

RECEIVED

OCT 01 2010

Form ACO-1  
June 2009

Form Must Be Typed  
Form must be Signed  
Blanks must be Filled

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**WELL COMPLETION FORM**

**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

KCC WICHITA

10/1/12

OPERATOR: License # 31980  
 Name: Lotus Operating Company, LLC  
 Address 1: 100 S. Main, Suite 420  
 Address 2: \_\_\_\_\_  
 City: Wichita State: KS Zip: 67202 + 3737  
 Contact Person: Tim Hellman  
 Phone: (316) 262-1077  
 CONTRACTOR: License # 5929  
 Name: Duke Drilling Co., Inc.  
 Wellsite Geologist: Joe Baker/Tim Hellman  
 Purchaser: High Sierra Marketing, LP

KCC  
OCT 12 2010  
CONFIDENTIAL

Designate Type of Completion:  
 New Well     Re-Entry     Workover  
 Oil     WSW     SWD     SLOW  
 Gas     D&A     ENHR     SIGW  
 OG     GSW     Temp. Abd.  
 CM (Coal Bed Methane)  
 Cathodic     Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening     Re-perf.     Conv. to ENHR     Conv. to SWD  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_

6/3/2010	6/13/2010	06/13/2010
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-185-23624-00-00  
 Spot Description: \_\_\_\_\_  
E2\_SE\_SW\_NE Sec. 26 Twp. 25 S. R. 11  East  West  
2,310 Feet from  North /  South Line of Section  
1,485 Feet from  East /  West Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
 County: Stafford  
 Lease Name: Zink A Well #: 1  
 Field Name: Wildcat  
 Producing Formation: Mississippi  
 Elevation: Ground: 1795 Kelly Bushing: 1806  
 Total Depth: 4400 Plug Back Total Depth: 4216  
 Amount of Surface Pipe Set and Cemented at: 257 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**  
 (Data must be collected from the Reserve Pit)  
 Chloride content: 28,000 ppm Fluid volume: 680 bbls  
 Dewatering method used: vacuum truck  
 Location of fluid disposal if hauled offsite: \_\_\_\_\_  
 Operator Name: Bullseye Oilfield  
 Lease Name: Clark License #: 31056  
 Quarter NW Sec. 10 Twp. 26 S. R. 12  East  West  
 County: Pratt Permit #: 15-151-21178

**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.

**AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: [Signature]

Title: managing member Date: 10/1/10

**KCC Office Use ONLY**

Letter of Confidentiality Received  
 Date: 10/1/10 - 10/1/12  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
 ALT  I  II  III Approved by: N5 Date: 10-1-10

Operator Name: Lotus Operating Company, LLC Lease Name: Zink A Well #: 1 **KCC**  
 Sec. 26 Twp. 25 S. R. 11  East  West County: Stafford **OCT 12 2010**

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests given in the field. Report 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 complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

**CONFIDENTIAL**

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 Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>DUAL INDUCTION, NEUTRON DENSITY w/PE,                  MICRO AND SONIC</b>	<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:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Heebner</td> <td>3350</td> <td>-1544</td> </tr> <tr> <td>BrnLm</td> <td>3528</td> <td>-1722</td> </tr> <tr> <td>BKC</td> <td>3890</td> <td>-2084</td> </tr> <tr> <td>Miss</td> <td>3999</td> <td>-2193</td> </tr> <tr> <td>Viola</td> <td>4166</td> <td>-2360</td> </tr> <tr> <td>Arbuckle</td> <td>4354</td> <td>-2548</td> </tr> <tr> <td>LTD</td> <td>4398</td> <td>2592</td> </tr> </table>	Name	Top	Datum	Heebner	3350	-1544	BrnLm	3528	-1722	BKC	3890	-2084	Miss	3999	-2193	Viola	4166	-2360	Arbuckle	4354	-2548	LTD	4398	2592
Name	Top	Datum																							
Heebner	3350	-1544																							
BrnLm	3528	-1722																							
BKC	3890	-2084																							
Miss	3999	-2193																							
Viola	4166	-2360																							
Arbuckle	4354	-2548																							
LTD	4398	2592																							

