



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1151715
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: _____



1151715

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

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 3
Doc ID	1151715

Tops

Name	Top	Datum
Anhydrite	739	+1002
Tarkio Lime	2369	-628
Topeka	2645	-904
Heebner	2873	-1132
Toronto	2891	-1150
Lansing	2936	-1195
Base Kansas City	3141	-1400
Arbuckle	3193	-1452

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

July 15, 2013

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

Re: ACO1
API 15-167-23864-00-00
Flegler 3
NE/4 Sec.10-15S-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
Flegler #3
SW-SE-NE-NE (1125' FNL & 375' FEL)
Section 10-15s-14w
Russell County, Kansas
Page 1

5 1/2" Production Casing

Contractor: Southwind Drilling Co. (Rig #3)
Commenced: May 6, 2013
Completed: May 12, 2013
Elevation: 1741' K.B; 1739' D.F; 1733' G.L.
Casing program: Surface; 8 5/8" @ 431'
Production; 3298'.
Sample: Samples saved and examined 2250' to the Rotary Total Depth.
Drilling time: One (1) foot drilling time recorded and kept 2250 ft. to the Rotary Total Depth.
Measurements: All depths measured from the Kelly Bushing.
Drill Stem Tests: There were six (6) Drill Stem Tests ran by Trilobite Testing Co.
Electric Log: By Nabors Completion & Production Service Co.; Dual Induction, Compensated Density/Neutron Log, and Micro Log.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	739	+1002
Base Anhydrite	779	+962
Grand Haven	2300	-559
1 st Tarkio Sand	2311	-570
Dover	2325	-584
2 nd Tarkio Sand	2329	-588
Tarkio Lime	2369	-628
Elmont	2433	-692
Howard	2574	-833
Topeka	2645	-904
Heebner	2873	-1132
Toronto	2891	-1150
Lansing	2936	-1195
Base Kansas City	3141	-1400
Arbuckle	3193	-1452
Rotary Total Depth	3200	-1559
Log Total Depth	3299	-1558

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

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

1ST TARKIO SAND SECTION

2311-2316' Sand; gray, black, highly shaley, poorly developed, no shows.

2ND TARKIO SAND SECTION

2329-2350' Sand; gray, white, fine grained, sub rounded, friable, trace stain, show free oil, questionable odor.

Drill Stem Test #1 2304-2380'

Times: 30-30-45-45

Blow: Weak

**Recovery: 5' slightly oil cut mud
(2% oil, 98% mud)
120' muddy water, scum of oil**

**Pressures: ISIP 544 psi
FSIP 543 psi
IFP 18-45 psi
FFP 57-72 psi
HSH 1114-1044 psi**

TOPEKA SECTION

2808-2812' Limestone; gray and white, finely crystalline, granular, scattered intercrystalline to pinpoint type porosity, brown and dark brown stain, trace free oil and no odor in fresh samples.

2830-2846' Limestone; cream, sub oomoldic, chalky, poorly developed porosity, trace brown stain, no free oil and no odor.

TORONTO SECTION

2891-2903' Limestone; cream, finely crystalline, scattered pinpoint porosity, trace poor stain, no free oil.

LANSING SECTION

2936-2946' Limestone; tan, oolitic, slightly cherty, poor porosity, no shows.

2958-2966' Limestone; white, gray, fossiliferous, sub oomoldic, chalky, poor stain, trace of free oil and faint odor.

2979-2990' Limestone; cream, white, oomoldic, trace poor stain, trace of free oil and questionable odor.

Drill Stem Test #2 **2940-2990'**

Times: 30-30-30-30

Blow: Weak

Recovery: 10' mud

Pressures:

ISIP	61	psi
FSIP	50	psi
IFP	39-48	psi
FFP	46-47	psi
HSH	1505-1467	psi

3021-3028' Limestone; tan, highly oolitic, slightly chalky, good stain and saturation, good show of free oil and fair odor in fresh samples.

3029-3040' Limestone; white, gray, oomoldic, chalky, poor stain, no show of free oil and questionable odor in fresh samples.

Drill Stem Test #3 **2997-3044'**

Times: 30-30-45-45

Blow: Fair

**Recovery: 2' clean oil
60' muddy water**

Pressures:

ISIP	444	psi
FSIP	438	psi
IFP	15-34	psi
FFP	42-53	psi
HSH	1522-1454	psi

3085-3092' Limestone; gray, finely crystalline, few fossiliferous, cherty, few chalky, no shows.

