



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1089000
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: _____

1089000

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

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> <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 'A' 3
Doc ID	1089000

Tops

Name	Top	Datum
Anhydrite	767	+1001
Tarkio Lime	2401	-593
Topeka	2672	-904
Heebner	2901	-1133
Toronto	2919	-1151
Lansing	2962	-1194
Base Kansas City	3170	-1402
Arbuckle	3255	-1487

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

Sam Brownback, Governor

July 30, 2012

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

Re: ACO1
API 15-167-23797-00-00
Flegler 'A' 3
SW/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.
Flegler 'A; #3
SW-NE-SW-SW (875' FSL & 725' FWL)
Section 3-15s-14w
Russell County, Kansas
Page 1

5 1/2" Production Casing Set

Contractor: Southwind Drilling Co. (Rig #3)
Commenced: May 16, 2012
Completed: May 22, 2012
Elevation: 1768' K.B; 1766' D.F; 1760' G.L.
Casing program: Surface; 8 5/8" @ 375'
Production; 5 1/2" @ 3309'
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 Superior Well Services; Dual Induction, Compensated Density/Neutron and Micro Log.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	767	+1001
Base Anhydrite	801	+967
Grand Haven	2331	-563
1 st Tarkio Sand	2338	-570
Dover	2357	-589
2 nd Tarkio Sand	2361	-593
Tarkio Lime	2401	-633
3 rd Tarkio Sand	2421	-653
Elmont	2464	-696
Howard	2605	-837
Topeka	2672	-904
Heebner	2901	-1133
Toronto	2919	-1151
Lansing	2962	-1194
Area Base Kansas City	3170	-1402
Conglomerate	3217	-1449
Arbuckle	3255	-1487
Rotary Total Depth	3310	-1542
Log Total Depth	3310	-1542

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

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

1ST TARKIO SAND SECTION

2338-2349' Sand; gray, very fine grained, micaceous, shaley, brown and gray stain, show of free oil and no odor in fresh samples, trace gas bubbles,

2ND TARKIO SAND SECTION

2361-2375' Sand; gray, very fine grained, sub angular, shaley in part, trace brown stain, questionable stain, show of free oil and trace gas bubbles.

Drill Stem Test #1 2340-2399'

Times: 30-30-30-30

Blow: Weak

Recovery: 77' mud with oil scum

**Pressures: ISIP 635 psi
FSIP 582 psi
IFP 31-59 psi
FFP 65-84 psi
HSH 1130-1103 psi**

3RD TARKIO SAND SECTION

2421-2426' Sand; gray, very fine grained, micaceous, scattered porosity, trace black and brown stain, trace of free oil and no odor in fresh samples.

2436-2451' Sand; as above, no shows.

TOPEKA SECTION

2848-2860' Limestone; gray, cream, finely crystalline, fossiliferous/oolitic, chalky in part, scattered vuggy and intercrystalline type porosity, brown and gray stain, trace of free oil and faint odor in fresh samples.

TORONTO SECTION

2918-2932' Limestone; white, cream, finely crystalline, slightly dolomitic, pinpoint type porosity, trace brown stain, slight show of free oil and questionable odor in fresh samples.

LANSING SECTION

2962-2970' Limestone; cream, tan, buff, finely crystalline, chalky, poor intercrystalline type porosity, brown stain, trace of free oil and faint to fair odor in fresh samples.

2983-2990' Limestone; cream, white, sub oomoldic, chalky, fair to good oomoldic porosity, trace brown stain, trace of free oil.

3000-3014' Limestone; cream, buff, finely crystalline, oomoldic, fair porosity, no shows.

3014-3030' Limestone; cream, light gray, finely crystalline, chalky, sparry calcite crystals in some porosity, no shows, plus white chert.

Drill Stem Test #2 2970-3030'

Times: 30-45-45-60

Blow: Strong

**Recovery: 186' gas in pipe
45' slightly oil cut mud
(5% oil, 95% mud)
62' oil and gas cut muddy water
(10% gas, 10% oil, 40% water, 40% mud)**

**Pressures: ISIP 642 psi
FSIP 630 psi
IFP 34-49 psi
FFP 50-71 psi
HSH 1516-1475 psi**

3046-3054' Limestone; cream, buff, finely crystalline, chalky in part, fair intercrystalline porosity, brown stain, slight show of free oil and very faint odor.