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 1/4"	10 3/4"	32.75#	257'	60/40 poz	250	2% G, 3% CC
Production	7 7/8"	5 1/2"	14#	4262'	Class A ASC	200	latex

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
1	4002' - 4028'	Acid, 3850 gal	4002'-4028'
		<b>RECEIVED</b> <b>OCT 01 2010</b> <b>KCC WICHITA</b>	

TUBING RECORD: Size: <u>          </u> Set At: <u>          </u> Packer At: <u>          </u> Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>          </u> Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) <u>          </u>	
Estimated Production Per 24 Hours	Oil Bbls. <u>2</u> Gas Mcf <u>          </u> Water Bbls. <u>50</u> Gas-Oil Ratio <u>          </u> Gravity <u>          </u>

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 <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) <u>          </u>	PRODUCTION INTERVAL: <u>          </u> <u>          </u>
---	--	--

# ALLIED CEMENTING CO., LLC. 036732

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

KCC  
OCT 12 2010

SERVICE POINT:

*MEDICINE LODGE*

DATE <u>4/6/10</u>	SEC. <u>26</u>	TWP. <u>25s</u>	RANGE <u>11W</u>	CONFIDENTIAL	ON LOCATION	JOB START <u>4:00 AM</u>	JOB FINISH <u>5:00 AM</u>
LEASE <u>ZINK</u>	WELL # <u>A-1</u>	LOCATION <u>ZENITH 7 SOUTH</u>			COUNTY <u>STAFFORD</u>	STATE <u>KANSAS</u>	
OLD OR <u>(NEW)</u> (Circle one)				<u>WEST INTO</u>			

CONTRACTOR DUKE DRUG #10  
 TYPE OF JOB INTERMEDIATE CSG.  
 HOLE SIZE 9 7/8" T.D. 1095'  
 CASING SIZE 8 5/8" DEPTH 1091'  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX 1000# MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT 42.07'  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 67 BBLs. WATER  
 EQUIPMENT \_\_\_\_\_  
 PUMP TRUCK CEMENTER KEVIN B.  
 # 414-302 HELPER DAVID W.  
 BULK TRUCK \_\_\_\_\_  
 # 344-173 DRIVER GLENN B.  
 BULK TRUCK \_\_\_\_\_  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

OWNER LOTUS OPERATING

CEMENT AMOUNT ORDERED  
300 SACKS 60:40:2 + 3% CL

COMMON <u>A</u>	<u>180</u> SK @ <u>15.45</u>	<u>2781.00</u>
POZMIX	<u>120</u> SK @ <u>8.00</u>	<u>960.00</u>
GEL	<u>5</u> SK @ <u>20.80</u>	<u>104.00</u>
CHLORIDE	<u>10</u> SK @ <u>58.20</u>	<u>582.00</u>
ASC	@ _____	_____
HANDLING	<u>300</u> @ <u>2.40</u>	<u>720.00</u>
MILEAGE	<u>30</u> @ <u>10.30</u>	<u>309.00</u>
TOTAL		<u>6047.00</u>

REMARKS:

Run 8 5/8" CASING + CIRCULATE  
mix 300 x 60:40:2 + 3% CL  
Displace plug to 1049' / 67 BBLs  
+ SHUT IN

SERVICE

DEPTH OF JOB	<u>1091'</u>	
PUMP TRUCK CHARGE	<u>1018.00</u>	
EXTRA FOOTAGE	@ _____	
MILEAGE	<u>30</u> @ <u>7.00</u>	<u>210.00</u>
MANIFOLD	@ _____	
TOTAL		<u>1228.00</u>

CHARGE TO: LOTUS OPERATING  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

<u>8 5/8"</u>	@ _____	
<u>1 - BAFFLE PLATE</u>	@ _____	<u>68.00</u>
<u>1 - TRP</u>	@ _____	<u>113.00</u>
TOTAL		<u>181.00</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 [scribble]  
 DISCOUNT [scribble] IF PAID IN 30 DAYS

PRINTED NAME \_\_\_\_\_  
 SIGNATURE [Signature]

