

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Handwritten notes:
K
M
10/21/09

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 _____ 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>09/11/2009</u>	<u>09/18/2009</u>	<u>09/18/2009</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 009-25344-0000
Spot Description: 145' North
N2 SW SW SW Sec. 1 Twp. 18 S. R. 15 East West
A 475 Feet from North / South Line of Section
330 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Barton
Lease Name: Hildreth Well #: 2
Field Name: Wildcat

Producing Formation: Lansing
Elevation: Ground: 1995' Kelly Bushing: 2003'
Total Depth: 3629' Plug Back Total Depth: 3602'
Amount of Surface Pipe Set and Cemented at: 1029' 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: 86000 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: 10/21/2009
Subscribed and sworn to before me this 21 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
OCT 23 2009


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

KCC WICHITA

Operator Name: Mal oil Operations, Inc. Lease Name: Hildreth Well #: 2
 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: 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>1035'</td> <td>+968</td> </tr> <tr> <td>Topeka</td> <td>2996'</td> <td>-993</td> </tr> <tr> <td>Heebner</td> <td>3232'</td> <td>-1229</td> </tr> <tr> <td>Toronto</td> <td>3248'</td> <td>-1245</td> </tr> <tr> <td>Lansing</td> <td>3315'</td> <td>-1312</td> </tr> <tr> <td>Base Kansas City</td> <td>3526'</td> <td>-1523</td> </tr> <tr> <td>Arbuckle</td> <td>3588'</td> <td>-1585</td> </tr> </table>	Name	Top	Datum	Anhydrite	1035'	+968	Topeka	2996'	-993	Heebner	3232'	-1229	Toronto	3248'	-1245	Lansing	3315'	-1312	Base Kansas City	3526'	-1523	Arbuckle	3588'	-1585
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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#	1029'	60-40 POZ	375	2% Gel, 3% CC
Production	7 7/8"	5 1/2"	14#	3629'	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 (Amount and Kind of Material Used)	Depth
3	3476-80', 3462-67', 3383-86', 3378-80', 3370-73'	6000 gal 20% HCL	RECEIVED OCT 23 2009 KCC WICHITA

TUBING RECORD: Size: <u>2 7/8"</u> Set At: <u>3599'</u> Packer At: _____ Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or Enhr. <u>10/03/2009</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>50</u> Gas Mcf _____ Water Bbls. <u>20</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>3370-3480' OA</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

No. 3383

Date	9-12-09	Sec.	11	Twp.	18	Range	15	County	Barton	State	Ks	On Location	Finish	12:00	
Lease	Heldreth		Well No.	#2		Location									OLMITZ
Contractor	Southwind Oils #3					Owner									1/2 S E 1 S into
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.	1029		Charge To									MAX OL
Csg.	8 5/8 23"		Depth	1028		Street									
Tbg. Size			Depth			City									State
Drill Pipe			Depth			City									State
Tool			Depth			The above was done to satisfaction and supervision of owner agent or contractor.									
Cement Left in Csg.			Shoe Joint	41.39		CEMENT									
Press Max.			Minimum			Amount Ordered									375 x 6040 Por 2 1/2 Gal 306 CL
Meas Line			Displace	63.2 bbls		Common									225 @ 10 ⁰⁰
Perf.						Poz. Mix									150 @ 8 ⁰⁰
						Gel.									7 @ 17 ⁰⁰
						Calcium									12 @ 42 ⁰⁰
						Mills									
						Salt									
						Flowseal									
EQUIPMENT															
Pumptrk	5	No.	Cementor	JOE											
			Helper												
Bulktrk	7	No.	Driver	NEALIE											
			Driver												
Bulktrk	PI	No.	Driver	TODD											
			Driver												
JOB SERVICES & REMARKS															
Pumptrk Charge	Surface														
Mileage	15 @ 6 ⁰⁰														
Footage															
	Total														
Handling												394 @ 2 ⁰⁰			
Mileage												23 @ 15 ⁰⁰ for m. w			
Remarks:	Run 24 #1's 8 5/8 23" csg set @ 1028														
	Max 1 Pump 375 x 6040 Por														
	2 1/2 Gal 306 CL 14.7 gal 1.25 ft ³														
	SHUT DOWN Release Plug														
	DISP 63.2 bbls total														
	Plug down 500'														
	Close valves on Csg														
	Open cap thru JOB														
	Close Cap to Port														
	Thank Todd/JOE Neale														
	Jay Arner														
PLEASE CALL AGAIN															
HEAD & MAINFOLD (PI)															
	Rotating Head														
	Squeez Mainfold														
	AFU Inserts														
	8 5/8 GAFFLE												125 ⁰⁰		
	8 5/8 TOP Release Plug												102 ⁰⁰		
RECEIVED															
Tax													OCT 23 2009		
Discount															
Total Charge													KCC WICHITA		

