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KCC WICHITA

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

OPERATOR: License # 33335
Name: IA Operating, Inc.
Address 1: 9915 W. 21st Street, Ste B
Address 2:
City: Wichita State: KS Zip: 67205
Contact Person: Robert D. Swann
Phone: (316) 721-0036
CONTRACTOR: License # 30606
Name: Murfin Drilling Co., Inc.
Wellsite Geologist: Randall Kilian
Purchaser: None

Designate Type of Completion:

- Oil, Gas, OG, CM, Cathodic, WSW, D&A, ENHR, GSW, SWD, ENHR, GSW, SIOW, SIGW, Temp. Abd.

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, Conv. to GSW, Plug Back, Commingled, Dual Completion, SWD, ENHR, GSW

API No. 15 - 051-25992-00-00

Spot Description:

N/2 SE/4 NE/4 NW/4 Sec. 12 Twp. 14 S. R. 20 East West
780 Feet from North / South Line of Section
2,630 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE, NW, SE, SW

County: Ellis

Lease Name: R & E Augustine Well #: 12-1

Field Name: Wildcat

Producing Formation: None

Elevation: Ground: 2172' Kelly Bushing: 2177'

Total Depth: 3897' Plug Back Total Depth:

Amount of Surface Pipe Set and Cemented at: 219 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: 1451 Feet

If Alternate II completion, cement circulated from: 1451

feet depth to: surface w/ 195 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 52,000 ppm Fluid volume: 400 bbls

Dewatering method used: Evaporation/Backfill

Location of fluid disposal if hauled offsite:

Operator Name:

Lease Name: License #:

Quarter Sec. Twp. S. R. East West

County: Permit #:

06/12/10 06/19/10 8/25/2010
Spud Date or Date Reached TD Completion Date or Recompletion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: [Signature]
Title: Vice President Date: 8-27-2010

KCC Office Use ONLY

- Letter of Confidentiality Received
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II III Approved by: [Signature] Date: 9/2/10

Operator Name: IA Operating, Inc. Lease Name: R & E Augustine Well #: 12-1  
 Sec. 12 Twp. 14 S. R. 20  East  West County: Ellis

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: Geologist's Well Report, Sonic Log, Dual Receiver Cement Bond Log, Compensated Density/Neutron Log, Dual Induction Log, Micro Log	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>1464'</td> <td>+713</td> </tr> <tr> <td>Topeka</td> <td>3192'</td> <td>-1015</td> </tr> <tr> <td>Toronto</td> <td>3456'</td> <td>-1279</td> </tr> <tr> <td>Lansing</td> <td>3476'</td> <td>-1299</td> </tr> <tr> <td>Arbuckle</td> <td>3806'</td> <td>-1629</td> </tr> <tr> <td>Total Depth</td> <td>3900</td> <td>-1723</td> </tr> </table>	Name	Top	Datum	Anhydrite	1464'	+713	Topeka	3192'	-1015	Toronto	3456'	-1279	Lansing	3476'	-1299	Arbuckle	3806'	-1629	Total Depth	3900	-1723
Name	Top	Datum																				
Anhydrite	1464'	+713																				
Topeka	3192'	-1015																				
Toronto	3456'	-1279																				
Lansing	3476'	-1299																				
Arbuckle	3806'	-1629																				
Total Depth	3900	-1723																				

CASING RECORD <input checked="" 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
Surface	12 1/4"	8 5/8"	23#	219'	Common	150	3%CC, 2%gel
Production	7 7/8"	5 1/2"	15.5#	3896'	Common	150	10% salt 2% gel

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input checked="" type="checkbox"/> Plug Off Zone		QMDC	195	1/4 Flo-seal
	3799-3802	Common	50	

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	3799-3809	150 gal w/15% MCA	

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TUBING RECORD:	Size: 2 3/8"	Set At: 3245.22	Packer At:	Liner Run: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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 (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 (Specify) _____	PRODUCTION INTERVAL: _____ _____
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# QUALITY OILWELL CEMENTING, INC.

