



**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
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date      Date Reached TD      Completion Date or Recompletion Date

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

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

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

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

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

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

Total 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**

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



1065649

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

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

**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 complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  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
_____ 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 <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)* \_\_\_\_\_

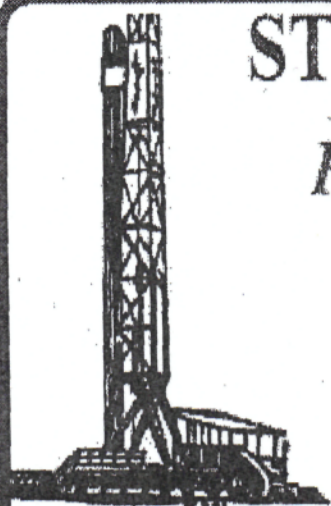
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Mai Oil Operations, Inc.
Well Name	Flegler 'C' 1
Doc ID	1065649

Tops

Name	Top	Datum
Anhydrite	871	+1020
Tarkio Lm	2509	-618
Topeka	2783	-892
Heebner	3009	-1118
Toronto	3016	-1125
Lansing	3073	-1182
Base Kansas City	3300	-1407
Arbuckle	3333	-1442



# STEVEN P. MURPHY, P.G.

## Petroleum Geologist (KS #228)

Cell 620.639.3030

Fax 785.387.2400

RR#1, Box 69

Otis, Kansas 67565

geomurphy@gbta.net

Scale 1:240 (5"=100') Imperial  
Measured Depth Log

Well Name: Fiegler C#1

Location: Russell Co.

License Number: API # 15-167-23737-00-00

Spud Date: 8/23/11

Region: Kansas

Drilling Completed: 8/31/11

Surface Coordinates: 500' FSL & 660' FEL (approx. N/2 S/2 SE SE)  
Section 11-T15S-R14W

Bottom Hole Coordinates: Vertical hole w/minimal deviation

Ground Elevation (ft): 1883'

K.B. Elevation (ft): 1891'

Logged Interval (ft): 2050' To: TD Total Depth (ft): 3425'

Formation: Grand Haven through Arbuckle

Type of Drilling Fluid: Chemical (Andy's Mud - Dennis Rector, Mud Engineer)

Printed by STRIP.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

### OPERATOR

Company: Mai Oil Operations, Inc.

Address: 8411 Preston Road

Suite 800

Dallas, TX 75225-5520

### GEOLOGIST

Name: Steven P. Murphy, PG (KS License #228)

Company: Consulting Petroleum Geologist

Address: 3365 CR 390

Otis, KS 67565

Cell: 620-639-3030

### LogTops (Datum)

The open-hole logging was performed by Jason Cappellucci with Superior Well Services (Hays, KS shop). Logs included Compensated Neutron/Compensated Density, Dual Induction & Microlog.

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The open-hole logging was performed by Jason Cappellucci with Superior Well Services (Hays, KS shop). Logs included Compensated Neutron/Compensated Density, Dual Induction & Microlog.

Formation tops and datums from the open-hole logs are as follows:

Top Anhydrite - 871 (+1020)  
Base Anhydrite - 908 (+983)  
Grand Haven - 2439 (-548)  
Tarkio - 2509 (-618)  
Howard - 2711 (-820)  
Topeka - 2783 (-892)  
Plattsmouth - 2958 (-1067)  
Heebner - 3009 (-1118)  
Toronto - 3016 (-1125)  
Lansing - 3073 (-1182)  
Muncie Crk - 3217 (-1326)  
BKC - 3300 (-1407)  
Arbuckle - 3333 (-1442)

### DRILL STEM TESTS #1-3

Drillstem testing was performed by Dustin Rash w/Trilobite Testing (Hays Office).

DST #1 2446-2498' (Tarkio)

45:45:45:45

IF: BOB in 4 min, no return

FF: BOB in 10 sec, no return

Recovery: 60' Mud

IHP: 1189 FHP: 1144

IFP: 26-29 ISIP: 442

FFP: 25-125 FSIP: 468

BHT - 92 F

Note: May have been low methane gas to surface, could not smell or burn

DST#2 2528-2576 (Willard)

45:45:45:45

IF: BOB in 3 min, return in 15 sec - stable @ 2" blow

FF: BOB in 9 min, return in 30 sec - stable @ 2" blow

Recovery: 45' VSOCM (2% O, 98% M),

120' MW (35% M, 65% W), 240' MW (95% W, 5% M)

IHP: 1210 FHP: 1175

IFP: 138-529 ISIP: 529

FFP: 145-208 FSIP: 574

BHT - 93 F

DST #3 2958-2974 (Plattsmouth)

45:45:45:45

IF: Strong blow-BOB in 7 min, No return

FF: Strong blow-BOB in 10 sec, No return

Recovery: 660' GIP, 25' M&GCO,

(30% G, 30% O, 40% M), 25' Gsy Oil

(40% G, 60% O)

IHP: 1520 FHP: 1497

IFP: 14-18 ISIP: 707

FFP: 22-31 FSIP: 676

BHT - 100 F

Oil Gravity - 29

### DRILL STEM TESTS #4-7

DST #4 3082-3120 (LKC "A-C")

45:45:45:45

IHP: 1520 FHP: 1497  
 IFP: 14-18 ISIP: 707  
 FFP: 22-31 FSIP: 676  
 BHT - 100 F  
 Oil Gravity - 29

**DRILL STEM TESTS #4-7**

**DST #4 3082-3120 (LKC "A-C")**

45:45:45:45  
 IF: Blow built to BOB in 24 min, no return  
 FF: Blow built to BOB in 27.5 min, no return  
 Recovery: 260' GIP, 40' HOCMGCW (38% G, 40% O, 2% W, 20% M), 60' HOCMGCW (38% G, 30% O, 2% W, 30% M)  
 IHP: 1571 FHP: 1524  
 IFP: 18-34 ISIP: 394  
 FFP: 36-52 FSIP: 386  
 BHT - 101 F








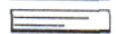
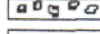

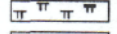

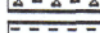






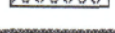
**DST #5 3140-3170 (LKC "E,F")**

45:45:45:45  
 IF: BOB in 3.5 min, return built to 1.5 in  
 FF: BOB in 12 min, return built to 1.5 in  
 Recovery: 700' GIP, 10' Gsy oil (30% G, 70% O), 10' SI WCMO (60% O, 10% W, 30% M), 60' VSOCWM (2% O, 30% W, 68% M), 120' MW (90% W, 10% M)  
 IHP: 1591 FHP: 1609  
 IFP: 22-70 ISIP: 294  
 FFP: 74-109 FSIP: 280  
 BHT - 104 F  
 Oil Grav - 40  
 Chordes - 38,000 ppm

**DST #6 3338-3350 (Arbuckle)**

45:45:45:45  
 IF: BOB in 20 sec, return built to 1/4"  
 FF: BOB in 1 min, no return  
 Recovery: 2356' Gsy Oil (40% G, 60% O), 30' GOWM (20%G, 30% O, 2% W, 48%M)  
 IHP: 1591 FHP: 1609  
 IFP: 22-70 ISIP: 294  
 FFP: 74-109 FSIP: 280  
 BHT - 104 F  
 Oil Gravity - 36

