



Operator Name: Mai Oil Operations, Inc. Lease Name: Harlan Well #: 1  
 Sec. 6 Twp. 18 S. R. 14  East  West County: Barton

**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: <b>CNFD, DIL, Micro</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>Anhydrite</td> <td>1024'</td> <td>+983</td> </tr> <tr> <td>Topeka</td> <td>2976'</td> <td>-969</td> </tr> <tr> <td>Heebner</td> <td>3211'</td> <td>-1204</td> </tr> <tr> <td>Toronto</td> <td>3224'</td> <td>-1217</td> </tr> <tr> <td>Brown Lime</td> <td>3276'</td> <td>-1269</td> </tr> <tr> <td>Lansing</td> <td>3286'</td> <td>-1279</td> </tr> <tr> <td>Arbuckle</td> <td>3541'</td> <td>-1534</td> </tr> </table>	Name	Top	Datum	Anhydrite	1024'	+983	Topeka	2976'	-969	Heebner	3211'	-1204	Toronto	3224'	-1217	Brown Lime	3276'	-1269	Lansing	3286'	-1279	Arbuckle	3541'	-1534
Name	Top	Datum																							
Anhydrite	1024'	+983																							
Topeka	2976'	-969																							
Heebner	3211'	-1204																							
Toronto	3224'	-1217																							
Brown Lime	3276'	-1269																							
Lansing	3286'	-1279																							
Arbuckle	3541'	-1534																							

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	12 1/4"	8 5/8"	23#	1028'	60-40 POZ	400	2% Gel, 3% CC

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
		<div style="border: 1px solid black; padding: 5px; font-weight: bold;">RECEIVED</div> <div style="border: 1px solid black; padding: 5px; font-weight: bold;">OCT 23 2009</div> <div style="border: 1px solid black; padding: 5px; font-weight: bold;">KCC WICHITA</div>	

TUBING RECORD:    Size:    Set At:    Packer At:    Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No									
Date of First, Resumed Production, SWD or Enhr.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)								
Estimated Production Per 24 Hours	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;">Oil</td> <td style="width:15%;">Bbls.</td> <td style="width:15%;">Gas</td> <td style="width:15%;">Mcf</td> <td style="width:15%;">Water</td> <td style="width:15%;">Bbls.</td> <td style="width:15%;">Gas-Oil Ratio</td> <td style="width:10%;">Gravity</td> </tr> </table>	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
Oil	Bbls.	Gas	Mcf	Water	Bbls.	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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
---	--	--

Send To Alan B w/o Invoice

# QUALITY OILWELL CEMENTING, INC.

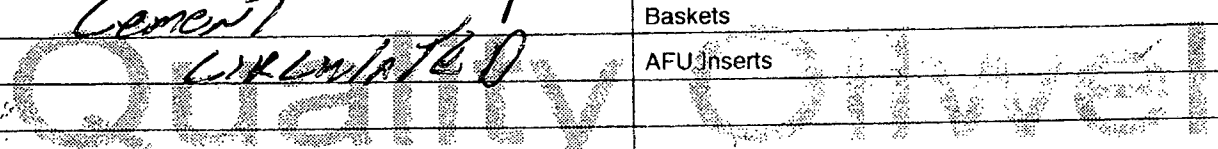
Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 3782

Date	9-1-09	Sec.	Twp.	Range	County	State	On Location	Finish	6:00 PM	
Lease	Harlan	Well No.	1	Location						Olmitz Hwy 4 1E 1S 2E
Contractor	Southwind D-ly Rig 3			Owner						Sinto
Type Job	Long Surface			To Quality Oilwell Cementing, Inc.						You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Hole Size	12 1/4	T.D.	1028	Charge To						Maioil
Csg.	8 3/8	Depth	1028	Street						
Tbg. Size		Depth		City						State
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.						
Cement Left in Csg.	15-20	Shoe Joint		CEMENT						
Meas Line	23#	Displace	6 1/2 BBL	Amount Ordered						400 @ 3Y2
EQUIPMENT				JOB SERVICES & REMARKS						
Pumptrk	9	No.		Cement						
				Helper						
Bulktrk	4	No.		Driver						
				Driver						
Bulktrk		No.		Driver						
				Driver						
REMARKS:				Handling						
Row 8 1/2 IN, + CIV				Hulls						
10 min.				Salt						
pumped 5 BBL water				Flowseal						
in front of cement.				Release plug & Displaced						
w/ 6 1/2 BBL				w/ 6 1/2 BBL						
max 600psi shut in @ 900				psi						
Cement				Cement						
unlimited				unlimited						
THANKS				THANKS						
PLEASE CALL				PLEASE CALL						
AGAIN				AGAIN						
Signature				Signature						
Alan B				Alan B						
				Pumptrk Charge						
				Mileage						
				Tax						
				Discount						
				Total Charge						

