



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1236812
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: _____

1236812

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> _____
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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	Mighell-Weeks Trust Unit 1
Doc ID	1236812

Tops

Name	Top	Datum
Anhydrite	861	+999
Tarkio Lime	2474	-614
Topeka	2739	-879
Heebner	2802	-942
Toronto	2999	-1139
Lansing	3049	-1189
Base Kansas City	3281	-1421
Arbuckle	3300	-1440

JAMES C. MUSGROVE

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

Office (620) 588-4250

Res. Claflin (620) 587-3444

Mai Oil Operations
Mighell-Weeks Trust Unit #1
NW-NW-SW-NE (1500' FNL & 2685' FWL)
Section 18-15s-13w
Russell County, Kansas

Page 1

5 1/2" Production Casing Set

Contractor: Southwind Drilling Co. (rig #3)
Commenced: September 10, 2014
Completed: September 16, 2014
Elevation: 1860' K.B., 1858' D.F., 1852' G.L.
Casing program: Surface; 8 5/8" @ 514'
Production, 5 1/2 @ 3374'
Sample: Samples saved and examined 2300' to the Rotary Total Depth.
Drilling time: One (1) foot drilling time recorded and kept 2300 ft. to the Rotary Total Depth.
Measurements: All depths measured from the Kelly Bushing.
Drill Stem Tests: There were six (6) Drill Stem Tests ran by Diamond Testing Co.
Electric Log: By Nabors Completion and Production Services Co., Dual Induction, Compensated Density/Neutron Log and Micro Log

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	861	+999
Base Anhydrite	883	+977
Grand Haven	2405	-545
1 st Tarkio Sand	2414	-554
Dover	2427	-567
2 nd Tarkio Sand	2431	-571
Tarkio Lime	2474	-614
3 rd Tarkio Sand	2501	-641
Elmont	2537	-677
Howard	2672	-812
Topeka	2739	-879
Heebner	2802	-942
Toronto	2999	-1139
Lansing	3049	-1189
Base Kansas City	3281	-1421
Arbuckle	3300	-1440
Rotary Total Depth	3375	-1515
Log Total Depth	3371	-1511

All tops and zones corrected to Electric Log Measurement.

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

1st TARKIO SAND

2414-2421' Sand; gray, fine grained; sub-rounded, well sorted, brown stain, show of free oil and faint odor in fresh samples.

2ND TARKIO SAND

2431-2448' Sand; gray, fine and medium grained, sub-rounded, friable, micaeous, brown stain, show of free oil and faint odor in fresh samples.

Drill Stem Test #1 **2408-2477**

Times: 30-30-45-45

Blow: Good

Recovery: 30' oil cut mud
(15% oil; 85% mud)
90' oil and gassy cut mud
(50% gas; 30% oil; 20% mud)

Pressures: ISIP 523 psi
FSIP 559 psi
IFP 33-44 psi
FFP 53-65 psi
HSH 1123-1095 psi

WILLARD SAND
(3RD TARKIO)

2501-2516' Sand, gray, fine and medium grained; fair inter-granular porosity, shaley; friable; spotty stain, trace of free oil and no odor in fresh samples.

TOPEKA SECTION

2739-2902' No shows of oil and/gas was noted in the drilling of the Topeka Section (see attached sample log and geologist report).

TORONTO SECTION

2999-3012' Limestone, tan, buff, chalky, few fossiliferous, poor visible porosity, light brown stain, trace of free oil and no odor in fresh samples

LANSING SECTION

3049-3056' Limestone, white, tan, finely crystalline, chalky, poor porosity, no shows.

3068-3074' Limestone, cream, finely crystalline, chalky, poor visible porosity, no shows.

3081-3092' Limestone, tan, oomoldic, good oomoldic and vuggy type porosity, light brown stain, show of free oil and fair odor in fresh samples.

Drill Stem Test #2 **3054-3100**

Times: 30-30-45-45

Blow: Weak

Recovery: 10' oil cut mud
(5% oil, 95% mud)

Pressures: ISIP 113 psi
FSIP 82 psi
IFP 32-29 psi
FFP 34-28 psi
HSH 1508-1481 psi

3103-3112' Limestone, cream, white, finely crystalline, chalky, poor visible porosity, light brown stain, no free oil and no odor in fresh samples.