**ROCK TYPES**

 Anhy	 Coal	 Lmst	 Shcol
 Bent	 Congl	 Meta	 Shgy
 Brec	 Dol	 Mrlst	 Sitst
 Cht	 Gyp	 Salt	 Ss
 Clyst	 Igne	 Shale	 Tll

**OTHER SYMBOLS**

<b>OIL SHOW</b>	 Dead	<b>INTERVAL</b>	<b>EVENT</b>
 Even	 Gas	 Core	 Conn
 Spotted		 Dst	 Rft
 Ques			 Sidewall

Curve Track 1  
 ROP (min/ft)

OTHER SYMBOLS

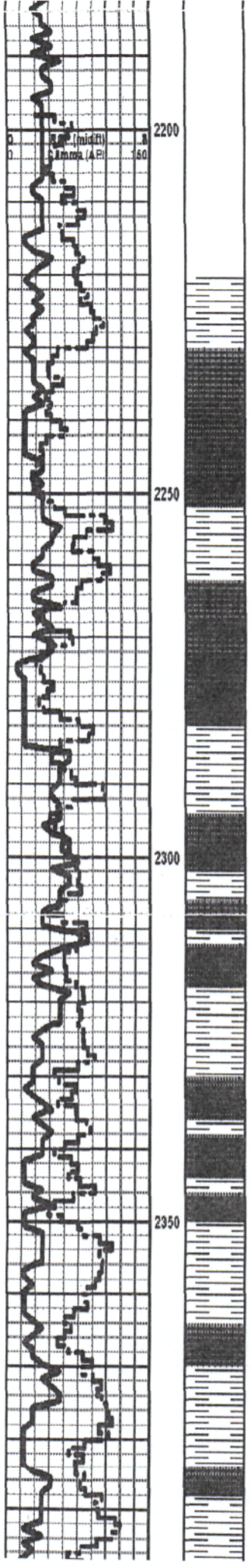
OIL SHOW  
 ☐ Even  
 ⊗ Spotted  
 ⊙ Ques

☐ Dead  
 ⊗ Gas

INTERVAL  
 ■ Core  
 □ Dst

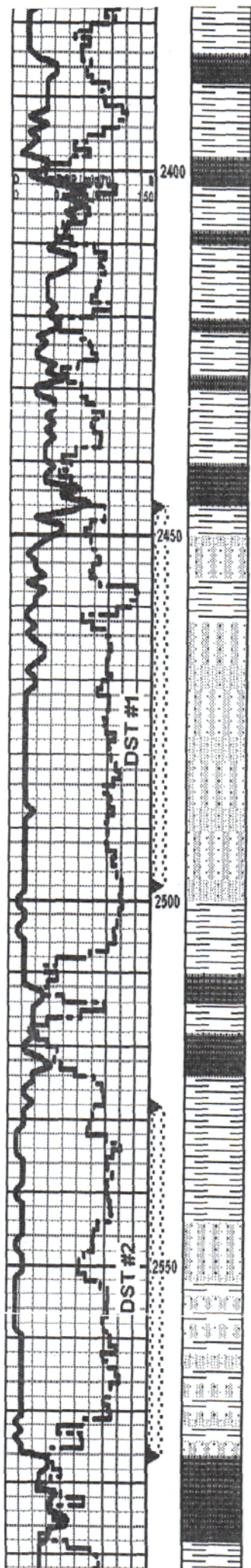
EVENT  
 ▭ Conn  
 ▽ Rft  
 ▾ Sidewall

Curve Track 1 RCP (min/ft) _____ Gamma (API) _____	Depth	Lithology	Oil Shows	Geological Descriptions	REMARKS
	<p>2000</p> <p>2100</p> <p>2150</p> <p>2200</p>				<p>The following are sample formation tops &amp; associated datums (with KB of 1898'). Please refer to the main header for electric log tops &amp; datums:</p> <p><b>NOTES:</b></p> <p>8-5/8" Surface casing set @ 465'              w/225sacks cement              Deviation survey @ 870': 1-1/2 degrees</p> <p>Geologist on location @ 4:30 PM on 8/25/11              @ depth of 2195'</p> <p><b>TOP ANHYDRITE - 879 +1013)</b>  <b>BASE ANHYDRITE - 910 (+982)</b></p>



LS: wh-tan, fxl, foss, sl chalky, fr in xln por, NS  
 LS: wh-tan, fxl, foss, sl chalky, fr in xln por, NS  
 SH: gry-grm-blk  
 LS: crm-tan-brn, vfxl, foss, chalky, dense, NS  
 LS: tan-gry, vfxl, dense foss, NS  
 SH: gry-grm-blk  
 LS: tan-gry, vfxl, dense foss, NS  
 LS: crm-gry, vfxl, foss, sl chalky, mottled, dense, NS  
 SH: gry  
 Silt & SH: gry, micaceous  
 LS: crm-tan-gry, fxl, foss, mottled, dense, NS  
 Silt & SH: gry, w/ some micaceous sst  
 LS: crm-tan, fxl, foss, dense, NS  
 SH: gry  
 SH: gry  
 LS: crm-gry, fxl, sl foss, dense, NS  
 SH: gry-grm  
 LS: tan-gry, fxl, sl foss, dense, NS  
 SH: gry





SH: gry-grn

LS: tan-gry, f&ln, sl foss, dense, NS

SH: gry

LS: crm-gry, kln, foss, sl chaly, dense, NS

LS: crm-gry, f&ln, foss, sl chaly, dense, NS

SH: gry-grn-red (silty)

SH: gry-grn-red (silty)

SH: gry-grn-red (silty)

LS: crm-tan-gry, v&ln, foss, dense, NS

Set gry, f-vty clusters w/ CaCO<sub>2</sub> cement, poorly std, sub-ang, friable, sl shaly, fr-gd inter-gran por, glauconitic, micaceous, ssfo, lt brn sat stn, fr odor

Set gry, f-vty clusters w/ CaCO<sub>2</sub> cement, poorly std, sub-ang, friable, sl shaly, fr-gd inter-gran por, glauconitic, micaceous, ssfo, lt brn sat stn, fr odor

Set gry, f-vty clusters w/ CaCO<sub>2</sub> cement, poorly std, sub-ang, friable, sl shaly, fr-gd inter-gran por, glauconitic, micaceous, ssfo (gry on brk), lt brn sat stn, fr odor

SH: gry-grn

SH: gry-grn

LS: crm-gry, v&ln, foss, dense, NS

LS: crm-tan, v&ln, dense, NS

SH: gry-grn (sandy)

SH: gry-grn (sandy)

Set gry, v-fgr, prly std, sub-ang, friable, micaceous, fr-gd int-grn por, ssfo (gry on brk, lt brn sat stn, gd odor (oil floating on wd - sample cup)

Set gry, fgr, prly std, friable clusters, NS (abund. gry SH)

LS: tan-gry, v&ln, dense foss, sl chaly, NS

LS: crm-tan, v&ln, dense, NS

SH: gry-grn

**GRAND HAVEN 2443 (-552)**

DST #1 2446-2488' (Tarkio)  
 45:45:45  
 IF: BOB in 4 min, no return  
 FF: BOB in 10 sec, no return  
 Recovery: 60' Mud  
 IHP: 1180 FHP: 1144  
 IFP: 26-29 ISIP: 442  
 FFP: 25-125 FSIP: 488  
 BHT - 92 F  
 Note: May have been low methane gas to surface, could not smell or burn

