

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
**WELL COMPLETION FORM**  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

RECEIVED ORIGINAL

AUG 25 2010

Form ACO-1  
June 2009

Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

8/25/12

OPERATOR: License # 5259  
Name: Mai Oil Operations, Inc.  
Address 1: P.O. Box 33  
Address 2:  
City: Russell State: Ks. Zip: 67665 +  
Contact Person: Allen Bangert  
Phone: ( 214 ) 219-8883  
CONTRACTOR: License # 33350  
Name: Southwind Drilling, Inc.  
Wellsite Geologist: Kitt Noah  
Purchaser: NCRA

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Designate Type of Completion:

- New Well     Re-Entry     Workover
- Oil     WSW     SWD     SIOW
- 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 #: \_\_\_\_\_

07/13/2010	07/21/2010	07/21-2010
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 009-25446-0000  
Spot Description:  
SE\_NW\_NW\_NW Sec. 28 Twp. 17 S. R. 15  East  West  
380 Feet from  North /  South Line of Section  
640 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Barton  
Lease Name: Gerard Axman Well #: 1  
Field Name: Wildcat  
Producing Formation: Lansing-Kansas City  
Elevation: Ground: 2038' Kelly Bushing: 2046'  
Total Depth: 3651' Plug Back Total Depth: 3619'  
Amount of Surface Pipe Set and Cemented at: 1071' 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: 62000 ppm Fluid volume: 160 bbls  
Dewatering method used: let dry  
Location of fluid disposal if hauled offsite:  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**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: Allen Bangert  
Title: Prod. Supt. Date: 08/24/2010

**KCC Office Use ONLY**

- Letter of Confidentiality Received  
Date: 8/25/10 - 8/25/12
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: NS Date: 9-10-10

Operator Name: Mai Oil Operations, Inc. Lease Name: Gerard Axman Well #: 1  
 Sec. 28 Twp. 17 S. R. 15  East  West County: Barton **CONFIDENTIAL**

**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 complete copy of all Electric Wire-line 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 type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, 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:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>1079'</td> <td>+967</td> </tr> <tr> <td>Topeka</td> <td>3042'</td> <td>-996</td> </tr> <tr> <td>Heebner</td> <td>3278'</td> <td>-1232</td> </tr> <tr> <td>Toronto</td> <td>3293'</td> <td>-1247</td> </tr> <tr> <td>Lansing</td> <td>3336'</td> <td>-1290</td> </tr> <tr> <td>Base Kansas City</td> <td>3572'</td> <td>-1526</td> </tr> <tr> <td>Arbuckle</td> <td>3591'</td> <td>-1545</td> </tr> </table>	Name	Top	Datum	Anhydrite	1079'	+967	Topeka	3042'	-996	Heebner	3278'	-1232	Toronto	3293'	-1247	Lansing	3336'	-1290	Base Kansas City	3572'	-1526	Arbuckle	3591'	-1545
Name	Top	Datum																							
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Lansing	3336'	-1290																							
Base Kansas City	3572'	-1526																							
Arbuckle	3591'	-1545																							

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#	1071'	60-40 POZ	350	2 % Gel, 3 % CC
Production	7 7/8"	5 1/2"	14#	3646'	60-40 POZ	160	

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
3	3502-06', 3423-27'	3000 Gal. 20% HCL	
4	3596-3602'	250 Gal. 15% HCL	

TUBING RECORD:    Size: <u>2 7/8"</u> Set At: <u>3556'</u> Packer At: <u>3556'</u>		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>08/18/2010</u>		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. <u>40</u>	Gas    Mcf    Water    Bbls.    Gas-Oil Ratio    Gravity <u>20</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" 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) _____	PRODUCTION INTERVAL: <u>3423-3506' O.A.</u>
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**RECEIVED**

# QUALITY OILWELL CEMENTING, INC.

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

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

No. 4088

CONFIDENTIAL

Date	7-14-2010	Sec.	28	Twp.	17	Range	15	County	Barton	State	Ks	On Location		Finish	
Lease	Garland Arma	Well No.	#1	Location		Olmütz, Ks. W to Rd 120, 1N, 18E									
Contractor	Southwind #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	Surface	Charge for		Mai Oil operations											
Hole Size	12 1/2"	T.D.	1071'	Csg.		8 3/8"									
Tbg. Size		Depth	1071'	Tool											
Cement Left in Csg.	41.22'	Shoe Joint	41.22'	The above was done to satisfaction and supervision of owner agent or contractor.											
Meas Line		Displace	65 1/2 BBLs	Cement Amount Ordered		350 sx 60140 38 cc 2 1/2 bel									

**EQUIPMENT**

Pumptrk	9	No.	Cementor		Common	210
			Helper	Kate		
Bulktrk	4	No.	Driver	Rock	Poz. Mix	140
			Driver	Rick	Gel.	7
Bulktrk pickup		No.	Driver	Rick	Calcium	11