3123-3129' Limestone, cream, tan, brown, finely crystalline, fossiliferous, poor visible porosity, no free oil and no odor in fresh samples.

3141-3159' Limestone, tan, oomoldic, good oomoldic and vuggy type porosity, brown stain, show of free oil and strong odor in fresh samples.

Drill Stem Test #3 **3062-3147**

Times: 30-30-45-45

Blow: Weak

Recovery: 45' very slightly oil cut mud
(2% oil, 95% mud)

Pressures: ISIP 325 psi
FSIP 275 psi
IFP 33-38 psi
FFP 41-48 psi
HSH 1543-1484 psi

3181-3186' Limestone, tan, oomoldic, chalky, scattered oomoldic porosity, no shows.

3195-3205' Limestone, cream, tan, fine and medium crystalline, poor inter-crystalline and vuggy type porosity, light brown and golden brown stain, show of free oil and faint odor.

3214-3224' Limestone, tan, gray, finely crystalline, poor visible porosity, (dense0, no shows.

3228-3236' Limestone, tan, gray, sub-oomoldic, chalky, dense, no shows.

3260-3265' Limestone, tan, finely crystalline, few fossiliferous, dense.

Drill Stem Test #4 **3186-3260**

Times: 30-30-30-30
Blow: Weak
Recovery: 10' mud
Pressures: ISIP 53 psi
FSIP 43 psi
IFP 23-23 psi
FFP 24-24 psi
HSH 1572-1565 psi

3270-3282' Limestone, cream, tan, finely crystalline, oolitic, poorly developed porosity, light brown stain, show of free oil and faint odor in fresh samples.

ARBUCKLE SECTION

3300-3308' Dolomite, tan, white, finely crystalline, sucrosic, poor to fair inter-crystalline type porosity, brown stain, show of free oil and faint odor in fresh samples.

Drill Stem Test #5 **3266-3308**

Times: 30-45-45-60
Blow: Weak
Recovery: 45' oil and gas cut mud
(5% gas; 15%oil; 80% mud)
Pressures: ISIP 1059 psi
FSIP 1040 psi
IFP 26-31 psi
FFP 33-41 psi
HSH 1607-1598 psi

3308-3315' Dolomite, white, medium crystalline, fair inter-crystalline porosity, fair stain and saturation, show of free oil and good odor in fresh samples.

Drill Stem Test #6 **3266-3315**

Times: 30-30-30-30

Blow: Strong

Recovery: 63' slightly oil and gas cut water
(10% gas; 10% oil; 80% water)
315' oil and gas cut water
(80% gas; 15% oil; 5% water)
315' oil and gas cut muddy water
(20% gas; 15% oil; 60% water; 5% mud)
630' oil and gas cut muddy water
(65% gas; 20% oil; 10% water; 5% mud)
441' oil and gas cut muddy water
(40 gas; 20% oil; 20% water; 20% mud)
156' Heavy oil and gas cut muddy water
(20% gas, 30% oil; 40% water, 10% mud)

Pressures: ISIP 1101 psi
FSIP 1102 psi
IFP 123-559 psi
FFP 568-825 psi
HSH 1606-1592 psi

- 3315-3330' Dolomite, tan, finely crystalline, poor to fair inter-crystalline porosity, light brown stain, show of free oil and faint odor in fresh samples.
- 3330-3340' Dolomite as above.
- 3350-3360' Dolomite, white, gray, finely crystalline, poor to fair porosity, no shows.
- 3360-3365' Dolomite as above.
- 3365-3371' Dolomite, white, gray, finely crystalline, poor inter-crystalline porosity, no shows.

Rotary Total Depth 3375
Log Total Depth 3371

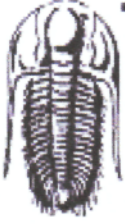
Recommendations:

5 1/2" production casing set and cemented on the Mai Oil Operations Inc., Mighell-Weeks Trust Unit #1.