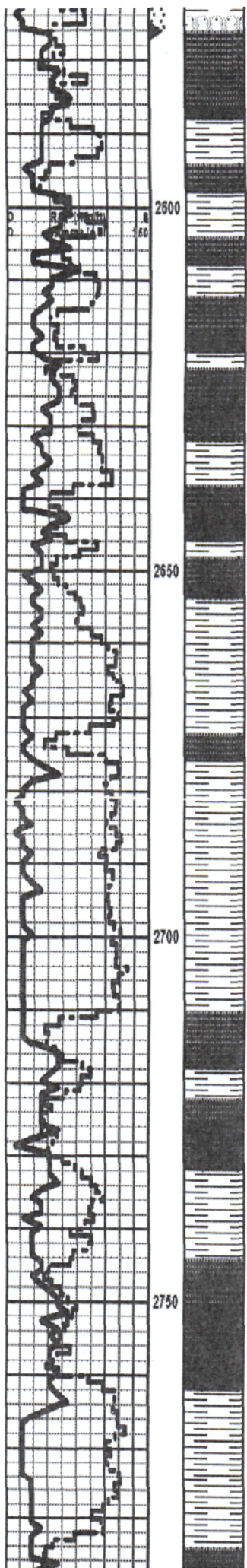
Strapped pipe @ 2488' - 0.227' short to board  
 Deviation survey @ 2488' - 3/4 degree

CF 6 @ 2498'

**TARKIO LIME 2512 (-621)**

DST #2 2528-2576 (Willard)  
 45:45:45  
 IF: BOB in 3 min, return in 15 sec - stable @ 2" blow  
 FF: BOB in 9 min, return in 30 sec - stable @ 2" blow  
 Recovery: 45' VSOCM (2% O, 98% M),  
 120' MW (35% M, 65% W), 240' MW (95% W, 5% M)  
 IHP: 1210 FHP: 1175  
 IFP: 138-529 ISIP: 529  
 FFP: 145-208 FSIP: 574  
 BHT - 93 F

CF 3 @ 2576'



LS: tan-gry, vxl n, dense foss, sl chaly, NS

LS: crm-tan, vxl n, dense, NS

SH: gry-grn

SH: gry-grn

LS: tan, vxl n, foss, dense, NS

SH: blk-gry

SH: gry

LS: crm-tan, vxl n, foss, dense, NS

LS: crm-tan, vxl n, foss, dense, NS

SH: gry-grn-red

LS: tan-gry, vxl n, foss, dense, NS

SH: gry

SH: gry

Sat: crm-gry, fgr, prly std, sub-ang, friable, NS

LS: crm-tan, fxl n, foss, mottled, dense, NS

Sat: gry-grn, f-gr, prly std, sub-ang, friable (abund gry-grn SH)

Sat & SH: as above

Sat & SH: as above

LS: crm-gry, vxl n, foss, dense, sl chaly, NS

SH: gry

LS: crm-gry, vxl n, dense, sl foss, sl chaly, NS

SH: gry-grn-blk

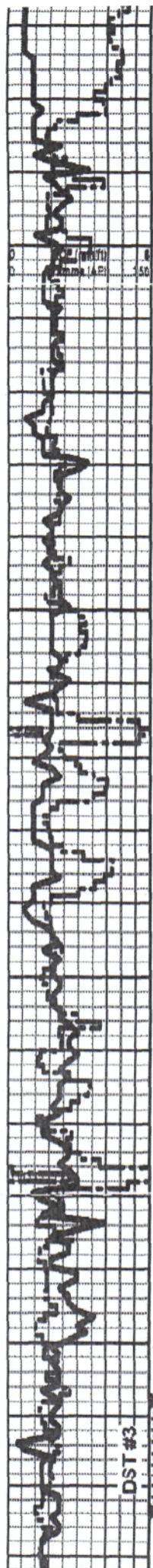
LS: crm-tan-gry, vxl n, foss, mottled, dense, NS

LS: crm-tan-gry, vxl n, foss, mottled, dense, NS

SH: gry

SH: gry

HOWARD 2715 (-824)



SH: gry

SH: gry

LS: crm-gry, vln, foss, dense, NS

LS: crm-gry, vln, foss, dense, NS

LS: crm-gry, vln, foss, dense, NS

SH: gry-grn

LS: crm-tan-gry, vln, sl chalky, sl foss, minor gry cht, dense, NS

LS: crm-tan-gry, vln, sl chalky, sl foss, minor gry cht, dense, NS

LS: crm-tan, vln, sl chalky, foss, dense, NS

LS: crm-tan-gry, vln, sl chalky, sl foss, minor gry cht, dense, NS

LS: crm-tan-gry, vln, sl chalky, sl foss, minor gry cht, dense, NS

SH: blk

SH: gry

LS: crm-tan, vln, foss, chalky, dense, NS

SH: gry-grn

LS: wh-tan-gry, vln, foss, dense, sl chalky, NS

SH: gry-grn

LS: wh-tan, vln, sl foss, dense, NS

SH: gry-grn

SH: gry

SH: blk

● LS: crm-tan, vln, fr-gd vug por, foss, sl fo, even sat str, str odor

LS: crm-tan, vln, sl foss, dense, NS

SH: gry

● LS: crm-gry, vln, partly ool, fr-gd lnx & vug por, sl fo, even sat str, str odor (gsy on brk)

● LS: crm-t brn, vln, mostly ool, gd vug & oomoldic por, gfo, even sat str, str odor (gsy on brk)

● LS: crm-tan-gry, vln, sl foss, chalky, dense, nsfo, rare spotty str, no odor

**TOPEKA 2786 (-895)**

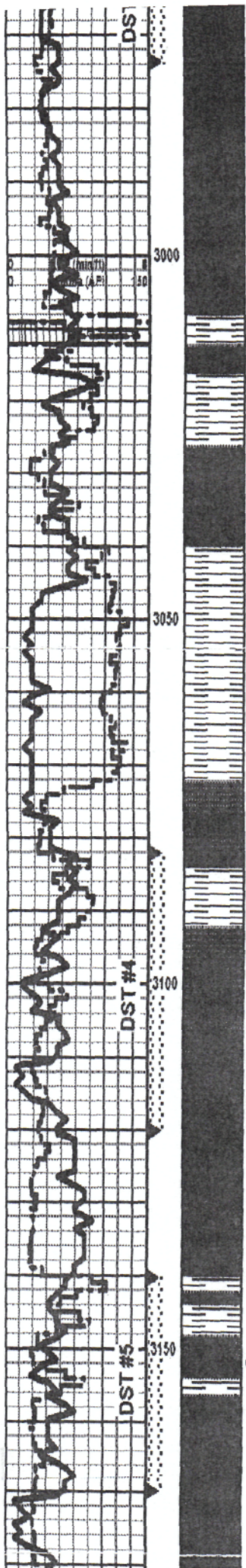
**KING HILL SHALE 2869 (-978)**

**QUEEN HILL SHALE 2929 (-1038)**

CFS @ 2956'