RECEIVED  
OCT 01 2010

KCC WICHITA

# ALLIED CEMENTING CO., LLC. 036688

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

KCC  
OCT 12 2010

SERVICE POINT:  
Geest Bend KS

CONFIDENTIAL

DATE <u>6-3-10</u>	SEC. <u>26</u>	TWP. <u>25S</u>	RANGE <u>11W</u>	CALLED OUT	ON LOCATION	JOB START <u>4:30 pm</u>	JOB FINISH <u>5:00 pm</u>
LEASE <u>Zink</u>		WELL # <u>A-21</u>		LOCATION <u>Zenith us 7 South</u>		COUNTY <u>Stafford</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)				<u>west into</u>			

CONTRACTOR Duke 10

TYPE OF JOB Surface

HOLE SIZE \_\_\_\_\_ T.D. 2583

CASING SIZE 10 3/4 DEPTH 257

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

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

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

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

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

CEMENT LEFT IN CSG. 15

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

DISPLACEMENT 23 BBLs

EQUIPMENT

---

PUMP TRUCK CEMENTER Wayne

# 181 HELPER Alvin

BULK TRUCK

# 378 DRIVER Ron

BULK TRUCK

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

OWNER hatus operating

CEMENT

AMOUNT ORDERED 250 sk 60/40 3%cc 2%Gel

COMMON	<u>150</u>	@	<u>13.50</u>	<u>2025.00</u>
POZMIX	<u>100</u>	@	<u>7.55</u>	<u>755.00</u>
GEL	<u>4</u>	@	<u>20.25</u>	<u>81.00</u>
CHLORIDE	<u>8</u>	@	<u>51.50</u>	<u>412.00</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>250</u>	@	<u>2.25</u>	<u>562.50</u>
MILEAGE	<u>250 x 20 x 1.0</u>			<u>500.00</u>
				TOTAL <u>4,335.50</u>

REMARKS:

Pipe on break circulation with Rig mud  
Hookup To Cement line  
Mix 250sk of 60/40 3%cc 2%Gel  
Displace 23 BBLs fresh water. Washup Rig Down  
Cement did circulate

SERVICE

DEPTH OF JOB 257

PUMP TRUCK CHARGE 991.00

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

MILEAGE 20 @ 7.00 140.00

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

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

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

TOTAL 1131.00

CHARGE TO: hatus operating

STREET \_\_\_\_\_

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

PLUG & FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
TOTAL _____		

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 4,335.50

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

PRINTED NAME Job Livingston

SIGNATURE [Signature]

RECEIVED  
OCT 01 2010  
KCC WICHITA

# ALLIED CEMENTING CO., LLC. 041509

KCC

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

OCT 12 2010

SERVICE POINT:

Medicine Lodge KS

CONFIDENTIAL

DATE 06/2/10	SEC. 26	TWP. 25s	RANGE 11w	CALLED OUT	ON LOCATION	JOB START	JOB FINISH 5:30 AM
LEASE Zink	WELL # A-1	LOCATION Preston, KS, 4E, 4 1/4, w/into			COUNTY Stafford	STATE KS	
OLD OR NEW (Circle one)							

CONTRACTOR Duke #10  
 TYPE OF JOB Production Casing  
 HOLE SIZE 7 7/8 T.D. 4400  
 CASING SIZE 5 1/2 DEPTH 4262  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX 1400 MINIMUM —  
 MEAS. LINE SHOE JOINT 40  
 CEMENT LEFT IN CSG. 40'  
 PERFS.  
 DISPLACEMENT 103 Bbls Fresh H<sub>2</sub>O  
 EQUIPMENT

PUMP TRUCK CEMENTER D. Felio  
 # 360-265 HELPER M. Thimesch  
 BULK TRUCK  
 # 356-252 DRIVER R. Gilley  
 BULK TRUCK  
 # DRIVER

OWNER Lotus Oper.

