



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1231187  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., 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       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ 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

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that 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.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1231187

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input 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

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				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

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

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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**JAMES C. MUSGROVE**

Petroleum Geologist, LLC

212 Main Street

P.O. Box 215

Clafin, KS 67525

Office (620) 588-4250

Res. Clafin (620) 587-3444

Mai Oil Operations  
Wayne Krug #1  
E/2-NW-NE-NW (330' FNL & 1750' FWL)  
Section 15-15s-14w  
Russell County, Kansas

Page 1

**5 1/2" Production Casing Set**

**Contractor:** Southwind Drilling Co. (rig #3)

**Commenced:** July 2, 2014

**Completed:** July 11, 2014

**Elevation:** 1781' K.B., 1779' D.F., 1773' G.L.

**Casing program:** Surface; 8 5/8" @ 332'  
Production, 5 1/2 @ 3299"

**Sample:** Samples saved and examined 2300' to the Rotary Total Depth.

**Drilling time:** One (1) foot drilling time recorded and kept 2300 ft. to the Rotary Total Depth.

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**Measurements:** All depths measured from the Kelly Bushing.

**Drill Stem Tests:** There were four (4) Drill Stem Tests ran by Trilobite Testing Co.

**Electric Log:** By Nabors; Dual Induction, Compensated Density/Neutron Log and Micro Log.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	780	+1001
Base Anhydrite	812	+969
Grand Haven	2337	-556
1 <sup>st</sup> Tarkio Sand	2348	-567
Dover	2362	-581
2 <sup>nd</sup> Tarkio Sand	2371	-590
Tarkio Lime	2407	-626
Elmont	2470	-689
Howard	2607	-826
Heebner	2908	-1127
Toronto	2925	-1144
Lansing	2970	-1189
Base Kansas City	3172	-1391
Arbuckle	3216	-1435
Rotary Total Depth	3300	-1519
Log Total Depth	3298	-1517

All tops and zones corrected to Electric Log Measurement.

**SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.**

**1<sup>ST</sup> TARKIO SAND**

2348-2356' Poorly developed section, no true sand development.

**2<sup>nd</sup> TARKIO SAND**

2371-2385' Sand, gray; grayish green, fine grained; well sorted, micaeous, friable; light brown stain, show of free oil and no odor in fresh samples.

**Drill Stem Test #1** **2336-2412**

**Times:** 30-30-30-30

**Blow:** Weak

**Recovery:** 3' very slightly oil cut mud  
(2% oil; 98% mud)  
120' muddy water

**Pressures:** ISIP 663 psi  
FSIP 624 psi  
IFP 18-45 psi  
FFP 50-71 psi  
HSH 1112-1080 psi

**TOPEKA SECTION**

2854-2870' Limestone, cream, tan, fine and medium crystalline, chalky; few fossiliferous, scattered porosity, no shows.

2870-2890' Limestone, cream, tan, finely crystalline, few fossiliferous, chalky poor scattered porosity, trace black stain, no free oil and no odor in fresh samples.

**TORONTO SECTION**

2924-2936' Limestone, cream, tan, finely crystalline, dense, poor porosity, no shows.

**LANSING SECTION**

2971-2981' Limestone, white, light gray, finely crystalline, few medium crystalline, chalky, trace dark brown stain, no free oils and no odor in fresh samples.

2990-3000' Limestone, white, cream, finely crystalline, oolitic, chalky, dense.