3059-3071' Limestone; cream, white, oomoldic, chalky, fair oomoldic porosity, golden brown stain, trace of free oil and faint/fair odor in fresh samples.

Drill Stem Test #3 3030-3080'

Times: 30-30-30-30

Blow: Weak

Recovery: 35' mud with oil scum

**Pressures: ISIP 626 psi
FSIP 648 psi
IFP 33-39 psi
FFP 40-48 psi
HSH 1524-1497 psi**

3106-3116' Limestone; cream, gray, oolitic, dense, scattered porosity, black and dark brown stain, trace free oil and no odor in fresh samples.

3125-3138' Limestone; cream, white, chalky, highly oolitic, sparry calcite cement, brown and black stain, trace of free oil and faint odor.

3148-3160' Limestone; cream, finely crystalline, few oomoldic, poorly developed, golden brown stain, trace of free oil and faint odor, plus gray chert.

3191-3197' Limestone; cream, tan, fossiliferous/oolitic, chalky, trace brown and golden brown stain, no free oil and faint odor in fresh samples.

CONGLOMERATE SECTION

3218-3255' Varied colored chert, scattered trace white/tan, cherty limestone and varied colored shale.

ARBUCKLE SECTION

3255-3270' Dolomite; cream, white, finely crystalline, cherty, plus loose white sand grains.

3270-3290' Dolomite; tan, gray, sandy, poor porosity, no shows.

3290-3300' Dolomite; white, tan, finely crystalline, sandy, scattered porosity, no shows.

3300-3310' Dolomite; gray, tan, pink, finely crystalline, sandy, plus gray chert, and white dolomitic sand, no shows.

Rotary Total Depth 3310 (-1542)
Log Total Depth 3310 (-1542)

Recommendations:

5 1/2" production casing was set and cemented.

Respectfully submitted;

Joshua R. Austin & James C. Musgrove
Joshua R. Austin &
James C. Musgrove,
Petroleum Geologists





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mai Oil Operations
8411 Preston RD, STE 800
Dallas TX 75225
ATTN: Josh Austin

3-15s-14w Russell, KS
Fiegler "A" #3
Job Ticket: 47181 **DST#: 1**
Test Start: 2012.05.18 @ 22:25:00

GENERAL INFORMATION:

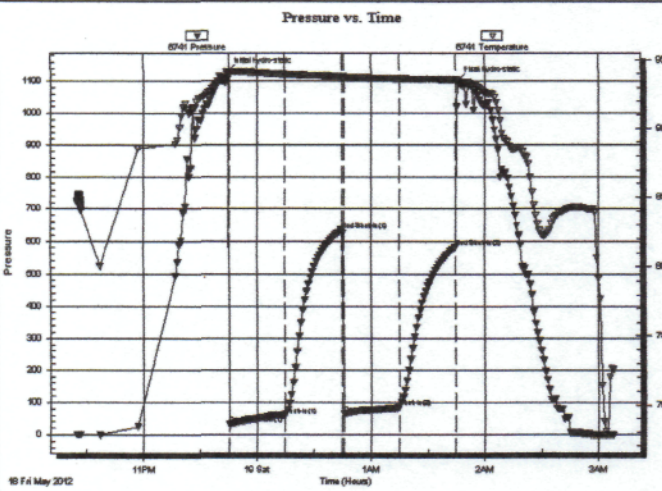
Formation: **Tarkio**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 23:45:00
Time Test Ended: 03:08:30
Interval: **2340.00 ft (KB) To 2399.00 ft (KB) (TVD)**
Total Depth: **2399.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Bottom Hole (Initial)**
Tester: **Cody Bloedorn**
Unit No: **41**
Reference Elevations: **1768.00 ft (KB)**
1760.00 ft (CF)
KB to GR/CF: **8.00 ft**

Serial #: 6741

Outside

Press@RunDepth: **84.80 psig @ 2347.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2012.05.18** End Date: **2012.05.19** Last Calib.: **2012.05.19**
Start Time: **22:25:01** End Time: **03:08:30** Time On Btm: **2012.05.18 @ 23:44:30**
Time Off Btm: **2012.05.19 @ 01:45:30**

