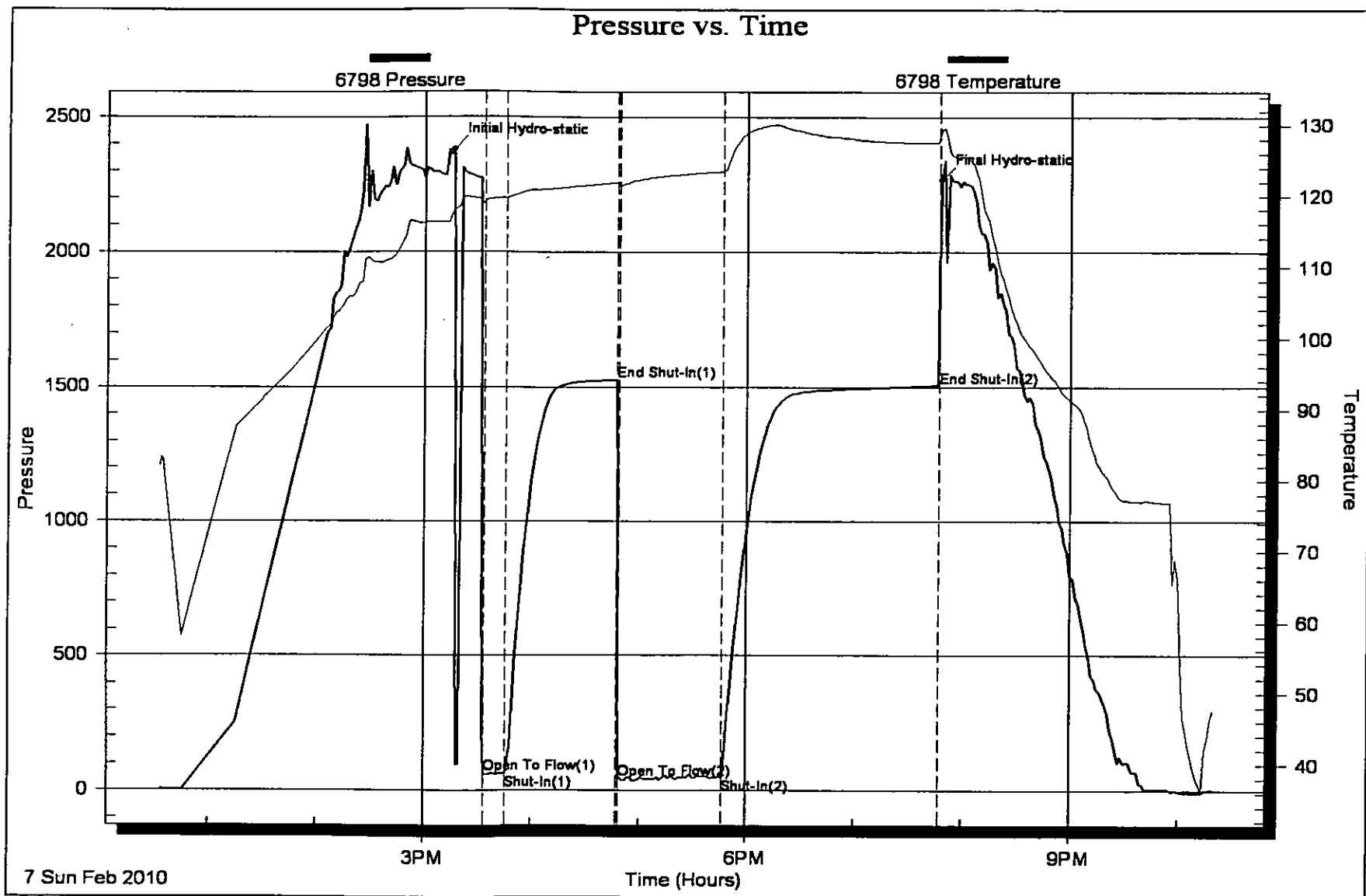
Gas Rates Table

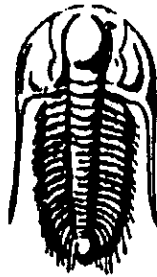
Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
2	30	0.25	1.00	24.43
2	30	0.25	1.00	24.43
2	40	0.25	1.00	24.43
2	50	0.25	1.00	24.43