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

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

No. 4153

Date	6/2/10	Sec.	12	Twp.	14	Range	20	County	Ellis	State	Ks	On Location		Finish	12:05 PM
Lease	P.A. Augustine			Well No.	12-1			Location	Hays Golf Course Rd 8 1/2 W 5 N 10						
Contractor	Mudlin Drlg Rig 8							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.						
Type Job	Surface							Charge To	I A Operating						
Hole Size	12 1/4			T.D.	219			Street							
Csg.	8 5/8			Depth	219			City	State						
Tbg. Size								City	State						
Tool								The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg	10.13			Shoe Joint											
Meas Line				Displace	13.36			Cement Amount Ordered							

**EQUIPMENT**

Pumptrk	9 No.	Cementor	Dave S	Common	150 com 3% CC 2% gel	
Bulktrk	10 No.	Helper	Doug S	Poz. Mix		
Bulktrk	pu No.	Driver	Jason S	Gel.	3	
		Driver		Calcium	5	

**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
Cement Cys	Sand
	Handling 158
	Mileage

**FLOAT EQUIPMENT**

Thanks	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

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Pumptrk Charge Surface

Mileage 9

X Signature

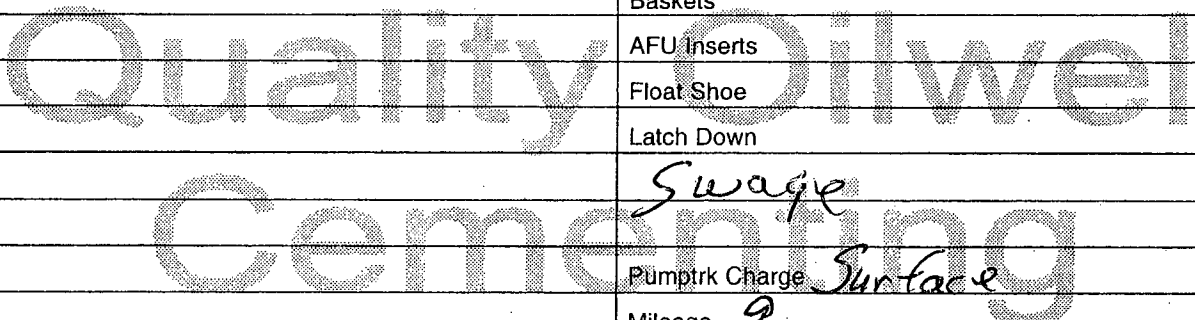
Tax

Discount

Total Charge

*Rodney Fan*

*Russell*



# QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025

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

No. 4289

Cell 785-324-1041

Date	6-19-2010	Sec.	12	Twp.	14	Range	20	County	Ellis	State	Ks	On Location		Finish	1:45 PM	
Lease	R+E Augustine		Well No.	12-1		Location										Hays, Ks - Golf Course Rd, 8 1/2 W, 5/8
Contractor	Muffin Drilling Rig #8							Owner	To Quality Oilwell Cementing, Inc.							
Type Job	Production							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.	3898'		Charge To	IA Operating									
Csg.	5 1/2" 15 1/2 #		Depth	3897'		Street										
Tbg. Size			Depth			City	State									
Tool	Post Collars		Depth	1451'		The above was done to satisfaction and supervision of owner agent or contractor.										
Cement Left in Csg.	40.11.48		Shoe Joint	40.41.48		Cement Amount Ordered	180 SX Common 10% Salt 2% Gel									
Meas Line			Displace	92 BBLs		EQUIPMENT										
Pumptrk	9	No.	Cementer	Heade		1 1/2 OT	500 gal Mud - Clean									
Bulktrk	3	No.	Driver	Rocky		1 1/2 OT	Common 180									
Bulktrk	pick up	No.	Driver	Rick		8 OT	Poz. Mix									
JOB SERVICES & REMARKS							Gel. 33									
Remarks:								Calcium								
Rat Hole								Hulls								
Mouse Hole								Salt 22								
Centralizers	1, 4, 7, 10, 13, 16, 60							Flowseal								
Baskets	Bottom 58th Jt							Kol-Seal								
D/V or Port Collar	Top 58th Jt - 1451'							Mud CLR 48 - 500 gal								
Recip, Scratchers	1, 2, 3, 4, -16							CFL-117 or CD110 CAF 38								
pipe on bottom, break circulation, pump mud clear 48 - 500 gal, plug Rat hole + mousehole, Hook to casing + miscem shut down, wash up + Released plug. + Shift Displacement with 92 BBLs of water. Mandel plug to 1200 #5 PSI and Float held. Rigged down.							Sand									
							Handling									
							Mileage									
							FLOAT EQUIPMENT									
							Shoe / part Collar									
							Centralizer 7									
							Baskets 1									
							AFU Inserts									
							Float Shoe 1									
							Latch Down 1 Assy									
							16- Recip. Scratchers									
							Pumptrk Charge prod long string									
							Mileage 9									
							Tax									
							Discount									
							Total Charge									
Signature	M. Johnston															

