

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

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 Noah
 Purchaser: NCRA
 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>07/27/2009</u>	<u>08/03/2009</u>	<u>08/03/2009</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 009-25331-0000
 Spot Description: 280' South & 160' East
SE NE NW Sec. 13 Twp. 17 S. R. 15 East West
1270 Feet from North / South Line of Section
2470 Feet from East / West Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
 County: Barton
 Lease Name: Axman-Feist Unit Well #: 1
 Field Name: Wildcat
 Producing Formation: Lansing-Kansas City
 Elevation: Ground: 1902' Kelly Bushing: 1910'
 Total Depth: 3501' Plug Back Total Depth: 3455'
 Amount of Surface Pipe Set and Cemented at: 903 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 *Alt I NR 11-4-09*
 (Data must be collected from the Reserve Pit)
 Chloride content: 65000 ppm Fluid volume: 300 bbls
 Dewatering method used: Hauled Offsite
 Location of fluid disposal if hauled offsite:
 Operator Name: Mai Oil Operations, Inc.
 Lease Name: Nuss License No.: 5259
 Quarter SE Sec. 33 Twp. 15 S. R. 14 East West
 County: Russell Docket No.: D-28763

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: 10/20/2009
 Subscribed and sworn to before me this 20 day of October,
 20 09.
 Notary Public: _____
 Date Commission Expires: August 14, 2011

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

KATHLEEN NEWTON
 Notary Public - State of Kansas
 My Appt. Expires 8-14-11

OCT 23 2009
 KCC WICHITA

Operator Name: Mal Oil Operations, Inc. Lease Name: Axman-Felst Unit Well #: 1
 Sec. 13 Twp. 17 S. R. 15 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, Sonic, 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>928'</td> <td>+982</td> </tr> <tr> <td>Topeka</td> <td>2880'</td> <td>-970</td> </tr> <tr> <td>Heebner</td> <td>3111'</td> <td>-1201</td> </tr> <tr> <td>Toronto</td> <td>3124'</td> <td>-1214</td> </tr> <tr> <td>Lansing</td> <td>3170'</td> <td>-1260</td> </tr> <tr> <td>Base Kansas City</td> <td>3399'</td> <td>-1489</td> </tr> <tr> <td>Arbuckle</td> <td>3444'</td> <td>-1534</td> </tr> </table>	Name	Top	Datum	Anhydrite	928'	+982	Topeka	2880'	-970	Heebner	3111'	-1201	Toronto	3124'	-1214	Lansing	3170'	-1260	Base Kansas City	3399'	-1489	Arbuckle	3444'	-1534
Name	Top	Datum																							
Anhydrite	928'	+982																							
Topeka	2880'	-970																							
Heebner	3111'	-1201																							
Toronto	3124'	-1214																							
Lansing	3170'	-1260																							
Base Kansas City	3399'	-1489																							
Arbuckle	3444'	-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#	903'	60-40 POZ	400	2% gel, 3% CC
Production	7 7/8"	5 1/2"	14#	3492'	60-40 POZ	175	

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
3	3371-75', 3355-59', 3318-22', 3253-57', 3185-89'	9500 Gal 20% HCL	

TUBING RECORD: Size: <u>2 7/8"</u> Set At: <u>3440'</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or Enhr. <u>08/28/2009</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>3</u>	Gas Mcf _____	Water Bbls. <u>100</u> Gas-Oil Ratio _____ Gravity _____

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 <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3185-3375' OA</u>
--	---	--

ALLIED CEMENTING CO., LLC. 038460

PO. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT
Russell

TE 8309	SEC 13	TWP 17	RANGE 15	CALLED OUT	ON LOCATION	JOB START 6:30 AM	JOB FINISH 7:15 AM
LEASEE ACMAW	WELL # 1	LOCATION Hwy 4281 4N 4W Shto		COUNTY Barton		STATE KS	

OLD OR NEW (Circle one) NEW

CONTRACTOR Southwind #3

TYPE OF JOB Production Spring

HOLE SIZE 7 3/8 T.D. 3500

CASING SIZE 5 1/2 14# USED DEPTH 3492

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT 18.90

CEMENT LEFT IN CSG 18.90

PERFS _____

DISPLACEMENT 84 3/4 B L

EQUIPMENT

PUMP TRUCK # 417 CEMENTER Coag HELPER Matt

BULK TRUCK # 410 DRIVER Colenn

BULK TRUCK # _____ DRIVER _____

REMARKS:

Insert seal @ 3473.10

Rathole 30SK

Plug land @ 1500 ps.