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 27 2010

CONSERVATION DIVISION
WICHITA, KS





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co., LLC**

125 N. Market, Ste. 1000
Wichita, KS 67202

ATTN: Bill Klaver

28-34s-11w Barber KS

Molz # 1

Start Date: 2010.02.08 @ 08:37:20

End Date: 2010.02.08 @ 18:25:20

Job Ticket #: 35673 DST #: 2

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 27 2010

CONSERVATION DIVISION
WICHITA, KS

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

Woolsey Operating Co., LLC

Molz # 1

28-34s-11w Barber KS

DST # 2

Mississippi

2010.02.08



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Woolsey Operating Co., LLC

Molz # 1

125 N. Market, Ste. 1000
Wichita, KS 67202

28-34s-11w Barber KS

ATTN: Bill Klaver

Job Ticket: 35673

DST#: 2

Test Start: 2010.02.08 @ 08:37:20

GENERAL INFORMATION:

Formation: **Mississippi**

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

Time Tool Opened: 11:09:20

Time Test Ended: 18:25:20

Test Type: **Conventional Bottom Hole**

Tester: **Jerry Adams**

Unit No: **45**

Interval: **4732.00 ft (KB) To 4762.00 ft (KB) (TVD)**

Total Depth: **4762.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1391.00 ft (KB)**

1380.00 ft (CF)

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

Serial #: **6798**

Inside

Press@RunDepth: **50.17 psig @ 4733.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.02.08**

End Date: **2010.02.08**

Last Calib.: **2010.02.08**

Start Time: **08:37:21**

End Time: **18:25:20**

Time On Btm: **2010.02.08 @ 11:07:20**

Time Off Btm: **2010.02.08 @ 15:58:20**

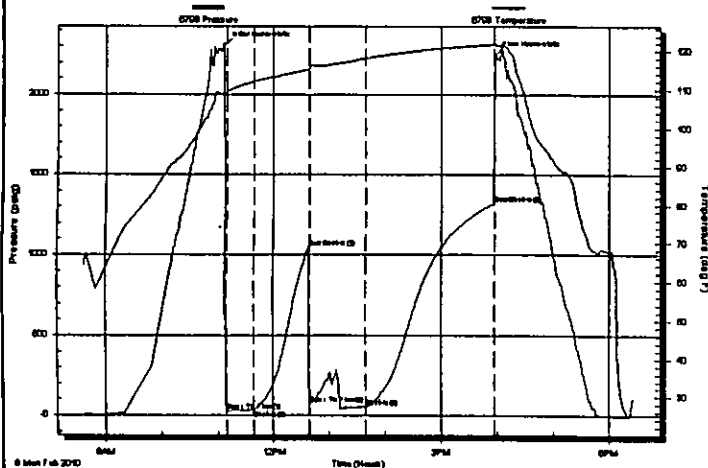
TEST COMMENT: **IF:Weak blow . Built to 7".**

IS:No blow .

FF:Weak blow . Built to 8".

FS:No blow .

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2307.14	109.45	Initial Hydro-static
2	23.20	109.64	Open To Flow (1)
31	32.90	112.10	Shut-in(1)
91	1042.32	115.22	End Shut-in(1)
92	70.15	115.97	Open To Flow (2)
152	50.17	118.24	Shut-in(2)
290	1321.58	121.79	End Shut-in(2)
291	2245.09	121.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	SGCM w /oil specs 2%g 98%m	0.30
0.00	120' GIP	0.00

Gas Rates

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

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 27 2010

CONSERVATION DIVISION
WICHITA, KS



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Co., LLC
125 N. Market, Ste. 1000
Wichita, KS 67202
ATTN: Bill Klaver

Molz # 1
28-34s-11w Barber KS
Job Ticket: 35673 DST#: 2
Test Start: 2010.02.08 @ 08:37:20

Tool Information

Drill Pipe:	Length: 4542.00 ft	Diameter: 3.80 inches	Volume: 63.71 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 64.61 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	4732.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	58.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

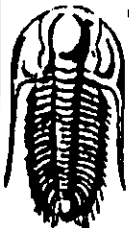
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4709.00	
Hydraulic tool	5.00			4714.00	
Jars	5.00			4719.00	
Safety Joint	3.00			4722.00	
Packer	5.00			4727.00	28.00 Bottom Of Top Packer
Packer	5.00			4732.00	
Stubb	1.00			4733.00	
Recorder	0.00	6798	Inside	4733.00	
Recorder	0.00	8367	Outside	4733.00	
Perforations	26.00			4759.00	
Bullnose	3.00			4762.00	30.00 Bottom Packers & Anchor

Total Tool Length: 58.00

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 27 2010

CONSERVATION DIVISION
WICHITA, KS



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co., LLC

Molz # 1

125 N. Market, Ste. 1000
Wichita, KS 67202

28-34s-11w Barber KS

Job Ticket: 35673

DST#: 2

ATTN: Bill Klaver

Test Start: 2010.02.08 @ 08:37:20

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 7.59 in³

Resistivity: 0.00 ohm.m

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	SGCM w/oil specs 2%g 98%m	0.295
0.00	120' GP	0.000

