



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1110183  
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: \_\_\_\_\_



1110183

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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Form	ACO1 - Well Completion
Operator	Mai Oil Operations, Inc.
Well Name	Maier-Mai Unit 1
Doc ID	1110183

Tops

Name	Top	Datum
Anhydrite	758	+1003
Tarkio Lime	2406	-645
Topeka	2674	-913
Heebner	2898	-1137
Toronto	2916	-1155
Lansing	2958	-1197
Base Kansas City	3164	-1403
Arbuckle	3210	-1449

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



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

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

January 25, 2013

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

Re: ACO1  
API 15-167-23826-00-00  
Maier-Mai Unit 1  
NW/4 Sec.03-15S-14W  
Russell County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Allen Bangert



**JAMES C. MUSGROVE**

Petroleum Geologist  
212 Main Street  
P.O. Box 215  
Claflin, KS 67525

Office (620) 588-4250

Res. Claflin (620) 587-3444

Mai Oil Operations Inc.  
Maier-Mai Unit #1  
NE-NE-SW-NW (1500' FNL & 1070' FWL)  
Section 3-15s-14w  
Russell County, Kansas  
Page 1

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

**Contractor:** Southwind Drilling Co. (Rig #3)  
**Commenced:** October 4, 2012  
**Completed:** October 11, 2012  
**Elevation:** 1761' K.B; 1759' D.F; 1754' G.L.  
**Casing program:** Surface; 8 5/8" @ 473'  
Production; 5 1/2" @ 3271'  
**Sample:** Samples saved and examined 2200' to the Rotary Total Depth.  
**Drilling time:** One (1) foot drilling time recorded and kept 2200 ft to the Rotary Total Depth.  
**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 Completion and Production Services Co; Dual Induction Compensated Density/Neutron and Micro Log.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	758	+1003
Base Anhydrite	794	+967
Grand Haven	2335	-574
1 <sup>st</sup> Tarkio Sand	2348	-587
Dover	2360	-599
2 <sup>nd</sup> Tarkio Sand	2368	-607
Tarkio Lime	2406	-645
3 <sup>rd</sup> Tarkio Lime	2426	-665
Elmont	2468	-707
Howard	2608	-847
Topeka	2674	-913
Heebner	2898	-1137
Toronto	2916	-1155
Lansing	2958	-1197
Base Kansas City	3164	-1403
Arbuckle	3210	-1449
Rotary Total Depth	3275	-1514
Log Total Depth	3272	-1511

(All tops and zones corrected to Electric Log measurements).

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

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

2346-2354' Sand; dark gray, silty, shaley, fine grained, sub angular, sub rounded, micaceous in part, trace pyrite, no shows.

**2<sup>ND</sup> TARKIO SAND SECTION**

2365-2376' Sand; light gray, fine and medium grained, sub angular, rounded, micaceous, few glauconitic, brown stain, trace of free oil and faint odor in fresh samples.

**Drill Stem Test #1** **2341-2400'**

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

**Blow:** Weak

**Recovery:** 75' gas in pipe  
75' mud

**Pressures:** ISIP 615 psi  
FSIP 588 psi  
IFP 15-33 psi  
FFP 35-49 psi  
HSH 1111-1093 psi

**TOPEKA SECTION**

2708-2716' Limestone; cream, white, finely crystalline, few fossiliferous, chalky, questionable stain, no free oil and faint odor in fresh samples.

Limestone; tan, finely crystalline, sub oomoldic, chalky, trace brown and black stain, trace of free oil and no odor in fresh samples.

**TORONTO SECTION**

2849-2856' Limestone; white, gray, finely crystalline, chalky, poorly developed porosity, brown light stain, no free oil and no odor in fresh samples.

**LANSING SECTION**

2958-2970' Limestone; tan, finely crystalline, chalky, scattered pinpoint porosity, golden brown stain, trace of free oil and questionable odor in fresh samples.

2981-2987' Limestone; white, cream, oomoldic, fair oomoldic and vuggy type porosity, trace brown stain and saturation, weak show of free oil and questionable odor in fresh samples.