- 3000-3010' Limestone, cream, tan, finely crystalline, oolitic, sub-oomoldic, chalky, poorly developed oomoldic porosity, trace stain, no free oil and no odor in fresh samples.
- 3010-3020' Limestone, white, cream, finely crystalline, chalky, poor visible porosity.
- 3020-3030 Limestone, cream, white, tan, finely crystalline, oolitic, oomoldic, poor scattered oomoldic porosity, plus white/gray boney chert.
- 3042-3050' Limestone, white, cream, finely crystalline, oolitic, oomoldic, fair oomoldic porosity, no shows plus chert, white/cream, boney.
- 3061-3070' Limestone, cream, white, tan, finely crystalline, oolitic, oomoldic, fair oomoldic porosity, no shows.
- 3090-3100' Limestone, as above, fair porosity.
- 3110-3120' Limestone, tan, gray, finely crystalline, dense, poor visible porosity.
- 3130-3140' Limestone, cream, white, tan, finely crystalline, oolitic, few fossiliferous, chalky, oomoldic in part, no shows.
- 3143-3160' Limestone, cream, tan, finely crystalline, oolitic, fossiliferous; poor visible porosity, cherty in part.

**ARBUCKLE SECTION**

- 3216-3230' Dolomite, cream, white, fine and medium crystalline, poor to fair inter-crystalline porosity, golden brown stain, trace of free oil and good odor in fresh samples.

**Drill Stem Test #2 3179-3230**

**-MISRUN-**

- 3230-3242' Dolomite, cream, white, tan, fine and medium crystalline, fair to good inter-crystalline and vuggy type porosity, scattered golden brown to dark brown stain, trace of free oil and good odor in fresh samples.

**Drill Stem Test #3 3226-3242**

**Times: 30-30-45-60**

**Blow: Weak; flushed tool  
 Strong blow**

**Recovery: 125' muddy water  
 2140' water**

**Pressures: ISIP plugged psi  
 FSIP 1085 psi  
 IFP plugged psi  
 FFP 415-1042 psi  
 HSH 1542-1508 psi**







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Mai Oil Operations, Inc.

15-15s-14w Russell,KS

8411 Preston RD Ste 800  
Dallas, TX 75225

Wayne Krug #1

Job Ticket: 59387

DST#: 1

ATTN: Wyatt Urban/ Allen B

Test Start: 2014.07.07 @ 21:44:00

## GENERAL INFORMATION:

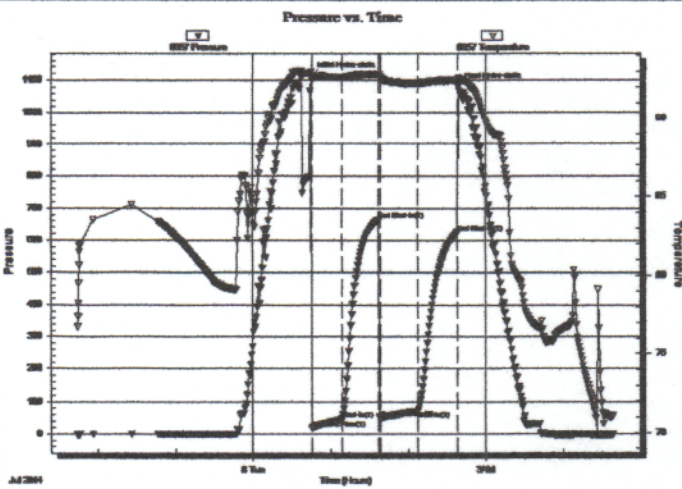
Formation: **Tarkio Sand**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 00:45:15  
 Time Test Ended: 04:39:15  
 Interval: **2336.00 ft (KB) To 2412.00 ft (KB) (TVD)**  
 Total Depth: **2412.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Phillip Gage  
 Unit No: 59  
 Reference Elevations: 1781.00 ft (KB)  
 1773.00 ft (CF)  
 KB to GR/CF: 8.00 ft

## Serial #: 8957

Outside

Press@RunDepth: 71.49 psig @ 2413.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.07.07 End Date: 2014.07.08 Last Calib.: 2014.07.08  
 Start Time: 21:44:05 End Time: 04:39:14 Time On Btrn: 2014.07.08 @ 00:45:00  
 Time Off Btrn: 2014.07.08 @ 02:38:45

