



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1098976  
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: \_\_\_\_\_



1098976

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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Phone 785-483-2025  
Cell 785-324-1041

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

No. 0000

Date	10-20-12	Sec.	7	Twp.	17	Range	10	County	Ellsworth	State	Ks	On Location		Finish	9:15 PM
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Lease	S. E. 105th E	Well No.	1	Location	Holy Road 1 1/2 mi. N by 156
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Contractor	Royal Rig 1	Owner	To Quality Oilwell Cementing, Inc.
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Type Job	Oil 306	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
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Hole Size	7 7/8	T.D.	3265	Charge To	RJM
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Csg.	5/8	Depth		Street	
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Tbg. Size		Depth		City		State	
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Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.		
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Cement Left in Csg.	32,644	Shoe Joint	32,644	Cement Amount Ordered	150 cum 10% well
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Meas Line		Displace	79 BBL	5% bitumite	
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**EQUIPMENT**

Pumptrk	9	No.	Cementor	Math	Common
			Helper		
Bulktrk	5	No.	Driver	Dave	Poz. Mix
			Driver		
Bulktrk	10	No.	Driver	Cooy	Gel.
			Driver		

**JOB SERVICES & REMARKS**

Remarks:		Calcium
Rat Hole	30 gals	Hulls
Mouse Hole	155 gals	Salt
Centralizers	8 5/8	Flowseal
Baskets	2 5/8	Kol-Seal
D/V or Port Collar		Mud CLR 48
		500 gal
		CFL-117 or CD110 CAF 38
		Sand
		Handling
		Mileage

**FLOAT EQUIPMENT**

Guide Shoe	5/8
Centralizer	13279 1113 15
Baskets	9 15
AFU Inserts	5/8
Float Shoe	
Latch Down	

Pumptrk Charge	
Mileage	

	Tax
	Discount
	Total Charge

X Signature *Roy Budz*

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

December 04, 2012

Chris Hoffman  
RJM Company  
PO BOX 256  
CLAFLIN, KS 67525-0256

Re: ACO1  
API 15-053-21279-00-00  
Siemens East 1  
NW/4 Sec.02-17S-10W  
Ellsworth 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,  
Chris Hoffman



## DRILL STEM TEST REPORT

Prepared For: **RJM Company.**

Po Box 256 Claflin Kansas  
67525

ATTN: Bill&Brad Miller

### **Siemsen East #1**

### **2-17s-10w-Ellsworth**

Start Date: 2012.10.20 @ 04:08:00

End Date: 2012.10.20 @ 10:04:30

Job Ticket #: 17861                      DST #: 1

Superior Testers Enterprises LLC  
PO Box 138 Great Bend KS 67530  
1-800-792-6902

Printed: 2012.10.20 @ 08:33:31



# DRILL STEM TEST REPORT

RJM Company.  
 Po Box 256 Claflin Kansas  
 67525  
 ATTN: Bill&Brad Miller

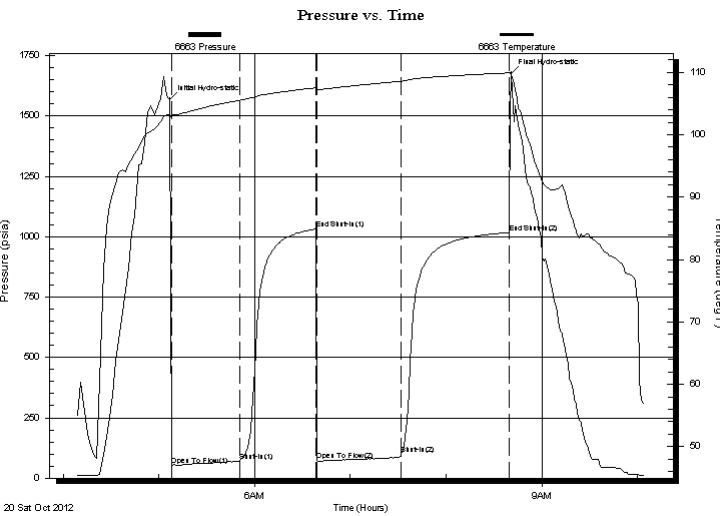
**2-17s-10w-Ellsworth**  
**Siemens East #1**  
 Job Ticket: 17861 **DST#: 1**  
 Test Start: 2012.10.20 @ 04:08:00