**JOB SERVICES & REMARKS**

Remarks:	Cement did Circulate	Hulls	
Rat Hole		Salt	
Mouse Hole		Flow Seal	
Centralizers		Kol-Seal	
Baskets		Mud CLR 48	
D/V or Port Collar		CFL-117 or CD110 CAF 38	
		Sand	
		Handling	
		Mileage	

**FLOAT EQUIPMENT**

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
	1-3 3/8" Rubber plug
	1-3 3/8" Baffle plate

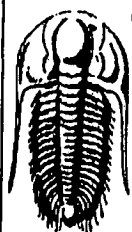
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Pumptrk Charge		Tax	
Mileage		Discount	
		Total Charge	

X Signature *Kent*





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Mai Oil Operations Inc

Gerard Axman # 1

8400 Preston Rd Ste 800  
Dallas Tx 75225

28-17-15-Barton KS

**AUG 25 2010**

Job Ticket: 038997

DST#: 1

ATTN: Kurt Mai

Test Start: 2010.07.18 @ 02:26:26

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## GENERAL INFORMATION:

Formation: **B-C LKC**  
Deviated: **No Whipstock:** ft (KB)  
Time Tool Opened: 04:11:11  
Time Test Ended: 08:32:11

Test Type: **Conventional Bottom Hole**  
Tester: **Dan Bangle**  
Unit No: **38**

Interval: **3350.00 ft (KB) To 3385.00 ft (KB) (TVD)**  
Total Depth: **3385.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2046.00 ft (KB)**  
**2038.00 ft (CF)**  
KB to GR/CF: **8.00 ft**

Serial #: **8354**

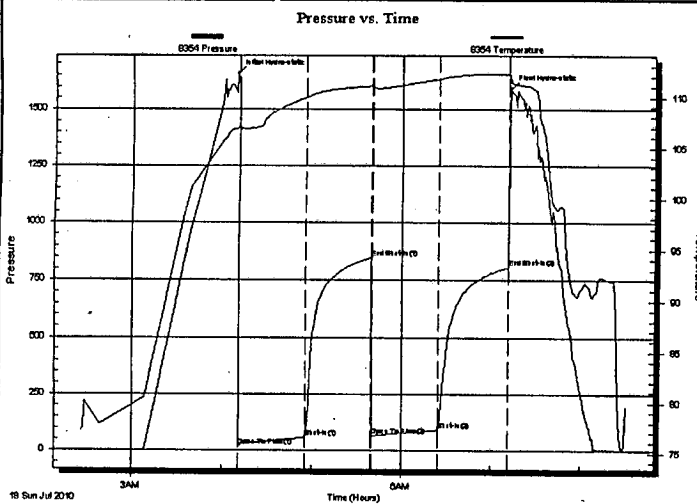
Inside

Press@RunDepth: **89.10 psig @ 3351.00 ft (KB)**  
Start Date: **2010.07.18** End Date: **2010.07.18**  
Start Time: **02:26:27** End Time: **08:32:11**

Capacity: **8000.00 psig**  
Last Calib.: **2010.07.18**  
Time On Btm: **2010.07.18 @ 04:09:41**  
Time Off Btm: **2010.07.18 @ 07:12:56**

TEST COMMENT: IF-Weak building to 2 1/2"

FFWeak steady surface blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1655.19	106.98	Initial Hydro-static
2	17.73	106.50	Open To Flow (1)
46	56.74	109.96	Shut-In(1)
90	846.83	111.09	End Shut-In(1)
91	65.10	110.89	Open To Flow (2)
135	89.10	111.75	Shut-In(2)
182	806.71	112.29	End Shut-In(2)
184	1590.67	111.47	Final Hydro-static

## Recovery

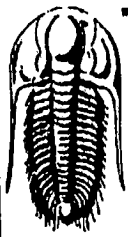
Length (ft)	Description	Volume (bbl)
150.00	Wtr Rw .11 @ 80 = 60000ppm	1.83

## Gas Rates

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

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**TRILOBITE TESTING, INC**

**DRILL STEM TEST REPORT**

Mai Oil Operations Inc  
 8400 Preston Rd Ste 800  
 Dallas Tx 75225  
 ATTN: Kurt Mai

**Gerard Axman # 1**  
**28-17-15-Barton KS**  
 Job Ticket: 038998      DST#: 2  
 Test Start: 2010.07.18 @ 18:28:18

**GENERAL INFORMATION:**

Formation: **E-F LKC**  
 Deviated: **No Whipstock:**      ft (KB)  
 Time Tool Opened: 19:51:18  
 Time Test Ended: 00:26:18

Test Type: **Conventional Bottom Hole**  
 Tester: **Dan Bangle**  
 Unit No: **38**