Respectfully yours,



Wyatt Urban
Petroleum Geologist



**TRILLOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mai Oil Operations Inc.
8411 Preston RD
STE 800 Dallas TX 75225
ATTN: Wyatt Urban

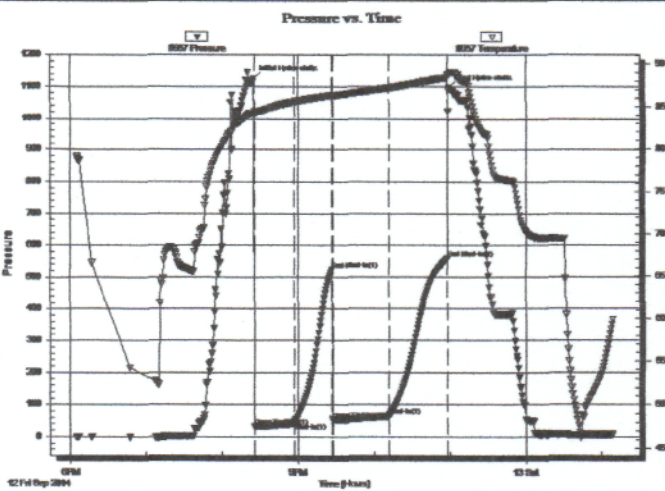
Mighell-Weeks Trust Unit #1
18-15-13w Russell,KS
Job Ticket: 53972 **DST#: 1**
Test Start: 2014.09.12 @ 18:05:00

GENERAL INFORMATION:

Formation: **Tarkio Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:26:00
Time Test Ended: 01:08:45
Interval: **2408.00 ft (KB) To 2477.00 ft (KB) (TVD)**
Total Depth: 2477.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Brett Dickinson
Unit No: 59
Reference Elevations: 1860.00 ft (KB)
1852.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8957 Outside
Press@RunDepth: 65.32 psig @ 2437.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.09.12 End Date: 2014.09.13 Last Calib.: 2014.09.13
Start Time: 18:05:05 End Time: 01:08:44 Time On Btm: 2014.09.12 @ 20:25:15
Time Off Btm: 2014.09.12 @ 22:59:30

TEST COMMENT: IF-BOB in 22 min
ISI-No blow
FF-BOB in 3 min
FSI-No blow



PRESSURE SUMMARY

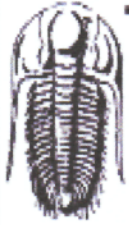
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1122.96	84.38	Initial Hydro-static
1	33.35	84.19	Open To Flow (1)
32	43.91	85.57	Shut-In(1)
62	522.82	86.32	End Shut-In(1)
63	53.31	86.25	Open To Flow (2)
107	65.32	87.20	Shut-In(2)
153	558.56	88.42	End Shut-In(2)
155	1095.49	88.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	GMCO 50%G 30%O 20%M	0.44
30.00	SOCM 15%O 85%M	0.15
0.00	360ft GIP	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: Wyatt Urban

Mighell-Weeks Trust Unit #1
18-15-13w Russell,KS
 Job Ticket: 53973 DST#: 2
 Test Start: 2014.09.14 @ 04:25:00

GENERAL INFORMATION:

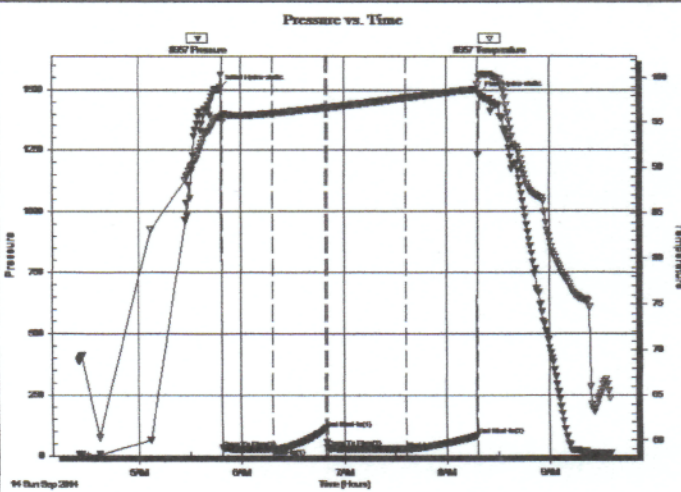
Formation: **KC"A-C"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:48:45
 Time Test Ended: 09:36:00
 Interval: **3054.00 ft (KB) To 3100.00 ft (KB) (TVD)**
 Total Depth: 3100.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brett Dickinson
 Unit No: 59
 Reference Elevations: 1860.00 ft (KB)
 1852.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8957

