



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1096651
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: _____



1096651

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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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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

October 09, 2012

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

Re: ACO1
API 15-009-25705-00-00
Schmeidler 1
SE/4 Sec.13-17S-15W
Barton 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
Schmeidler #1
SE-NW-NW-SE (2000' FSL & 2000' FEL)
Section 13-17s-15w
Barton County, Kansas
Page 1

Dry and Abandoned

Contractor: Southwind Drilling Co. (Rig #3)
Commenced: June 19, 2012
Completed: June 26, 2012
Elevation: 1895' K.B; 1893' D.F; 1887' G.L.
Casing program: Surface; 8 5/8" @ 901'
Production; none.
Sample: Samples saved and examined 2800' to the Rotary Total Depth.
Drilling time: One (1) foot drilling time recorded and kept 2800 ft to the Rotary Total Depth.
Measurements: All depths measured from the Kelly Bushing.
Drill Stem Tests: There were five (5) Drill Stem Tests ran by Trilobite Testing Co.
Electric Log: None.

<u>Formation</u>	<u>Sample Depth</u>	<u>Sub-Sea Datum</u>
Topeka	2867	-972
Heebner	3100	-1205
Toronto	3113	-1218
Lansing	3160	-1265
Base Kansas City	3386	-1491
Reworked Arbuckle	3408	-1513
Arbuckle	3420	-1525
Rotary Total Depth	3451	-1556

(All top and zone determinations are made from correlation of Drilling Time and Sample Analysis).

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

TOPEKA SECTION

3063-3072' Limestone; white, gray, finely crystalline, few medium crystalline, poor visible porosity, black and gray stain, no show of free oil and no odor in fresh samples.

TORONTO SECTION

3113-3122' Limestone; white/gray, finely crystalline, chalky, poor light brown stain, no free oil and no odor in fresh samples.

LANSING SECTION

- 3160-3170' Limestone; tan, finely crystalline, few fossiliferous, brown stain, no free oil and no odor. (poor porosity)
- 3173-3181' Limestone; white, gray, sub oomoldic, oolitic, chalky, brown spotty stain, trace of free oil and questionable odor in fresh samples.

Drill Stem Test #1 3166-3192'

Times: 20-20-30-30

Blow: Weak

Recovery: 15' muddy water

**Pressures: ISIP 637 psi
FSIP 632 psi
IFP 12-21 psi
FFP 22-30 psi
HSH 1485-1507 psi**

- 3195-3202' Limestone; tan, oomoldic, good oomoldic porosity. (barren)
- 3230-3236' Limestone; gray, oolitic, chalky, poor porosity, brown and light brown stain, no show of free oil and questionable odor in fresh samples.
- 3242-3246' Limestone; as above, poor porosity.
- 3251-3262' Limestone; white/gray, oomoldic, fair oomoldic porosity, trace brown stain and saturation, show of free oil and faint odor in fresh samples.

Drill Stem Test #2 3246-3262'

Times: 45-45-35-45

Blow: Weak

**Recovery: 50' gas in pipe
12' muddy water**

**Pressures: ISIP 670 psi
FSIP invalid psi
IFP 13-31 psi
FFP invalid psi
HSH 1535-1541 psi**

Remarks: FFP&FSIP - plugged

- 3305-3312' Limestone; cream, tan, sub oomoldic, oolitic, chalky, brown stain, trace of free oil and faint odor in fresh samples.

- 3318-3325' Limestone; white/gray, cream, fossiliferous/oolitic, brown stain/saturation, show of free oil and faint odor. (poor visible porosity)
- 3338-3346' Limestone; tan, oomoldic, chalky, brown spotty stain, trace of free oil and questionable odor.

Drill Stem Test #3 3296-3362'

Times: 30-30-30-30

Blow: Weak

Recovery: 5' mud

Pressures: ISIP 24 psi
FSIP 19 psi
IFP 13-14 psi
FFP 13-13 psi
HSH 1547-1516 psi

- 3376-3384' Limestone; white, cream, chalky, few fossiliferous, and cherty, no shows.

