

ORIGINAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
October 2008  
Form Must Be Typed

1-29-12

CONFIDENTIAL

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33599  
Name: Barline Oil, LLC  
Address 1: 7804 E. Funston, Suite 216  
Address 2: 2103 Dalton  
City: Wichita State: KS Zip: 67207  
Contact Person: Bill Ree  
Phone: (316) 833-3556 cell

CONTRACTOR: License # 31548  
Name: Discovery Drilling  
Wellsite Geologist: Bill Ree  
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

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.: \_\_\_\_\_  
11/21/09 11/27/09 1/14/10  
Spud Date or \_\_\_\_\_ Date Reached TD \_\_\_\_\_ Completion Date or  
Recompletion Date \_\_\_\_\_ Recompletion Date \_\_\_\_\_

API No. 15 - 141-20407-00-00  
Spot Description: W/2 SW SW  
\_\_\_\_\_ Sec. 27 Twp. 8 S. R. 13  East  West  
660 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: Osborne  
Lease Name: Becker "A" Well #: 1  
Field Name: Weston Stockade  
Producing Formation: Lansing  
Elevation: Ground: 1683 Kelly Bushing: 1691  
Total Depth: 3735 Plug Back Total Depth: 3655  
Amount of Surface Pipe Set and Cemented at: 223' Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: N/A Feet  
If Alternate II completion, cement circulated from: 895'  
feet depth to: Surface w/ 150 SX sx cmt.

Drilling Fluid Management Plan AK II UJ3-24-10  
(Data must be collected from the Reserve Pit)  
Chloride content: 16,000 ppm Fluid volume: 160 bbls  
Dewatering method used: Hauled free fluids  
Location of fluid disposal if hauled offsite:  
Operator Name: Mai Oil Operations, Inc.  
Lease Name: R. Mai #1(SWD) License No.: 5259  
Quarter SE Sec. 22 Twp. 13 S. R. 14  East  West  
County: Russell Docket No.: D-20,813

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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: Bill Ree  
Title: Manager Date: 1/29/10  
Subscribed and sworn to before me this 29<sup>th</sup> day of January  
20 10  
Notary Public: Monica VanCuren  
Date Commission Expires: 05/23/12

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

MONICA VANCUREN  
Notary Public - State of Kansas  
My Appt. Expires 05/23/12

Tubing Swab. 1<sup>st</sup> pull- fluid at 450'- 100' oil on top then water. 2<sup>nd</sup> pull- fluid at 1200'- water with a show of oil. 3<sup>rd</sup> pull- 1700'- Same with little better show of oil at the end. 4<sup>th</sup> pull- 1700'- same. 5<sup>th</sup> pull- 1800', mostly water- 2% oil. 6<sup>th</sup> pull- 2000'- same. Shut down for 20 minutes to warm up. Went back to swabbing steady. 1<sup>st</sup> pull- fluid at 1000'- 2% oil. Swabbed steady for 45 minutes- 5 pulls. Got fluid Down to 2000' again. 2% oil. 1<sup>st</sup> hour we swabbed back 30.47 Bbl. 2<sup>nd</sup> 45 minutes- swabbed back 24.21 Bbl.

12-15-09 Ran swab- Fluid at 500' from surface- 3200' fill up, 250' oil- 8%. Hooked to Tubing and took Injection Rate- little less then 1 BPM at 1700#. Decision made to spot cement. Released Packer and ran 1 joints of Tubing to 3689'. Mixed and spotted 25 sxs. Common Cement. Pulled up to 3497' and circulated the hole clean. Pulled 1 joint to 3464' and set Packer. Pressured the backside to 500#. Squeezed to 2500#. Held solid and released pressure and did not come back. Released Packer and pulled Tubing and Packer. W.O.C.

12-16-09 Swabbed Casing down to 2430'. Perforated the "B" zone from 2936' to 2943' with 4 shots per foot Expendables. Ran 5 1/2" Packer on 2 3/8" Upset Tubing. Left Packer swinging at 2920'. Ran swab and fluid at 2400'. 50' Muddy Oil on top. Ran down to spot acid. Tagged fluid and spotted 500 gal. 15% Mud Acid. Pulled up and set Packer at 2890'. Loaded just right. Stagged in 1 Bbl. At 200#. Another 1/2 Bbl. At 300#. Another 1/2 Bbl. At 400#. Began feeding at .25 BPM at 425# to 375# with 4 Bbl. In. Increased to .5 BPM at 425# with 9 Bbl. In and then slowly went to 475# by the time all 12 Bbl. Acid in formation. Went 1 Bbl. Over and pressure went to 500#. ISIP- 475#. 5 min.- 375#. 10 min.- 325#, 15 min.- 300#. Released pressure and got back .25 Bbl. Total Load- 25.5 Bbl. Swab Down- 14.19 Bbl. 1<sup>st</sup> 15 min.- 150' fluid, 80% oil. 1<sup>st</sup> hour- 4.59 Bbl., 86% oil. 2<sup>nd</sup> hour- 3.34 Bbl., 95% oil.