3100-3110' Limestone; gray, white, oolitic, chalky, trace poor brown stain, no free oil and questionable odor in fresh samples.

3118-3128' Limestone; white, gray, oolitic, scattered porosity, light brown stain, trace of free oil and questionable odor in fresh samples.

3150-3160' Limestone; white/gray, fossiliferous, oolitic, chalky, trace brown stain, no show of free oil and faint odor.

ARBUCKLE SECTION

3193-3200' Dolomite; cream, gray, brown, fine and medium crystalline, few sucrosic, fair to good pinpoint and intercrystalline porosity, good stain and saturation, show of free oil and good odor in fresh samples.

Drill Stem Test #4 **3168-3200'**

Times: 30-30-30-30
Blow: None
Recovery: 1' clean oil
1' mud
Pressures: ISIP 67 psi
FSIP 68 psi
IFP 38-33 psi
FFP 35-31 psi
HSH 1612-1575 psi

3200-3206' Dolomite; as above.

Drill Stem Test #5 **3168-3206'**

Times: 30-30-45-45
Blow: Good
Recovery: 100' clean oil
12' mud
Pressures: ISIP 779 psi
FSIP 715 psi
IFP 52-71 psi
FFP 84-80 psi
HSH 1610-1555 psi

3206-3212' Dolomite; as above, fair stain and saturation, show of free oil and fair odor.

Drill Stem Test #6 **3169-3212'**

Times: 45-45-45-45
Blow: Strong
Recovery: 80' clean oil
44' muddy oil
(40% oil, 60% mud)
Pressures: ISIP 702 psi
FSIP 593 psi
IFP 49-55 psi
FFP 68-73 psi
HSH 1607-1574 psi

3212-3220' Dolomite; white, cream, sandy, scattered porosity, trace stain, show of free oil, trace white chert.

3220-3240' Dolomite; as above, fine and medium crystalline, fair porosity, no shows.

3240-3260' Dolomite; cream, white, medium crystalline, sandy, no shows.

Mai Oil Operations
Flegler #3
SW-SE-NE-NE (1125' FNL & 375' FEL)
Section 10-15s-14w
Russell County, Kansas
Page 5

3260-3280' Dolomite; as above, trace white, very fine grained, sandy,
dolomite, no shows.

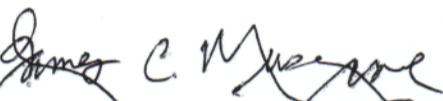
3280-3300' Dolomite; as above, plus white chalky, no shows.

Rotary Total Depth 3300'
Log Total Depth 3298'

Recommendations:

5 1/2" production casing was set and cemented in the Flegler #3.

Respectfully submitted;


James C. Musgrove,
Petroleum Geologist





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mai Oil Operations Inc
 8411 Preston Rd Ste 800
 Dallas TX 75225-5520
 ATTN: Jim Musgrove

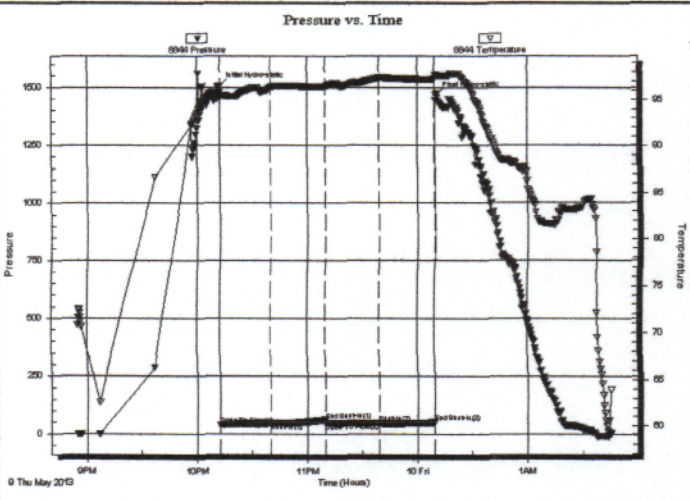
10-15s-14w Russell,KS
Fiegler #3
 Job Ticket: 51611 **DST#: 2**
 Test Start: 2013.05.09 @ 20:55:00