CONGLOMERATE SECTION

- 3306-3408' Varied colored chert in matrix of varied colored shale.

REWORKED ARBUCKLE SECTION

- 3408-3420' Dolomite; tan, finely crystalline, recrystallize, cherty, dense, plus white gray dolomitic chert.

ARBUCKLE SECTION

- 3420-3430' Dolomite; tan, finely crystalline, few medium crystalline, sucrosic, scattered pin point porosity, brown stain & saturation, show of free oil and faint odor.

Drill Stem Test #4 3383-3430'

Times: 30-30-30-30

Blow: Weak

**Recovery: 10' slightly oil cut mud
(3% oil, 97% mud)**

Pressures: ISIP 62 psi
FSIP 45 psi
IFP 17-20 psi
FFP 21-22 psi
HSH 1622-1610 psi

- 3430-3441' Dolomite; white/gray, fine & medium crystalline, sandy, scattered porosity, brown & black stain, show of free oil.

Drill Stem Test #5 **3430-3441'**

Times: 30-30-30-45

Blow: Weak

Recovery: 2' mud

Pressures: ISIP 25 psi
FSIP 25 psi
IFP 14-16 psi
FFP 16-16 psi
HSH 1651-1645 psi

3441-3451' Dolomite; as above, plus white/gray oolitic chert.

Rotary Total Depth 3451

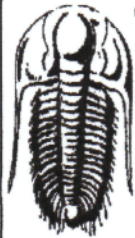
Recommendations:

The Schmeidler #1 was plugged and abandoned at the Rotary Total Depth 3451 (-1556).

Respectfully submitted;

James C. Musgrove
James C. Musgrove,
Petroleum Geologist





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mai Oil Operations
8411 Preston Rd. Ste. 800
Dallas, TX 75225
ATTN: Jim Musgrove

13-17s-15w Barton,KS
Schmeidler #1
Job Ticket: 46961 **DST#: 1**
Test Start: 2012.06.23 @ 16:32:55

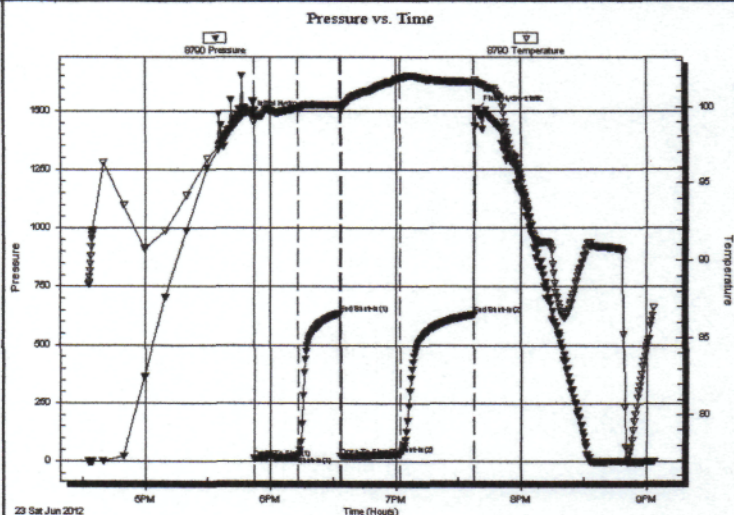
GENERAL INFORMATION:

Formation: **Lansing A-B**
 Deviated: **No** Whipstock: ft (KB)
 Time Tool Opened: 17:52:25
 Time Test Ended: 21:03:55
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gary Pevoteaux
 Unit No: 63
 Interval: **3166.00 ft (KB) To 3192.00 ft (KB) (TVD)**
 Total Depth: 3192.00 ft (KB) (TVD)
 Reference Elevations: 1895.00 ft (KB)
 1887.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 8.00 ft

Serial #: 8790 **Inside**
 Press@RunDepth: 30.18 psig @ 3167.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.06.23 End Date: 2012.06.23 Last Calib.: 2012.06.23
 Start Time: 16:33:00 End Time: 21:03:54 Time On Btm: 2012.06.23 @ 17:50:40
 Time Off Btm: 2012.06.23 @ 19:38:55

TEST COMMENT: IF: Weak blow . 1/2 - 1 1/2".
 IS: No blow
 FF: Weak blow . Increase to 2 1/2".
 FS: No blow .