12-17-09 Ran swab and fluid 30' from the surface. 2900' fill up. Swab Down- 11.59 Bbl., 98% oil. Put on 4-15 min. pulls- 1<sup>st</sup> hour- 2.5 Bbl., 98% oil. 2<sup>nd</sup> hour- Same. Treated with 1250 gal. 15% NE Acid. Loaded 1/4 Bbl. Late. Started at .5 BPM at 300# until 6 Bbl. Out. Increased to .75 BPM at 375# till 14 Bbl. Out. Increased to 1 BPM at 400# until 18 Bbl. Out and broke slowly back to 375#. Overflushed 10 Bbl. Went to 425# on overflush. Total Load- 52.5 Bbl. ISIP- 400#. 5 min.- 350#. 30 min.- 150#. Released pressure and swabbed well down. Swab Down- 41.75 Bbl. Put on 4-15 min. pulls. 1<sup>st</sup> hour- 20.89 Bbl. 98% oil. 2<sup>nd</sup> hour- 20.45 Bbl., 98% oil.

12-18-09 Opened well head and well started flowing. Put 50 Bbl. Salt water down the backside. Released Packer and let tubing settle down. Put 20 Bbl. Salt water down Tubing. Pulled Tubing and Packer. Ran 15' Mud Anchor, 1.1' Seating Nipple, and 109 joints- 3494.98'- 2 3/8" Upset Tubing. Ran 2" X 1 1/2" X 12' Metal to Metal Insert Pump on 138- 3450'- 3/4" New Sucker Rods with 1-6' and 1-8' Pony on top. Hooked up well head and tore down and moved off.

**BECKER "A" #1**  
W/2 OF SW/4 OF SW/4  
Section 27-8S-13W  
Osborne County, Kansas

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COMPLETION

- 12-07-09 L-K Wireline on location with Portable Mast to run Correlation/Bond Log. Loggers TD- 3699'. Top of good cement 2410'. Bottom might have taken some cement. Does not look real good from 3670' to 3687'. Fracture might have taken some cement.
- 12-11-09 Moved in Express Well Service Double Drum and rigged up. Ran Port Collar Opener on 2 3/8" Upset Tubing. Located Port Collar at 894'. Pressured Casing to 700# and held Solid. Opened Port Collar and had circulation. Started mixing Cement and got about 7 Bbl. Mixed when pressure went to 3500#. Released pressure and went back up to 3500#. Closed Port Collar and pressured up to 600# and it was fine. Circulated the hole clean. Tubing was not plugged. Plugged in a valve or the pump truck. Opened the Port Collar again and tried to mix cement but the mixing pump was messed up. Closed Port Collar and circulated hole clean and circulated Salt Water so well head would not freeze. Waited on new pump truck and had to find Fresh Water. Finally got back to pumping 3 hours later. Mixed 125 sxs. 60/40 Poz, 6% Gel and 1/4# Flo-Seal per sxs. Cement circulated. Closed Port Collar and pressured to 600# and it held. Released pressure and ran 5 joints and circulated the hole clean. Pulled 6 joints of Tubing and shut down. Ray Dinkel with KCC on location to witness- Had to leave before job was done. Also, Allied will credit 4 hours of rig time on the bill.
- 12-12-09 Pulled Tubing and Opener. Swabbed Casing down to 3175'. Perforated the Arbuckle from 3683' to 3687' with 4 shots per foot Expendables. Had a show of Oil, Mud and Cement in Gun. Ran Casing Swab- Fluid at 2800'- 375' fill up in 20 minutes. Show of oil and reddish pieces. 2<sup>nd</sup> pull- 2850', Better show of oil and lots of drilling mud. 3<sup>rd</sup> pull- 2950', lots of mud with better show. 4<sup>th</sup> pull- 3000', Better show, but still a lot of mud. 5<sup>th</sup> pull- 3100', same. 6<sup>th</sup> pull- 3150'- quite a bit of red in this sample- with mud. 7<sup>th</sup>- 3200'- still muddy looking. 8<sup>th</sup> pull- 3250', cleaning up a little. 9<sup>th</sup> pull- 3300', same. 10<sup>th</sup> pull- 3350', about the same. Not clean enough to catch a sample- Still some water on the end. Total Swabbed- 65 Bbl.
- 12-13-09 Shut Down.
- 12-14-09 Ran Casing Swab- fluid at 500' from surface. 3200' fill up. Made a 250' pull- all oil. Caught oil sample. Ran Sand Pump 3 times- first two times water, cement, and mud. 3<sup>rd</sup> time- water only. Ran 5 1/2" Packer on 2 3/8" Upset Tubing. Set Packer at 3659'. ( Rabbit every joints and ice on inside of Tubing- Very Cold). Rigged up