TEST COMMENT: 30-IF-Weak Surface Blow, Died in 2 mins, Flushed Tool, Built to 3"  
 30-ISI-No Return  
 30-FF-Built to 2 1/4"  
 30-FSI-No Return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1112.52	92.94	Initial Hydro-static
1	18.19	92.45	Open To Flow (1)
24	45.78	92.62	Shut-In(1)
53	663.06	92.83	End Shut-In(1)
54	50.44	92.57	Open To Flow (2)
83	71.49	92.28	Shut-In(2)
113	624.55	92.44	End Shut-In(2)
114	1080.03	92.54	Final Hydro-static

## Recovery

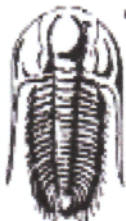
Length (ft)	Description	Volume (bbl)
120.00	SWCM, 10%w, 90%o, with oil spots	0.63
3.00	VSOCM, 2%o, 98%o	0.04

## Gas Rates

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







**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Mai Oil Operations, Inc.

15-15s-14w Russell, KS

8411 Preston RD Ste 800  
Dallas, TX 75225

Wayne Krug #1

Job Ticket: 59389

DST#: 3

ATTN: Wyatt Urban/ Allen B

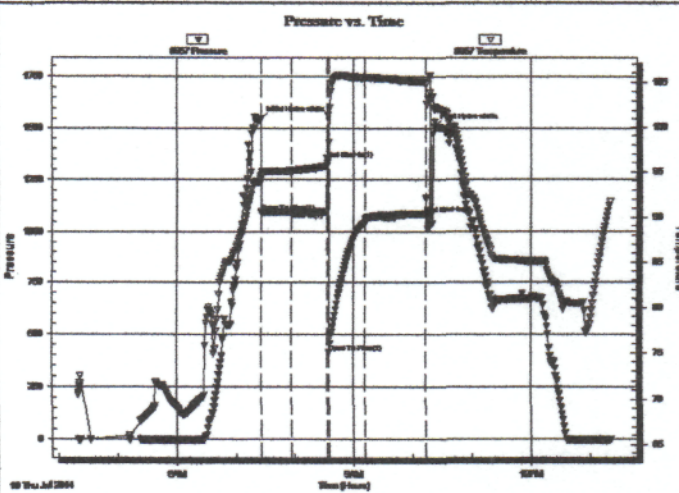
Test Start: 2014.07.10 @ 04:20:00

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 07:26:15  
 Time Test Ended: 13:21:30  
 Interval: **3226.00 ft (KB) To 3242.00 ft (KB) (TVD)**  
 Total Depth: 3242.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Phillip Gage/Brett D  
 Unit No: 59  
 Reference Elevations: 1781.00 ft (KB)  
 1773.00 ft (CF)  
 KB to GR/CF: 8.00 ft

**Serial #: 8957 Outside**  
 Press@RunDepth: 1041.78 psig @ 3227.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.07.10 End Date: 2014.07.10 Last Calib.: 2014.07.10  
 Start Time: 04:20:05 End Time: 13:21:30 Time On Btm: 2014.07.10 @ 07:25:15  
 Time Off Btm: 2014.07.10 @ 10:22:15

**TEST COMMENT:** 30-F-Built to 1/4"  
 30-ISI-No Return  
 45-FF-No Blow, Flushed Tool, BOB in 1 min.  
 60-FSI-No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1542.35	94.19	Initial Hydro-static
1	1093.96	94.66	Open To Flow (1)
32	1096.02	95.14	Shut-In(1)
68	1348.13	96.03	End Shut-In(1)
70	415.22	98.33	Open To Flow (2)
106	1041.78	105.50	Shut-In(2)
168	1084.83	105.05	End Shut-In(2)
177	1507.91	102.11	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
2140.00	Water	28.96
125.00	MCW 25%M 75%W	1.75

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE TESTING, INC.**

## DRILL STEM TEST REPORT

Mai Oil Operations, Inc.