PRESSURE SUMMARY



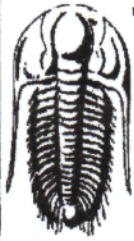
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1484.84	99.64	Initial Hydro-static
2	12.24	99.00	Open To Flow (1)
23	20.85	99.91	Shut-In(1)
43	636.58	100.09	End Shut-In(1)
44	21.94	99.90	Open To Flow (2)
72	30.18	101.83	Shut-In(2)
107	631.69	101.61	End Shut-In(2)
109	1507.27	101.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	MW 28% m 72% w	0.21

Gas Rates

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



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TESTING, INC.**

DRILL STEM TEST REPORT

Mai Oil Operations
8411 Preston Rd. Ste. 800
Dallas, TX 75225
ATTN: Jim Musgrove

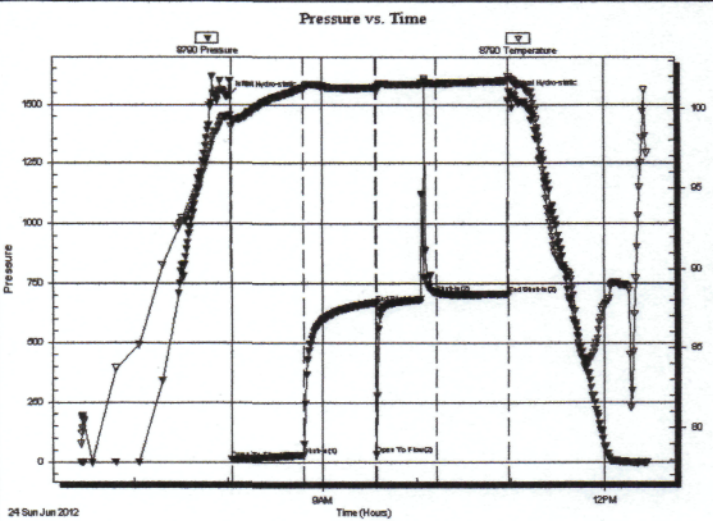
13-17s-15w Barton,KS
Schmeidler #1
Job Ticket: 46963 **DST#: 2**
Test Start: 2012.06.24 @ 06:26:06

GENERAL INFORMATION:

Formation: **Lansing**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 08:02:06
Time Test Ended: 12:26:51
Test Type: **Conventional Bottom Hole (Reset)**
Tester: **Gary Pevoteaux**
Unit No: **63**
Interval: 3246.00 ft (KB) To 3262.00 ft (KB) (TVD)
Total Depth: **3262.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Reference Elevations: **1895.00 ft (KB)**
1887.00 ft (CF)
KB to GR/CF: **8.00 ft**

Serial #: 8790 Inside
Press@RunDepth: **710.34 psig @ 3247.00 ft (KB)**
Start Date: **2012.06.24** End Date: **2012.06.24**
Start Time: **06:26:11** End Time: **12:26:50**
Capacity: **8000.00 psig**
Last Calib.: **2012.06.24**
Time On Btm: **2012.06.24 @ 08:00:51**
Time Off Btm: **2012.06.24 @ 11:00:21**