RECEIVED  
OCT 23 2009  
KCC WICHITA



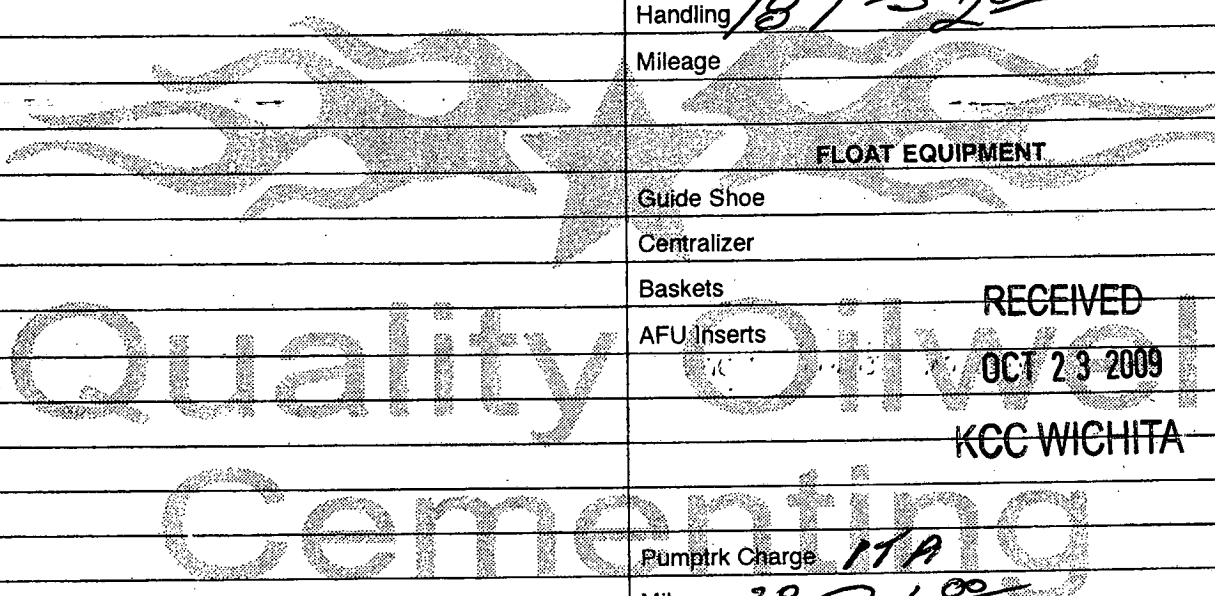
# QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025  
Cell 785-324-1041

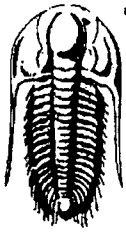
Home Office P.O. Box 32 Russell, KS 67665

No. 3786

Date	9-7-09	Sec.		Twp.		Range		County	BT	State	KS	On Location		Finish	1:00 PM				
Lease	HARLEN		Well No.		1		Location									Olmitz IN IE IS VEE SIMO			
Contractor	SOUTHWINO #3							Owner									To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.		
Type Job	PTA							Hole Size									T.D.	3610	
Csg.								Depth									Charge To	MAI Oil	
Tbg. Size								Depth									Street		
Tool								Depth									City		State
Cement Left in Csg.								Shoe Joint									The above was done to satisfaction and supervision of owner agent or contractor.		
Meas Line								Displace									CEMENT 1/4 5/10		
EQUIPMENT												Amount Ordered				180 60/40 4%			
Pumptrk	9	No.	Cementor	DAVE		Helper				Common		108 2 10							
Bulktrk	11	No.	Driver	BRIAN		Driver				Poz. Mix		92 2 6							
Bulktrk	P.W.	No.	Driver	DARIN		Driver				Gel.		7 2 17							
JOB SERVICES & REMARKS												Calcium							
Remarks:												Hulls							
1st Plug @ 3530 25 SKS												Salt							
2nd Plug @ 1080 35 SKS												Flowseal				45 2 2			
3rd Plug @ 450 80 SKS																			
4th Plug @ 90 10 SKS																			
RAT HOLE 30 SKS																			
												Handling				187 2 2			
												Mileage				300			
												FLOAT EQUIPMENT							
												Guide Shoe							
												Centralizer							
												Baskets							
												AFU Inserts							
												RECEIVED							
												OCT 23 2009							
												KCC WICHITA							
												Pumptrk Charge				1TA 450			
												Mileage				28 2 6			
												Tax							
												Discount							
												Total Charge							
Signature																			



RECEIVED  
OCT 23 2009  
KCC WICHITA



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

Mai Oil Operations, Inc.