CEMENT  
 AMOUNT ORDERED 50s x 60' 40' 4 1/2 gel &  
 200s x class "A" ASC + 5# Kolseal + 1/4 # Floseal +  
 .5% FL-160

COMMON A 30 sx	@ 15.45	463	510
POZMIX 20 sx	@ 8.00	160	1280
GEL 2 sx	@ 20.00	41	820
CHLORIDE	@		
ASC 200 sx	@ 18.60	3720	68880
Kolseal 1000	@ .89	890	7921
FL-160 94	@ 13.30	1250	16515
Floseal 50	@ 2.50	125	312.5

HANDLING 250	@ 2.40	600	1440
MILEAGE 250/10/30		750	2250
		TOTAL	8000

REMARKS:

Pipe on Bttm Break Circ., Plug Rat &  
 mouse hole w/ 50s x 60' 40' cement, Mix  
 200s x "A" ASC cement Stop Pump, Wash Pump  
 & Lines, Release Plug, Start Disp. w/ Fresh H<sub>2</sub>O  
 See Steady increase in PSI, Slow Rate,  
 Bump Plug at 103 Bbls.  
 total Disp., Release PSI, Float did H<sub>2</sub>O

SERVICE

DEPTH OF JOB 4262		
PUMP TRUCK CHARGE		2092.00
EXTRA FOOTAGE	@	
MILEAGE 30	@ 7.00	210.00
MANIFOLD Head Rental	@	w/c
RECEIVED	@	

CHARGE TO: Lotus Oper.  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

OCT 01 2010


TOTAL 2302.00

KCC WICHITA

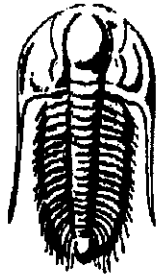
PLUG & FLOAT EQUIPMENT

1 - TRP	@	74	74.00
1 - Guide Shoe	@	100	100.00
1 - AFU in cut	@	112	112.00
5 - control lines	@ 32.00	161	161.00
1 - Basket	@	161	161.00
		TOTAL	608

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.

PRINTED NAME Robin Brown  
 SIGNATURE 

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Lotus Operating Co.LLC**

100 S. Main, Ste. 420  
Wichita Ks. 67202

ATTN: Tim Hellman

**26 25 11 Stafford KS**

**Zink A#1**

Start Date: 2010.06.10 @ 04:45:08

End Date: 2010.06.10 @ 12:07:38

Job Ticket #: 36897                      DST #: 1

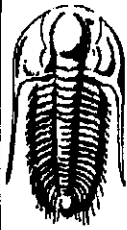
**KCC**  
**OCT 12 2010**  
**CONFIDENTIAL**

**RECEIVED**  
**OCT 01 2010**  
**KCC WICHITA**

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Lotus Operating Co. LLC  
100 S. Main, Ste. 420  
Wichita Ks. 67202  
ATTN: Tim Hellman

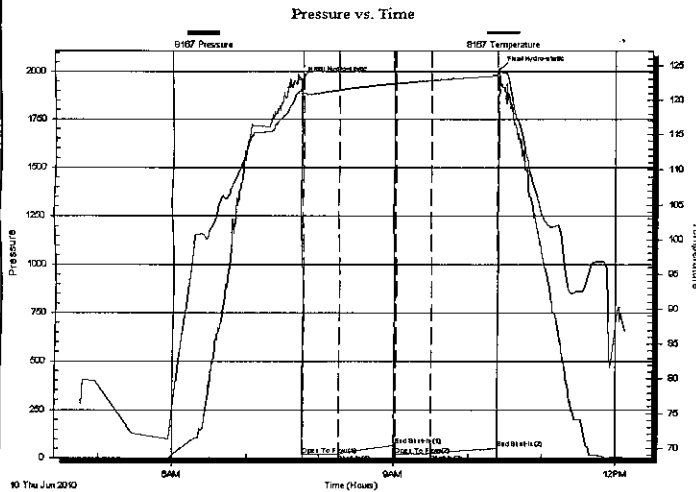
**Zink A#1**  
**26 25 11 Stafford KS**  
Job Ticket: 36897      **DST#: 1**  
Test Start: 2010.06.10 @ 04:45:08

## GENERAL INFORMATION:

Formation: **Miss.**  
Deviated: **No** Whipstock:                      ft (KB)  
Time Tool Opened: 07:46:23  
Time Test Ended: 12:07:38  
Interval: **3980.00 ft (KB) To 4015.00 ft (KB) (TVD)**  
Total Depth: 4015.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: **Poor**  
Reference Elevations: 1806.00 ft (KB)  
1795.00 ft (CF)  
KB to GR/CF: 11.00 ft

**Serial #: 8167**      **Inside**  
Press@RunDepth: 21.24 psig @ 3981.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2010.06.10      End Date: 2010.06.10      Last Calib.: 2010.06.10  
Start Time: 04:45:13      End Time: 12:07:37      Time On Btm: 2010.06.10 @ 07:44:23  
Time Off Btm: 2010.06.10 @ 10:25:07

TEST COMMENT: IF: Weak blow . 1/4" decreasing.  
IS: No blow.  
FF: Weak blow . (surface) Dead in 26 mins.  
FSI: No blow.