X Signature

ALLIED CEMENTING CO., LLC. 037623

PO BOX 31
RUSSELL KANSAS 67665

SERVICE POINT:
Russell KS

DATE 9-18-09	SEC 1	TWP 18	RANGE 15	CALLED OUT	ON LOCATION	JOB START 9:15 pm	JOB FINISH 10:00 pm
LEASE Hildreth	WELL # 2		LOCATION Olmitz 1/2 South East into			COUNTY Barton	STATE KS
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Southwind #3				OWNER			
TYPE OF JOB Production string				CEMENT			
HOLE SIZE 7 7/8"		I.D. 3630'		AMOUNT ORDERED 160 40/40 10% salt 2% Bel 4%			
CASING SIZE 5 1/2"		DEPTH 3626.52'		1000 gal WFR-2			
TUBING SIZE		DEPTH					
DRILL PIPE		DEPTH					
TOOL		DEPTH					
PRES. MAX		MINIMUM		COMMON 9/6 @ 13.50 1296.00			
MEAS. LINE		SHOE JOINT 21.08'		POZ MIX 64 @ 7.55 483.20			
CEMENT LEFT IN CSG		21.08'		GEL 3 @ 20.25 60.75			
PERFS				CHLORIDE @			
DISPLACEMENT 87.97 Bbl				ASC @			

EQUIPMENT		Salt 7 @ 21.25 148.75		WFR-2 1000' Bel @ 1.10 1100.00	
PUMP TRUCK # 417 CEMENTER John Roberts		Flo Seal 405 @ 2.45 987.00		HANDLING 160 @ 2.25 360.00	
HELPER Matt				MILEAGE 110/50/mile 400.00	
BULK TRUCK # 378 DRIVER Chris				TOTAL 2846.20	
BULK TRUCK #					
DRIVER					

REMARKS:
 Est. Circulation & Circulate **45 min.** on bottom
 Insert @ **36.05'** Plug Rathole w/ **30 sk** cement. Mix **1000 gal WFR-2** Mix **130 sk** cement. Wash cement line clean. Displace w/ **87.97 Bbl H₂O**.
 Land plug @ **1500 psi**.
 Float Held!
 Thank You!

CHARGE TO: **Mar Oil Operations**
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE	
DEPTH OF JOB	
PUMP TRUCK CHARGE	991.00
EXTRA FOOTAGE	@
MILEAGE 25	7.00 175.00
MANIFOLD	@
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PLUG & FLOAT EQUIPMENT	
Larson 5 1/2" AFU Float Shoe	@ 101.00
Larson 5 1/2" Latch Down	@ 164.00
8-Weatherford Turbolicizers	@ 42.00 336.00
	@
	@
TOTAL 1166.00	

To Allied Cementing Co., LLC
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do the work.



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Operations Inc.
8411 Preston RD STE 800
Dallas TX 75225
ATTN: Kit Noah

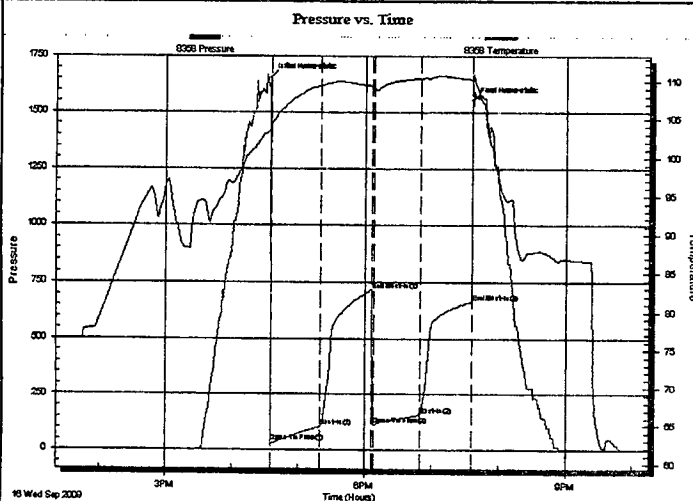
Hildreth #2
1 18s 15w Barton KS
Job Ticket: 35112 **DST#: 1**
Test Start: 2009.09.16 @ 13:44:37

GENERAL INFORMATION:

Formation: **LKC "E-F"**
Deviated: No Whipstock ft (KB)
Time Tool Opened: 16:34:52
Time Test Ended: 21:50:52
Interval: **3366.00 ft (KB) To 3394.00 ft (KB) (TVD)**
Total Depth: 3394.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Kevin Taylor
Unit No: 31
Reference Elevations: 2003.00 ft (KB)
1995.00 ft (CF)
KB to GRVCF: 8.00 ft