2991-3006' Limestone; white, fossiliferous, oomoldic, fair oomoldic porosity, poor stain, weak show of free oil and no odor in fresh samples, trace white/cream chert.



**Drill Stem Test #2** **2964-3016'**

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

**Blow:** Fair

**Recovery:** 155' gas in pipe  
 60' slightly oil cut mud  
 (4% oil, 96% mud)

**Pressures:**

ISIP	700	psi
FSIP	714	psi
IFP	17-25	psi
FFP	27-39	psi
HSH	1481-1455	psi

3033-3039' Limestone; gray, oolitic, chalky, trace brown spotty stain, trace of free oil and questionable odor in fresh samples.

3041-3048' Limestone; cream, gray, oolitic, fair porosity, brown and golden brown stain and saturation, show of free oil and faint odor in fresh samples.

**Drill Stem Test #3** **3020-3056'**

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

**Blow:** Fair

**Recovery:** 135' gas in pipe  
 45' oil and gas cut mud  
 (6% gas, 8% oil, 86% mud)

**Pressures:**

ISIP	356	psi
FSIP	421	psi
IFP	18-25	psi
FFP	29-38	psi
HSH	1507-1491	psi

3054-3068' Limestone; cream, white, oomoldic, good oomoldic, porosity, chalky, good oomoldic porosity, no shows.

3104-3110' Limestone; white, gray, fossiliferous, chalky, poor visible porosity, questionable stain, no free oil and no odor in fresh samples.

3126-3131' Limestone; white, oolitic, chalky, poor porosity, no shows.

3145-3162' Limestone; white, tan, finely crystalline, fossiliferous in part, poor porosity, trace stain, trace of free oil and no odor in fresh samples.

3174-3182' Limestone; white, tan, gray, chalky increasingly cherty, poor visible porosity, no shows.

**ARBUCKLE SECTION**

- 3210-3214' Dolomite; white, cream, fine and medium crystalline, poor porosity, trace iron pyrite, no shows.
- 3214-3223' Dolomite; white, cream, medium crystalline, fair to good intercrystalline porosity, trace brown stain, show of free oil and faint odor in fresh samples.

**Drill Stem Test #4 3178-3223'**

**Times: 15-20-20-30**

**Blow: Strong**

**Recovery: 215 mud**  
**245' muddy gas cut water**  
**1965' slightly gas cut water**

**Pressures: ISIP 1105 psi**  
**FSIP 1111 psi**  
**IFP 409-868 psi**  
**FFP 898-1089 psi**  
**HSH 1594-1544 psi**

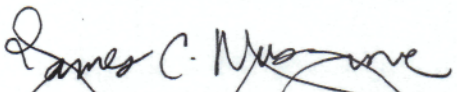
- 3223-3230' Dolomite; as above, no shows.
- 3230-3250' Dolomite; cream, white, fine and medium crystalline, scattered porosity, no shows.
- 3250-3272' Dolomite; as above, sandy in part, trace iron pyrite, and white chert.

**Rotary Total Depth 3275**  
**Log Total Depth 3272**

**Recommendations:**

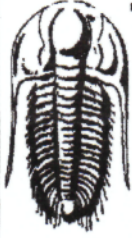
5 1/2" production casing was set and cemented on the Maier-Mai Unit #1.

Respectfully submitted;

  
James C. Musgrove,  
Petroleum Geologist







**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Mai Oil Operations  
8411 Preston Rd Ste 800  
Dallas TX 75225  
ATTN: James Musgrove