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

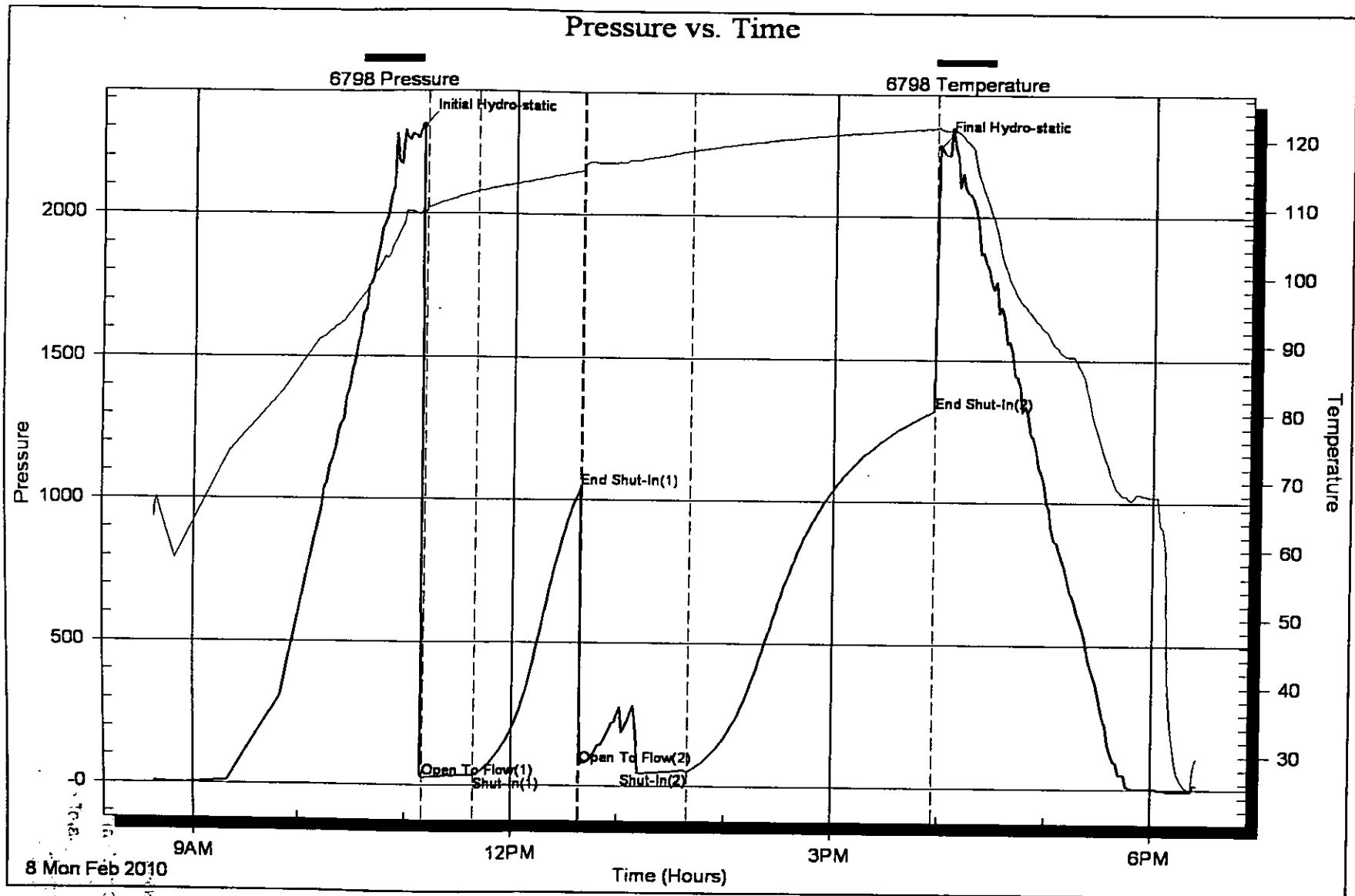
Laboratory Location:

Recovery Comments:

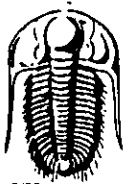
RECEIVED
KANSAS CORPORATION COMMISSION

MAY 27 2010

CONSERVATION DIVISION
WICHITA, KS



MAY 27 2010



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
FEB 15 2010

Test Ticket

NO. 35672

BY: _____

Well Name & No. Molz #1 Test No. 1 Date 2-7-10
 Company Woolsey Operating Company, LLC Elevation 1391 KB 1380 GL
 Address 125 N. Market, Ste. 1000 Wichita, Kansas 67202
 Co. Rep / Geo. Bill Klaver Rig Murfin Drlg. # 20
 Location: Sec. 28 Twp. 34S Rge. 11W Co. Barber State Ks.