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 05:08:00  
 Tester: Dustin Ellis  
 Time Test Ended: 10:04:30  
 Unit No: 3315-Great Bend-62  
**Interval: 3215.00 ft (KB) To 3268.00 ft (KB) (TVD)**  
 Reference Elevations: 1824.00 ft (KB)  
 Total Depth: 3268.00 ft (KB) (TVD) 1817.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 KB to GR/CF: 7.00 ft

**Serial #: 6663 Inside**  
 Press @ RunDepth: 98.12 psia @ 3264.19 ft (KB) Capacity: 5000.00 psia  
 Start Date: 2012.10.20 End Date: 2012.10.20 Last Calib.: 2012.10.20  
 Start Time: 04:08:00 End Time: 10:04:30 Time On Btm: 2012.10.20 @ 05:07:00  
 Time Off Btm: 2012.10.20 @ 08:41:00

**TEST COMMENT:** 1st Open 45 minutes Fair building blow blew 8.5 inches into bucket of water.  
 1st Shut in 45 minutes No blow back  
 2nd Open 60 minutes Fair building blow blew bottom bucket 30 minutes.  
 2nd Shut in 60 minutes No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1569.10	103.15	Initial Hydro-static
1	53.70	102.78	Open To Flow (1)
44	70.62	105.50	Shut-In(1)
92	1031.55	107.49	End Shut-In(1)
92	74.31	107.21	Open To Flow (2)
145	98.12	108.56	Shut-In(2)
213	1017.44	109.90	End Shut-In(2)
214	1676.97	109.71	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Gassy oil cut mud	0.14
0.00	Gas30% Oil15%Mud55%	0.00
10.00	Clean free oil 100%	0.14
62.00	Mud cut oil Oil 35% Mud65%	0.87
0.00	100ft. gas in pipe.	0.00

## Gas Rates

Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
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# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

RJM Company.  
 Po Box 256 Claflin Kansas  
 67525  
 ATTN: Bill&Brad Miller

**2-17s-10w-Ellsworth**  
**Siemens East #1**  
 Job Ticket: 17861 **DST#: 1**  
 Test Start: 2012.10.20 @ 04:08:00

**Tool Information**

Drill Pipe:	Length: 3228.00 ft	Diameter: 3.80 inches	Volume: 45.28 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	43000.00 lb
			<u>Total Volume: 45.28 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3215.00 ft			Final	40000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	53.19 ft				
Tool Length:	73.19 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
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Shut-In Tool	5.00			3200.00	
Hydraulic Tool	5.00			3205.00	
Packer	5.00			3210.00	20.00 Bottom Of Top Packer
Packer	5.00			3215.00	
Anchor	10.00			3225.00	
Change Over Sub	0.75			3225.75	
Drill Pipe	30.69			3256.44	
Change Over Sub	0.75			3257.19	
Anchor	6.00			3263.19	
Recorder	1.00	6663	Inside	3264.19	
Recorder	1.00	8400	Outside	3265.19	
Bull Plug	3.00			3268.19	53.19 Bottom Packers & Anchor

**Total Tool Length: 73.19**



# DRILL STEM TEST REPORT

## FLUID SUMMARY

RJM Company.  
Po Box 256 Claflin Kansas  
67525  
ATTN: Bill&Brad Miller

**2-17s-10w-Ellsworth**  
**Siemens East #1**  
Job Ticket: 17861      **DST#: 1**  
Test Start: 2012.10.20 @ 04:08:00

### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.80 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 5000.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Gassy oil cut mud	0.140
0.00	Gas30% Oil15%Mud55%	0.000
10.00	Clean free oil 100%	0.140
62.00	Mud cut oil Oil 35% Mud65%	0.870
0.00	100ft. gas in pipe.	0.000

Total Length: 82.00 ft      Total Volume: 1.150 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

### Pressure vs. Time

