

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

ORIGINAL

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) 483-1676
 CONTRACTOR: License # 33350
 Name: Southwind Drilling, Inc.
 Wellsite Geologist: Kitt Noah
 Purchaser: N/A
 Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW
 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>11-02-2009</u>	<u>11-11-2009</u>	<u>11-11-2009</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

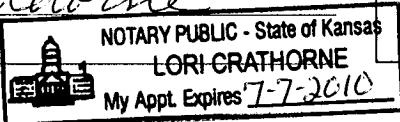
API No. 15 - 009-25357-0000
 Spot Description: 40' South and 70' East
SE SE NW SW Sec. 1 Twp. 18 S. R. 15 East West
1445 Feet from North / South Line of Section
1225 Feet from East / West Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
 County: Barton
 Lease Name: Hildreth Well #: 3
 Field Name: Wildcat
 Producing Formation: Lansing
 Elevation: Ground: 1985' Kelly Bushing: 1993'
 Total Depth: 3625' Plug Back Total Depth: 3540'
 Amount of Surface Pipe Set and Cemented at: 1020' 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/ Att 1-Drig - 5/6/10 ^{sq. cft.}

Drilling Fluid Management Plan
 (Data must be collected from the Reserve Pit)
 Chloride content: 61000 ppm Fluid volume: 200 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: 05-03-2010
 Subscribed and sworn to before me this 3 day of May,
20 10.
 Notary Public: Lori Crathorne
 Date Commission Expires: 7-7-2010



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

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 05 2010

CONSERVATION DIVISION
WICHITA, KS

Operator Name: Mai Oil Operations, Inc. Lease Name: Hildreth Well #: 3
 Sec. 1 Twp. 18 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: Gamma Ray-Neutron, CCL Bond Log	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" 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>1032'</td> <td>+961</td> </tr> <tr> <td>Topeka</td> <td>2988'</td> <td>-995</td> </tr> <tr> <td>Heebner</td> <td>3226'</td> <td>-1233</td> </tr> <tr> <td>Toronto</td> <td>3241'</td> <td>-1248</td> </tr> <tr> <td>Lansing</td> <td>3307'</td> <td>-1314</td> </tr> <tr> <td>Base Kansas City</td> <td>3528'</td> <td>-1530</td> </tr> <tr> <td>Arbuckle</td> <td>3562'</td> <td>-1569</td> </tr> </table>	Name	Top	Datum	Anhydrite	1032'	+961	Topeka	2988'	-995	Heebner	3226'	-1233	Toronto	3241'	-1248	Lansing	3307'	-1314	Base Kansas City	3528'	-1530	Arbuckle	3562'	-1569
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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#	1020'	60-40 POZ	375	2%Gel, 3%CC
Production	7 7/8"	5 1/2"	14#	3625'	60-40 POZ	150	

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	3472-76', 3453-57', 3439-43'	3750 gal. 20% HCL	
4	3564-68'	250 gal 15% HCL	
	CIBP set @ 3540'		

TUBING RECORD: Size: <u>2 3/8" Seal-tite</u> Set At: <u>3411</u> Packer At: <u>3411</u>		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. <u>As soon approval given</u>		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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3439-3476' OA</u>
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ALLIED CEMENTING CO., INC.

29592

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

SERVICE POINT: 2

DATE <u>11-11-09</u>	SEC. <u>1</u>	TWP. <u>18</u>	RANGE <u>15w</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>2:00</u>
LEASE <u>HELDREN</u> WELL # <u>3</u>		LOCATION <u>OLMETZ S SIDE 1/4 E</u>		COUNTY <u>BARTON</u>	STATE <u>KS</u>		
OLD OR <u>NEW</u> (Circle one)				<u>SINTO</u>			

CONTRACTOR SOUTHWEST #3

TYPE OF JOB PRODUCTION STRIKE

HOLE SIZE 7 7/8 T.D. 3625

CASING SIZE 5 1/2 DEPTH 3634

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 20.75

CEMENT LEFT IN CSG. 20.75

PERFS.

