

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) 483-2169
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 _____ SIOW _____
_____ 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.: _____
09/19/2009 09/27/2009 09/27/2009
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 009-25343-0000
Spot Description: 90" South & 40' East
_____ SW _____ NW _____ SW Sec. 28 Twp. 17 S. R. 15 ☐ East ☒ West
1580 Feet from ☐ North / ☒ South Line of Section
370 Feet from ☐ East / ☒ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☒ SW
County: Barton
Lease Name: Stoss-Neeland Well #: 1
Field Name: Wildcat
Producing Formation: N/A
Elevation: Ground: 2005' Kelly Bushing: 2013'
Total Depth: 3582' Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 1031' 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 P+A A+I NR
(Data must be collected from the Reserve Pit) 11-9-09
Chloride content: 78000 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 20 day of October,
2009.
Notary Public: [Signature]
Date Commission Expires: August 14, 2011

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

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: Stoss-Neeland Well #: 1
 Sec. 28 Twp. 17 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 ☒ Yes ☐ No
 (Attach Additional Sheets)

Samples Sent to Geological Survey ☒ Yes ☐ No

Cores Taken ☐ Yes ☒ No

Electric Log Run ☐ Yes ☒ No
 (Submit Copy)

List All E. Logs Run:

☐ Log Formation (Top), Depth and Datum ☒ Sample

Name	Top	Datum
Anhydrite	1048'	+965
Topeka	3017'	-941
Heebner	3250'	-1237
Toronto	3264'	-1251
Lansing	3311'	-1298
Base Kansas City	3542'	-1530
Arbuckle	3582'	-1545

CASING RECORD ☒ New ☐ 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#	1031'	60-40 POZ	350	2% Gel, 3% CC

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
____ Perforate				
____ Protect Casing				
____ Plug Back TD				
____ 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

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TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: ☐ Yes ☐ No
Date of First, Resumed Production, SWD or Enhr.	Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled ☐ Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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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. 3387

Date	9-20-09	Sec.	26	Twp.	17	Range	15	County	Barton	State	Ks	On Location		Finish	12:00 PM
Lease	STOSS-NEELAND			Well No.	#1			Location	OLMETZ BRK TOP & HWY 4						
Contractor	Sathwano Delg #3							Owner	3W 1/2 N E 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.		1031		Charge To								
Csg.	8 5/8		Depth		1031		MAB OIL								
Tbg. Size			Depth				Street								
Drill Pipe			Depth				City								
Tool			Depth				State								
Cement Left in Csg.			Shoe Joint		42.54		The above was done to satisfaction and supervision of owner agent or contractor.								
Press Max.			Minimum				Amount Ordered								
Meas Line			Displace		63.26 bbls		CEMENT 6040 lbz 350 x Common 2 1/2 bbl 3 1/2 CL								
Perf.							Common								
							Poz. Mix								
							Gel.								

EQUIPMENT			
Pumptrk	5	No.	Cementer
			Helper
Bulktrk	4	No.	Driver
			Driver
Bulktrk	PV	No.	Driver
			Driver

JOB SERVICES & REMARKS	
Pumptrk Charge	SURFACE
Mileage	
Footage	
Total	

Remarks:
Run 24 H's 8 5/8 23 *CSG
MEX 1 Pump 350 x 6040 lbz
2 1/2 bbl 3 1/2 CL
1 1/2 bbl 14.7 bbl
SHUT DOWN Release Plug
Disp 63.26 bbls total
Orig Value on CS 5000
Good Oils thru JCS
CPL OUT TO PIT

Thank You Joe & Doug
Signature Joe Jones

Calcium
Mills
Salt
Flowseal
Handling
Mileage
Pump Truck Charge
FLOAT EQUIPMENT
Guide Shoe
Centralizer
Baskets
AFU Inserts
1 8 5/8 Baffle
1 8 5/8 Top Rubber Plug
8 5/8 HEAVY MANIFOLD (P)
Rotating Head
Squeeze Mainfold

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PLEASE CALL AGAIN

ALLIED CEMENTING CO., LLC. 037642

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

SERVICE POINT:

Cement Bend

DATE <u>9-27-09</u>	SEC. <u>28</u>	TWP. <u>17</u>	RANGE <u>15</u>	CALLED OUT	ON LOCATION	JOB START <u>12:00 p.m.</u>	JOB FINISH <u>12:30 a.m.</u>
LEASE <u>Neeland</u>	WELL # <u>1</u>	LOCATION <u>01 mile 2 3/4 N E into</u>			COUNTY <u>Barton</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Southwind #3
 TYPE OF JOB Rotary Plug
 HOLE SIZE 7 7/8 T.D.
 CASING SIZE _____ DEPTH _____
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4 1/2 x H DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT _____

EQUIPMENT

PUMP TRUCK CEMENTER Craig
 # 181 HELPER Galen
 BULK TRUCK
 # 344 DRIVER Alvin
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:

1st Plug 35' 38" 25SK
2nd 10' 60" 25SK
3rd 5' 55" 80SK
4th 40' 10SK with Plug
Rathole 30SK

Thanks!