**PLATTSMOUTH 2963 (-1015)**

DST #3 2958-2974 (Plattsouth)  
45:45:45  
IF: Strong blow-BOB in 7 min, No return  
FF: Strong blow-BOB in 10 sec, No return  
Recovery: 660' GIP, 25' M&GCO



• LS: crm-tt brn, fxl'n, mostly ool, gd vug & comoldic por, gsf, even sat stn, str odor (gsy on brk)  
 • LS: crm-tan-gry, vxl'n, sl foss, chalky, dense, nsto, rare spotty stn, no odor  
 LS: crm-tan-gry, vxl'n, foss, chalky, dense, NS  
 LS: crm-tan-gry, vxl'n, foss, chalky, dense, NS  
 SH: blk  
 SH: gry-grn  
 • LS: wh-gry, fxl'n, foss, sl chalky, mostly dense, rare fr vug por w/ssf, spotty stn, sl odor  
 LS: wh-gry, vxl'n, sl foss, sl chalky, dense, NS  
 SH: gry-grn-red  
 SH: gry-grn-red  
 SH: gry-grn-red  
 LS: crm-tan, fxl'n, foss, dense w/rare vug por, sfo, even sat stn, str odor (gsy on brk)  
 SH: gry-grn-brn  
 • LS: crm-gry, fxl'n, gd vug por, fso, even sat stn, str odor  
 • LS: wh-gry, fxl'n, ool'ic, gd lnx'n & vug por, fso, even sat stn, str odor  
 • LS: crm-gry, fxl'n, foss, ool'ic, gd lnx'n & vug por, gsf, even sat stn, str odor  
 • LS: wh-tan, fxl'n, ool'ic, gd vug por, fso, even sat stn, str odor  
 SH: gry-grn-brn  
 LS: wh-tan, vxl'n, dense, NS  
 LS: wh-tan, vxl'n, dense, NS  
 SH: gry-grn-red  
 • LS: crm-tan-gry, fxl'n, gd vug por, fso, even sat stn, str odor  
 • LS: wh-gry, fxl'n, ool'ic in pt. fr-gd lnx'n & vug por, fso, even sat stn, str odor  
 SH: blk gry-grn

DST #3 2958-2974 (Platmouth)  
 45:45:45  
 CFS @ 2974' IF: Strong blow-BOB in 7 min, No return  
 FF: Strong blow-BOB in 10 sec, No return  
 Recovery: 660' GIP, 25' M&GCO,  
 (30% G, 30% O, 40% M), 25' Gay Oil  
 (40% G, 60% O)  
 IHP: 1520 FHP: 1497  
 IFP: 14-18 ISIP: 707  
 FFP: 22-31 FSIP: 676  
 BHT - 100 F  
 Oil Gravity - 29

HEEBNER 3013 (-1122)

TORONTO 3032 (-1141)

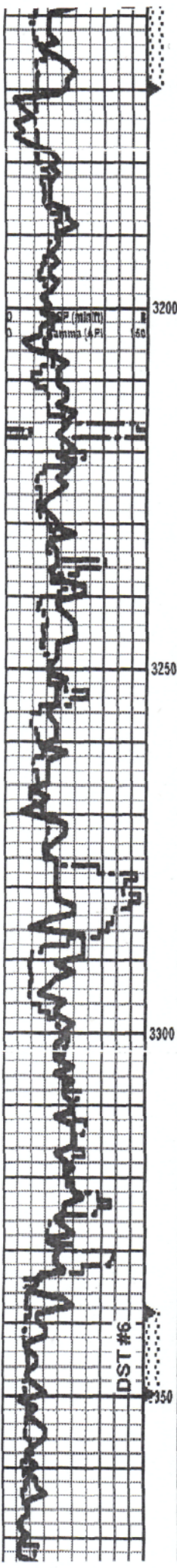
LANSING 3077 (-1186)

DST #4 3082-3120 (LKC "A-C")  
 45:45:45  
 IF: Blow built to BOB in 24 min, no return  
 FF: Blow built to BOB in 27.5 min, no return  
 Recovery: 260' GIP, 40' HOCMGCW (38% G, 40% O,  
 2% W, 20% M), 80' HOCMGCW (38% G, 30% O, 2% W,  
 30% M)  
 IHP: 1571 FHP: 1524  
 IFP: 18-34 ISIP: 394  
 FFP: 36-52 FSIP: 386  
 BHT - 101 F

CFS @ 3120'

DST #5 3140-3170 (LKC "E,F")  
 45:45:45  
 IF: BOB in 3.5 min, return built to 1.5 in  
 FF: BOB in 12 min, return built to 1.5 in  
 Recovery: 700' GIP, 10' Gay oil (30% G, 70% O),  
 10' SI WCNO (60% O, 10% W, 30% M),  
 80' V SOCWM (2% O, 30% W, 68% M),  
 120' MW (90% W, 10% M)  
 IHP: 1501 FHP: 1609  
 IFP: 22-70 ISIP: 294  
 FFP: 74-109 FSIP: 280  
 BHT - 104 F  
 Oil Grav - 40

CFS # 3170'



- LS: wh-gry, fxl, oolitic in pt, fr-gd in xln & vug por, fsfo, even sat str, str odor
- SH: blk gry-grn
- LS: wh-tan, fxl, sl foss, dense, NS
- LS: wh-tan, vfxln, dense, NS
- LS: wh-tan, vfxln, dense, NS
- LS: wh-tan, fxl, oolitic, no vis por, NS
- LS: wh-tan-gry, vfxln, dense, NS
- SH: blk gry
- LS: wh-tan-gry, vfxln, dense, NS
- LS: wh-tan-gry, vfxln, sl chalky, minor chert, dense, NS
- SH: gry-grn
- LS: wh-gry, fxl, oolitic in pt, fr-gd vug por, ssfo, spotty str, sl odor
- LS: wh-tan, fxl, oolitic in pt, gd in xln & vug por, fsfo, spotty str, fr odor
- LS: crm-tan-brn, f-vfxln, mostly dense, rare fr vug por, ssfo, spotty str, sl odor
- LS: wh-tan, vfxln, dense, NS
- SH: gry-grn-red
- LS: crm-tan, vfxln, dense, NS
- LS: crm-tan, vfxln, dense, NS
- SH: gry-grn
- LS & CHT multic, dense, NS
- LS & CHT as above
- SH: multic
- SH: gry-grn
- DOL: wht, f-mxln, rhombic, fr-gd in xln & vug por, ssfo, spotty str, str odor
- DOL: wht, f-mxln, rhombic, fr-gd in xln & vug por, fsfo, even str, str odor
- DOL: wht, m-cxln, rhombic, fr-gd in xln & vug por, ssfo, spotty str, str odor
- DOL: wht, m-cxln, rhombic, gd in xln & vug por, fsfo, even sat str, str odor
- DOL: as above w/abund gry-orn SH

80' VSOCWM (2% O, 30% W, 68% M),  
 120' MW (90% W, 10% M)  
 IHP: 1591 FHP: 1609  
 IFF: 22-70 ISIP: 294  
 FFP: 74-109 FSIP: 280  
 BHT - 104 F  
 Oil Grav - 40  
 Chlorides - 38,000 ppm

