

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) 483-1676
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.: _____
1-31-2010 2-06-2010 2-06-2010
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 009-25384-0000
Spot Description: 80' North and 70' West
C N/2 S/2 NE Sec. 30 Twp. 17 S. R. 14 East West
1570 Feet from North / South Line of Section
1390 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Barton
Lease Name: Maneth-McCurry Unit Well #: 1
Field Name: Wildcat
Producing Formation: Arbuckle
Elevation: Ground: 1921' Kelly Bushing: 1929'
Total Depth: 3488' Plug Back Total Depth: 3464
Amount of Surface Pipe Set and Cemented at: 918' 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/ _____

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 39000 ppm Fluid volume: 200 bbls
Dewatering method used: Let dry and backfill
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

AIK-Dlg - 5/25/10
sx cmpl

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: 05/13/2010
Subscribed and sworn to before me this 20 day of May
20 10.
Notary Public: Lori Crathorne
Date Commission Expires: 7-7-2010

NOTARY PUBLIC - State of Kansas
LORI CRATHORNE
My Appt. Expires 7-7-2010

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

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Operator Name: Mai Oil Operations, Inc. Lease Name: Maneth-McCurry Unit Well #: 1
 Sec. 30 Twp. 17 S. R. 14 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>923'</td> <td>+1006</td> </tr> <tr> <td>Topeka</td> <td>2874'</td> <td>-945</td> </tr> <tr> <td>Heebner</td> <td>3110'</td> <td>-1181</td> </tr> <tr> <td>Toronto</td> <td>3122'</td> <td>-1193</td> </tr> <tr> <td>Lansing</td> <td>3186'</td> <td>-1257</td> </tr> <tr> <td>Base Kansas City</td> <td>3402'</td> <td>-1473</td> </tr> <tr> <td>Arbuckle</td> <td>3422'</td> <td>-1493</td> </tr> </table>	Name	Top	Datum	Anhydrite	923'	+1006	Topeka	2874'	-945	Heebner	3110'	-1181	Toronto	3122'	-1193	Lansing	3186'	-1257	Base Kansas City	3402'	-1473	Arbuckle	3422'	-1493
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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#	918'	60-40 POZ	375	2%Gel, 3%CC
Production	7 7/8"	5 1/2"	14#	3487'	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
4	3430-34'	250 gal 15% HCL	
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TUBING RECORD: Size: <u>2 7/8"</u> Set At: <u>3460</u> Packer At: _____ Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or Enhr. <u>04/05/2010</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	Oil Bbls. <u>10</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>3430-34'</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. 3722

Date	Sec.	Twp.	Range	County	State	On Location	Finish
2-1-10	30	17	14	Barton	Kansas		2:45 PM
Lease	Well No.		Location				
McCurry	1		Hwy 2819 R-4 30 W 1/4 W 4S				
Contractor				Owner			
Southward Drilling Rig 3				To Quality Oilwell Cementing, Inc.			
Type Job				You are hereby requested to rent cementing equipment and furnish			
Surface				cementer and helper to assist owner or contractor to do work as listed.			
Hole Size		T.D.		Charge To			
12 3/4		918		Mai Oil Operations			
Csg.		Depth		Street			
8 3/8 23 1/2		918					
Tbg. Size		Depth		City			
				State			
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg.		Shoe Joint		CEMENT			
42'							
Meas Line		Displace					
		55 3/4 Bbl					

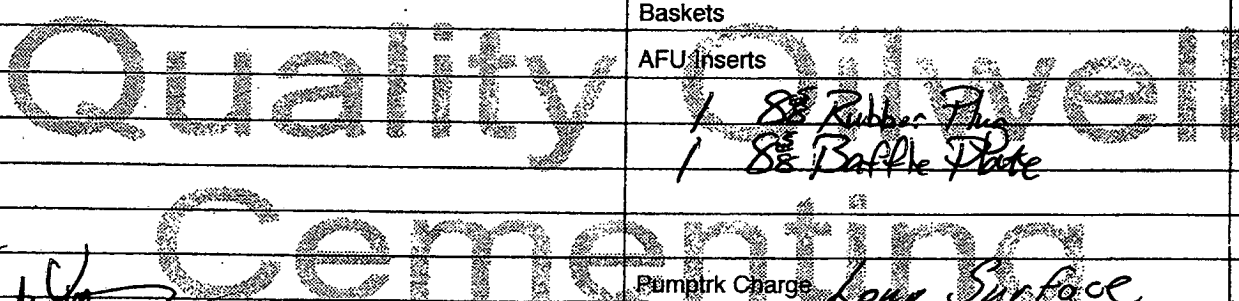
EQUIPMENT			Amount Ordered
Pumptrk	No.	Cementor	350 60/10 300 2 1/2 bbl
1		Helper	Common
Bulktrk	No.	Driver	Poz. Mix
11		Driver	Gel.
Bulktrk	No.	Driver	Calcium
		Driver	Hulls

JOB SERVICES & REMARKS

Remarks: Cement did Circulate

Handling	
Mileage	
Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
	1 8 3/8 Rubber Plug
	1 8 3/8 Baffle Plate
Pumptrk Charge	from Surface
Mileage	27

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Thank You

Signature: *Allen B...*

Tax	
Discount	
Total Charge	

ALLIED CEMENTING CO., LLC. 036333

P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Russell

DATE <i>2-6-10</i>	SEC. <i>30</i>	TWP. <i>17</i>	RANGE <i>14</i>	CALLED OUT	ON LOCATION	JOB START <i>5:30 p.m.</i>	JOB FINISH <i>6:00 p.m.</i>
LEASE <i>Maneth unit</i>	WELL # <i>1</i>	LOCATION <i>Hay 4 #218 Set,</i>			COUNTY <i>Barton</i>	STATE <i>Ks</i>	
OLD OR NEW (Circle one)		<i>3w 1N 1/2w Sinto</i>					