**Harlan #1**

8411 Preston Road  
Suite 800  
Dallas, Tx. 75225-5520  
ATTN: Kitt Noah

**6-18s-14w Barton KS**

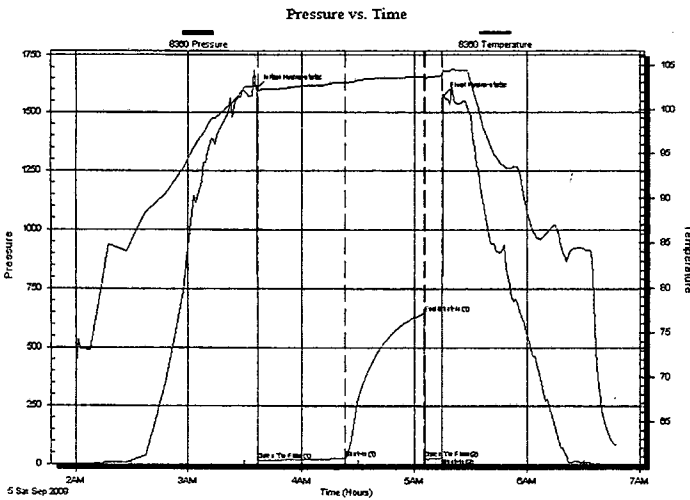
Job Ticket: 35245      DST#: 1  
Test Start: 2009.09.05 @ 02:00:27

**GENERAL INFORMATION:**

Formation: **LKC-"B-C"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 03:36:57  
 Time Test Ended: 06:47:57  
 Interval: **3283.00 ft (KB) To 3314.00 ft (KB) (TVD)**  
 Total Depth: 3314.00 ft (KB) (TVD)  
 Hole Diameter: 7.80 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole  
 Tester: Jason McLemore  
 Unit No: 32  
 Reference Elevations: 2007.00 ft (KB)  
 1999.00 ft (CF)  
 KB to GR/CF: 8.00 ft

**Serial #: 8360 Inside**  
 Press@RunDepth: 22.75 psig @ 3286.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2009.09.05 End Date: 2009.09.05 Last Calib.: 2009.09.05  
 Start Time: 02:00:29 End Time: 06:47:57 Time On Btm: 2009.09.05 @ 03:36:27  
 Time Off Btm: 2009.09.05 @ 05:15:27

**TEST COMMENT:** IFP-Weak Blow ,Built to 1"  
 IS-Dead  
 FFP-Dead, Pull Tool After 10 Mn.



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1607.39	102.73	Initial Hydro-static
1	14.68	102.16	Open To Flow (1)
47	22.75	103.06	Shut-In(1)
89	646.42	103.76	End Shut-In(1)
90	23.62	103.51	Open To Flow (2)
99	29.40	103.93	Shut-In(2)
99	1573.19	104.45	Final Hydro-static

**Recovery**

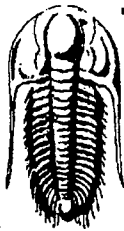
Length (ft)	Description	Volume (bbl)
20.00	Mud W/Oil Specks-1%O-99%M	0.28

**Gas Rates**

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

**RECEIVED  
OCT 23 2009**

**KCC WICHITA**



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Mai Oil Operations, Inc.

**Harlan #1**

8411 Preston Road  
Suite 800  
Dallas, Tx. 75225-5520  
ATTN: Kitt Noah

**6-18s-14w Barton KS**

Job Ticket: 35246      DST#: 2  
Test Start: 2009.09.05 @ 22:06:49

## GENERAL INFORMATION:

Formation: "H-J"  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 23:38:49  
Time Test Ended: 02:11:49

Test Type: Conventional Bottom Hole  
Tester: Jason McLemore  
Unit No: 32

Interval: **3401.00 ft (KB) To 3464.00 ft (KB) (TVD)**  
Total Depth: 3464.00 ft (KB) (TVD)  
Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2007.00 ft (KB)  
1999.00 ft (CF)  
KB to GR/CF: 8.00 ft

## Serial #: 8360

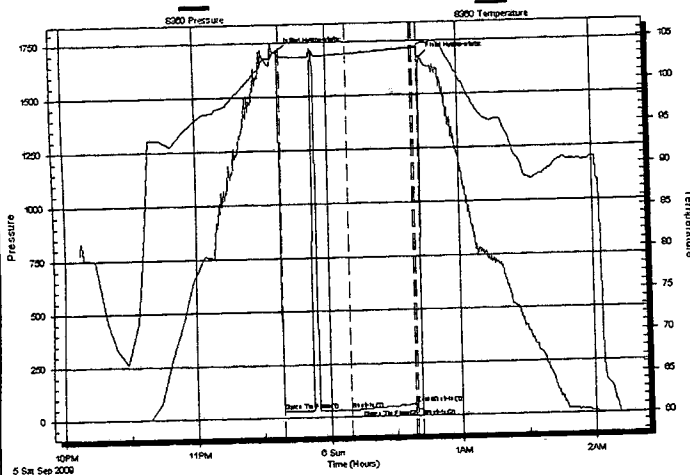
Inside

Press@RunDepth: 34.25 psig @ 3403.00 ft (KB)  
Start Date: 2009.09.05      End Date: 2009.09.06  
Start Time: 22:06:51      End Time: 02:11:49