**MUNCIE CREEK 3217 (-1326)**

CFS @ 3238'

CFS @ 3262'

CFS @ 3280'

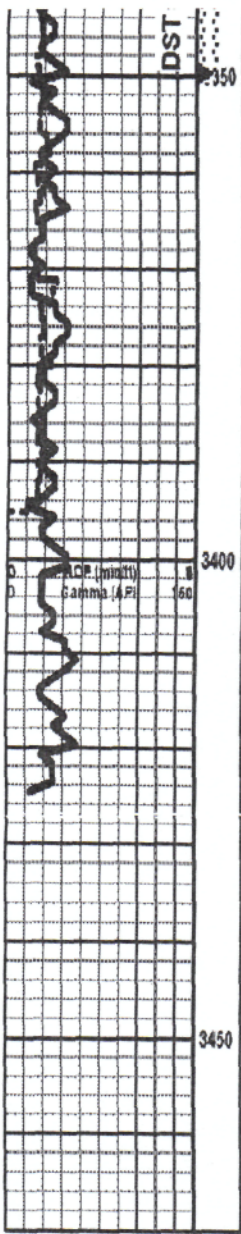
CFS @ 3300'  
**BKC 3301 (-1410)**

CFS @ 3314'

**ARBUCKLE 3338 (-1447)**

DST #6 3338-3350 (Arbuckle)  
 45:45:45  
 IF: BOB in 20 sec, return built to 1/4"  
 FF: BOB in 1 min, no return  
 Recovery: 2358 Gsy Oil (40% G, 60% O),  
 30' GOWM (20% G, 30% O, 2% W, 48% M)  
 IHP: 1591 FHP: 1609  
 IFF: 22-70 ISIP: 294  
 FFP: 74-109 FSIP: 280  
 BHT - 104 F  
 Oil Gravity - 38

CFS @ 3330'



DST

3450  
3400  
3450

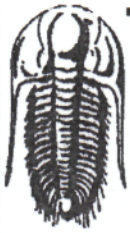
- str odor
  - DOL: wht, f-cxln, rhombic, fr-gd lnxln & vug por, fsto, even str, str odor
  - DOL: wht, m-cxln, rhombic, fr-gd lnxln & vug por, ssto, spotty str, str odor
  - DOL: wht, m-cxln, rhombic, gd lnxln & vug por, fsto, even sat str, str odor
  - DOL: as above w/abund gry-grn SH
  - DOL: wht, f-cxln, rhombic, dense to gd lnxln & vug por, as to, spotty str, fair odor
  - DOL: as above w/ssto, spotty str, sl odor
  - DOL: as above, barren
  - DOL: as above, barren
  - DOL: wht, f-cxln, dense, NS
  - DOL: wht, f-cxln, dense, NS
- RTD @ 3425'
- LTD @ 3424'

DST # 3338-3350 (Arbuckle)  
43:45:45:45  
IF: BOB in 20 sec, return built to 1/4"  
FF: BOB in 1 min, no return  
Recovery: 2356' Gsy Oil (40% G, 60% O),  
30' GOWM (20% G, 30% O, 2% W, 48% M)  
IHP: 1591 FHP: 1609  
IFP: 22-70 ISIP: 294  
FFP: 74-109 FSIP: 280  
BHT - 104 F  
Oil Gravity - 38

CF 8 @ 3380'

Deviation survey @ 3425' - 1 degree

5-1/2" production casing set @ 3422' w/150 sacks



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

Mai Oil Operations, Inc.  
8411 Preston Rd. Ste.# 800  
Dallas, TX 75225  
ATTN: Steve Murphy

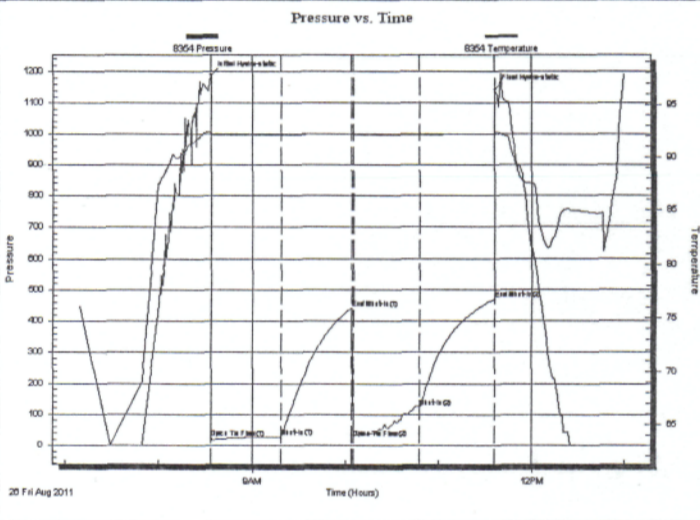
**Flegler C#1**  
**11-15-14 Russell,KS**  
Job Ticket: 45232      DST#: 1  
Test Start: 2011.08.26 @ 06:59:15

**GENERAL INFORMATION:**

Formation: **Tarkio**  
Deviated: **No** Whipstock:                      ft (KB)  
Time Tool Opened: 08:33:15  
Time Test Ended: 12:59:45  
Test Type: Conventional Bottom Hole  
Tester: Dustin Rash  
Unit No: 38  
Interval: **2446.00 ft (KB) To 2498.00 ft (KB) (TVD)**  
Reference Elevations: 1891.00 ft (KB)  
Total Depth: 2498.00 ft (KB) (TVD)                      1885.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Fair                      KB to GR/CF: 6.00 ft

**Serial #: 8354**      **Inside**  
Press@RunDepth: 124.71 psig @ 2449.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2011.08.26      End Date: 2011.08.26      Last Calib.: 2011.08.26  
Start Time: 07:09:15      End Time: 12:59:45      Time On Btm: 2011.08.26 @ 08:33:05  
Time Off Btm: 2011.08.26 @ 11:36:15

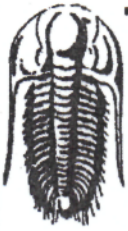
**TEST COMMENT:** IF-Strong building blow . BOB in 4 minutes 5 seconds.  
ISI-No Return.  
FF-Strong building blow . BOB in 10 seconds.  
FSI-No Return.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1188.51	92.35	Initial Hydro-static
1	26.10	91.99	Open To Flow (1)
46	28.72	92.09	Shut-In(1)
91	442.14	92.20	End Shut-In(1)
92	24.88	92.14	Open To Flow (2)
135	124.71	92.10	Shut-In(2)
183	467.67	92.17	End Shut-In(2)
184	1144.33	92.32	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
60.00	100%Mud	0.30

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

Mai Oil Operations, Inc.  
8411 Preston Rd. Ste.# 800  
Dallas, TX 75225  
ATTN: Steve Murphy