Operator Name: Barline Oil, LLC Lease Name: Becker "A" Well #: 1  
 Sec. 27 Twp. 8 S. R. 13  East  West County: Osborne

**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 (Attach Additional Sheets)  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input 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 (Submit Copy)  List All E. Logs Run: <b>CNL/CDL DIL/MEL Sonic</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum  See attached geol. log, E/Logs, DST, etc.  <div style="text-align: right;"> <b>CONFIDENTIAL</b>                      JAN 29 2010  <b>KCC</b> </div>
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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#	223	Common	150	2% gel & 3% cc
Production	7 7/8	5 1/2	14#	3732	Common	205	10% salt

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Plug Back TD	3655-89	Common	25	Sqz

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)
4	3683-87	Sqz W/25 Sx common
4	2936-43	A/500 Mud acid Reacid/1250 NE Acid

TUBING RECORD: Size: 2 3/8 Set At: 3495 Packer At: N/A Liner Run:  Yes  No

Date of First, Resumed Production, SWD or Enhr. 1/14/10 Producing Method:  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil <u>55</u> Bbls.	Gas <u>N/A</u> Mcf	Water <u>15</u> Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	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>2936-43</u>
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# ALLIED CEMENTING CO., LLC. 038560

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

SERVICE POINT: Russell

DATE <u>11-21-09</u>	SEC. <u>27</u>	TWP. <u>8S</u>	RANGE <u>15</u>	CALLED OUT	ON LOCATION	JOB START <u>2:00 pm</u>	JOB FINISH <u>2:45 pm</u>
LEASE <u>Becker</u>	WELL # <u>A #1</u>	LOCATION <u>Colvert 4N 1E</u>			COUNTY <u>Osborne</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)		Sitta					

CONTRACTOR <u>Discovery Drilling Rig #2</u>	OWNER
TYPE OF JOB <u>Surface Job</u>	CEMENT
HOLE SIZE <u>12 1/4</u> T.D. <u>223</u>	AMOUNT ORDERED <u>160 Com 32cc</u>
CASING SIZE <u>5 5/8</u> DEPTH <u>223, 13</u>	<u>29.6el</u>
TUBING SIZE DEPTH	
DRILL PIPE DEPTH	
TOOL DEPTH	
PRES. MAX MINIMUM	COMMON <u>160</u> @ <u>13.50</u> <u>2160.00</u>
MEAS. LINE SHOE JOINT	POZMIX @
CEMENT LEFT IN CSG. <u>15'</u>	GEL <u>3</u> @ <u>20.25</u> <u>60.75</u>
PERFS.	CHLORIDE <u>5</u> @ <u>51.50</u> <u>257.50</u>
DISPLACEMENT <u>13,25661</u>	ASC @

**EQUIPMENT**

PUMP TRUCK CEMENTER Shane

# 398 HELPER Galen

BULK TRUCK

# 344-170 DRIVER Alvin

BULK TRUCK

# DRIVER

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HANDLING <u>160</u> @ <u>2.25</u> <u>360.00</u>
MILEAGE <u>110/16/mile</u> <u>480.00</u>
<b>TOTAL</b> <u>3318.25</u>

**REMARKS:**

Ran 223.13 of Surface Job

Cement Circ!