15-15s-14w Russell, KS

8411 Preston RD Ste 800  
Dallas, TX 75225

Wayne Krug #1

Job Ticket: 59390

DST#: 4

ATTN: Wyatt Urban/ Allen B

Test Start: 2014.07.11 @ 02:10:00

### GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:15:45

Time Test Ended: 09:21:30

Test Type: Conventional Straddle (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: **3218.00 ft (KB) To 3228.00 ft (KB) (TVD)**

Total Depth: 3298.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1781.00 ft (KB)

1773.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: **8957**

Inside

Press@RunDepth: 910.58 psig @ 3219.00 ft (KB)

Start Date: 2014.07.11

End Date:

2014.07.11

Start Time: 02:10:05

End Time:

09:21:29

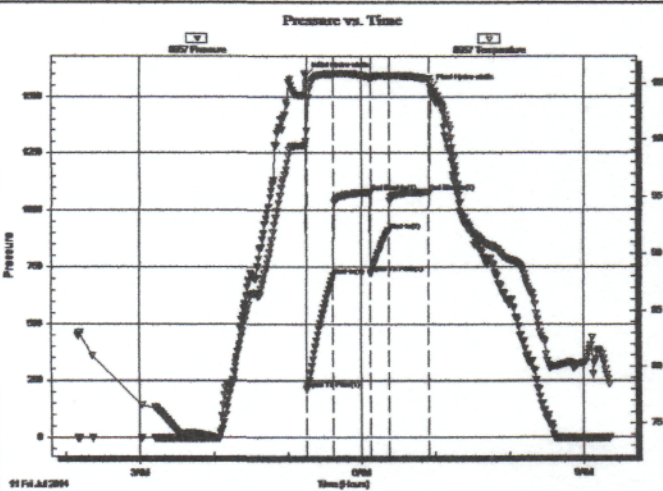
Capacity: 8000.00 psig

Last Calib.: 2014.07.11

Time On Btm: 2014.07.11 @ 05:14:45

Time Off Btm: 2014.07.11 @ 06:55:45

TEST COMMENT: F-BOB in 45 sec  
IS-No blow  
FF-BOB in 1 min  
FSI-weak surface blow



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1590.86	99.76	Initial Hydro-static
1	210.92	100.68	Open To Flow (1)
22	709.11	105.71	Shut-In(1)
53	1078.87	105.47	End Shut-In(1)
53	722.74	105.32	Open To Flow (2)
68	910.58	105.59	Shut-In(2)
100	1079.78	105.35	End Shut-In(2)
101	1538.51	105.04	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
1245.00	Water	17.46
125.00	OS Water 100%	1.75
185.00	SOCW 5%O 95%W	2.60
125.00	GSOCW 10%G 10%O 80%W	1.75
250.00	GOCW 10%G 30%O 60%W	3.51
125.00	GMWCO 10%G 35%O 30%W 25%M	1.75

\* Recovery from multiple tests

### Gas Rates

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

Trilobite Testing, Inc

Ref. No: 59390

Printed: 2014.07.15 @ 08:11:42



# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 551

Date	7-2-14	Sec.	15	Twp.	15	Range	14	County	Russell	State	KANSAS	On Location		Finish	12:15 AM
								Location							
								Russell KS, S. To MITCHEL RD.							

Lease	WAYNE KRUG	Well No.	#1	Owner	3/4 W 1/4 S INTO
Contractor	SOUTHWIND DRILLING RIG #3 "JAY"	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.			
Type Job	LONG SURFACE				
Hole Size	12" x 4"	T.D.	514-336	Charge To	MAI OIL OPERATIONS INC.
Csg.	8 5/8 23#	Depth	514-336	Street	
Tbg. Size		Depth	DISP TO	City	State
Tool		Depth	(321)	The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg.	15-20'	Shoe Joint	15-20'	Cement Amount Ordered	250 sx 40 (USED 180 SX)
Meas Line	20.45 BBL	Displace	31 3/4 BBL	28 GEL	38 CC

**EQUIPMENT**

Pumptrk	18	No.	Cementer	GLENY G.	Common
			Helper	CODY B.	Poz. Mix
Bulktrk	15	No.	Driver	CLAYTON B.	Gel.
			Driver		Calcium

