

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

11/5/12

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: (785) 483-2169
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 #:

08/27/2010 09/03/2010 09/03/2010
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 167-23657-0000
Spot Description:
w/2 NW SE NE Sec. 23 Twp. 13 S. R. 14 East West
1,650 Feet from North / South Line of Section
1,050 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Russell
Lease Name: Anschutz "A" Well #: 1
Field Name: Wildcat
Producing Formation: Arbuckle
Elevation: Ground: 1821' Kelly Bushing: 1829'
Total Depth: 3330' Plug Back Total Depth: 3305'
Amount of Surface Pipe Set and Cemented at: 446 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: 32000 ppm Fluid volume: 200 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: 11/04/2010

KCC Office Use ONLY

Letter of Confidentiality Received
Date: 11/5/10 - 11/5/12
 Confidential Release Date:
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: [Signature] Date: 11-5-10

Operator Name: Mai Oil Operations, Inc. Lease Name: Anschutz "A" Well #: 1
 Sec. 23 Twp. 13 S. R. 14 East West County: Russell

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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 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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, 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:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>835'</td> <td>+994</td> </tr> <tr> <td>Topeka</td> <td>2697'</td> <td>-868'</td> </tr> <tr> <td>Heebner</td> <td>2925'</td> <td>-1096</td> </tr> <tr> <td>Toronto</td> <td>2942'</td> <td>-1113</td> </tr> <tr> <td>Lansing</td> <td>2981'</td> <td>-1152</td> </tr> <tr> <td>Base Kansas City</td> <td>3240'</td> <td>-1411</td> </tr> <tr> <td>Arbuckle</td> <td>3250'</td> <td>-1421</td> </tr> </table>	Name	Top	Datum	Anhydrite	835'	+994	Topeka	2697'	-868'	Heebner	2925'	-1096	Toronto	2942'	-1113	Lansing	2981'	-1152	Base Kansas City	3240'	-1411	Arbuckle	3250'	-1421
Name	Top	Datum																							
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Base Kansas City	3240'	-1411																							
Arbuckle	3250'	-1421																							

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"	20#	446'	60-40 POZ	200	2% gel, 3% CC
Production	7 7/8"	5 1/2"	14#	3329'	60-40 POZ	190	

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
4	3270-74'		

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TUBING RECORD: Size: <u>2 7/8"</u> Set At: <u>3300</u> Packer At: _____ Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No											
Date of First, Resumed Production, SWD or ENHR. <u>09/28/2010</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	<table style="width:100%; border-collapse: collapse;"> <tr> <td>Oil Bbls.</td> <td>Gas Mcf</td> <td>Water Bbls.</td> <td>Gas-Oil Ratio</td> <td>Gravity</td> </tr> <tr> <td>75</td> <td> </td> <td>0</td> <td> </td> <td> </td> </tr> </table>	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	75		0		
Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity							
75		0									

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>3270-74' O.A.</u>
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QUALITY OILWELL CEMENTING, INC.

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

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

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No. 4175

Date	8-28-10	Sec.	Twp.	Range	County	State	Location	Finish
Lease	Anschutz 2	Well No.	A#2		Russell IN 5 E 1/2 N 2 B 1/2			5:00 AM
Contractor	Southwind 3				Owner			
Type Job	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.	448		Charge To			
Csg.	8 5/8	Depth	446		Mai Out			
Tbg. Size		Depth			Street			
Tool		Depth			City State			
Cement Left in Csg.	15'	Shoe Joint			The above was done to satisfaction and supervision of owner agent or contractor.			
Meas Line	23 rd	Displace	27 1/2 BBL		Cement Amount Ordered 200 @ 3 Y 2			

EQUIPMENT

Pumptrk	1	No.	Cement Helper	Dave	Common	120
Bulktrk	3	No.	Driver	Jason	Poz. Mix	80
Bulktrk		No.	Driver	Jay	Gel.	4
		No.	Driver	Kent	Calcium	7

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
Cement Cir	Sand
	Handling 211
	Mileage

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	8 5/8 wooden plug
Pumptrk Charge	Surface
Mileage	2

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Discount

Total Charge

X Signature

Kent

ALLIED CEMENTING CO., LLC. 041909

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

KCC
NOV 05 2010
SERVICE POINT: Russell

DATE <u>9-3-10</u>	SEC. <u>23</u>	TWP. <u>13S</u>	RANGE <u>14W</u>	CALLED OUT	ON LOCATION	JOB START <u>2:30 A.M.</u>	JOB FINISH <u>3:30 A.M.</u>
LEASE <u>Anschutz</u>	WELL # <u>A #2</u>	LOCATION <u>Russell 15th Street, Va E</u>			COUNTY <u>Russell</u>	STATE <u>Ks.</u>	
OLD OR <u>NEW</u> (Circle one)		<u>1/2 N Edto</u>					