DISPLACEMENT 88.16 FBL

OWNER _____

CEMENT

AMOUNT ORDERED 150 69lb 10% SACT
2% GEL WLB FLO-SEAL /SK
1000 GAL WFR-2

COMMON	<u>90</u>	@	<u>13.50</u>	<u>1215.00</u>
POZMIX	<u>60</u>	@	<u>7.55</u>	<u>453.00</u>
GEL	<u>2</u>	@	<u>20.25</u>	<u>40.50</u>
CHLORIDE		@		
ASC		@		

<u>Sgt</u>	<u>6</u>	@	<u>21.25</u>	<u>127.50</u>
<u>Flo Seal</u>	<u>37</u>	@	<u>2.45</u>	<u>90.65</u>
<u>WFR-2 1000 Gal</u>		@	<u>1.10</u>	<u>N-C</u>

HANDLING	<u>150</u>	@	<u>2.25</u>	<u>337.50</u>
MILEAGE	<u>110/sk/mile</u>			<u>300.00</u>

TOTAL 2564.15

EQUIPMENT

PUMP TRUCK CEMENTER MARK D.

398 HELPER BILL L.

BULK TRUCK

473 DRIVER SHANE P.

BULK TRUCK

DRIVER

REMARKS:

30 SK @ 2.11.
1000 GAL WFR-2 @ 120 CEMENT
WASH PUMP & LINES RELEASE PLUG
DISPLACE 88.16 FBL LANA PLUG @
1500# RELEASED DRY UP SHUT IN

SERVICE

DEPTH OF JOB				
PUMP TRUCK CHARGE				<u>1957.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>19</u>	@	<u>7.00</u>	<u>133.00</u>
MANIFOLD		@		

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TOTAL 2090.00

CHARGE TO: MAZ OIL OPERATIONS

STREET _____

CITY _____ STATE _____ ZIP _____

CONSERVATION DIVISION
WICHITA, KS

PLUG & FLOAT EQUIPMENT

<u>5 1/2</u>				
<u>FLOAT SHOE</u>		@		<u>101.00</u>
<u>LATCH DOWN</u>		@		<u>164.00</u>
<u>10-TURBO CENT</u>		@	<u>42.00</u>	<u>420.00</u>
		@		
		@		

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mai Oil Operations, Inc.

Hildreth #3

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

1-18s-15w-Barton KS

Job Ticket: 36708 **DST#: 1**

Test Start: 2009.11.09 @ 16:53:00

GENERAL INFORMATION:

Formation: **LKC-"E-G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:55:00

Time Test Ended: 21:29:00

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: **3348.00 ft (KB) To 3384.00 ft (KB) (TVD)**

Reference Elevations: 1993.00 ft (KB)

Total Depth: 3384.00 ft (KB) (TVD)

1985.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8360 **Inside**

Press@RunDepth: 15.58 psig @ 3351.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2009.11.09 End Date: 2009.11.09