Capacity: 8000.00 psig  
Last Calib.: 2009.09.06  
Time On Btm: 2009.09.05 @ 23:38:19  
Time Off Btm: 2009.09.06 @ 00:42:49

TEST COMMENT: IFF-Weak Blow, Dead in 10 Min. Flush Tool, Still Dead  
ISI-Dead  
FFP-Dead, Pull Tool

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1708.06	103.66	Initial Hydro-static
1	32.34	103.10	Open To Flow (1)
31	34.25	103.38	Shut-In(1)
61	56.10	103.93	End Shut-In(1)
61	34.11	103.93	Open To Flow (2)
64	34.34	103.98	Shut-In(2)
65	1670.78	104.47	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
4.00	Drilling Mud	0.06

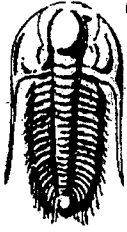
## Gas Rates

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

RECEIVED

OCT 23 2009

KCC WICHITA



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Mai Oil Operations, Inc.

Harlan #1

8411 Preston Road  
Suite 800  
Dallas, Tx. 75225-5520  
ATTN: Kitt Noah

6-18s-14w Barton KS

Job Ticket: 35247 DST#: 3

Test Start: 2009.09.06 @ 16:02:38

## GENERAL INFORMATION:

Formation: **Arbuckle**  
Deviated: **No Whipstock** ft (KB)  
Time Tool Opened: 17:45:08  
Time Test Ended: 20:01:08

Test Type: **Conventional Bottom Hole**  
Tester: **Jason McLemore**  
Unit No: **32**

Interval: **3551.00 ft (KB) To 3562.00 ft (KB) (TVD)**  
Total Depth: **3562.00 ft (KB) (TVD)**  
Hole Diameter: **7.80 inches** Hole Condition: **Good**

Reference Elevations: **2007.00 ft (KB)**  
**1999.00 ft (CF)**  
KB to GR/CF: **8.00 ft**

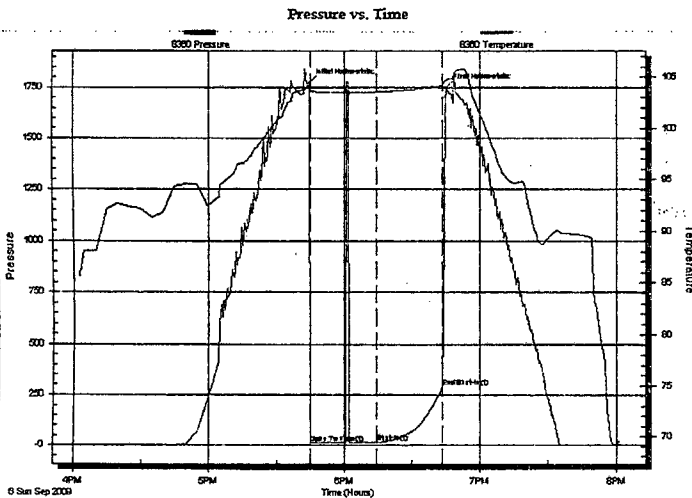
Serial #: **8360**

Inside

Press@RunDepth: **15.17 psig @ 3554.00 ft (KB)**  
Start Date: **2009.09.06** End Date: **2009.09.06**  
Start Time: **16:02:40** End Time: **20:01:08**

Capacity: **8000.00 psig**  
Last Calib.: **2009.09.06**  
Time On Btm: **2009.09.06 @ 17:44:38**  
Time Off Btm: **2009.09.06 @ 18:45:08**

TEST COMMENT: **IFP-Weak Blow, Dead in 10 Min. Flush Tool, Still Dead  
ISI-Dead, Pull Tool**



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1771.36	104.23	Initial Hydro-static
1	13.44	103.64	Open To Flow (1)
30	15.17	103.56	Shut-In(1)
59	287.27	104.19	End Shut-In(1)
61	1747.29	104.72	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud W/Oil Spots 2%O-98%M	0.04

## Gas Rates

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

**RECEIVED  
OCT 23 2009  
KCC WICHITA**