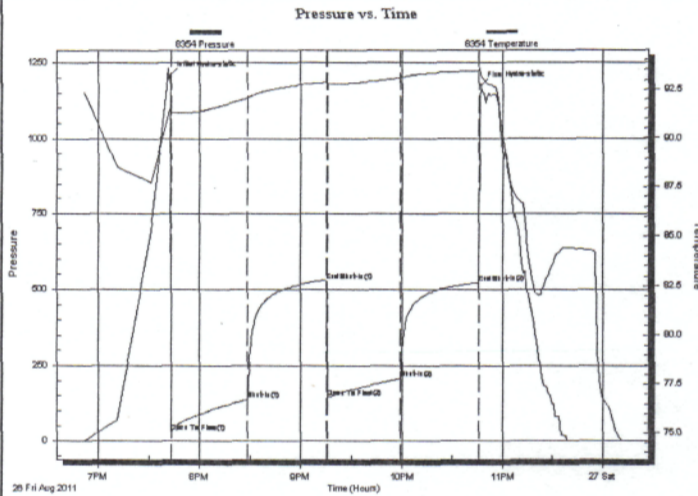
**Flegler C#1**  
**11-15-14 Russell,KS**  
Job Ticket: 45233      **DST#: 2**  
Test Start: 2011.08.26 @ 18:41:15

**GENERAL INFORMATION:**

Formation: **Willard Sand**  
Deviated: No Whipstock:      ft (KB)  
Test Type: Conventional Bottom Hole  
Time Tool Opened: 19:43:05  
Tester: Dustin Rash  
Time Test Ended: 00:12:15  
Unit No: 38  
Interval: **2528.00 ft (KB) To 2576.00 ft (KB) (TVD)**  
Reference Elevations: 1891.00 ft (KB)  
Total Depth: 2576.00 ft (KB) (TVD)  
1885.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
KB to GR/CF: 6.00 ft

**Serial #: 8354      Inside**  
Press@RunDepth: 207.84 psig @ 2563.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2011.08.26      End Date: 2011.08.27      Last Calib.: 2011.08.27  
Start Time: 18:51:15      End Time: 00:12:15      Time On Btm: 2011.08.26 @ 19:42:45  
Time Off Btm: 2011.08.26 @ 22:47:15

**TEST COMMENT:** IF-Strong building blow . BOB in 3 minutes.  
ISI-Return @ 30 seconds. Built to 2 inches.  
FF-Strong building blow . BOB in 9 minutes.  
FSI-Return @ 30 seconds. Built to 3 inches.



**PRESSURE SUMMARY**

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1210.15	91.48	Initial Hydro-static
1	30.99	91.19	Open To Flow (1)
46	137.83	92.06	Shut-In(1)
93	529.26	92.87	End Shut-In(1)
93	144.67	92.78	Open To Flow (2)
137	207.84	93.08	Shut-In(2)
183	523.82	93.43	End Shut-In(2)
185	1175.02	93.27	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
240.00	95%Water/5%Mud	2.26
120.00	65%Water/35%Mud	1.68
45.00	98%Mud/2%Oil	0.63

**Gas Rates**

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





**TRILOBITE TESTING, INC**

**DRILL STEM TEST REPORT**

Mai Oil Operations, Inc.  
 8411 Preston Rd. Ste.# 800  
 Dallas, TX 75225  
 ATTN: Steve Murphy

**Flegler C#1**  
**11-15-14 Russell,KS**  
 Job Ticket: 45234      DST#: 3  
 Test Start: 2011.08.27 @ 20:00:20

**GENERAL INFORMATION:**

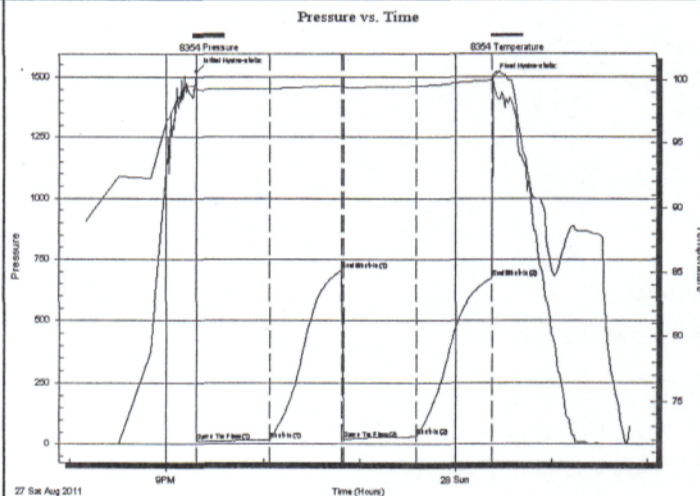
Formation: **Platts mouth**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 21:18:30  
 Time Test Ended: 01:48:50  
 Interval: **2958.00 ft (KB) To 2974.00 ft (KB) (TVD)**  
 Total Depth: 2974.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Dustin Rash  
 Unit No: 38  
 Reference Elevations: 1891.00 ft (KB)  
 1885.00 ft (CF)  
 KB to GR/CF: 6.00 ft

**Serial #: 8354**

Inside

Press@RunDepth: 31.21 psig @ 2961.00 ft (KB)  
 Start Date: 2011.08.27 End Date: 2011.08.28  
 Start Time: 20:10:20 End Time: 01:48:50  
 Capacity: 8000.00 psig  
 Last Calib.: 2011.08.28  
 Time On Btmr: 2011.08.27 @ 21:18:20  
 Time Off Btmr: 2011.08.28 @ 00:23:20

**TEST COMMENT:** IF-Strong building blow . BOB in 7 minutes.  
 ISI-No Return  
 FF-Strong building blow . BOB in 10 seconds.  
 FSI-No Return.



**PRESSURE SUMMARY**

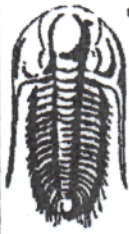
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1519.75	99.61	Initial Hydro-static
1	14.41	99.06	Open To Flow (1)
46	18.41	99.30	Shut-In(1)
91	706.76	99.56	End Shut-In(1)
92	22.35	99.43	Open To Flow (2)
137	31.21	99.51	Shut-In(2)
185	676.25	99.97	End Shut-In(2)
185	1496.88	100.30	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
25.00	60%Oil/40%Gas	0.35
25.00	40%Mud/30%Oil/30%Gas	0.35
0.00	660' G.I.P.	0.00

**Gas Rates**

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

Mai Oil Operations, Inc.  
8411 Preston Rd. Ste.# 800  
Dallas, TX 75225  
ATTN: Steve Murphy

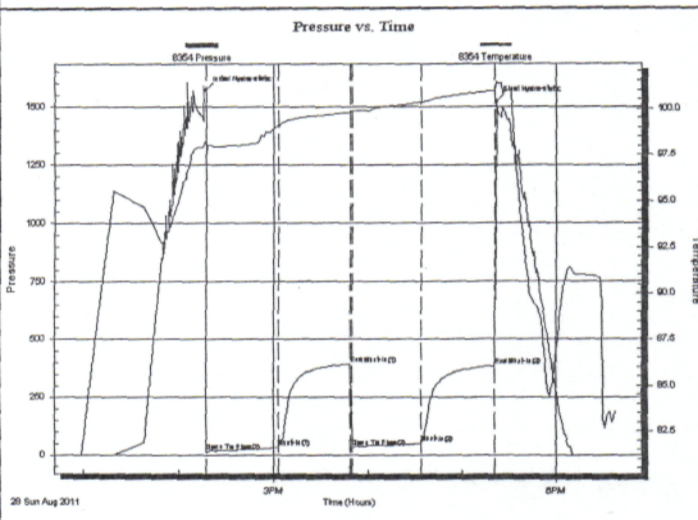
**Flegler C#1**  
**11-15-14 Russell,KS**  
Job Ticket: 45235      **DST#: 4**  
Test Start: 2011.08.28 @ 12:48:20