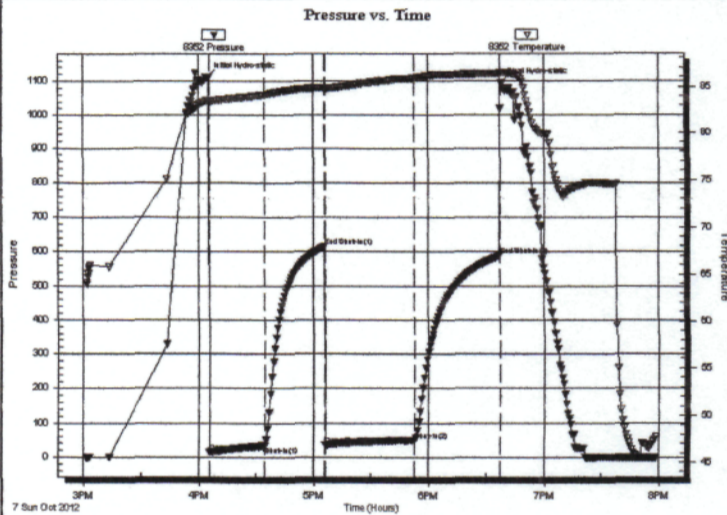
**3-15s-14w Russell,KS**  
**Maier-Mai Unit #1**  
Job Ticket: 49613      **DST#: 1**  
Test Start: 2012.10.07 @ 15:01:35

### GENERAL INFORMATION:

Formation: **Tarkio**  
 Deviated: **No** Whipstock:                      ft (KB)  
 Time Tool Opened: 16:05:50  
 Time Test Ended: 19:59:05  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Gary Pevoteaux  
 Unit No: 56  
 Interval: **2341.00 ft (KB) To 2400.00 ft (KB) (TVD)**  
 Total Depth: 2400.00 ft (KB) (TVD)  
 Reference Elevations: 1762.00 ft (KB)  
 1754.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 KB to GR/CF: 8.00 ft

**Serial #: 8352**      **Outside**  
 Press@RunDepth: 48.94 psig @ 2342.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2012.10.07      End Date: 2012.10.07      Last Calib.: 2012.10.07  
 Start Time: 15:01:40      End Time: 19:59:04      Time On Btm: 2012.10.07 @ 16:04:50  
 Time Off Btm: 2012.10.07 @ 18:38:05

**TEST COMMENT:** IF:Weak blow . 1/4 - 1 1/4".  
 IS:No blow .  
 FF:Weak blow . 1/4 - 1 1/4".  
 FS:No blow .



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1111.19	83.56	Initial Hydro-static
1	14.52	83.13	Open To Flow (1)
30	33.45	84.10	Shut-In(1)
61	615.13	84.88	End Shut-In(1)
62	35.28	84.70	Open To Flow (2)
108	48.94	85.91	Shut-In(2)
153	588.34	86.36	End Shut-In(2)
154	1093.18	86.45	Final Hydro-static

### Recovery

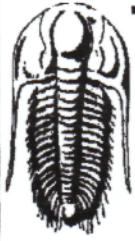
Length (ft)	Description	Volume (bbl)
75.00	Drig.mud	0.51
0.00	75 ft.of GIP	0.00

### Gas Rates

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







**TRILOBITE TESTING, INC**

**DRILL STEM TEST REPORT**

Mai Oil Operations  
 8411 Preston Rd Ste 800  
 Dallas TX 75225  
 ATTN: James Musgrove

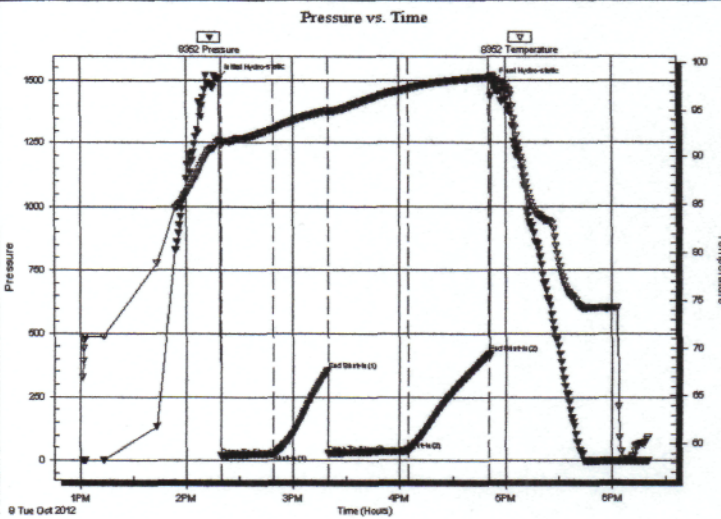
**3-15s-14w Russell,KS**  
**Maier-Mai Unit #1**  
 Job Ticket: 49615 **DST#: 3**  
 Test Start: 2012.10.09 @ 13:01:23