TEST COMMENT: 30 - IF- 1" Blow
30 - IS- No blow back
30 - FF- 3/4" blow
30 - FS- No blow back



PRESSURE SUMMARY

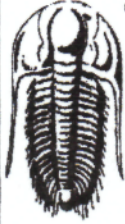
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1130.40	94.16	Initial Hydro-static
1	31.50	93.91	Open To Flow (1)
30	59.91	93.97	Shut-in(1)
60	635.49	93.79	End Shut-in(1)
61	65.35	93.75	Open To Flow (2)
91	84.80	93.63	Shut-in(2)
120	582.28	93.56	End Shut-in(2)
121	1103.25	93.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
77.00	Mud - Oil scum, 100%Mud	0.38

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: Josh Austin

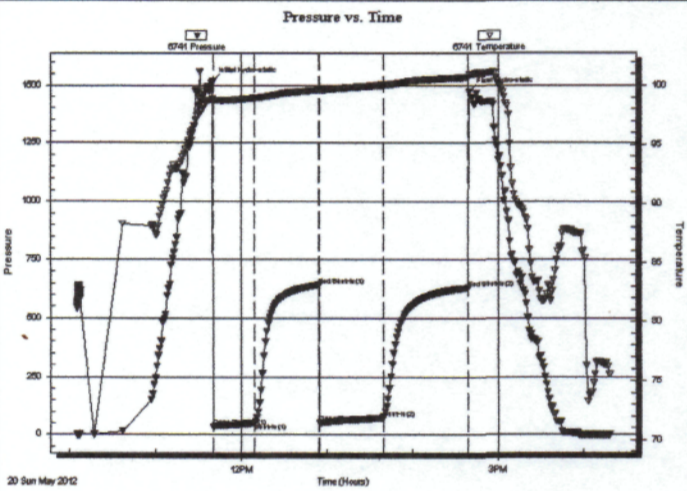
3-15s-14w Russell,KS
Flegler "A" #3
 Job Ticket: 47182 **DST#: 2**
 Test Start: 2012.05.20 @ 10:05:00

GENERAL INFORMATION:

Formation: **KC "A-C"**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 11:40:30
 Time Test Ended: 16:18:30
 Interval: **2970.00 ft (KB) To 3030.00 ft (KB) (TVD)**
 Total Depth: 3030.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Cody Bloedorn
 Unit No: 41
 Reference Elevations: 1768.00 ft (KB)
 1760.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6741 Outside
 Press@RunDepth: 71.40 psig @ 2977.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.05.20 End Date: 2012.05.20 Last Calib.: 2012.05.20
 Start Time: 10:05:01 End Time: 16:18:30 Time On Btm: 2012.05.20 @ 11:40:00
 Time Off Btm: 2012.05.20 @ 14:40:00

TEST COMMENT: 30 - IF- B.O.B. in 19 Min.
 45 - IS- No blow back
 45 - FF- 7" blow
 60 - FS- No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1516.70	98.88	Initial Hydro-static
1	34.27	98.70	Open To Flow (1)
30	49.37	98.93	Shut-In(1)
75	642.33	99.63	End Shut-In(1)
75	50.86	99.60	Open To Flow (2)
120	71.40	100.05	Shut-In(2)
179	630.51	100.71	End Shut-In(2)
180	1473.58	100.91	Final Hydro-static

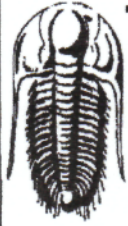
Recovery

Length (ft)	Description	Volume (bbl)
62.00	GSOCWM, 10%G, 10%O, 40%W, 40%M	0.87
45.00	SOCM, 5%O, 95%M	0.63
0.00	186' of G.I.P.	0.00