**GENERAL INFORMATION:**

Formation: **LKC "A-C"**  
Deviated: No Whipstock:                      ft (KB)  
Time Tool Opened: 14:17:20  
Time Test Ended: 18:38:20  
Interval: **3082.00 ft (KB) To 3120.00 ft (KB) (TVD)**  
Total Depth: 3120.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole  
Tester: Dustin Rash  
Unit No: 38  
Reference Elevations: 1891.00 ft (KB)  
1885.00 ft (CF)  
KB to GR/CF: 6.00 ft

**Serial #: 8354      Inside**  
Press@RunDepth: 52.11 psig @ 3084.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2011.08.28      End Date: 2011.08.28      Last Calib.: 2011.08.28  
Start Time: 12:58:20      End Time: 18:38:20      Time On Btm: 2011.08.28 @ 14:17:10  
Time Off Btm: 2011.08.28 @ 17:21:50

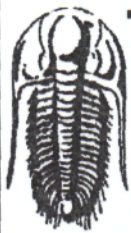
**TEST COMMENT:** IF-Fair building blow . BOB in 24 minutes.  
ISI-No Return.  
FF-Fair building blow . BOB in 27 minutes 30 seconds.  
FSI-No Return.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1571.04	98.24	Initial Hydro-static
1	18.08	97.49	Open To Flow (1)
46	33.67	99.06	Shut-In(1)
92	393.92	99.79	End Shut-In(1)
93	35.70	99.82	Open To Flow (2)
137	52.11	100.34	Shut-In(2)
184	386.03	100.94	End Shut-In(2)
185	1523.75	101.41	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
60.00	38%Gas/30%Oil/30%Mud/2%Water	0.84
40.00	40%Oil/38%Gas/20%Mud/2%Water	0.56
0.00	260' G.I.P.	0.00

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Mai Oil Operations, Inc.

**Flegler C#1**

8411 Preston Rd. Ste.# 800  
Dallas, TX 75225

**11-15-14 Russell,KS**

ATTN: Steve Murphy

Job Ticket: 45236

DST#: 5

Test Start: 2011.08.29 @ 01:01:15

### GENERAL INFORMATION:

Formation: **LKC "E-F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:08:15

Time Test Ended: 07:53:45

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 38

Interval: **3140.00 ft (KB) To 3170.00 ft (KB) (TVD)**

Reference Elevations: 1891.00 ft (KB)

Total Depth: 3170.00 ft (KB) (TVD)

1885.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

**Serial #: 8354**

Inside

Press@RunDepth: 108.73 psig @ 3142.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.08.29

End Date:

2011.08.29

Last Calib.: 2011.08.29

Start Time: 01:11:15

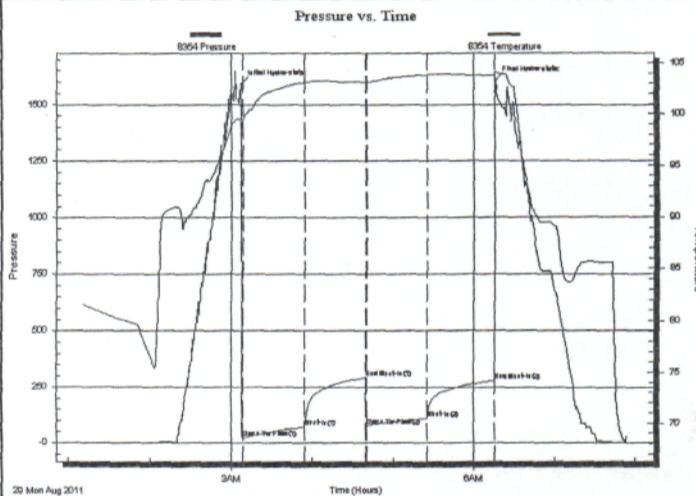
End Time:

07:53:45

Time On Btmr 2011.08.29 @ 03:07:15

Time Off Btmr 2011.08.29 @ 06:16:15

**TEST COMMENT:** IF-Strong building blow . BOB in 3 minutes 30 seconds.  
ISI-Return @ 30 seconds. Built to 1&1/2 inches.  
FF-Fair building blow . BOB in 12 minutes.  
FSI-Return @ 30 seconds. Built to 1&1/2 inches.



### PRESSURE SUMMARY

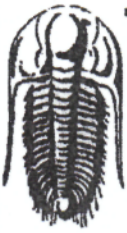
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1590.86	99.54	Initial Hydro-static
1	21.99	99.34	Open To Flow (1)
47	70.43	103.10	Shut-In(1)
93	293.96	103.14	End Shut-In(1)
93	74.12	103.07	Open To Flow (2)
138	108.73	103.82	Shut-In(2)
188	280.07	103.79	End Shut-In(2)
189	1608.57	104.17	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
120.00	90%Water/10%Mud	1.68
60.00	68%Mud/30%Water/2%Oil	0.84
10.00	60%Oil/30%Mud/10%Water	0.14
10.00	70%Oil/30%Gas	0.14
0.00	700' G.I.P.	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.  
 8411 Preston Rd. Ste.# 800  
 Dallas, TX 75225  
 ATTN: Steve Murphy

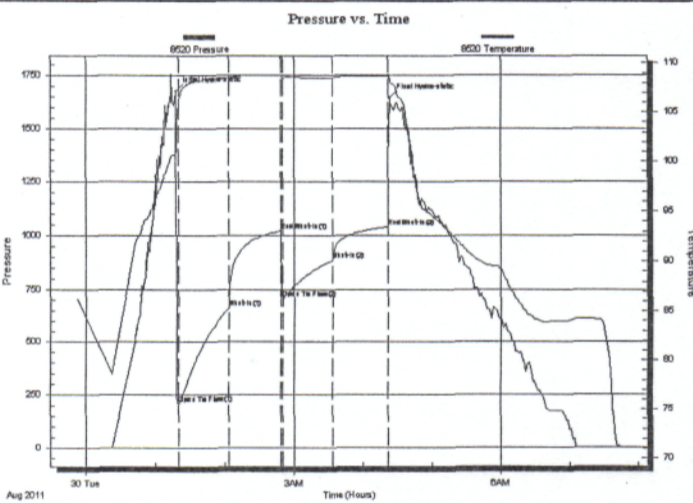
**Flegler C#1**  
**11-15-14 Russell,KS**  
 Job Ticket: 45237 **DST#: 6**  
 Test Start: 2011.08.29 @ 23:52:30

**GENERAL INFORMATION:**

Formation: **Arbuckle**  
 Deviated: **No Whipstock** ft (KB)  
 Time Tool Opened: 01:20:00  
 Time Test Ended: 07:45:00  
 Test Type: **Conventional Bottom Hole**  
 Tester: **Dustin Rash**  
 Unit No: **38**  
 Interval: **3338.00 ft (KB) To 3350.00 ft (KB) (TVD)**  
 Total Depth: **3350.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
 Reference Elevations: **1891.00 ft (KB)**  
**1885.00 ft (CF)**  
 KB to GR/CF: **6.00 ft**