**GENERAL INFORMATION:**

Formation: **Lans.**  
 Deviated: **No** Whipstock: **ft (KB)**  
 Time Tool Opened: 14:19:23  
 Time Test Ended: 18:20:08  
 Interval: **3020.00 ft (KB) To 3056.00 ft (KB) (TVD)**  
 Total Depth: **3056.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
 Test Type: **Conventional Bottom Hole (Reset)**  
 Tester: **Gary Pevoteaux**  
 Unit No: **56**  
 Reference Elevations: **1762.00 ft (KB)**  
**1754.00 ft (CF)**  
 KB to GR/CF: **8.00 ft**

**Serial #: 8352** **Inside**  
 Press@RunDepth: **37.96 psig @ 3021.00 ft (KB)** Capacity: **8000.00 psig**  
 Start Date: **2012.10.09** End Date: **2012.10.09** Last Calib.: **2012.10.09**  
 Start Time: **13:01:28** End Time: **18:20:07** Time On Btm: **2012.10.09 @ 14:17:53**  
 Time Off Btm: **2012.10.09 @ 16:52:38**

**TEST COMMENT:** IF:Weak to fair blow . Increase to 5 1/2".  
 IS:No blow .  
 FF:Weak blow . 1/2 - 4".  
 FS:No blow .;



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1507.01	91.65	Initial Hydro-static
2	17.79	91.23	Open To Flow (1)
32	25.17	93.00	Shut-In(1)
62	355.96	94.95	End Shut-In(1)
63	28.78	94.81	Open To Flow (2)
107	37.96	97.29	Shut-In(2)
153	421.23	98.49	End Shut-In(2)
155	1490.71	98.60	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
0.00	135 ft.of GIP	0.00
45.00	GOCM 6%g 8%o 86%m	0.63

\* Recovery from multiple tests

**Gas Rates**

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





# ALLIED OIL & GAS SERVICES, LLC 059029

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT:  
Great Bend, KS

Mater Mai Unit #1

DATE 10-5-12	SEC 3	TWR 153	RANGE 14W	CALLED OUT 2:15 AM	ON LOCATION 4:30 AM	JOB START 5:11 AM	JOB FINISH 5:45 AM
LEASE Mater-Mai	WELL #15-117-23826	LOCATION 121/2 to water's edge. Turn west 0.4 miles into location			COUNTY Rice	STATE KS	
OLD OR NEW (Circle one)				2-01		8-3	

CONTRACTOR South Wind #3  
TYPE OF JOB Surface Casing  
HOLE SIZE 12 1/4 T.D. 473 FT  
CASING SIZE 8 5/8" 23" DEPTH 470 FT  
TUBING SIZE DEPTH  
DRILL PIPE DEPTH  
TOOL DEPTH  
PRES. MAX 500 PSI MINIMUM  
MEAS. LINE SHOE JOINT LOSS  
CEMENT LEFT IN CSG. 20 ft, 1.27 bbls - 5.75 yd  
PERFS.  
DISPLACEMENT 28.5 bbls Fresh Water

OWNER Mai Oil  
CEMENT  
AMOUNT ORDERED 225% 60/40 + 2% Gel + 3% Ceal

EQUIPMENT  
PUMP TRUCK CEMENTER Charles Kirkins 1  
# 410 HELPER Tony Pfannenstiel 2  
BULK TRUCK  
# 391 DRIVER Kevin Weighous 3  
BULK TRUCK  
# DRIVER

COMMON	135	@ 17.90	2,416.50
POZMIX	90	@ 9.35	841.50
GEL	6	@ 23.70	142.20
CHLORIDE	7	@ 64.00	448.00
ASC			
HANDLING	241.95	@ 2.48	600.03
MILEAGE	10.16 x 8 x	@ 2.60	211.32
		81.27	TOTAL 4,657.55

REMARKS:  
Pump 5 bbls Fresh Water  
Pump 50 bbls (225%) Cement  
Displace with 28.5 bbls Fresh Water  
Circulated 10 bbls (45%) Cement to Surface

SERVICE

DEPTH OF JOB	470	
PUMP TRUCK CHARGE		1,512.33
EXTRA FOOTAGE		@
MILEAGE	Hum 8	@ 7.70 61.60
MANIFOLD	Hum 8	@ 4.40 35.20

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

TOTAL 1,609.05

To: Allied Oil & Gas Services, 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.