## PRESSURE SUMMARY

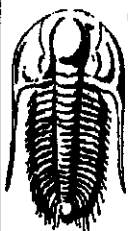
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1956.16	121.49	Initial Hydro-static
2	15.24	121.03	Open To Flow (1)
32	18.95	121.49	Shut-In(1)
77	64.36	122.41	End Shut-In(1)
77	16.50	122.41	Open To Flow (2)
106	21.24	122.89	Shut-In(2)
160	49.88	123.58	End Shut-In(2)
161	2009.90	124.15	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drlg. mud	0.14
0.00	175 ft. of GIP	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Lotus Operating Co.LLC

**Zink A#1**

100 S.Main,Ste.420  
Wchita Ks.67202

**26 25 11 Stafford KS**

Job Ticket: 36897

**DST#: 1**

ATTN: Tim Hellman

Test Start: 2010.06.10 @ 04:45:08

### Tool Information

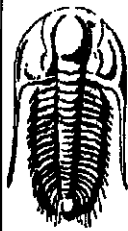
Drill Pipe:	Length: 3968.00 ft	Diameter: 3.80 inches	Volume: 55.66 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 61000.00 lb
			<u>Total Volume: 55.66 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	3980.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 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
C.O. Sub	1.00			3958.00	
Shut in tool	5.00			3963.00	
HMV	5.00			3968.00	
Safety Joint	3.00			3971.00	
Packer	4.00			3975.00	23.00 Bottom Of Top Packer
Packer	5.00			3980.00	
Stubb	1.00			3981.00	
Recorder	0.00	8167	Inside	3981.00	
Recorder	0.00	8370	Outside	3981.00	
Perforations	29.00			4010.00	
Bullnose	5.00			4015.00	35.00 Bottom Packers & Anchor

**Total Tool Length: 58.00**





**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lotus Operating Co.LLC

**Zink A#1**

100 S.Main,Ste.420  
Wichita Ks.67202

**26 25 11 Stafford KS**

Job Ticket: 36897

**DST#: 1**

ATTN: Tim Hellman

Test Start: 2010.06.10 @ 04:45:08

### 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:

4600 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4600.00 ppm

Filter Cake: 0.20 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Drig.mud	0.140
0.00	175 ft.of GIP	0.000