CHARGE TO: Mai Oil
 STREET _____
 CITY _____ STATE _____ ZIP _____

OWNER _____

CEMENT

AMOUNT ORDERED 170 6940 4 1/2 6 1/2
14 # Flo

COMMON 102 @ 13.50 1377.00
 POZMIX 68 @ 7.55 513.40
 GEL 6 @ 20.25 121.50
 CHLORIDE _____ @ _____
 ASC _____ @ _____

Flo Seal 43lbs @ 2.45 105.35

HANDLING 185 @ 2.25 416.25
 MILEAGE .10/SK/mile 212.50

TOTAL 2521.00

SERVICE

DEPTH OF JOB _____
 PUMP TRUCK CHARGE 650.00
 EXTRA FOOTAGE _____ @ _____
 MILEAGE 25 @ 14.00 350.00
 MANIFOLD _____ @ _____

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TOTAL 650.00

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PLUG & FLOAT EQUIPMENT

1 8 7/8 wooden Plug

To Allied Cementing Co., LLC.

You are hereby requested to rent cementing equipment



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Operations Inc.

P.O.Box 33
Russell KS 67665

ATTN: Kitt Noah

Stoss-Neeland#1

28-17s-15w Barton Ks

Job Ticket: 36474

DST#: 2

Test Start: 2009.09.25 @ 09:09:47

GENERAL INFORMATION:

Formation: **LKC H - J**

Deviated: **No Whipstock** ft (KB)

Time Tool Opened: 10:56:32

Time Test Ended: 13:34:47

Test Type: **Conventional Bottom Hole**

Tester: **Gary Pevoteaux**

Unit No: **39**

Interval: **3444.00 ft (KB) To 3500.00 ft (KB) (TVD)**

Total Depth: **3500.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **2013.00 ft (KB)**

2005.00 ft (CF)

KB to GR/CF: **8.00 ft**

Serial #: 8167

Inside

Press@RunDepth: **15.39 psig @ 3445.00 ft (KB)**

Start Date: **2009.09.25**

End Date:

2009.09.25

Capacity: **8000.00 psig**

Last Calib.: **2009.09.25**

Start Time: **09:09:52**

End Time:

13:34:46

Time On Btm:

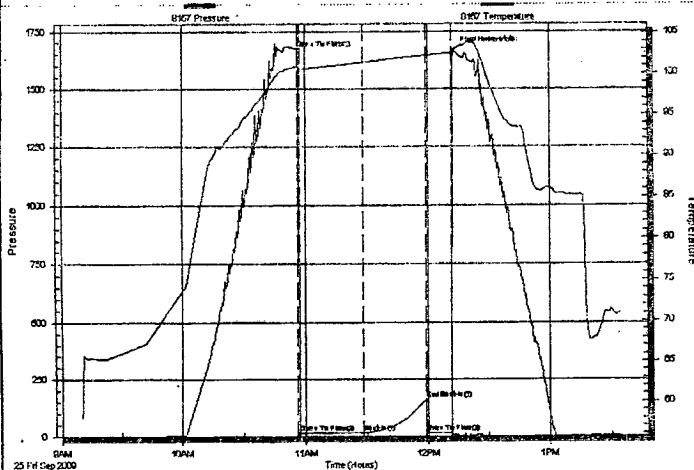
Time Off Btm: **2009.09.25 @ 12:12:47**

TEST COMMENT: IF:Weak blow . 1/4" decreasing.

IS:No blow .

FF:No blow .

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1675.46	100.91	Open To Flow (1)
1	16.20	100.53	Open To Flow (2)
32	15.39	101.43	Shut-In (1)
63	162.46	102.30	End Shut-In (1)
63	15.90	102.25	Open To Flow (3)
75	16.25	102.60	Shut-In (2)
77	1665.01	103.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud w/ few oil specs.	0.04

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.

P.O.Box 33
Russell KS 67665

ATTN: Kitt Noah

Stoss-Neeland#1

28-17s-15w Barton Ks

Job Ticket: 36475

DST#: 3

Test Start: 2009.09.25 @ 23:08:06

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock ft (KB)

Time Tool Opened: 00:46:36

Time Test Ended: 05:40:51

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: **3541.00 ft (KB) To 3577.00 ft (KB) (TVD)**

Reference Elevations: 2013.00 ft (KB)

Total Depth: 3577.00 ft (KB) (TVD)

2005.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

Serial #: 8167

Inside

Press@RunDepth: 113.12 psig @ 3542.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2009.09.25

End Date:

2009.09.26

Last Calib.: 2009.09.26

Start Time: 23:08:11

End Time:

05:40:50

Time On Btm: 2009.09.26 @ 00:45:36

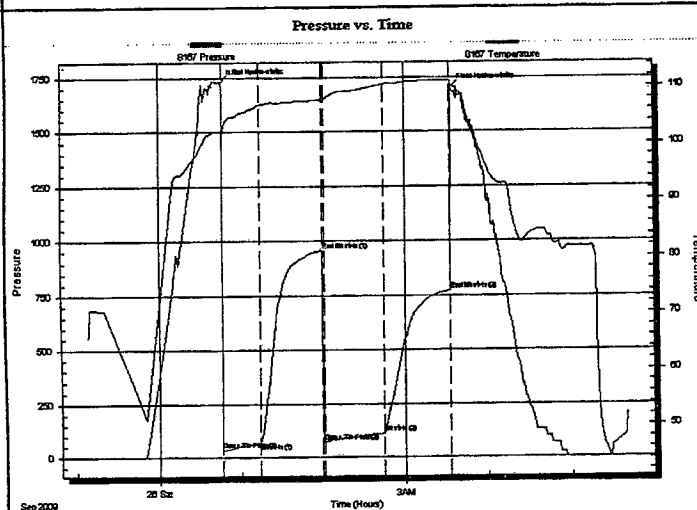
Time Off Btm: 2009.09.26 @ 03:33:20

TEST COMMENT: IF: Strong blow . B.O.B. in 15 mins.

ISI: Weak blow . 1/2 - 1".

FF: Strong blow . B.O.B. in 14 mins.

FST: Weak blow . 1/2".



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1729.49	102.05	Initial Hydro-static
1	36.33	101.47	Open To Flow (1)
29	67.78	106.85	Shut-In(1)
75	957.55	107.67	End Shut-In(1)
76	73.83	107.48	Open To Flow (2)
120	113.12	110.46	Shut-In(2)
168	773.54	111.15	End Shut-In(2)
168	1701.28	111.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	GMCO 17%g 40%m 43%o	1.75
60.00	GMCO 22%g 33%m 45%o	0.84
80.00	CGO	1.12
0.00	425 ft. of GIP	0.00

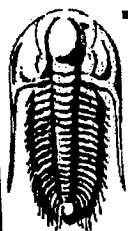
Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Mai Oil Operations Inc.

P.O.Box 33
Russell KS 67665

ATTN: Kitt Noah

Stoss-Neeland#1

28-17s-15w Barton Ks

Job Ticket: 35701

DST#: 4

Test Start: 2009.09.26 @ 10:57:45

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No Whipstock** ft (KB)
Time Tool Opened: 12:49:15
Time Test Ended: 18:00:45

Test Type: **Conventional Bottom Hole**
Tester: **Gary Pevoteaux**
Unit No: **39**

Interval: **3571.00 ft (KB) To 3582.00 ft (KB) (TVD)**
Total Depth: **3582.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **2013.00 ft (KB)**
2005.00 ft (CF)
KB to GR/CF: **8.00 ft**

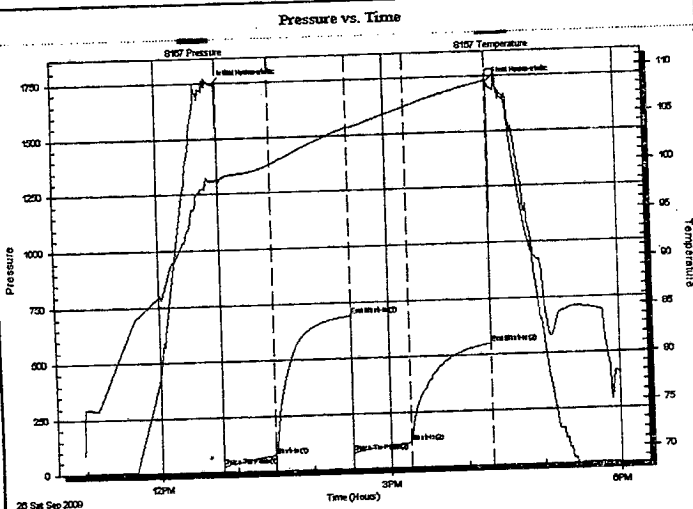
Serial #: **8167**

Inside

Press@RunDepth: **112.61 psig @ 3572.00 ft (KB)**
Start Date: **2009.09.26** End Date: **2009.09.26**
Start Time: **10:57:50** End Time: **18:00:44**

Capacity: **8000.00 psig**
Last Calib.: **2009.09.26**
Time On Btm: **2009.09.26 @ 12:45:45**
Time Off Btm: **2009.09.26 @ 16:19:44**

TEST COMMENT: IF: Strong blow. B.O.B. in 11 mins.
IS: Weak blow. 1/2 - 1".
FF: Strong blow. B.O.B. in 21 mins.
FS: Weak blow. 1/2 - 1 1/2".



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1743.55	98.71	Initial Hydro-static
4	26.31	98.44	Open To Flow (1)
45	69.71	100.27	Shut-In (1)
105	692.22	103.94	End Shut-In (1)
106	75.71	103.85	Open To Flow (2)
150	112.61	105.88	Shut-In (2)
214	548.25	108.44	End Shut-In (2)
214	1724.32	109.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	GOCM 16%g 34%o 50%m	0.42
325.00	CGO 20%g 80%o	4.56
0.00	485 ft. of GIP	0.00

Gas Rates

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