Outside

Press@RunDepth: 28.10 psig @ 3059.00 ft (KB)
 Start Date: 2014.09.14 End Date: 2014.09.14
 Start Time: 04:25:05 End Time: 09:35:59
 Capacity: 8000.00 psig
 Last Calib.: 2014.09.14
 Time On Btm: 2014.09.14 @ 05:48:00
 Time Off Btm: 2014.09.14 @ 08:19:00

TEST COMMENT: F-1" blow
 ISI-No blow
 FF-1/4" blow
 FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1508.10	95.59	Initial Hydro-static
1	31.93	95.05	Open To Flow (1)
31	28.60	96.08	Shut-In(1)
62	113.13	96.72	End Shut-In(1)
62	33.64	96.70	Open To Flow (2)
109	28.10	97.78	Shut-In(2)
150	82.45	98.74	End Shut-In(2)
151	1481.17	100.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	SOQM 5%O 95%M	0.14

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mai Oil Operations Inc.
 8411 Preston RD
 STE 800 Dallas TX 75225
 ATTN: Wyatt Urban

Mighell-Weeks Trust Unit #1
18-15-13w Russell,KS
 Job Ticket: 53974 DST#: 3
 Test Start: 2014.09.14 @ 16:55:00

GENERAL INFORMATION:

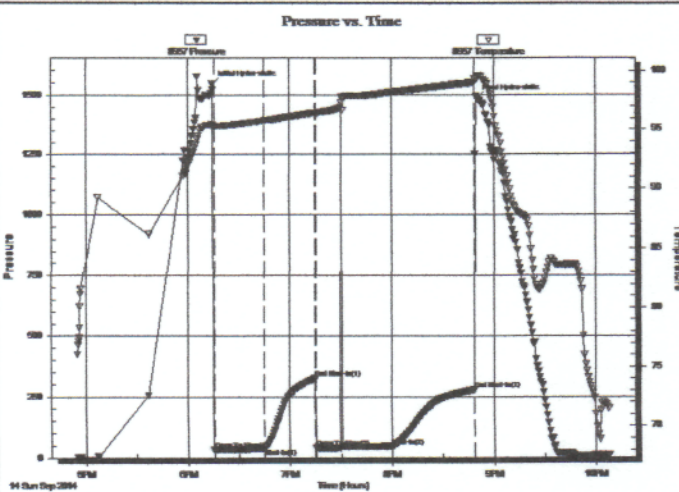
Formation: **KC"B-G"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:15:30
 Time Test Ended: 22:07:45
 Interval: **3062.00 ft (KB) To 3147.00 ft (KB) (TVD)**
 Total Depth: 3147.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brett Dickinson
 Unit No: 59
 Reference Elevations: 1860.00 ft (KB)
 1852.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8957

Outside

Press@RunDepth: 47.67 psig @ 3075.00 ft (KB)
 Start Date: 2014.09.14 End Date: 2014.09.14
 Start Time: 16:55:05 End Time: 22:07:44
 Capacity: 8000.00 psig
 Last Calib.: 2014.09.14
 Time On Btm: 2014.09.14 @ 18:14:15
 Time Off Btm: 2014.09.14 @ 20:50:15

TEST COMMENT: F-1 3/4" blow
 IS- No blow
 FF- No blow flush tool Weak surface blow
 FS- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1543.34	95.48	Initial Hydro-static
2	33.09	95.30	Open To Flow (1)
31	38.12	95.78	Shut-In(1)
61	325.26	96.49	End Shut-In(1)
62	40.88	96.32	Open To Flow (2)
106	47.67	98.21	Shut-In(2)
155	278.09	99.02	End Shut-In(2)
156	1484.29	99.38	Final Hydro-static

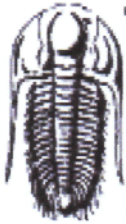
Recovery

Length (ft)	Description	Volume (bbl)
45.00	VSOOM 2%O 98%M	0.63

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mai Oil Operations Inc.
 8411 Preston RD
 STE 800 Dallas TX 75225
 ATTN: Wyatt Urban

Mighell-Weeks Trust Unit #1
18-15-13w Russell,KS
 Job Ticket: 53975 **DST#: 4**
 Test Start: 2014.09.15 @ 08:49:00

GENERAL INFORMATION:

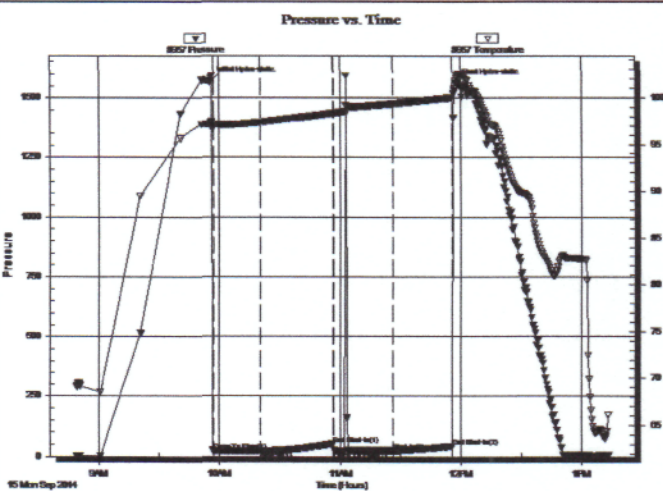
Formation: **KC "H-J"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:57:15
 Time Test Ended: 13:13:15
 Interval: **3186.00 ft (KB) To 3260.00 ft (KB) (TVD)**
 Total Depth: 3260.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brett Dickinson
 Unit No: 59
 Reference Elevations: 1860.00 ft (KB)
 1852.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8957

Outside

Press@RunDepth: 24.20 psig @ 3191.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.09.15 End Date: 2014.09.15 Last Calib.: 2014.09.15
 Start Time: 08:49:05 End Time: 13:13:14 Time On Btm: 2014.09.15 @ 09:56:00
 Time Off Btm: 2014.09.15 @ 11:57:30

TEST COMMENT: F-1/4" blow Died back to Very Weak surface blow
 IS-No blow
 FF-No blow Flush Tool
 FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1571.60	97.34	Initial Hydro-static
2	23.45	97.19	Open To Flow (1)
25	23.43	97.37	Shut-In(1)
61	52.64	98.36	End Shut-In(1)
61	24.53	98.36	Open To Flow (2)
91	24.20	99.35	Shut-In(2)
120	43.32	100.01	End Shut-In(2)
122	1565.15	102.10	Final Hydro-static

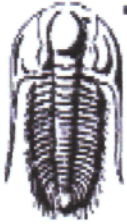
Recovery

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

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mai Oil Operations Inc.
 8411 Preston RD
 STE 800 Dallas TX 75225
 ATTN: Wyatt Urban

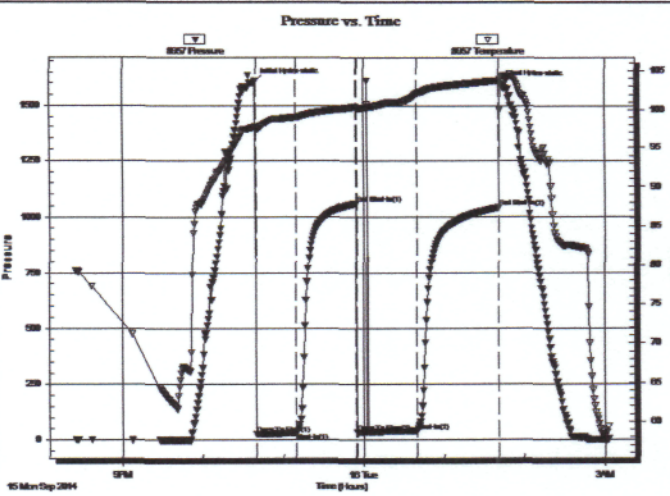
Mighell-Weeks Trust Unit #1
18-15-13w Russell,KS
 Job Ticket: 60926 **DST#: 5**
 Test Start: 2014.09.15 @ 20:25:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:40:00
 Time Test Ended: 03:03:00
 Interval: **3266.00 ft (KB) To 3308.00 ft (KB) (TVD)**
 Total Depth: 3308.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brett Dickinson
 Unit No: 59
 Reference Elevations: 1860.00 ft (KB)
 1852.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8957 Outside
 Press@RunDepth: 41.44 psig @ 3270.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.09.15 End Date: 2014.09.16 Last Calib.: 2014.09.16
 Start Time: 20:25:05 End Time: 03:02:59 Time On Btm: 2014.09.15 @ 22:39:15
 Time Off Btm: 2014.09.16 @ 01:42:15