**Serial #: 8520 Outside**  
 Press@RunDepth: **884.07 psig @ 3341.00 ft (KB)** Capacity: **8000.00 psig**  
 Start Date: **2011.08.29** End Date: **2011.08.30** Last Calib.: **2011.08.30**  
 Start Time: **23:52:30** End Time: **07:45:00** Time On Btrt: **2011.08.30 @ 01:17:40**  
 Time Off Btrt: **2011.08.30 @ 04:23:00**

**TEST COMMENT:** IF-Strong building blow. BOB in 20 seconds.  
 IS-Return @ 1 minute. Built to 1/4 inch.  
 FF-Strong building blow. BOB in 1 minute.  
 FSI-No Return.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1678.04	100.82	Initial Hydro-static
3	209.55	106.14	Open To Flow (1)
46	662.30	108.46	Shut-In(1)
91	1021.69	108.77	End Shut-In(1)
93	705.52	108.42	Open To Flow (2)
136	884.07	108.50	Shut-In(2)
184	1039.69	108.69	End Shut-In(2)
186	1644.28	108.27	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
30.00	48%Mud/30%Oil/20%Gas/2%Water	0.42
2356.00	60%Oil/40%Gas	33.05

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

# ALLIED CEMENTING CO., LLC. 038249

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
Russell

DATE <u>8/31/11</u>	SEC. <u>11</u>	TWP. <u>15</u>	RANGE <u>14</u>	CALLED OUT	ON LOCATION	JOB START <u>3:45 PM</u>	JOB FINISH <u>4:40 PM</u>
LEASE <u>Fleske C</u>	WELL# <u>1</u>	LOCATION <u>Russell + 281 5th River</u>			COUNTY <u>Russell</u>	STATE <u>Ks.</u>	
OLD OR NEW (Circle one) <u>NEW</u>		<u>15 1 3/4 E 15 WINTA</u>					

CONTRACTOR <u>Southwind Drilling Co #3</u>	OWNER <u>2.02 8.3</u>
TYPE OF JOB <u>Production String</u>	
HOLE SIZE <u>7 7/8</u>	T.D. <u>3424'</u>
CASING SIZE <u>5 1/2</u>	DEPTH <u>3422'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX <u>1500 psi</u>	MINIMUM
MEAS. LINE	SHOE JOINT <u>19.75'</u>
CEMENT LEFT IN CSG. <u>19.75'</u>	
PERFS.	
DISPLACEMENT <u>83,026bl</u>	

EQUIPMENT		COMMON		POZMIX		GEL		CHLORIDE		ASC	
PUMP TRUCK # <u>409</u>	CEMENTER <u>Shane Heath</u>										
	HELPER <u>Todd</u>										
BULK TRUCK # <u>481</u>	DRIVER <u>Tony</u>										
BULK TRUCK # <u>410</u>	DRIVER <u>Mark</u>										

REMARKS:  
Rat Hole 30skt  
Insert @ 3400.25  
Est Circulation  
Mixed 1000 Gal WFR-2  
Mixed 120skt 18.5 Salt Tail  
in with 150 skt 10.2 Salt.  
Released Pkg. Displaced 83,026bl  
Cased Pkg @ 1500 psi  
Float Hold

AMOUNT ORDERED	<u>150 60% 18.5 Salt 286'</u>		
	<u>1/4 WFR</u>	<u>100 60% 10.2 Salt 286'</u>	
	<u>1/4 WFR</u>	<u>1000 Gal WFR-2</u>	
COMMON	<u>150</u>	@ <u>16.25</u>	<u>2437.50</u>
POZMIX	<u>100</u>	@ <u>8.50</u>	<u>850.00</u>
GEL	<u>4</u>	@ <u>21.25</u>	<u>85.00</u>
CHLORIDE		@	
ASC		@	
	<u>Salt 33</u>	@ <u>23.95</u>	<u>790.35</u>
	<u>Flt Seal 624</u>	@ <u>2.70</u>	<u>1674.00</u>
HANDLING	<u>287</u>	@ <u>2.25</u>	<u>645.75</u>
MILEAGE	<u>1146/mi. (7)</u>		<u>220.99</u>
			<u>5196.99</u>
	<u>1330.25</u>		
	<u>31.57</u>		
		TOTAL	<u>5196.99</u>

50 374.99  
187.49

8656.10  
1731.22

CHARGE TO: Ma: Oil Operations  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

DEPTH OF JOB		
PUMP TRUCK CHARGE		<u>2225.00</u>
EXTRA FOOTAGE	@	
MILEAGE	<u>14</u>	@ <u>7.00</u> <u>98.00</u>
MANIFOLD	@	
	<u>CVR 14</u>	@ <u>4.00</u> <u>56.00</u>
	@	
TOTAL <u>2379.00</u>		

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.

*Thanks!*

PLUG & FLOAT EQUIPMENT		
<u>13 Turbolizers</u>	@ <u>60.00</u>	<u>780.00</u>
<u>1 Basket</u>	@	<u>236.00</u>
<u>AFU - Float Shoe</u>	@	<u>245.00</u>
<u>Catch down</u>	@	<u>194.00</u>
	@	
TOTAL <u>1455.00</u>		

PRINTED NAME \_\_\_\_\_  
 SIGNATURE [Signature]

SALES TAX (If Any)	<u>480.17</u>
TOTAL CHARGES	<u>9030.99</u>
DISCOUNT <u>50/20</u>	IF PAID IN 30 DAYS
	<u>1918.71</u>

5785.25

# 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. 5146

Date	8-23-11	Sec.	11	Twp.	15	Range	14	County	Russell	State	Ks	On Location		Finish	11:30 PM
Lease	Fiegler C	Well No.	1	Location Russell, Ks - S on 281 Hwy to Walter's											
Contractor	Southwind #3			Owner Rd, IE, 3/4 S, W/S											
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.	465'			Charge To									
Csg.	8 3/8"	Depth	465'			Mai oil operations									
Tbg. Size		Depth	Street												
Tool		Depth	City										State		
Cement Left in Csg.	15'	Shoe Joint	15'			The above was done to satisfaction and supervision of owner agent or contractor.									
Meas Line		Displace	28 1/2 BLS			Cement Amount Ordered 225 5x 60/40 3% CC 2% Gel									

### EQUIPMENT

Pumptrk	1	No.	Cementer	Rick	Common	135
			Helper			
Bulktrk	10	No.	Driver	Mike	Poz. Mix	90
			Driver			
Bulktrk		No.	Driver		Gel.	4
			Driver			

### JOB SERVICES & REMARKS

Remarks:	Cement did Circulate.					
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 238					
	Mileage					

### FLOAT EQUIPMENT

	Guide Shoe					
	Centralizer					
	Baskets					
	AFU Inserts					
	Float Shoe					
	Latch Down					
	1 - Wooden plug					
	Pumptrk Charge Surface					
	Mileage 11					
	Tax					
	Discount					
	Total Charge					

X Signature

Jay Krier

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  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

October 19, 2011

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

Re: ACO1  
API 15-167-23737-00-00  
Flegler 'C' 1  
SE/4 Sec.11-15S-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