TEST COMMENT: IF: Weak blow . 1/2 - 4 1/2"
IS: No blow
FF: No blow . Flushed Tool 30 mins. into FFP. No Blow
FS: No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1535.18	99.59	Initial Hydro-static
2	12.93	98.97	Open To Flow (1)
47	30.76	101.33	Shut-In(1)
94	669.89	101.35	End Shut-In(1)
94	33.81	101.06	Open To Flow (2)
132	710.34	101.61	Shut-In(2)
178	705.59	101.77	End Shut-In(2)
180	1541.02	101.85	Final Hydro-static

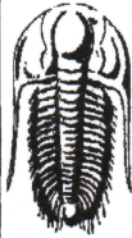
Recovery

Length (ft)	Description	Volume (bbl)
0.00	50 ft. of GIP	0.00
12.00	MW 44% m 56% w	0.17

* 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: Jim Musgrove

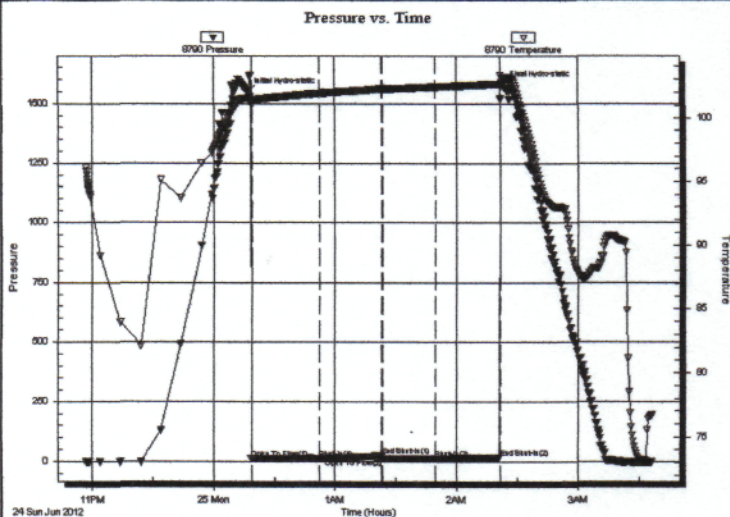
13-17s-15w Barton,KS
Schmeidler #1
Job Ticket: 46963 **DST#: 3**
Test Start: 2012.06.24 @ 22:57:01

GENERAL INFORMATION:

Formation: **Lansing**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 00:18:46
Time Test Ended: 03:36:31
Test Type: **Conventional Bottom Hole (Reset)**
Tester: **Gary Pevoteaux**
Unit No: **63**
Interval: **3296.00 ft (KB) To 3362.00 ft (KB) (TVD)**
Reference Elevations: **1895.00 ft (KB)**
1887.00 ft (CF)
Total Depth: **3362.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
KB to GR/CF: **8.00 ft**

Serial #: 8790 **Inside**
Press@RunDepth: **13.12 psig @ 3297.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2012.06.24** End Date: **2012.06.25** Last Calib.: **2012.06.25**
Start Time: **22:57:06** End Time: **03:36:30** Time On Btm: **2012.06.25 @ 00:17:01**
Time Off Btm: **2012.06.25 @ 02:23:16**

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1547.93	101.55	Initial Hydro-static
2	13.48	101.05	Open To Flow (1)
36	14.30	101.92	Shut-In(1)
66	24.19	102.26	End Shut-In(1)
67	13.33	102.25	Open To Flow (2)
93	13.12	102.42	Shut-In(2)
125	18.59	102.63	End Shut-In(2)
127	1575.63	103.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drig. mud/good odor	0.07