CONTRACTOR Southern Drilling Rig #3

TYPE OF JOB Production String

HOLE SIZE 7 1/2 T.D. 3330'

CASING SIZE 5 1/2 14" DEPTH 3329

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT 21.28

CEMENT LEFT IN CSG. 21.28

PERFS. _____

DISPLACEMENT 80,71 661

OWNER _____

CEMENT

AMOUNT ORDERED 190 60/40 10% Salt

2% Gel 1/4" Flt

1000 Gal WFR-2

COMMON	<u>114</u>	@	<u>13.50</u>	<u>1539.00</u>
POZMIX	<u>76</u>	@	<u>7.55</u>	<u>573.20</u>
GEL	<u>3</u>	@	<u>20.25</u>	<u>60.75</u>
CHLORIDE		@		
ASC		@		
<u>Salt</u>	<u>8</u>	@	<u>21.25</u>	<u>170.00</u>
<u>Flt. Sol</u>	<u>47</u>	@	<u>2.45</u>	<u>115.15</u>
<u>WFR-2</u>	<u>1000 Gal</u>	@	<u>1.10</u>	<u>N-C</u>
HANDLING	<u>190</u>	@	<u>2.25</u>	<u>427.50</u>
MILEAGE	<u>110/56/24.1</u>			<u>300.00</u>

EQUIPMENT

PUMP TRUCK CEMENTER Shane

417 HELPER Heath

BULK TRUCK

378 DRIVER David TWS

BULK TRUCK

_____ DRIVER _____

REMARKS:

Rat Hole 3000 Pipe on Diller Est Circle

Insert @ 3307.72'

Mixed 1000 gal WFR-2. Plugged

Rat Hole @ Mixed 160 lbs

Blow down 5 1/2". Shut down

washed pump & lines. Displaced

80,71661 Landfill plug @ 1700 psi

Float Held!

TOTAL 3186.20

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DEPTH OF JOB				
PUMP TRUCK CHARGE			<u>KCC WICHITA</u>	<u>1957.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>1</u>	@	<u>2.00</u>	<u>2.00</u>
MANIFOLD		@		

CHARGE TO: Mai Oil Operations

STREET _____

CITY _____ STATE _____ ZIP _____

TOTAL 1964.00

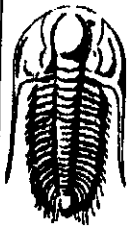
PLUG & FLOAT EQUIPMENT

<u>AFU - Float Shoe</u>	@		<u>101.00</u>
<u>10 Toughball Eds</u>	@	<u>42.00</u>	<u>420.00</u>
<u>Letch down</u>	@		<u>164.00</u>

To Allied Cementing Co., LLC.

You are hereby requested to rent cementing equipment

Thanks!



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mai Oil operations inc.

Anschutz A#2

8411 Preston Rd
STE 800
Dallas Tx 75225
ATTN: Kitt Noah

23-13-14 Russe II, Ks

Job Ticket: 040378

DST#: 1

Test Start: 2010.08.31 @ 18:15:05

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GENERAL INFORMATION:

Formation: **LKC-B&C**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 19:47:10
Time Test Ended: 23:59:20

Test Type: **Conventional Bottom Hole**
Tester: **Andy Carreira**
Unit No: **31**

Interval: **2992.00 ft (KB) To 3027.00 ft (KB) (TVD)**
Total Depth: **3027.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1829.00 ft (KB)**
1821.00 ft (CF)
KB to GR/CF: **8.00 ft**

Serial #: 8352

Outside

Press@RunDepth: **412.58 psig @ 2993.00 ft (KB)**

Start Date: **2010.08.31**

End Date:

2010.08.31

Start Time: **18:15:05**

End Time:

23:59:20

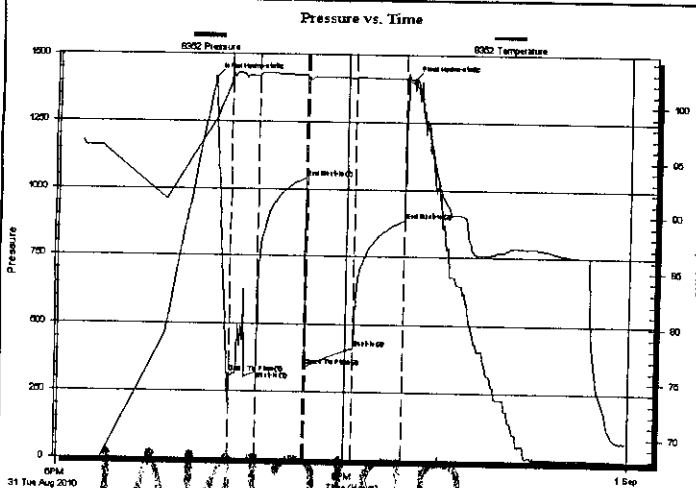
Capacity: **8000.00 psig**

Last Calib.: **2010.08.31**

Time On Btm: **2010.08.31 @ 19:37:00**

Time Off Btm: **2010.08.31 @ 21:41:40**

TEST COMMENT: IF: BOB, 1 min
IS: No return
FF: BOB, 7 min
FS: No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1414.25	98.56	Initial Hydro-static
11	318.44	103.09	Open To Flow (1)
28	324.65	102.76	Shut-In(1)
58	1043.11	102.79	End Shut-In(1)
59	346.36	102.49	Open To Flow (2)
88	412.58	102.57	Shut-In(2)
120	885.41	102.51	End Shut-In(2)
125	1410.33	102.20	Final Hydro-static

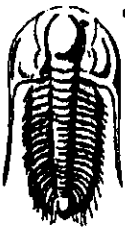
Recovery

Length (ft)	Description	Volume (bbl)
860.00	GMMV with slight oil specks g=10% n=30	12.06

Gas Rates

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

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mai Oil operations inc.

Anschutz A#2

8411 Preston Rd
STE 800
Dallas Tx 75225
ATTN: Kitt Noah

23-13-14 Russell, Ks

Job Ticket: 040379

DST#: 2

Test Start: 2010.09.02 @ 00:40:05

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole**
 Time Tool Opened: **02:17:50** Tester: **Andy Carreira**
 Time Test Ended: **07:28:50** Unit No: **31**
 Interval: **3240.00 ft (KB) To 3277.00 ft (KB) (TVD)** Reference Elevations: **1829.00 ft (KB)**
 Total Depth: **3277.00 ft (KB) (TVD)** **1821.00 ft (CF)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **8.00 ft**

Serial #: **8352**

Outside

Press@RunDepth: **435.09 psig @ 3241.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.09.02** End Date: **2010.09.02**

Last Calib.: **2010.09.02**

Start Time: **00:40:05** End Time: **07:28:50**

Time On Btm: **2010.09.02 @ 02:15:40**

Time Off Btm: **2010.09.02 @ 04:34:10**

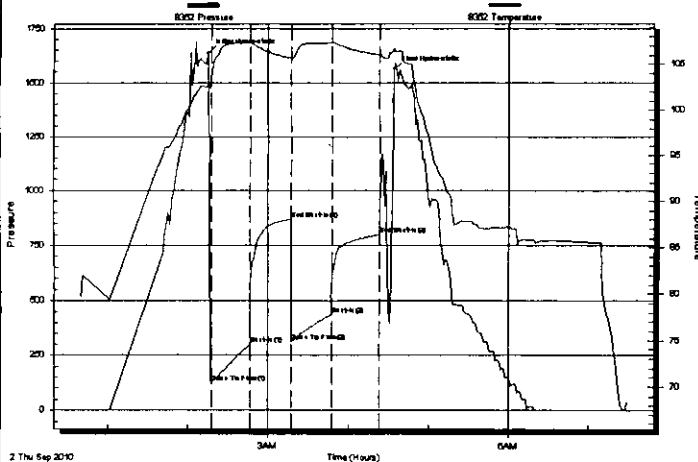
TEST COMMENT: **IF: BOB,3 min**

IS: No return

FF: BOB,4 min

FS: No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1636.91	102.59	Initial Hydro-static
3	121.89	103.21	Open To Flow (1)
32	297.44	107.30	Shut-In (1)
62	869.64	105.69	End Shut-In (1)
62	310.47	105.53	Open To Flow (2)
92	435.09	107.31	Shut-In (2)
128	797.65	106.07	End Shut-In (2)
139	1561.56	106.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MCO 30%M 70%O	0.84
1036.00	Free Oil 100%O	14.53
0.00	GIP=60ft	0.00

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (MMcfd)

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