Last Calib.: 2009.11.09

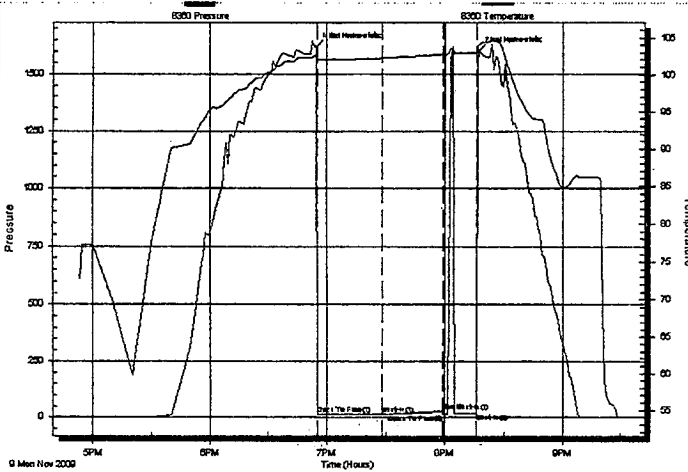
Start Time: 16:53:02 End Time: 21:29:00

Time On Btrr: 2009.11.09 @ 18:54:30

Time Off Btrr: 2009.11.09 @ 20:17:00

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

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1620.72	102.55	Initial Hydro-static
1	14.22	102.03	Open To Flow (1)
34	15.58	102.27	Shut-In(1)
65	27.58	102.76	End Shut-In(1)
65	15.66	102.76	Open To Flow(2)
82	16.94	103.05	Shut-In(2)
83	1600.78	103.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud W/Oil Specks	0.04

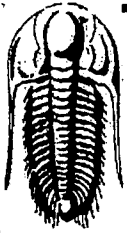
Gas Rates

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

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CONSERVATION DIVISION
WICHITA, KS



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mai Oil Operations, Inc.
 8411 Preston Road
 Suite 800
 Dallas, TX 75225-5520
 ATTN: Kitt Noah

Hildreth #3
1-18s-15w-Barton KS
 Job Ticket: 36709 DST#: 2
 Test Start: 2009.11.10 @ 11:39:02

GENERAL INFORMATION:

Formation: **LKC-"H-J"**
 Deviated: No Whipstock ft (KB)
 Time Tool Opened: 13:09:02
 Time Test Ended: 15:43:02

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

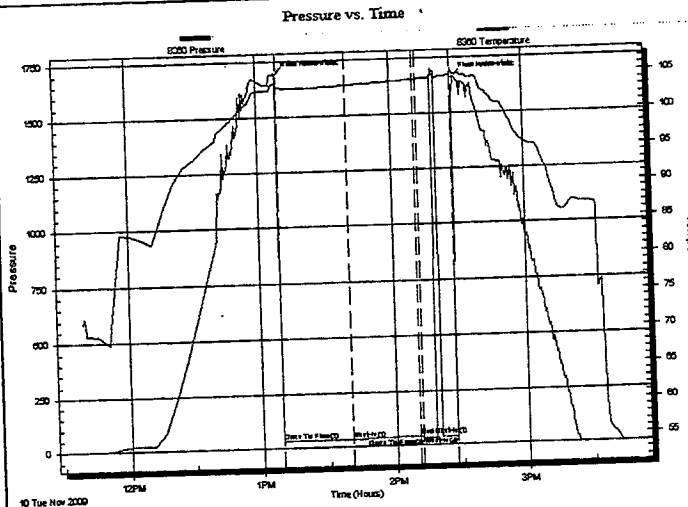
Interval: **3420.00 ft (KB) To 3490.00 ft (KB) (TVD)**
 Total Depth: 3490.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1993.00 ft (KB)
 1985.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8360 Inside
 Press@RunDepth: 34.22 psig @ 3457.00 ft (KB)
 Start Date: 2009.11.10 End Date: 2009.11.10
 Start Time: 11:39:04 End Time: 15:43:02

Capacity: 8000.00 psig
 Last Calib.: 2009.11.10
 Time On Btm: 2009.11.10 @ 13:08:32
 Time Off Btm: 2009.11.10 @ 14:28:32

TEST COMMENT: IFP-Weak Blow,Built to 1/4"
 IS-Dead
 FFP-Dead,Flush Tool,Still Dead,Pull Tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1692.66	104.08	Initial Hydro-static
1	32.58	103.45	Open To Flow (1)
32	34.22	103.70	Shut-In(1)
62	42.88	104.28	End Shut-In(1)
63	33.78	104.31	Open To Flow (2)
79	35.45	104.77	Shut-In(2)
80	1662.52	104.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud W/Oil Scum on Top	0.07

Gas Rates

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

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CONSERVATION DIVISION
 WICHITA, KS