Total Length: 10.00 ft      Total Volume: 0.140 bbl

Num Fluid Samples: 0

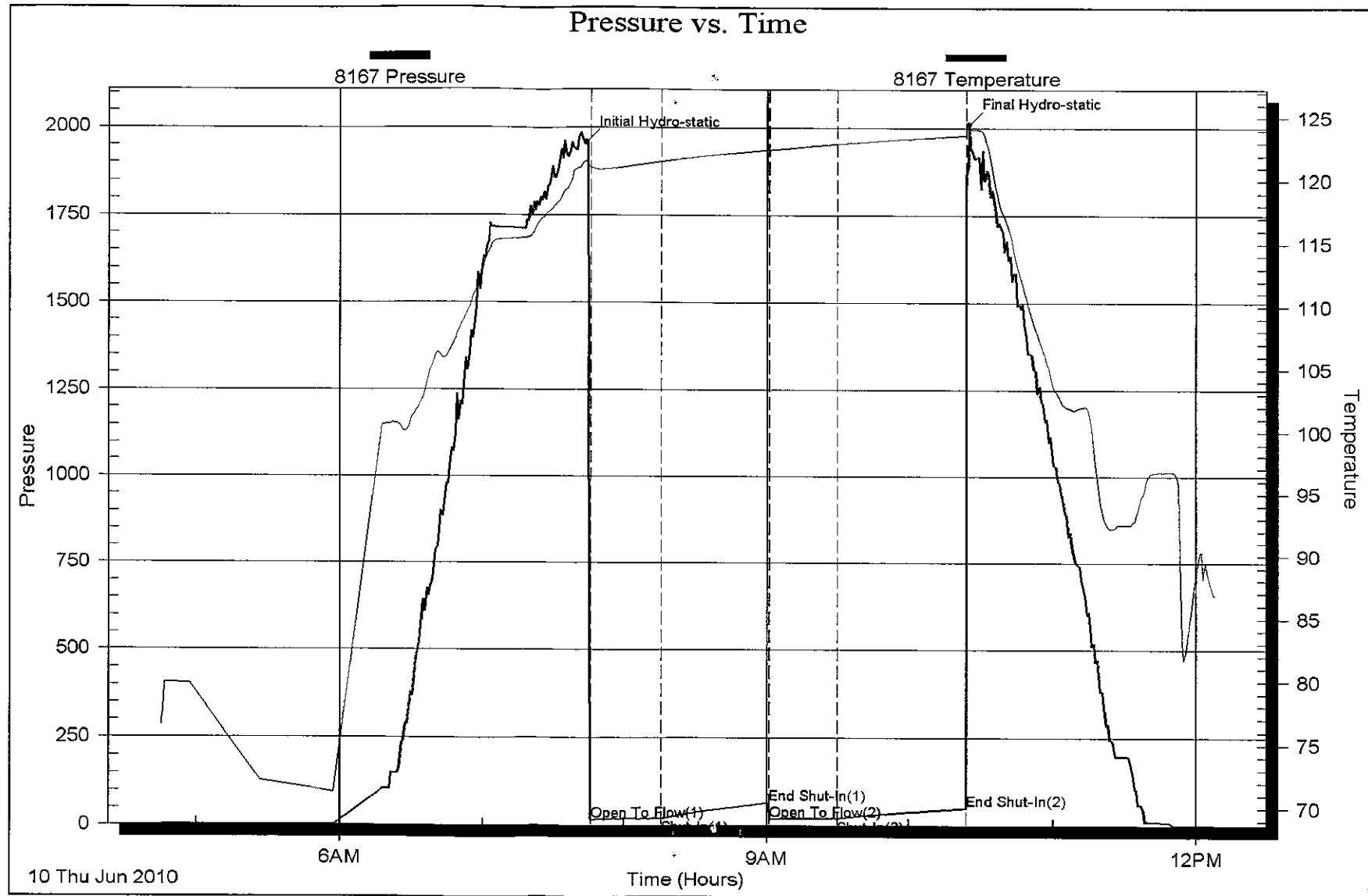
Num Gas Bombs: 0

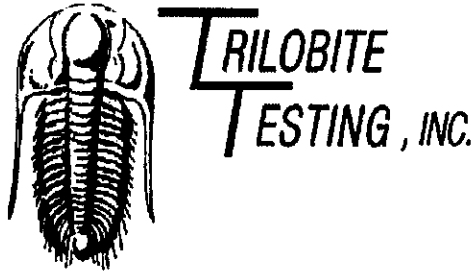
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:





## DRILL STEM TEST REPORT

Prepared For: **Lotus Operating Co.LLC**

100 S.Main, Ste.420  
Wichita Ks.67202

ATTN: Tim Hellman

**26 25 11 Stafford KS**

**Zink A#1**

Start Date: 2010.06.10 @ 19:50:12

End Date: 2010.06.11 @ 01:59:27

Job Ticket #: 36898                      DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Lotus Operating Co.LLC

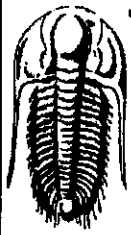
Zink A#1

26 25 11 Stafford KS

DST # 2

Miss.