Released SK.

Thanks

CHARGE TO: Ma. O-1

STREET _____

CITY _____ STATE _____ ZIP _____

OWNER		
CEMENT		
AMOUNT ORDERED	<u>175 gal/40</u>	<u>10% Salt</u>
	<u>1000 gal WFR-2</u>	<u>2% Gel</u>
		<u>1/4# 6/10</u>
COMMON	<u>10.5</u>	@ <u>13.50</u> = <u>1417.50</u>
POZMIX	<u>70</u>	@ <u>7.55</u> = <u>528.50</u>
GEL	<u>3</u>	@ <u>20.25</u> = <u>60.75</u>
CHLORIDE		@ _____ = _____
ASC		@ _____ = _____
	<u>5 gal</u>	@ <u>7</u> = _____
	<u>Flo Seal 43#</u>	@ <u>2.45</u> = <u>1051.35</u>
		@ _____ = _____
	<u>WFR-2 1000</u>	@ <u>1.10</u> = <u>N.C.</u>
		@ _____ = _____
		@ _____ = _____
		@ _____ = _____
HANDLING	<u>175</u>	@ <u>2.25</u> = <u>393.75</u>
MILEAGE	<u>10/31/09</u>	= <u>437.50</u>
TOTAL		<u>3092.10</u>

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE		<u>1957.00</u>
EXTRA FOOTAGE	@	
MILEAGE	<u>25</u>	@ <u>7.00</u> = <u>1751.00</u>
MANIFOLD	@	
	@	
	@	
TOTAL		<u>2132.00</u>

RECEIVED

OCT 23 2009

KCC WICHITA

PLUG & FLOAT EQUIPMENT

<u>1 5/8 AFU Float shoe Blue</u>		<u>1001.80</u>
<u>10 Centralizers (60)</u>	@ <u>27.00</u>	<u>270.00</u>
<u>1 Latchdown Assembly</u>	@	<u>163.80</u>
	@	
	@	

To Allied Cementing Co., LLC
You are hereby requested to rent cementing equipment



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mai Oil Operations Inc

Axman-Feist # 1

PO Box 33
Russell KS 67665

13 17 15 Barton KS

Job Ticket: 35430

DST#: 1

ATTN: Allen Bangert

Test Start: 2009.07.31 @ 15:20:42

GENERAL INFORMATION:

Formation: **A-B LKC**
 Deviated: **No Whipstock** ft (KB)
 Time Tool Opened: 16:52:42
 Time Test Ended: 21:15:42

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

Interval: **3174.00 ft (KB) To 3198.00 ft (KB) (TVD)**
 Total Depth: **3198.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **1910.00 ft (KB)**
 ft (CF)
 KB to GR/CF: **ft**

Serial #: 8372

Inside

Press@RunDepth: **79.00 psig @ 3175.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2009.07.31**

End Date:

2009.07.31

Last Calib.: **2009.07.31**

Start Time: **15:20:43**

End Time:

21:15:42

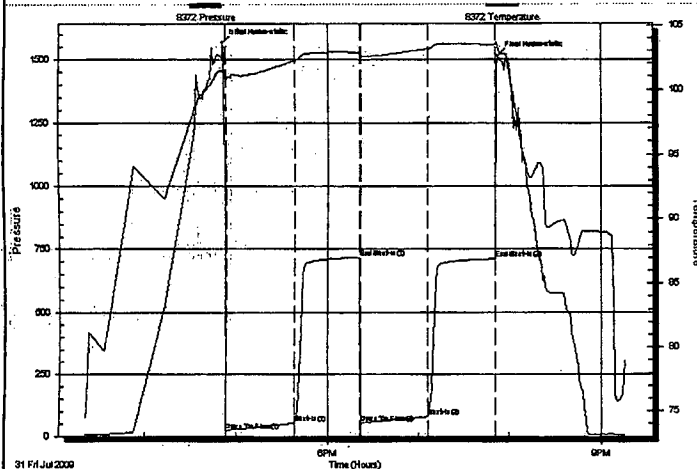
Time On Btrm: **2009.07.31 @ 16:51:12**

Time Off Btrm: **2009.07.31 @ 19:52:42**

TEST COMMENT: IF-Weak building to 4 1/2"

FF-Weak building to 3/4"

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1567.75	101.45	Initial Hydro-static
2	21.74	100.55	Open To Flow (1)
47	53.53	102.21	Shut-In (1)
90	717.71	102.87	End Shut-In (1)
91	55.14	102.46	Open To Flow (2)
135	79.00	103.14	Shut-In (2)
180	711.99	103.47	End Shut-In (2)
182	1515.47	103.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
119.00	Mdy Wtr	1.67

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
PO Box 33
Russell KS 67665
ATTN: Allen Bangert

Axman-Feist # 1
13 17 15 Barton KS
Job Ticket: 35431 **DST#: 2**
Test Start: 2009.08.01 @ 18:37:24

GENERAL INFORMATION:

Formation: I-J-K
Deviated: No Whipstock ft (KB)
Time Tool Opened: 20:08:24
Time Test Ended: 00:56:24
Interval: **3328.00 ft (KB) To 3388.00 ft (KB) (TVD)**
Total Depth: 3388.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

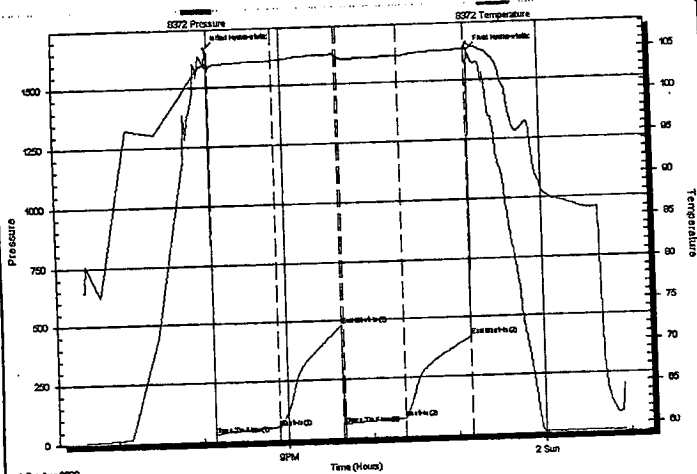
Test Type: Conventional Bottom Hole
Tester: Dan Bangle
Unit No: 38
Reference Elevations: 1910.00 ft (KB)
ft (CF)
KB to GR/CF: ft

Serial #: 8372 Inside
Press@RunDepth: 78.00 psig @ 3332.00 ft (KB)
Start Date: 2009.08.01 End Date: 2009.08.02
Start Time: 18:37:25 End Time: 00:56:24

Capacity: 7000.00 psig
Last Calib.: 2009.08.02
Time On Btm: 2009.08.01 @ 20:06:54
Time Off Btm: 2009.08.01 @ 23:10:54

TEST COMMENT: IF-Strong B-B in 9 min
FF-Strong B-B in 7 min

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1662.94	103.96	Initial Hydro-static
2	27.63	103.21	Open To Flow (1)
47	54.97	104.29	Shut-In(1)
92	479.65	104.89	End Shut-In(1)
94	58.42	104.53	Open To Flow(2)
136	78.00	104.46	Shut-In(2)
183	417.09	105.03	End Shut-In(2)
184	1630.20	106.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OCGsyM 10%g 30%o 60%o	0.84
30.00	MCGsyO 10%g 60%o 30%o	0.42
45.00	CGsyO 10%g 90%o	0.63
0.00	725 GIP	0.00

Gas Rates

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

RECEIVED
OCT 23 2009
KCC WICHITA