Interval Tested 4700-4780 Zone Tested Mississippi
 Anchor Length 30' Drill Pipe Run 4510' Mud Wt. 9.1
 Top Packer Depth 4695 Drill Collars Run 183' Vis 54
 Bottom Packer Depth 4700 Wt. Pipe Run 0 WL 10.0
 Total Depth 4730 Chlorides 7,000 ppm System LCM 0

Blow Description IF: Strong blow. B.O.B. in 75 secs.
ISI: No blow.
FF: Strong blow. B.O.B. immediately. GTS in 20 mins. (see gas flow report.)
FSI: No blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>566m</u>	<u>5</u>			<u>95</u>
<u>0</u>	<u>4633' GTP</u>				

Rec Total 60 BHT 127 Gravity N/A API RW N/A @ —° F Chlorides — ppr

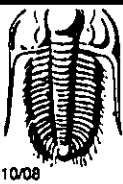
(A) Initial Hydrostatic <u>2379</u>	<input checked="" type="checkbox"/> Test <u>1150'</u>	T-On Location <u>1130</u>
(B) First Initial Flow <u>62</u>	<input checked="" type="checkbox"/> Jars <u>250'</u>	T-Started <u>1130 1233</u>
(C) First Final Flow <u>63</u>	<input checked="" type="checkbox"/> Safety Joint <u>75'</u>	T-Open <u>1533</u>
(D) Initial Shut-In <u>1525</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>1947</u>
(E) Second Initial Flow <u>44</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>2219</u>
(F) Second Final Flow <u>47</u>	<input checked="" type="checkbox"/> Mileage <u>118 R.T.</u>	Comments <u>Tool slid 3' and closed hydraulic tool on first opening.</u>
(G) Final Shut-In <u>1503</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2267</u>	<input type="checkbox"/> Straddle _____	

Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Extra Copies _____
Final Shut-In <u>120</u>	<input type="checkbox"/> Day Standby _____	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility _____	Total <u>1593'</u>
	Sub Total <u>1593'</u>	

Approved By Bill Klaver Our Representative Jerry Adams Thank You!

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

RECEIVED
KANSAS CORPORATION COMMISSION
MAY 27 2010
CONSERVATION DIVISION
WICHITA, KS



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
FEB 15 2010

Test Ticket

NO. 35673

BY: _____

Well Name & No. Molz #1 Test No. 2 Date 2-8-10
 Company Woolsey Operating Company, LLC Elevation 1391 KB 1380 GL
 Address 125 N. Market, Ste. 1000 Wichita, Kansas 67202
 Co. Rep / Geo. Bill Klaver Rig Murfin Drlg. #20
 Location: Sec. 28 Twp. 34s Rge. 11w Co. Barber State Ks

Interval Tested 4732 - 4762 Zone Tested Mississippi
 Anchor Length 30' Drill Pipe Run 4542' Mud Wt. 9.0
 Top Packer Depth 4727 Drill Collars Run 183' Vis 5.5
 Bottom Packer Depth 4732 Wt. Pipe Run 0 WL 7.6
 Total Depth 4762 Chlorides 5,000 ppm System LCM 6#

Blow Description IF: Weak blow Built to 7"
ISI: No blow
FF: Weak blow Built to 8"
FSI: No blow

Rec	Feet of	%gas	%oil	%water	%muc
<u>60</u>	<u>SGCM w/oil specs</u>	<u>2</u>		<u>98</u>	
<u>0</u>	<u>120' GIP</u>				

Rec Total 60 BHT 121 Gravity N/C API RW N/A @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2307</u>	<input checked="" type="checkbox"/> Test <u>1150'</u>	T-On Location <u>0800</u>
(B) First Initial Flow <u>23</u>	<input checked="" type="checkbox"/> Jars <u>250'</u>	T-Started <u>0837</u>
(C) First Final Flow <u>33</u>	<input checked="" type="checkbox"/> Safety Joint <u>75'</u>	T-Open <u>1109</u>
(D) Initial Shut-In <u>1042</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>1555</u>
(E) Second Initial Flow <u>70</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>1825</u>
(F) Second Final Flow <u>50</u>	<input checked="" type="checkbox"/> Mileage <u>118 R.T.</u>	Comments _____
(G) Final Shut-In <u>1322</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2245</u>	<input type="checkbox"/> Straddle _____	

Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Extra Copies _____
Final Shut-In <u>120</u>	<input type="checkbox"/> Day Standby _____	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility _____	Total <u>1593</u>
	Sub Total <u>1593</u>	

Approved By Bill Klaver

Our Representative Jerry Adams

Thank You.

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 27 2010
CONSERVATION DIVISION
WICHITA, KS