2010.06.10



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Lotus Operating Co.LLC  
 100 S.Main,Ste.420  
 Wichita Ks.67202  
 ATTN: Tim Hellman

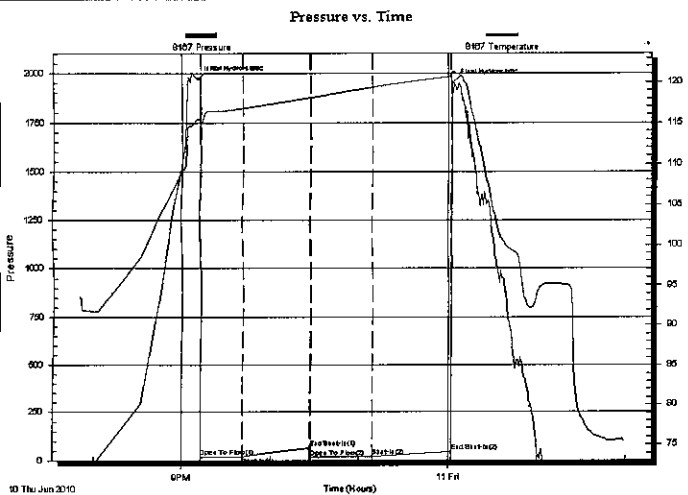
**Zink A#1**  
**26 25 11 Stafford KS**  
 Job Ticket: 36898 **DST#: 2**  
 Test Start: 2010.06.10 @ 19:50:12

## GENERAL INFORMATION:

Formation: **Miss.**  
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole**  
 Time Tool Opened: 21:12:27 Tester: **Gary Fevoteaux**  
 Time Test Ended: 01:59:27 Unit No: **39**  
 Interval: **4015.00 ft (KB) To 4040.00 ft (KB) (TVD)** Reference Elevations: **1806.00 ft (KB)**  
 Total Depth: **4040.00 ft (KB) (TVD)** **1795.00 ft (CF)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Poor** KB to GR/CF: **11.00 ft**

**Serial #: 8167** **Inside**  
 Press@RunDepth: **17.35 psig @ 4016.00 ft (KB)** Capacity: **8000.00 psig**  
 Start Date: **2010.06.10** End Date: **2010.06.11** Last Calib.: **2010.06.11**  
 Start Time: **19:50:17** End Time: **01:59:26** Time On Btm: **2010.06.10 @ 21:10:27**  
 Time Off Btm: **2010.06.11 @ 00:02:42**

TEST COMMENT: IF:Weak blow . 1/2 - 3 1/2".  
 IS:No blow .  
 FF:Weak blow . 1/4 - 1/2".  
 FS:No blow .



## PRESSURE SUMMARY

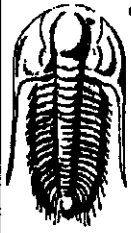
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1971.84	115.50	Initial Hydro-static
2	19.78	114.96	Open To Flow (1)
31	18.73	116.72	Shut-In(1)
76	63.39	118.06	End Shut-In(1)
77	16.24	118.03	Open To Flow (2)
119	17.35	119.36	Shut-In(2)
172	43.58	120.68	End Shut-In(2)
173	1952.24	121.28	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
25.00	Drig.mud/Trace of GIP	0.35

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Lotus Operating Co.LLC

**Zink A#1**

100 S.Main,Ste.420  
Wchita Ks.67202

**26 25 11 Stafford KS**

Job Ticket: 36898

**DST#: 2**

ATTN: Tim Hellman

Test Start: 2010.06.10 @ 19:50:12

**Tool Information**

Drill Pipe:	Length: 4000.00 ft	Diameter: 3.80 inches	Volume: 56.11 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 63000.00 lb
			<u>Total Volume: 56.11 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	4015.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	48.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3993.00	
Shut in tool	5.00			3998.00	
HMV	5.00			4003.00	
Safety Joint	3.00			4006.00	
Packer	4.00			4010.00	23.00 Bottom Of Top Packer
Packer	5.00			4015.00	
Stubb	1.00			4016.00	
Recorder	0.00	8167	Inside	4016.00	
Recorder	0.00	8370	Outside	4016.00	
Perforations	19.00			4035.00	
Bullnose	5.00			4040.00	25.00 Bottom Packers & Anchor

**Total Tool Length: 48.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lotus Operating Co.LLC

**Zink A#1**

100 S.Main,Ste.420  
Wichita Ks.67202

**26 25 11 Stafford KS**

Job Ticket: 36898

**DST#: 2**

ATTN: Tim Hellman

Test Start: 2010.06.10 @ 19:50:12

## 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:

5100 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5100.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
25.00	Drig.mud/Trace of GIP	0.351

Total Length: 25.00 ft      Total Volume: 0.351 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