TEST COMMENT: F-2" blow
 IS-No blow
 FF-No blow Flush tool 1" blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1607.23	97.63	Initial Hydro-static
1	26.14	97.16	Open To Flow (1)
30	31.25	99.03	Shut-In(1)
75	1058.67	100.37	End Shut-In(1)
76	33.38	100.06	Open To Flow (2)
121	41.44	102.02	Shut-In(2)
182	1040.10	103.69	End Shut-In(2)
183	1597.89	103.91	Final Hydro-static

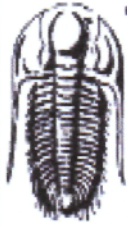
Recovery

Length (ft)	Description	Volume (bbl)
45.00	VSGOCM 5%G 15%O 80%M	0.63

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mai Oil Operations Inc.
 8411 Preston RD
 STE 800 Dallas TX 75225
 ATTN: Wyatt Urban

Mighell-Weeks Trust Unit #1
18-15-13w Russell,KS
 Job Ticket: 58743 **DST#: 6**
 Test Start: 2014.09.16 @ 07:09:00

GENERAL INFORMATION:

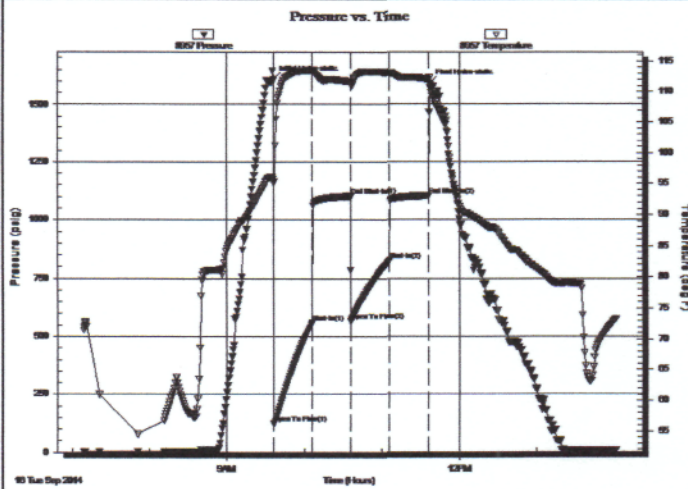
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:36:15
 Time Test Ended: 14:01:30
 Interval: **3266.00 ft (KB) To 3315.00 ft (KB) (TVD)**
 Total Depth: 3315.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Phillip Gage
 Unit No: 59
 Reference Elevations: 1860.00 ft (KB)
 1852.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8957

Outside

Press@RunDepth: 825.05 psig @ 3272.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.09.16 End Date: 2014.09.16 Last Calib.: 2014.09.16
 Start Time: 07:09:05 End Time: 14:01:29 Time On Btm: 2014.09.16 @ 09:36:00
 Time Off Btm: 2014.09.16 @ 11:37:15

TEST COMMENT: 30-IF-BOB in 1 min.
 30-ISI-1/4" Return
 30-FF-BOB in 2 mins.
 30-FSI-1/2" Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1606.27	95.86	Initial Hydro-static
1	123.74	95.18	Open To Flow (1)
30	559.42	113.51	Shut-In(1)
60	1101.35	111.69	End Shut-In(1)
61	568.00	111.34	Open To Flow (2)
90	825.05	113.10	Shut-In(2)
121	1102.71	112.06	End Shut-In(2)
122	1592.97	111.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	SOGCW, 10%o, 10%g, 80%w	0.88
315.00	VSWOCG, 5%w, 15%o, 80%g	4.42
315.00	VSMOGCW, 5%m, 15%o, 20%g, 60%w	4.42
630.00	VSMWOCG, 5%m, 10%w, 20%o, 65%g	8.84
441.00	MWOCG, 20%m, 20%w, 20%o, 40%g	6.19
156.00	SMGOCW, 10%m, 20%g, 30%o, 40%w	2.19

* 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. **632**

Date	9-10-14	Sec.	18	Twp.	15	Range	13	County	Russell	State	KS	On Location	Finish	7:00 PM
------	---------	------	----	------	----	-------	----	--------	---------	-------	----	-------------	--------	---------