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# QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025  
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Home Office P.O. Box 32 Russell, KS 67665

No. 4114

Date	Sec.	Twp.	Range	County	State	On Location	Finish
7-9-10				Ellis	Kansas		12:00pm
Lease R9E Augustino	Well No. 12-1		Location Hays 8 <sup>1/2</sup> W on Wolf Lause Rd Simb				
Contractor Chitas Well Service				Owner			
Type Job Squeeze				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	T.D.		Charge To I.A. Operating				
Csg. 5 <sup>1/2</sup>	Depth		Street				
Tbg. Size 2 <sup>3/8</sup>	Depth		City State				
Tool Expert	Depth		The above was done to satisfaction and supervision of owner agent or contractor.				
Cement Left in Csg.	Shoe Joint		Cement Amount Ordered 100 Com				
Meas Line	Displace 14 <sup>1/2</sup> T 2 <sup>3/8</sup> C		*Used 50 <sup>50</sup>				
<b>EQUIPMENT</b>							
Pumptrk 1	No.	Cementer	Stave	3	Common 50		
Bulktrk 8	No.	Driver	Dug	3	Poz. Mix		
Bulktrk	No.	Driver	Lisco	3	Gel.		
<b>JOB SERVICES &amp; REMARKS</b>				Calcium			
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			
Perts 3799-3802				Sand			
Packer @ 3691 to squeeze				Handling 100			
Fry. rate 2 <sup>3/8</sup> BPM @ 1500psi.				Mileage 36			
<b>FLOAT EQUIPMENT</b>							
Mix 50sx Displace 8 <sup>1/2</sup> Bbl				Guide Shoe			
Held 1500psi				Centralizer			
Wash cream Full 2 jts				Baskets			
Held 1000psi				AFU Inserts			
Shut in @ 500psi				Float Shoe			
				Latch Down			
Pumptrk Charge Squeeze							
Mileage 8							
Signature				Tax			
				Discount			
				Total Charge			

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# QUALITY OILWELL CEMENTING, INC.

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

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

No. 4004

Date	7-6-10	Sec.	12	Twp.	14	Range	20	County	ELLIS	State	KS	On Location		Finish	2:00pm	
Lease	R.E. Augustine			Well No.	12-1			Location	HAYS GOLF COURSE RD 8 1/2 W S. 120							
Contractor	Chitos							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.							
Type Job	Port collar							Hole Size	T.D. 3900							
Csg.	5 1/2							Depth	Charge To IA Operating							
Tbg. Size	2"							Depth	Street							
Tool	1451'							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 4 1/2 bbl's							Cement Amount Ordered 300 QMDC 1/4 Flo								
<b>EQUIPMENT</b>													used 193			
Pumptrk	9	No.	Cementer	Brandon 3					Common							
Bulktrk	10	No.	Helper	NEALE 3					Poz. Mix							
Bulktrk	PM	No.	Driver	Doug 3					Gel.							
<b>JOB SERVICES &amp; REMARKS</b>													Calcium			
Remarks:	Close tool and pressure casing to 700psi open tool and break circulation. Mix 1955x and displace close tool and pressure casing to 700psi. Run 5 jts and wash clean job													Hulls		
Rat Hole														Salt		
Mouse Hole														Flowseal 75 #		
Centralizers														Kol-Seal		
Baskets														Mud CLR 48		
D/V or Port Collar	1451'							CFL-117 or CD110 CAF 38								
Close tool and pressure casing to 700psi open tool and break circulation. Mix 1955x and displace close tool and pressure casing to 700psi. Run 5 jts and wash clean job													Sand			
Thank You!													Handling			
													Mileage			
													FLOAT EQUIPMENT			
													Guide Shoe			
													Centralizer			
													Baskets			
													AFU/Inserts			
													Float Shoe			
													Latch Down			
													Pumptrk Charge 9 port collar			
													Mileage			
													Tax			
													Discount			
													Total Charge			
Signature <i>[Signature]</i>																

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