CONTRACTOR *Southwind Drilling Ry #3*
 TYPE OF JOB *Production String*
 HOLE SIZE *7 7/8* T.D. *3488*
 CASING SIZE *5 1/2 14"* DEPTH *3491*
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX *1300 psi* MINIMUM _____
 MEAS. LINE _____ SHOE JOINT *20.56*
 CEMENT LEFT IN CSG. *20.56*
 PERES _____
 DISPLACEMENT *89,68 bbl*

EQUIPMENT

PUMP TRUCK CEMENTER *Shane*
 # *417* HELPER *Matt*
 BULK TRUCK _____
 # *378* DRIVER *Ron B.*
 BULK TRUCK _____
 # _____ DRIVER _____

REMARKS:

Pipe Set @ 3487'
Ret. Hole 30 sks
Pipe on bottom Est. Circulation
Insert @ 3470.44
Examined Pfy @ 1300 psi
Float Held

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

OWNER

CEMENT

AMOUNT ORDERED *156 60/100 10.8 Salt*
2.8 Gal 1/4 # P/L Seal
1000 Gal WKR-2

COMMON	<i>90</i>	@ <i>13.50</i>	<i>1215.00</i>
POZMIX	<i>60</i>	@ <i>7.50</i>	<i>450.00</i>
GEL	<i>3</i>	@ <i>20.00</i>	<i>60.00</i>
CHLORIDE		@	
ASC		@	
<i>Flo Seal</i>	<i>38 lbs</i>	@ <i>2.45</i>	<i>93.10</i>
<i>Salt</i>	<i>6</i>	@ <i>21.25</i>	<i>127.50</i>
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<i>150</i>	@ <i>2.25</i>	<i>337.50</i>
MILEAGE	<i>10/11 mi</i>		<i>300.00</i>
TOTAL			<i>2579.80</i>

SERVICE

DEPTH OF JOB	<i>6</i>		
PUMP TRUCK CHARGE			
EXTRA FOOTAGE		@	<i>19.57.00</i>
MILEAGE	<i>15</i>	@ <i>7.00</i>	<i>105.00</i>
MANIFOLD		@	
		@	
		@	

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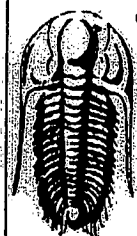
TOTAL *2062.00*

KCC WICHITA PLUG & FLOAT EQUIPMENT

		@	
<i>AFU - Float Shoe</i>		@	<i>101.00</i>
<i>8 - Turb.izers</i>		@ <i>42.00</i>	<i>336.00</i>
<i>Catchdown</i>		@	<i>167.00</i>
		@	

Thanks!

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mai Oil Operations

Maneth-McCurry #1

PO Box 33
Russell, KS 67665

30-17s-14w Barton KS

ATTN: Kitt Noah

Job Ticket: 38075

DST#: 1

Test Start: 2010.02.05 @ 13:30:41

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:58:11

Time Test Ended: 20:33:41

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 44

Interval: **3398.00 ft (KB) To 3435.00 ft (KB) (TVD)**

Total Depth: 3435.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1922.00 ft (KB)

1914.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: **6669**

Inside

Press@RunDepth: 61.03 psig @ 3402.00 ft (KB)

Start Date: 2010.02.05

End Date:

2010.02.05

Start Time: 13:30:42

End Time:

20:33:41

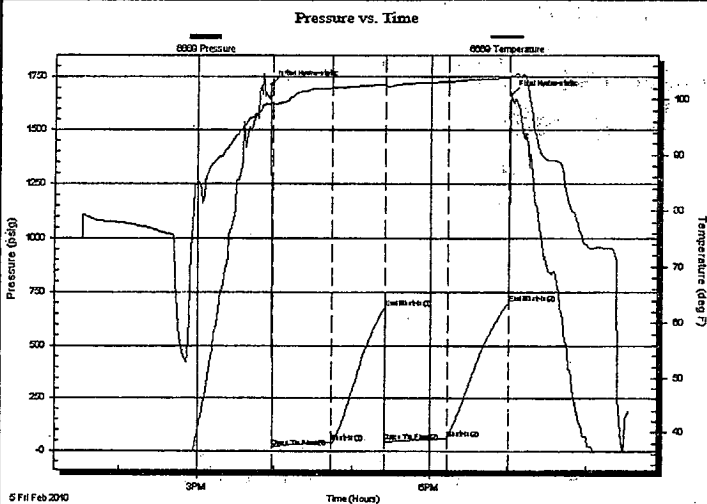
Capacity: 8000.00 psig

Last Calib.: 2010.02.05

Time On Btm: 2010.02.05 @ 15:57:11

Time Off Btm: 2010.02.05 @ 19:01:41

TEST COMMENT: IFP-BOB in 29 min
ISI-weak surface blow back died in 11 min
FP-BOB in 36 min
FSI-no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
.0	1712.41	99.45	Initial Hydro-static
1	17.84	99.12	Open To Flow (1)
47	41.34	102.07	Shut-In (1)
88	676.42	102.71	End Shut-In (1)
88	45.21	102.44	Open To Flow (2)
136	61.03	103.19	Shut-In (2)
183	700.80	103.90	End Shut-In (2)
185	1666.61	104.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
105.00	MCO 70%O,30%M	1.49
5.00	CO	0.07
0.00	130' GIP	0.00

Gas Rates

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

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