* Recovery from multiple tests

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: Josh Austin

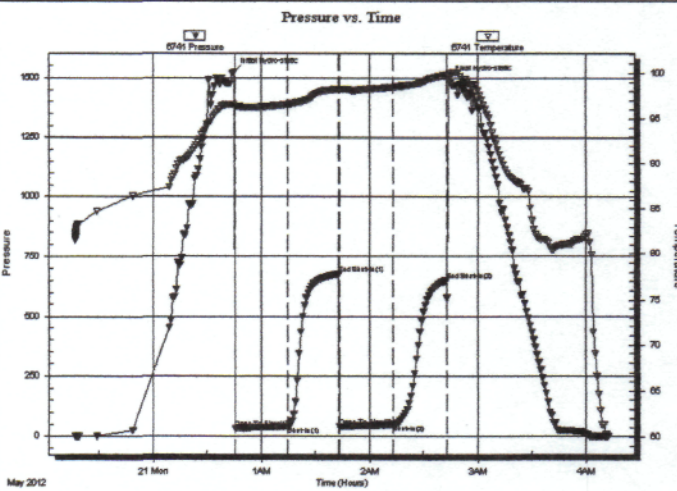
3-15s-14w Russell,KS
Flegler "A" #3
 Job Ticket: 47183 **DST#: 3**
 Test Start: 2012.05.20 @ 23:17:00

GENERAL INFORMATION:

Formation: "E-G"
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:45:30
 Time Test Ended: 04:12:30
 Interval: 3030.00 ft (KB) To 3080.00 ft (KB) (TVD)
 Total Depth: 3080.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Cody Bloedorn
 Unit No: 41
 Reference Elevations: 1768.00 ft (KB)
 1760.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6741 Outside
 Press@RunDepth: 48.14 psig @ 3069.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.05.20 End Date: 2012.05.21 Last Calib.: 2012.05.21
 Start Time: 23:17:01 End Time: 04:12:30 Time On Btm: 2012.05.21 @ 00:45:00
 Time Off Btm: 2012.05.21 @ 02:44:00

TEST COMMENT: 30 - IF- 1 1/4" blow
 30 - IS- No blow back
 30 - FF- 1/4" blow
 30 - FS- No blow back

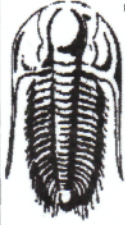


PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1524.81	96.55	Initial Hydro-static
1	33.47	96.33	Open To Flow (1)
30	39.84	96.58	Shut-In(1)
58	676.22	98.26	End Shut-In(1)
59	40.96	98.10	Open To Flow (2)
88	48.14	98.48	Shut-In(2)
118	648.79	99.77	End Shut-In(2)
119	1497.01	99.99	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
35.00	Mud - Oil scum, 100%M	0.49

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mai Oil Operations
8411 Preston RD, STE 800
Dallas TX 75225
ATTN: Josh Austin

3-15s-14w Russell,KS
Flegler "A" #3
Job Ticket: 47184 **DST#: 4**
Test Start: 2012.05.21 @ 12:20:00

GENERAL INFORMATION:

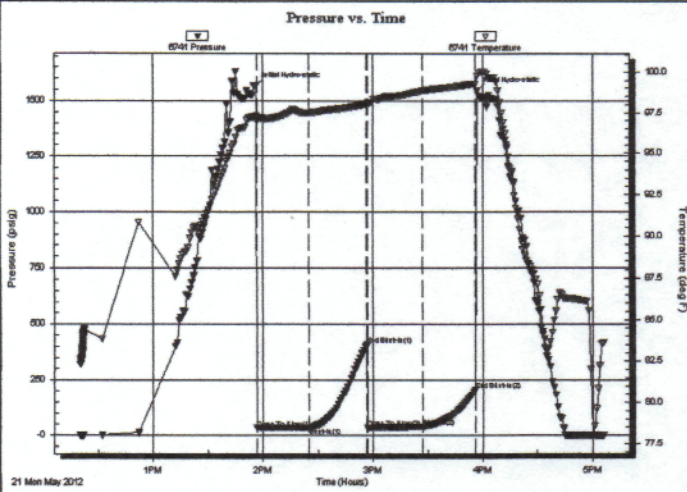
Formation: **"H-K"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:56:30
Time Test Ended: 17:06:00
Interval: **3096.00 ft (KB) To 3160.00 ft (KB) (TVD)**
Total Depth: 3160.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Cody Bloedorn
Unit No: 41
Reference Elevations: 1768.00 ft (KB)
1760.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6741