GENERAL INFORMATION:

Formation: **KC**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:12:20
 Time Test Ended: 01:45:09
 Interval: **2940.00 ft (KB) To 2990.00 ft (KB) (TVD)**
 Total Depth: 2990.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Randy Williams
 Unit No: 68
 Reference Elevations: 1741.00 ft (KB)
 1733.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8844 **Inside**
 Press@RunDepth: 47.00 psig @ 2975.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.05.09 End Date: 2013.05.10 Last Calib.: 2013.05.10
 Start Time: 20:55:05 End Time: 01:45:10 Time On Btm: 2013.05.09 @ 22:12:10
 Time Off Btm: 2013.05.10 @ 00:10:00

TEST COMMENT: IF-30- Weak surface blow
 ISI-30- NBB
 FF-30-Weak surface blow
 FSI-30-NBB



PRESSURE SUMMARY

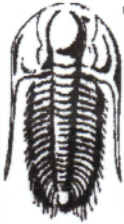
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1505.40	95.75	Initial Hydro-static
1	38.63	95.19	Open To Flow (1)
28	48.01	96.26	Shut-In(1)
58	61.14	96.34	End Shut-In(1)
58	46.14	96.34	Open To Flow (2)
87	47.00	97.33	Shut-In(2)
118	49.64	97.22	End Shut-In(2)
118	1466.64	97.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud 100%	0.14

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 75225-5520
 ATTN: Jim Musgrove

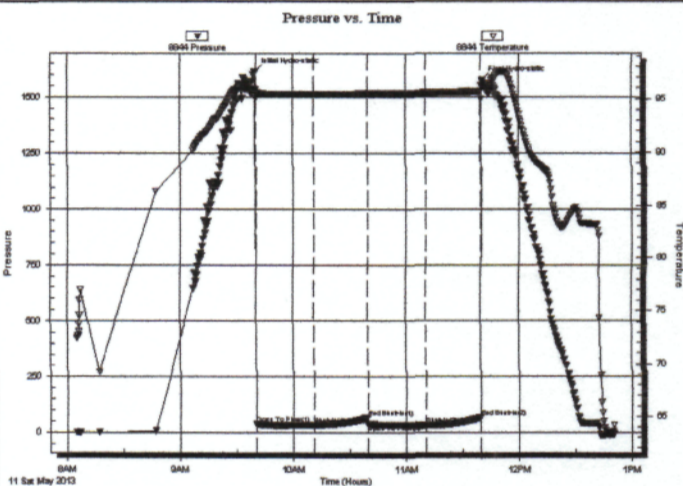
10-15s-14w Russell,KS
Flegler #3
 Job Ticket: 51613 **DST#: 4**
 Test Start: 2013.05.11 @ 08:05:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:40:20
 Time Test Ended: 12:51:00
 Interval: **3168.00 ft (KB) To 3200.00 ft (KB) (TVD)**
 Total Depth: 3200.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Randy Williams
 Unit No: 68
 Reference Elevations: 1741.00 ft (KB)
 1733.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8844 **Inside**
 Press@RunDepth: 31.27 psig @ 3169.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.05.11 End Date: 2013.05.11 Last Calib.: 2013.05.11
 Start Time: 08:05:05 End Time: 12:50:59 Time On Btm: 2013.05.11 @ 09:40:10
 Time Off Btm: 2013.05.11 @ 11:40:30

TEST COMMENT: IF-30- No blow
 ISI-30- NBB
 FF-30- No blow
 FSI-30- NBB



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1611.68	95.87	Initial Hydro-static
1	37.77	95.03	Open To Flow (1)
31	33.21	95.41	Shut-In(1)
60	67.43	95.46	End Shut-In(1)
60	35.15	95.43	Open To Flow (2)
91	31.27	95.53	Shut-In(2)
120	67.50	95.67	End Shut-In(2)
121	1575.24	96.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	CLEAN OIL 100%	0.01
1.00	MUD 100%	0.01

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 75225-5520
 ATTN: Jim Musgrove

10-15s-14w Russell, KS
Fiegler #3
 Job Ticket: 51614 **DST#: 5**
 Test Start: 2013.05.11 @ 17:45:00