Location *Russell KS S to winter set Rd 2 1/2 E 3/4 W into*

Lease <i>Migbell weeks trust unit</i>	Well No.	1	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Contractor <i>Faithward 3</i>				Charge To <i>mai oil operation</i>
Type Job <i>Surface</i>				
Hole Size <i>12 1/4</i>	T.D.	<i>514</i>		
Csg. <i>8 5/8</i>	Depth	<i>514</i>		
Tbg. Size	Depth			
Tool	Depth			
Cement Left in Csg. <i>15</i>	Shoe Joint	<i>15</i>	Cement Amount Ordered <i>250 60/40 3%CC 2%gel</i>	
Meas Line	Displace	<i>31 3/4</i>		

EQUIPMENT

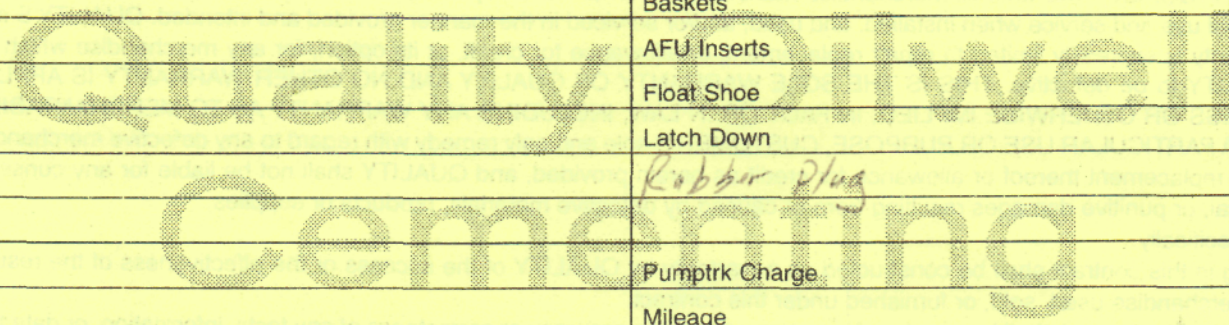
Pumptrk	No.	Cementer	Rick	Common
		Helper		Poz. Mix
Bulktrk	No.	Driver	Billy	Gel.
Bulktrk	No.	Driver	Doug	Calcium

JOB SERVICES & REMARKS

Remarks: <i>Cement did circulate</i>	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	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
<i>Robber Plug</i>	
Pumptrk Charge	
Mileage	



X Signature *Jay Johnson*

Tax	
Discount	
Total Charge	

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 751

Date	9-17-14	Sec.	18	Twp.	15	Range	13	County	Russell	State	KS	On Location	500 Am	Finish	9:30 AM
Lease	Mitchell-Wechsler trust							Location	Winter set RD 2 1/2 E						
Contractor	Southwind 3							Well No.	A						
Type Job	Long string							Owner	3/4 N Winto						
Hole Size	7 7/8							T.D.	3370 ft						
Csg.	5 1/2							Depth	3370.92						
Tbg. Size								Charge To	Main oil						
Tool								Street							
Cement Left in Csg.	21.38							Depth							
Meas Line								City	State						
EQUIPMENT								The above was done to satisfaction and supervision of owner agent or contractor.							
Pumptrk	20	No.	Cementer		Helper		Matt								
Bulktrk	15	No.	Driver		Driver		Vick								
Bulktrk	1	No.	Driver		Driver		Doug Ryan								
JOB SERVICES & REMARKS								Common 10 Salt 2% gel Yelflow							
Remarks:	305K5							Hulls							
Rat Hole								Salt							
Mouse Hole								Flowseal							
Centralizers	1-10, 11, 22, 25							Kol-Seal							
Baskets	# 11 half way							Mud CLR 48 1000 gal							
D/V or Port Collar								CFL-117 or CD110 CAF 38							
Dropped - Buff Corallated								Sand							
I hope - run mud								Handling							
Flush - flush hole								Mileage							
hole - mixed 170 sh								5 1/2							
down hole displaced								GUIDE SHOE							
with water								Centralizer 13 tur 605							
Lift 1400								Baskets 1 Real							
Card 1400								AFU Inserts							
								Float Shoe							
								Latch Down							
								Pumptrk Charge							
								Mileage							
								Tax							
								Discount							
X Signature Paul Horner								Total Charge							