Interval: **3397.00 ft (KB) To 3432.00 ft (KB) (TVD)**  
 Total Depth: **3432.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Good**

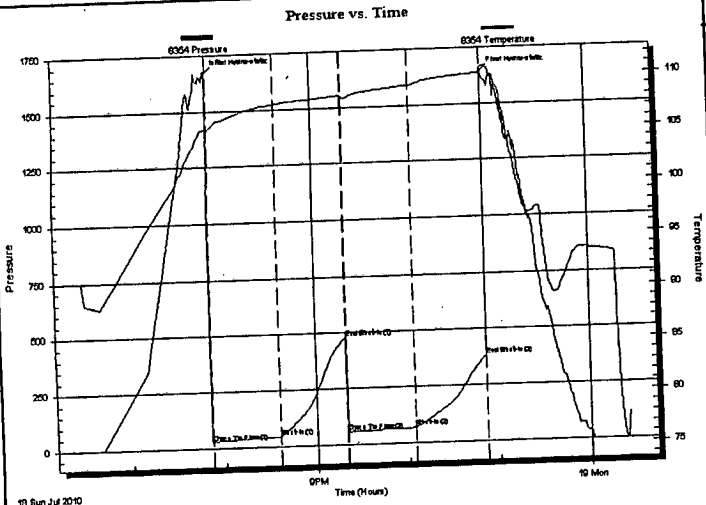
Reference Elevations:      **2046.00 ft (KB)**  
    **2038.00 ft (CF)**  
 KB to GR/CF:      **8.00 ft**

**Serial #: 8354**      **Inside**  
 Press@RunDepth:      **67.39 psig @ 3398.00 ft (KB)**  
 Start Date:      **2010.07.18**      End Date:      **2010.07.19**  
 Start Time:      **18:28:19**      End Time:      **00:26:18**

Capacity:      **8000.00 psig**  
 Last Calib.:      **2010.07.19**  
 Time On Btm:      **2010.07.18 @ 19:50:48**  
 Time Off Btm:      **2010.07.18 @ 22:52:03**

**TEST COMMENT:** IF-Strong B-B in 6 min  
 ISI-Weak building to 1"  
 FF-Strong B-B in 1 min  
 FSI-Weak building to 2"

**PRESSURE SUMMARY**



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1668.35	105.57	Initial Hydro-static
1	23.92	105.21	Open To Flow (1)
46	44.85	107.75	Shut-In(1)
89	477.90	108.43	End Shut-In(1)
89	57.33	108.32	Open To Flow (2)
134	67.39	109.21	Shut-In(2)
181	382.18	110.21	End Shut-In(2)
182	1640.83	110.64	Final Hydro-static

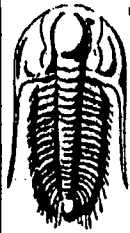
**Recovery**

Length (ft)	Description	Volume (bbl)
60.00	MCGsyO 10%g 70%o 20%m	0.57
75.00	CGsyO 20%g 80%o	1.05
0.00	1175 GIP	0.00

**Gas Rates**

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

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**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Mai Oil Operations Inc  
8400 Preston Rd Ste 800  
Dallas Tx 75225  
ATTN: Kurt Mai

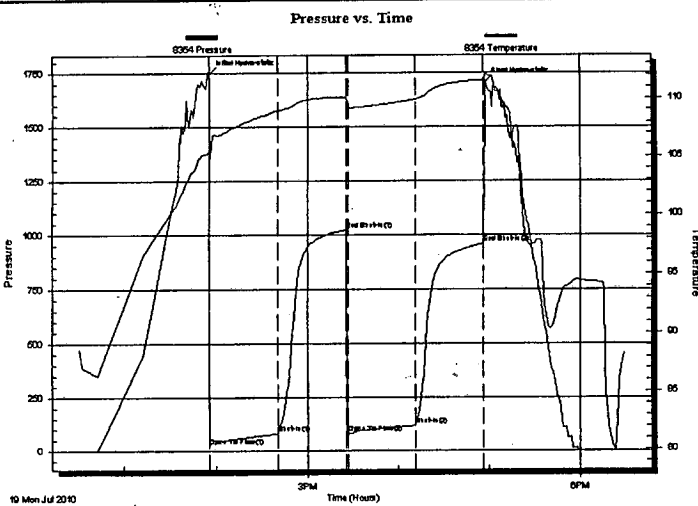
**Gerard Axman # 1**  
**28-17-15-Barton KS**  
Job Ticket: 038999      DST#: 3  
Test Start: 2010.07.19 @ 12:30:54

## GENERAL INFORMATION:

Formation: H-J  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 13:55:54  
Time Test Ended: 18:29:39  
Interval: 3473.00 ft (KB) To 3530.00 ft (KB) (TVD)  
Total Depth: 3530.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches      Hole Condition: Good  
Test Type: Conventional Bottom Hole  
Tester: Dan Bangle  
Unit No: 38  
Reference Elevations: 2046.00 ft (KB)  
2038.00 ft (CF)  
KB to GR/CF: 8.00 ft