GENERAL INFORMATION:

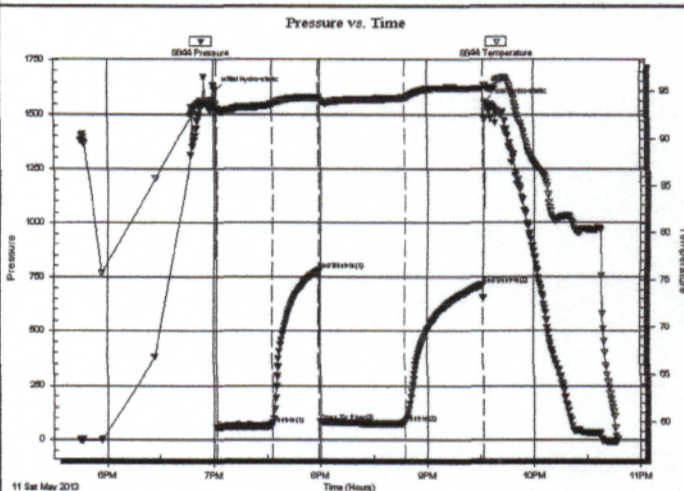
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:01:30
 Time Test Ended: 22:47:30
 Interval: **3168.00 ft (KB) To 3206.00 ft (KB) (TVD)**
 Total Depth: 3206.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Randy Williams
 Unit No: 68
 Reference Elevations: 1741.00 ft (KB)
 1733.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8844

Outside

Press@RunDepth: 80.36 psig @ 3169.00 ft (KB)
 Start Date: 2013.05.11 End Date: 2013.05.11
 Start Time: 17:45:05 End Time: 22:47:29
 Capacity: 8000.00 psig
 Last Calib.: 2013.05.11
 Time On Btmr: 2013.05.11 @ 19:01:10
 Time Off Btmr: 2013.05.11 @ 21:32:40

TEST COMMENT: IF-30- FBB, Built to 9"
 ISI-30- NBB
 FF-45- FBB, Built to 10"
 FSI-45- NBB



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1610.66	93.58	Initial Hydro-static
1	52.07	93.01	Open To Flow (1)
32	70.87	93.64	Shut-In(1)
58	778.87	94.38	End Shut-In(1)
59	83.53	94.04	Open To Flow (2)
106	80.36	94.32	Shut-In(2)
151	714.49	95.37	End Shut-In(2)
152	1555.71	95.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
12.00	MUD 100%	0.17
100.00	CLEAN OIL 100%	1.40

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 75225-5520
 ATTN: Jim Musgrove

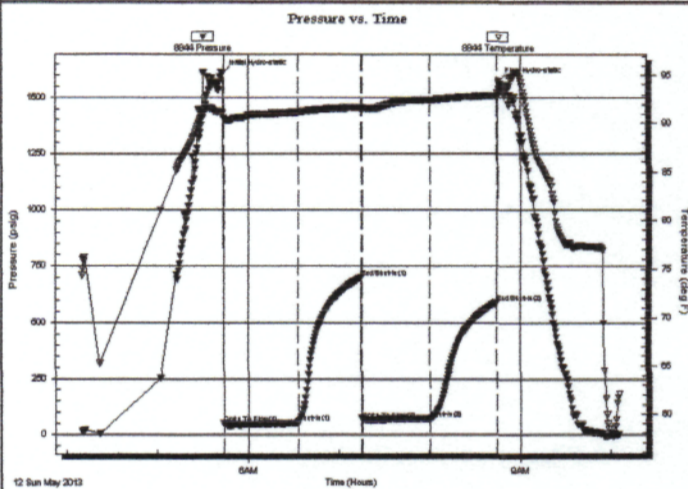
10-15s-14w Russell,KS
Flegler #3
 Job Ticket: 51615 **DST#: 6**
 Test Start: 2013.05.12 @ 04:10:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:43:40
 Time Test Ended: 10:05:50
 Interval: **3169.00 ft (KB) To 3212.00 ft (KB) (TVD)**
 Total Depth: 3212.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Randy Williams
 Unit No: 68
 Reference Elevations: 1741.00 ft (KB)
 1733.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8844 **Inside**
 Press@RunDepth: 72.99 psig @ 3170.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.05.12 End Date: 2013.05.12 Last Calib.: 2013.05.12
 Start Time: 04:10:05 End Time: 10:05:50 Time On Btm: 2013.05.12 @ 05:43:20
 Time Off Btm: 2013.05.12 @ 08:46:00

