

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
October 2008
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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: (785) 483-2169
 CONTRACTOR: License # 33350
 Name: Southwind Drilling, Inc.
 Wellsite Geologist: Kitt Noach
 Purchaser: N/A
 Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW
 Gas ENHR SIGW
 CM (Coal Bed Methane) Temp. Abd.
 Dry Other _____
 (Core, WSW, Expl., Cathodic, 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
 Plug Back: _____ Plug Back Total Depth _____
 Commingled Docket No.: _____
 Dual Completion Docket No.: _____
 Other (SWD or Enhr.?) Docket No.: _____

<u>10-12-2009</u>	<u>10-20-2009</u>	<u>10-20-2009</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 009-25354-0000
 Spot Description: 60' North & 100' West
 _____ NW SW NW Sec. 31 Twp. 17 S. R. 14 East West
1590 Feet from North / South Line of Section
230 Feet from East / West Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
 County: Barton
 Lease Name: Mater Unit Well #: 1
 Field Name: Olmitz Northeast
 Producing Formation: N/A
 Elevation: Ground: 1970' Kelly Bushing: 1978'
 Total Depth: 3570' Plug Back Total Depth: 3570'
 Amount of Surface Pipe Set and Cemented at: 979 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 P+A AN I NR
 (Data must be collected from the Reserve Pit) 12-18-09
 Chloride content: 44000 ppm Fluid volume: 100 bbls
 Dewatering method used: Let dry
 Location of fluid disposal if hauled offsite: _____
 Operator Name: _____
 Lease Name: _____ License No.: _____
 Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
 County: _____ Docket No.: _____

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: Allen Bangert
 Title: Prod. Supt. Date: 12/11/2009

Subscribed and sworn to before me this 14 day of December,
 20 09.

Notary Public: Lori Crathorne
 Date Commission Expires: _____
 NOTARY PUBLIC - State of Kansas
 LORI CRATHORNE
 My Appt. Expires 7-7-2010

KCC Office Use ONLY

Letter of Confidentiality Received
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

Operator Name: Mai Oil Operations, Inc. Lease Name: Mater Unit Well #: 1
 Sec. 31 Twp. 17 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 type="checkbox"/> Yes <input checked="" 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: CNFD, DIL, Micro	<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>980'</td> <td>+998</td> </tr> <tr> <td>Topeka</td> <td>2941'</td> <td>-963</td> </tr> <tr> <td>Heebner</td> <td>3178'</td> <td>-1200</td> </tr> <tr> <td>Toronto</td> <td>3193'</td> <td>-1215</td> </tr> <tr> <td>Brown Lime</td> <td>3243'</td> <td>-1265</td> </tr> <tr> <td>Lansing</td> <td>3256'</td> <td>-1278</td> </tr> <tr> <td>Arbuckle</td> <td>3545'</td> <td>-1567</td> </tr> </table>	Name	Top	Datum	Anhydrite	980'	+998	Topeka	2941'	-963	Heebner	3178'	-1200	Toronto	3193'	-1215	Brown Lime	3243'	-1265	Lansing	3256'	-1278	Arbuckle	3545'	-1567
Name	Top	Datum																							
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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#	979'	60-40 POZ	350	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
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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	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: _____ _____
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TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mai Oil Operations Inc
 PO Box 33
 Russell KS 67665
 ATTN: Kitt Noah

Mater Unit #1
31-17s-14w Barton Ks
 Job Ticket: 35714 **DST#: 2**
 Test Start: 2009.10.18 @ 22:14:19

GENERAL INFORMATION:

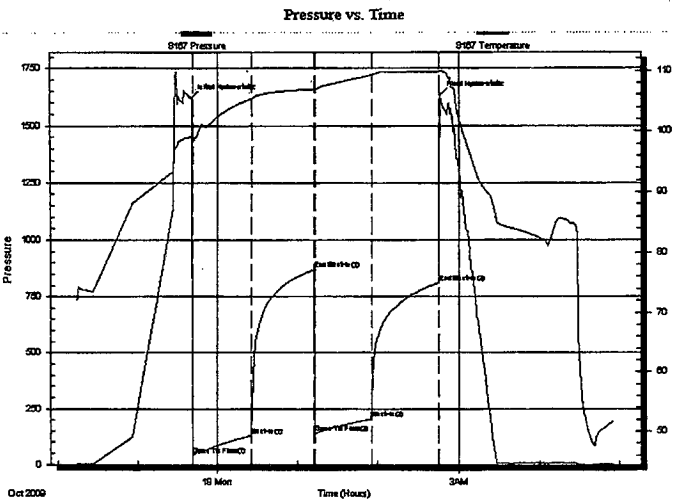
Formation: **Lans. H - J**
 Deviated: **No Whipstock** ft (KB)
 Time Tool Opened: 23:41:19
 Time Test Ended: 04:56:04
 Interval: **3380.00 ft (KB) To 3440.00 ft (KB) (TVD)**
 Total Depth: **3440.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Poor**

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Test Type: **Conventional Bottom Hole**
 Tester: **Gary Pevoteaux**
 Unit No: **39**
 Reference Elevations: **1978.00 ft (KB)**
1970.00 ft (CF)
 KB to GR/CF: **8.00 ft**

Serial #: 8167 **Inside**
 Press@RunDepth: **204.03 psig @ 3381.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2009.10.18** End Date: **2009.10.19** Last Calib.: **2009.10.19**
 Start Time: **22:14:24** End Time: **04:56:03** Time On Btrn: **2009.10.18 @ 23:39:49**
 Time Off Btrn: **2009.10.19 @ 02:45:48**

TEST COMMENT: IF: Strong blow . B.O.B. in 9 mins.
 IS: Fair blow . Increase to 7 1/2".
 FF: Strong blow . B.O.B. in 9 1/2 mins.
 FS: Fair blow . Increase to 11".



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1618.82	99.05	Initial Hydro-static
2	41.57	98.29	Open To Flow (1)
46	129.68	105.35	Shut-In(1)
93	869.47	106.90	End Shut-In(1)
93	140.46	106.70	Open To Flow (2)
136	204.03	109.25	Shut-In(2)
185	811.23	109.71	End Shut-In(2)
186	1632.89	109.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	MV w/o specs 6%m 94%w	1.75
190.00	GOCMV 24%g 7%o 21%m 48%w	2.67
95.00	GOCMV 9%g 14%o 21%m 52%w	1.33
0.00	590 ft. of GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mai Oil Operations Inc
PO Box 33
Russell KS 67665
ATTN: Kitt Noah

Mater Unit #1
31-17s-14w Barton Ks
Job Ticket: 35713 **DST#: 1**
Test Start: 2009.10.17 @ 23:37:37

GENERAL INFORMATION:

Formation: **Lans. A - C.**
Deviated: **No Whipstock** ft (KB)
Time Tool Opened: 01:11:22
Time Test Ended: 05:55:22

Test Type: **Conventional Bottom Hole**
Tester: **Gary Pevoteaux**
Unit No: **39**

Interval: **3250.00 ft (KB) To 3288.00 ft (KB) (TVD)**
Total Depth: **3288.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **1978.00 ft (KB)**
1970.00 ft (CF)
KB to GR/CF: **8.00 ft**

Serial #: 8167 **Inside**
Press@RunDepth: **148.77 psig @ 3251.00 ft (KB)**
Start Date: **2009.10.17** End Date: **2009.10.18**
Start Time: **23:37:42** End Time: **05:55:21**

Capacity: **8000.00 psig**
Last Calib.: **2009.10.18**
Time On Btrr: **2009.10.18 @ 01:08:22**
Time Off Btrr: **2009.10.18 @ 04:14:36**