**JOB SERVICES & REMARKS**

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
	Sand
	Handling
	Mileage

**FLOAT EQUIPMENT**

Ran in New JOINTS OF 23 #	Guide Shoe
8 5/8 Csg. Set @ 514	Centralizer
Received CIRCULATION	Baskets
Cement w/ 180 SX 40 2+3	AFU Inserts
Release WOODEN WIPER PLUG &	Float Shoe
Displaced as TOTAL OF BBL	Latch Down
BEHIND Cement. SHUT IN @	X2 CUP WOODEN PLUG
350 #	
Cement DID CIRCULATE	Pumptrk Charge
TO SURFACE	Mileage

THANK'S

X Signature *Jay Ibrer*

Tax	
Discount	
Total Charge	



# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 538

Date	Sec.	Twp.	Range	County	State	On Location	Finish
7-11-2014	15	15	14	Russell	Kansas		6:45 PM
Location							

Lease	Wayne KRUG	Well No.	#1	Owner	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.
Contractor	SOUTHWIND DRILLING RIG #3 "Jay"			Charge To	MAT OIL OPERATIONS INC.
Type Job	PRODUCTION STRING	Hole Size	7 7/8	T.D.	3301
Csg.	5 1/2 NEW	Depth	3298	Street	
Tbg. Size	# CSG.	Depth		City	State
Tool	LATCH DOWN PLUG ASSY	Depth @	3278	The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg.		Shoe Joint	19.8	Cement Amount Ordered	100 SX 40 10% SALT 2% GEL 1/4" # F10-500 L
Meas Line		Displace	80 / BBL		100 SX 40 18% SALT 2% GEL 1/4" # F10-500 L

**EQUIPMENT**

Pumptrk	18	No.	Cementer	GLENN G.	Common
			Helper	CODY B.	
Bulktrk	1	No.	Driver		Poz. Mix
			Driver		Gel.
Bulktrk	14	No.	Driver		Calcium
			Driver		

**JOB SERVICES & REMARKS**

Remarks:		Hulls
Rat Hole	30 SX	Salt
Mouse Hole		Flowseal
Centralizers	1-8 10 22 25 60	Kol-Seal
Baskets	#11 #61 pc	Mud CLR 48 1,000 Gal
D/V or Port Collar	#61 (286)	CFL-117 or CD110 CAF 38
		Sand
		Handling
		Mileage

**FLOAT EQUIPMENT**

Run 19 New JOINTS OF 14" CSG.	
Set @ 3298. Received CIRCULATION	Guide Shoe
DROP AFU BALL @ CIRCULATE 3/4 HR.	Centralizer 12
Pump 1000 GAL MUD-CLAR, 1 Cement	Baskets 2
W/ 70 SX 40 18% SALT. Followed	AFU Inserts
By 100 SX 40 10% SALT, use	Float Shoe 1
Clear-line, Release LATCH	Latch Down 1
Down Plug, & Displaced A TOTAL	
OF 80 3/4 BBL H <sub>2</sub> O LARD	
Plug @ 1500 #.	
Release Pressure & "AFU"	
& LATCH DOWN PLUG (HELD)	

THANK'S.		
X Signature		
	Pumptrk Charge	Tax
	Mileage	Discount
		Total Charge



Conservation Division  
266 N. Main St., Ste. 220  
Wichita, KS 67202-1513



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Shari Feist Albrecht, Chair  
Jay Scott Emler, Commissioner  
Pat Apple, Commissioner

Sam Brownback, Governor

November 10, 2014

Allen Bangert  
Mai Oil Operations, Inc.  
8411 PRESTON RD STE 800  
DALLAS, TX 75225-5520

Re: ACO-1  
API 15-167-23986-00-00  
Wayne Krug 1  
NW/4 Sec.15-15S-14W  
Russell County, Kansas

Dear Allen Bangert:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 07/02/2014 and the ACO-1 was received on November 07, 2014 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department