TEST COMMENT: IF-45- FBB, BOB in 45 min
 ISI-45- NBB
 FF-45- FBB, Built to 9" in 45 min
 FSI-45- NBB



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1607.07	91.12	Initial Hydro-static
1	49.08	90.55	Open To Flow (1)
50	55.48	91.18	Shut-In(1)
92	701.59	91.72	End Shut-In(1)
93	67.96	91.58	Open To Flow (2)
138	72.99	92.46	Shut-In(2)
182	592.88	92.88	End Shut-In(2)
183	1573.62	93.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
44.00	HOCM 40% O 60% M	0.62
80.00	CLEAN OIL 100%	1.12

Gas Rates

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

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. **6667**

Date 5-6-13	Sec. 10	Twp. 15	Range 14	County Russell	State KS	On Location	Finish 5:15 PM
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Location **Russells to Russell 2145 W 2**

Lease Fleeger	Well No. 3	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 3		Charge To Mar Oil
Type Job		
Hole Size 12 1/4	T.D. 431	Street
Csg. 8 3/8	Depth 431	City
Tbg. Size	Depth	State
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg. 20	Shoe Joint 20	Cement Amount Ordered 225 1/2 40 3% cc, 28 gal
Meas Line	Displace 26 7/8 bbl	

EQUIPMENT

	No.	Cementer	Common
Pumptrk 16		Helper MATT	Poz. Mix
	No.	Driver	Gel.
Bulktrk 3		Driver Billy-Lemmon	Calcium
	No.	Driver	
Bulktrk PH		Driver	

JOB SERVICES & REMARKS

Remarks: Central did circulate	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

FLOAT EQUIPMENT

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	1 Kubler 1/4" 8 3/8
	Pumptrk Charge
	Mileage

	Tax	
	Discount	
<input checked="" type="checkbox"/> Signature	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. **8809**

Date	5-13-13	Sec.	10	Twp.	15	Range	14	County	Russell	State	Ks	On Location	Finish
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Lease **Flegler** Location **Russell, Ks - 85, w Kinto**

Well No. **3** Owner **To Quality Oilwell Cementing, Inc.**

Contractor **Southwind** #3 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 **Production** Charge To **Main oil operations**

Hole Size **7 7/8"** T.D. **3300'** Street

Csg. **5 1/2" 14# New** Depth **3293'** City State

Tbg. Size Depth City State

Tool Depth The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. **21.16'** Shoe Joint **21.16'** Cement Amount Ordered **100 SX 60/140 18% Salt 2% Gel 1/4#FS**

Meas Line Displace **79 3/4 BLS** **100 SX 60/140 10% Salt 2% Gel 1/4#FS - 11000 gal mud clear**

EQUIPMENT

Pumptrk	15	No.	Cementer	Nick	Rick	Common
			Helper			Poz. Mix
Bulktrk	3	No.	Driver	Lomie M.		Gel.
			Driver			Calcium
Bulktrk	8	No.	Driver	David		
			Driver			

JOB SERVICES & REMARKS

Remarks: Salt

Rat Hole Flowseal

Mouse Hole Kol-Seal

Centralizers **1-11, 15, 23, 24** Mud CLR 48

Baskets **10' up on 16" Jt.** CFL-117 or CD110 CAF 38

D/V or Port Collar **pipe on bottom, break** Sand

Circulation **pump 1000 gal mud clear** Handling

48, plug Rathole with 30 SX Mileage

Cement. Hook to casing + mix

FLOAT EQUIPMENT

70 SX 60/140 18% Salt 2% Gel 1/4#FS Guide Shoe

100 SX 60/140 10% Salt 2% Gel 1/4#FS Centralizer **14 turbos**

Shut down, wash pump + lines. Baskets **1 weatherford**

Released plug + Displaced with AFU Inserts

79 3/4 BLS of water. Float Shoe **1**

Lift pressure 800 # Latch Down **1**

land plug to 1800 #

Pumptrk Charge

Mileage

Signature Tax

Tax	
Discount	
Total Charge	