Outside

Press@RunDepth: 38.27 psig @ 3103.00 ft (KB)
Start Date: 2012.05.21 End Date: 2012.05.21
Start Time: 12:20:01 End Time: 17:06:00
Capacity: 8000.00 psig
Last Calib.: 2012.05.21
Time On Btm: 2012.05.21 @ 13:56:00
Time Off Btm: 2012.05.21 @ 15:57:00

TEST COMMENT: 30 - IF- 3/4" Blow
30 - IS- No blow back
30 - FF- Surface blow
30 - FS- No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1567.92	97.28	Initial Hydro-static
1	33.14	96.96	Open To Flow (1)
29	36.05	97.48	Shut-In(1)
61	406.82	98.02	End Shut-In(1)
61	36.40	98.07	Open To Flow (2)
91	38.27	98.85	Shut-In(2)
120	205.81	99.27	End Shut-In(2)
121	1545.35	99.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud - Oil scum, 100%M	0.28

* Recovery from multiple tests

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. 428
5-23-12

Date	5-22-12	Sec.	3	Twp.	15	Range	14	County	Russell	State	KS	On Location	Finish	2:15AM	
Lease	Flegler A			Well No.	3			Location	Russell, Ks - S to Walter's Rd, 3/4W						
Contractor	Southwind #3							Owner	Minto						
Type Job	Production							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	7 7/8"			T.D.	3310'			Charge To	Mai oil operations						
Csg.	5 1/2" 14# New			Depth	3307'										
Tbg. Size								Street							
Tool								City							
Cement Left in Csg.	23.29'			Shoe Joint	23.29'			The above was done to satisfaction and supervision of owner agent or contractor.							
Meas Line				Displace	80 BLS			Cement Amount Ordered	150 sy 60/40 18% Salt + 2% Gel 1/4 # Flo-seal 1000 gal mud Clear 48						
EQUIPMENT															
Pumptrk	9	No.		Cementer Helper	Matt Rick			100 sy 60/40 10% Salt + 2% Gel 1/4 # Flo seal 1000 gal mud Clear 48							
Bulktrk	13	No.		Driver	Doug			Common							
Bulktrk	14	No.		Driver	Lorrie			Poz. Mix							
JOB SERVICES & REMARKS															
Remarks:								Calcium							
Rat Hole	30 sy							Hulls							
Mouse Hole	N/A							Salt							
Centralizers	1-10, 22, 24							Flowseal							
Baskets	11 middle of the joint							Kol-Seal							
D/V or Port Collar	N/A							Mud CLR 48							
pipe on bottom, break Circulation								CFL-117 or CD110 CAF 38							
pump 1000 gal Mud Clear 48								Sand							
pump 5 BLS of water								Handling							
Shut down, plug Rathole w/30 sy								Mileage							
shut down, Hook to 5 1/2" Casing								FLOAT EQUIPMENT							
+ mix Cement. Shut down.								Guide Shoe							
Wash pump + lines. Released								Centralizer 12 turbo's							
plug + Displaced with 80 BLS								Baskets 1 weatherford							
of water. Lift pressure 800 #								AFU Inserts							
Land plug to Bob #.								Float Shoe 1							
Released + held.								Latch Down 1							
								Pumptrk Charge							
								Mileage							
								Tax							
								Discount							
								Total Charge							
Signature <i>Kent</i>															

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. 392

Date	5-16-12	Sec.	Twp.	Range	County	State	On Location	Finish
Lease	Flegler	Well No.	A-3		Location Russell 8 S 34 W			
Contractor	Southwind 3				Owner			
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.						
Csg.	8 3/4	Depth	Charge To Mai Oil					
Tbg. Size		Depth	Street					
Tool		Depth	City State					
Cement Left in Csg.		Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.					
Meas Line		Displace	Cement Amount Ordered 225.00 342					
EQUIPMENT								
Pumptrk	No.	Cementer				Common 135		
		Helper						
Bulktrk	No.	Driver				Poz. Mix 90		
		Driver						
Bulktrk	No.	Driver				Gel. 4		
		Driver				Calcium 9		
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								
	Guide Shoe							
	Centralizer 1 8 1/2 wooden plug							
	Baskets							
	AFU Inserts							
	Float Shoe							
	Latch Down 8 1/2 Head + Man							
	Pumptrk Charge Surface							
	Mileage 11							
Tax								
Discount								
Total Charge								
Signature								