PLUG & FLOAT EQUIPMENT

Rig Time	2.25	@ 375.00	843.75
Allied Pay		@ Per hr	
		@	
		@	

TOTAL 843.75

PRINTED NAME Jay Maier  
SIGNATURE *Jay Maier*

SALES TAX (If Any)	319.25	
TOTAL CHARGES	624.00	5423.05
DISCOUNT	1,566.00	
IF PAID IN 30 DAYS		
Rig Time	4,700.00	
	843.75	
TOTAL		3,856.00 net



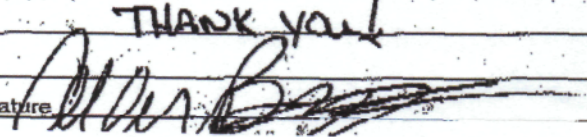
# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
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Home Office P.O. Box 32 Russell, KS 67665

No. 6024

Date	10-11-12	Sec.	3	Twp.	15	Range	14	County	RUSSELL	State	KANSAS	On Location		Finish	3:00 PM
Lease								Location		RUSSELL STO WALTERS LN. 3/4 W - S/INTO					
MATER-MAT UNIT								Well No.		#1					
Contractor								Owner		MAT OIL OPERATIONS					
S.W.D #3								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								PROD-STRING							
Hole Size				T.D.				Charge To							
8 5/8"				3275				MAT OIL OPERATIONS							
Csg.				Depth				Street							
5 1/2"				3271				8411 PRESTON RD							
Tbg. Size				Depth				City				State			
								DALLAS				TX, 75225			
Tool								The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg.				Shoe Joint				Cement Amount Ordered							
				18' 20"				150 40-2 GEL - 10% SALT - 1/4 FLO							
Meas Line				Displace				Common							
				79 BWS				100 40-2 GEL - 10% SALT - 1/4 FLO SEAL							
<b>EQUIPMENT</b>															
Pumptrk #5		No.		Cementer		Helper		Poz. Mix							
				BATT				100							
Bulktrk #8 #14		No.		Driver		Driver		Gel.							
				CONJ				5							
Bulktrk P/W		No.		Driver		Driver		Calcium							
				CISCO											
<b>JOB SERVICES &amp; REMARKS</b>															
Remarks:								Hulls							
								Salt 49							
Rat Hole								Flowseal <del>49</del> # 62#							
Mouse Hole								Kol-Seal							
Centralizers								Mud CLR 48 1000 gal							
Baskets								CFL-117 or CD110 CAF 38							
D/V or Port Collar								Sand							
DROPPED BALL ESTABLISHED CIRCULATION								Handling 304							
CIRCULATED 45 MIN ON BOTTOM - DIES								Mileage							
CONNECTED PLUMBED 1000 GAL - MUCKLE 48-								<b>FLOAT EQUIPMENT</b>							
PLUGGED RAT-HOLE 30 SKS - MADE CONNECTION								Guide Shoe							
MIXED & PUMPED 220 SKS DOWN 5 1/2" -								Centralizer 11							
DISCONNECTED DROPPED PLUG & WASHED								Baskets 1							
PUMP - MADE CONNECTION & DISPLACED								AFU Inserts							
PLUG LANDED & HELD!								Float Shoe 1							
								Latch Down 1							
LET PRESSURE @ 1000 LBS															
PLUG LANDED @ 79 BWS - 1,500 LBS															
								Pumptrk Charge Prod Long String							
								Mileage 10							
THANK YOU!															
Signature 															
								Tax							
								Discount							
								Total Charge							