Serial #: 8354      Inside  
Press@RunDepth: 117.25 psig @ 3480.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2010.07.19      End Date: 2010.07.19      Last Calib.: 2010.07.19  
Start Time: 12:30:55      End Time: 18:29:39      Time On Btm: 2010.07.19 @ 13:55:39  
Time Off Btm: 2010.07.19 @ 16:57:39

TEST COMMENT: IF-Strong B-B in 4 min.  
FF-Strong B-B in 1 min  
FSI-Weak building to 3"      GTS in 35 min



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1747.54	105.36	Initial Hydro-static
1	22.46	104.79	Open To Flow (1)
45	80.78	108.89	Shut-In(1)
90	1021.40	110.03	End Shut-In(1)
92	81.69	109.34	Open To Flow (2)
136	117.25	109.88	Shut-In(2)
181	956.42	111.49	End Shut-In(2)
182	1706.84	112.00	Final Hydro-static

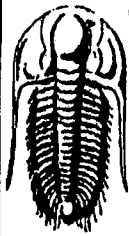
## Recovery

Length (ft)	Description	Volume (bbl)
240.00	O&GCM 40%g 30%o 30%m	3.09
10.00	OCM 40%o 60%m	0.14
0.00	GTS on FSI in 35 min	0.00

## Gas Rates

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

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**TRILOBITE TESTING, INC**

**DRILL STEM TEST REPORT**

Mai Oil Operations Inc  
 8400 Preston Rd Ste 800  
 Dallas Tx 75225  
 ATTN: Kurt Mai

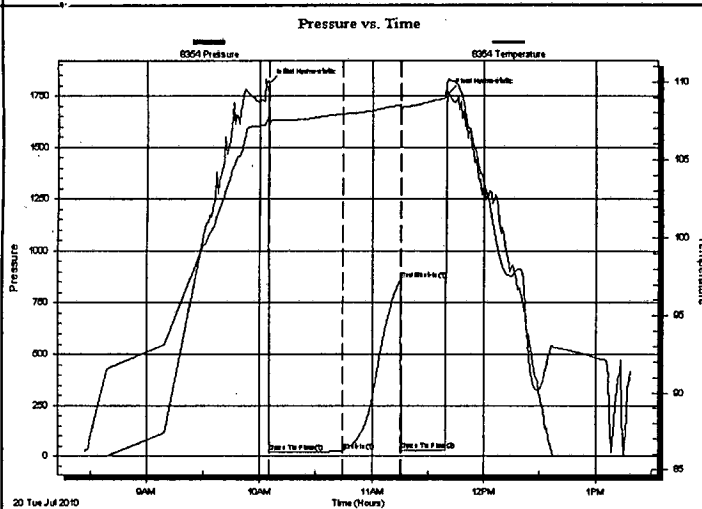
**Gerard Axman # 1**  
**28-17-15-Barton KS**  
 Job Ticket: 39000 DST#: 4  
 Test Start: 2010.07.20 @ 08:27:09

**GENERAL INFORMATION:**

Formation: **Arbuckle**  
 Deviated: **No Whipstock** ft (KB)  
 Time Tool Opened: 10:05:09  
 Time Test Ended: 13:19:09  
 Interval: **3571.00 ft (KB) To 3602.00 ft (KB) (TVD)**  
 Total Depth: **3602.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Poor**  
 Test Type: **Conventional Bottom Hole**  
 Tester: **Dustin Rash**  
 Unit No: **38**  
 Reference Elevations: **2046.00 ft (KB)**  
**2038.00 ft (CF)**  
 KB to GR/CF: **8.00 ft**

**Serial #: 8354** Inside  
 Press@RunDepth: **23.99 psig @ 3577.00 ft (KB)** Capacity: **8000.00 psig**  
 Start Date: **2010.07.20** End Date: **2010.07.20** Last Calib.: **2010.07.20**  
 Start Time: **08:27:10** End Time: **13:19:09** Time On Btm: **2010.07.20 @ 10:04:54**  
 Time Off Btm: **2010.07.20 @ 11:40:39**

**TEST COMMENT:** IF- Weak surface blow. Blow died off and on.  
 IS- No blow back.  
 FF- Weak surface blow after 6 minutes. Flushed and pulled tool.



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1812.59	107.80	Initial Hydro-static
1	19.82	107.25	Open To Flow (1)
39	23.99	107.92	Shut-In(1)
71	863.83	108.51	End Shut-In(1)
71	29.26	108.17	Open To Flow (2)
96	1762.74	110.19	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
35.00	70%Mud/30%Oil	0.22

**Gas Rates**

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

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