* 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: Jim Musgrove

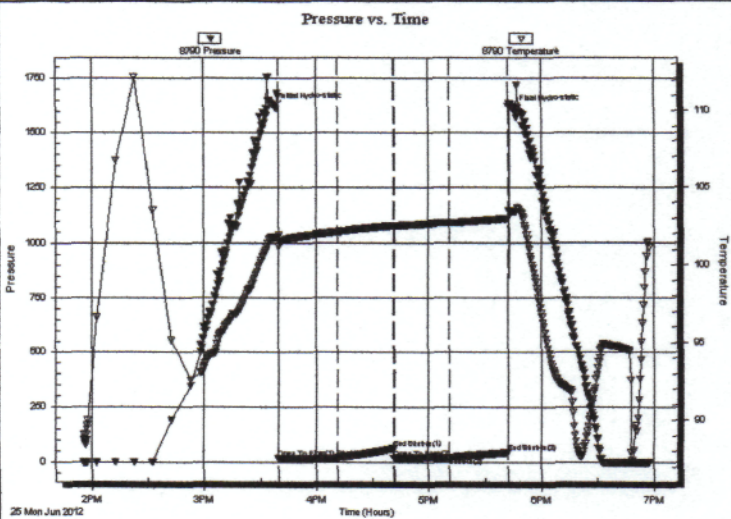
13-17s-15w Barton,KS
Schmeidler #1
Job Ticket: 46964 **DST#: 4**
Test Start: 2012.06.25 @ 13:55:55

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 15:39:55
Time Test Ended: 18:57:40
Test Type: Conventional Bottom Hole (Reset)
Tester: Gary Pevoteaux
Unit No: 63
Interval: **3383.00 ft (KB) To 3430.00 ft (KB) (TVD)**
Total Depth: 3430.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 1895.00 ft (KB)
1887.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8790 **Inside**
Press@RunDepth: 21.46 psig @ 3384.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.06.25 End Date: 2012.06.25 Last Calib.: 2012.06.25
Start Time: 13:56:00 End Time: 18:57:39 Time On Btm: 2012.06.25 @ 15:37:55
Time Off Btm: 2012.06.25 @ 17:45:10

TEST COMMENT: IF: Weak blow, 1/4". Dead in 15 mins.
IS: No blow
FF: No blow
FSt: No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1621.64	101.80	Initial Hydro-static
2	17.11	101.21	Open To Flow (1)
34	20.17	102.16	Shut-In(1)
63	62.85	102.53	End Shut-In(1)
64	20.52	102.52	Open To Flow (2)
93	21.46	102.72	Shut-In(2)
125	45.27	102.97	End Shut-In(2)
128	1610.38	103.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	SOCM 3%o 97% m (clean oil @ top of top 0.14	

* 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. 688

Date	6-20-12	Sec.	13	Twp.	17	Range	15	County	Barton	State	KS	On Location		Finish	9:00 A.M.
Lease	Schmeidler		Well No.		1		Location Galatia I.E.S.S 3/4E Ninto								
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 12'4"				T.D. 908				Csg. 8 5/8				Depth 821 901			
Csg. 8 5/8								Depth 821 901							
Tbg. Size								Depth							
Tool								Depth							
Cement Left in Csg. 40								Shoe Joint							
Meas Line								Displace 5485 5474 BCL							
Cement Amount Ordered								350 60/40 3% cc 2% oil							
EQUIPMENT															
Pumptrk 5		No.		Cementer		Helper		Common							
Bulktrk		No.		Driver		Driver		Poz. Mix							
Bulktrk 12		No.		Driver		Driver		Gel.							
JOB SERVICES & REMARKS															
Remarks:								Calcium							
Rat Hole								Hulls							
Mouse Hole								Salt							
Centralizers								Flowseal							
Baskets								Kol-Seal							
D/V or Port Collar								Mud CLR 48							
8 5/8 on bottom. Est. Circulation								CFL-117 or CD110 CAF 38							
Mix 350-4K + Displace Avg.								Sand							
Cement Circulated								Handling							
Shot in @ \$500#.								Mileage							
FLOAT EQUIPMENT															
Guide Shoe															
Centralizer								8 5/8 Baffle Plate							
Baskets								Rubber Plug							
AFU Inserts															
Float Shoe															
Latch Down															
Pumptrk Charge															
Mileage															
								Tax							
								Discount							
X Signature Jay King								Total Charge							