CHARGE TO: Barline Oil, LLC

STREET

CITY STATE ZIP

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DEPTH OF JOB	
PUMP TRUCK CHARGE	<u>991.00</u>
EXTRA FOOTAGE @	
MILEAGE <u>30</u> @ <u>7.00</u> <u>210.00</u>	
MANIFOLD @	
<b>TOTAL</b> <u>1201.00</u>	

**PLUG & FLOAT EQUIPMENT**

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 work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Thomas

SIGNATURE Thomas

SALES TAX (If Any)	
TOTAL CHARGES <u>3318.25</u>	
DISCOUNT <u>0</u>	IF PAID IN 30 DAYS
<b>TOTAL</b>	

# ALLIED CEMENTING CO., LLC. 33665

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

SERVICE POINT:

Russell KS

DATE <u>11-28-09</u>	SEC. <u>27</u>	TWP. <u>8</u>	RANGE <u>13</u>	CALLED OUT	ON LOCATION	JOB START <u>11:00am</u>	JOB FINISH <u>11:45am</u>	
LEASE <u>Becker "A"</u>		WELL # <u>1</u>	LOCATION <u>Covert KS 4 North 1 East</u>		COUNTY <u>Osborne</u>	STATE <u>KS</u>		
OLD OR <u>(NEW)</u> (Circle one)			<u>South into</u>					

CONTRACTOR <u>Discovery Drilling #2</u>	OWNER
TYPE OF JOB <u>Production String</u>	
HOLE SIZE <u>7 1/8</u>	T.D. <u>3735</u>
CASING SIZE <u>5 1/2 14 #</u>	DEPTH <u>3735.77 set @ 3733</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL <u>Port collar</u>	DEPTH <u>895'</u>
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>31.35'</u>
CEMENT LEFT IN CSG. <u>31.35'</u>	
PERFS.	
DISPLACEMENT <u>90.39 Bbl</u>	
EQUIPMENT	
PUMP TRUCK CEMENTER <u>John Roberts</u>	
# <u>417</u>	HELPER <u>Matt</u>
BULK TRUCK	
# <u>410</u>	DRIVER <u>Shane</u>
BULK TRUCK	
#	DRIVER

CEMENT	AMOUNT ORDERED	<u>250 sk Com 10% Salt</u>
		<u>500 gal WFR-2</u>
COMMON	<u>250 @ 13<sup>00</sup></u>	<u>3375<sup>00</sup></u>
POZMIX	@	
GEL	@	
CHLORIDE	@	
ASC	@	
SALT	<u>23 @ 21<sup>25</sup></u>	<u>488<sup>75</sup></u>
WFR-2	<u>500 @ 1<sup>25</sup></u>	<u>625<sup>00</sup></u>
	@	
	@	
	@	
	@	
	@	
HANDLING	<u>250 @ 2<sup>25</sup></u>	<u>562<sup>50</sup></u>
MILEAGE		<u>750<sup>00</sup></u>
		<u>TOTAL 5801<sup>25</sup></u>

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REMARKS:

Ran 89jt @ 3733' 2' off bottom. Circulate 30 min to condition hole. Mixed 500 gal WFR-2 Plug Ratnote 30sk and mouse hole w/ 15sk. Mix 205sk com 10% salt Displace plug w/ 90.31 Bbl H2O Land plug @ 1300psi Float Did Hold.

Thank You!

CHARGE TO: Barline Oil  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE		<u>1957<sup>00</sup></u>
EXTRA FOOTAGE	@	
MILEAGE	@	
MANIFOLD	<u>30 @ 7</u>	<u>210<sup>00</sup></u>
	@	
	@	
	@	
		<u>TOTAL 2167<sup>00</sup></u>

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5 1/2 PLUG & FLOAT EQUIPMENT

3-Cement Baskets	<u>231<sup>00</sup></u>	<u>693<sup>00</sup></u>
7-Centralizers	@ <u>46<sup>00</sup></u>	<u>322<sup>00</sup></u>
Port Collar	@ <u>1400<sup>00</sup></u>	<u>1400<sup>00</sup></u>
Guide Shoe	@ <u>146<sup>00</sup></u>	<u>146<sup>00</sup></u>
AFU Insert	@ <u>161<sup>00</sup></u>	<u>161<sup>00</sup></u>
	@	
		<u>TOTAL 2722<sup>00</sup></u>

SALES TAX (If Any) \_\_\_\_\_  
TOTAL CHARGES \_\_\_\_\_  
DISCOUNT ~~\_\_\_\_\_~~ IF PAID IN 30 DAYS

PRINTED NAME Terry W. Piesker  
SIGNATURE Terry W. Piesker

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 work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.