Serial #: 8358 **Inside**
Press@RunDepth: 157.28 psig @ 3367.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2009.09.16 End Date: 2009.09.16 Last Calib.: 2009.09.16
Start Time: 13:44:42 End Time: 21:50:51 Time On Btmr: 2009.09.16 @ 16:34:37
Time Off Btmr: 2009.09.16 @ 19:36:37

TEST COMMENT: I.F. Strong Blow B.O.B. 90 Sec.
I.S.I. Bled Off 5 Min Strong Blow B.O.B. 13 Min
F.F. Strong Blow B.O.B. 20 Secd Gas To Surface (TSTM)
F.S.I. Bled Off 5 Min Strong Blow B.O.B. 13 Min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1655.34	103.67	Initial Hydro-static
1	34.68	103.95	Open To Flow (1)
46	105.07	109.45	Shut-In(1)
92	718.23	109.41	End Shut-In(1)
93	114.75	109.43	Open To Flow (2)
135	157.28	110.41	Shut-In(2)
182	665.26	110.28	End Shut-In(2)
182	1553.51	110.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	MGO 60%G 30%O 10%M	0.91
124.00	MGO 30%G 60%O 10%M	1.81
124.00	MGO 50%G 45%O 5%M	1.81
62.00	MGO 20%G 60%O 10%M	0.91
62.00	MGO 5%G 70%O 25%M	0.91

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.
8411 Preston RD STE 800
Dallas TX 75225
ATTN: Kit Noah

Hildreth #2
1 18s 15w Barton KS
Job Ticket: 35113 **DST#: 2**
Test Start: 2009.09.17 @ 09:19:51

GENERAL INFORMATION:

Formation: **LKC "H - J"**
Deviated: **No Whipstock** ft (KB)
Time Tool Opened: 11:13:14
Time Test Ended: 18:20:29

Test Type: **Conventional Bottom Hole**
Tester: **Kevin Taylor**
Unit No: **31**

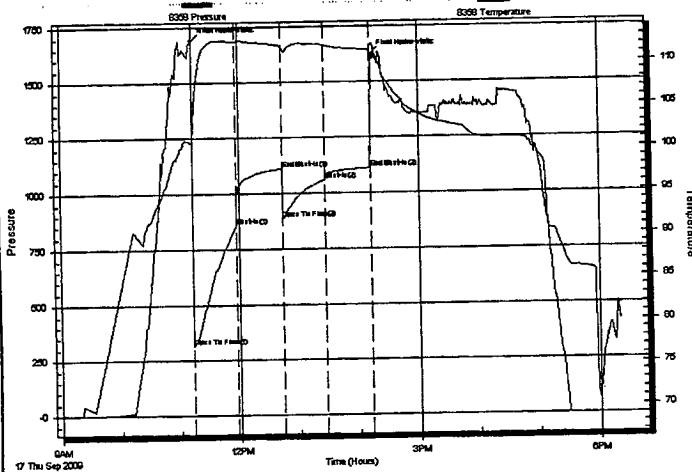
Interval: **3436.00 ft (KB) To 3497.00 ft (KB) (TVD)**
Total Depth: **3394.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2003.00 ft (KB)**
1995.00 ft (CF)
KB to GR/CF: **8.00 ft**

Serial #: 8358 **Inside**
Press@RunDepth: **1056.91 psig @ 3437.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2009.09.17** End Date: **2009.09.17** Last Calib.: **2009.09.17**
Start Time: **09:19:56** End Time: **18:20:28** Time On Btm: **2009.09.17 @ 11:12:59**
Time Off Btm: **2009.09.17 @ 14:13:58**

TEST COMMENT: IF Strong Blow BOB 30Sec Gas-Surface 28Mn (TSTM)
ISI Bled Off 5Mn (Forgot 2 Open .25" Blow Line Valve Checked Blow Back Bled Off 5Mn B/4 Opening)
FF Strong Blow BOB Immediately Gas 2 Surface (TSTM)

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1689.82	100.70	Initial Hydro-static
1	316.91	100.43	Open To Flow (1)
44	854.43	112.42	Shut-In(1)
91	1109.91	111.93	End Shut-In(1)
91	887.25	111.82	Open To Flow (2)
134	1056.91	112.02	Shut-In(2)
180	1112.72	111.37	End Shut-In(2)
181	1622.84	112.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	MJD GSY OIL 15%G 65%O 20%M	0.91
62.00	MJDY GSY CT OIL 15%G 70%O 15%M	0.91
2791.00	CLN GSY OIL 10%G 90%O	40.82
62.00	SLT MD CT GSY OIL 17%G 68%O 15%M	0.91
62.00	MD CT GSY OIL 20%G 5%O 75%M	0.91

Gas Rates

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

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