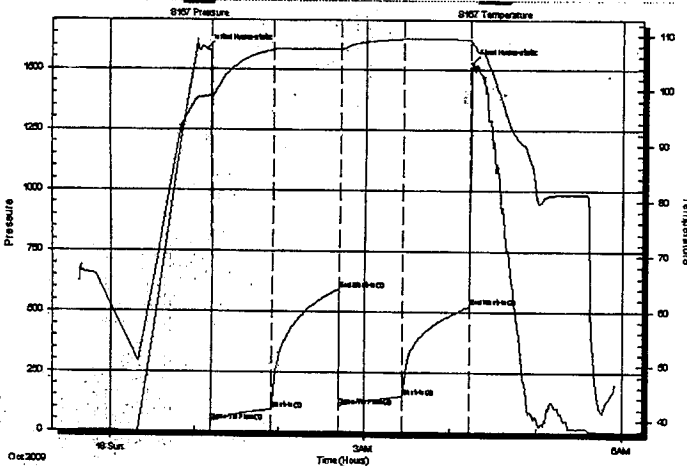
TEST COMMENT: IF: Fair to strong blow . B.O.B. in 22 mins.
IS: Weak blow . 1/4 - 1/2".
FF: Fair to strong blow . B.O.B. in 24 mins.
FSI: Weak blow . 1/4" or less.

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Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1581.45	98.88	Initial Hydro-static
3	38.71	98.67	Open To Flow (1)
47	92.84	107.38	Shut-in(1)
94	593.74	107.58	End Shut-in(1)
94	108.15	107.47	Open To Flow (2)
139	148.77	109.38	Shut-in(2)
185	524.17	109.30	End Shut-in(2)
187	1525.98	108.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
190.00	SW	2.67
60.00	MW 14% _m 86% _w	0.84
30.00	M&WCO 17% _m 36% _w 47% _o	0.42
0.00	350 ft. of GIP	0.00

Gas Rates

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

QUALITY OILWELL CEMENTING, INC.

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

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

No. 3865

Date	10-09	Sec.	31	Twp.	17	Range	14	County	Barton	State	Ks	On Location		Finish	10:30
Lease	Mater Unit		Well No.	1		Location OUMITZ Ks Hwy 4									
Contractor	Sadhwan Dady #3							Owner I E 1/2 S E INTO							
Type Job	8 5/8							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.	985											
Csg.	8 5/8 23 #		Depth	979											
Tbg. Size			Depth												
Tool			Depth												
Cement Left in Csg.	42.16		Shoe Joint	42.14											
Meas Line			Displace	59.95 Bbl											
EQUIPMENT				CEMENT											
Pumptrk	5	No.	Cementor	Amount Ordered 350x 60/40 Poz 2 1/2 Gel 3 1/2 CL											
			Helper	Common 210											
Bulktrk	4	No.	Driver	Poz. Mix 140											
			Driver	Gel. 6											
Bulktrk	PV	No.	Driver	Calcium 11											
			Driver	Hulls											
JOB SERVICES & REMARKS				Salt											
Remarks:				Flowseal											
Run 23 # 8 5/8 23 # csg				RECEIVED											
Mix & Pump 350x 60/40 Poz				DEC 16 2009											
2 1/2 Gel 3 1/2 CL				KCC WICHITA											
SHUT DOWN				Handling 367											
Release 8 5/8 Rubber Plug				Mileage 08 PBL & PBL MILE											
DISP 59.95 total Bbl.				FLOAT EQUIPMENT											
Close Valves on csg 350 #				Guide Shoe											
Good Cmc thru JOB				Centralizer											
COC CMT TO PIT				Baskets											
				AFU Inserts											
				1 8 5/8 Alum Baffle											
				1 8 5/8 Rubber Plug											
				Pumptrk Charge											
				Mileage											
THANKS				Tax											
JOE TOOP Rocky				Discount											
Signature Jay Klein				Total Charge											

PLEASE CALL BRAN