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4/28/09

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL 4/22/11

Form ACO-1  
October 2008  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 31739  
Name: Iuka-Carmi Development, LLC  
Address 1: PO Box 907  
Address 2: \_\_\_\_\_  
City: Pratt State: KS Zip: 67124 + \_\_\_\_\_  
Contact Person: Kenneth C. Gates  
Phone: ( 620 ) 672-9571 ext 5  
CONTRACTOR: License # 33843  
Name: Terra Drilling, LLC  
Wellsite Geologist: Dave Williams  
Purchaser: \_\_\_\_\_  
Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  
 Gas  ENHR  SIGW  
 CM (Coal Bed Methane)  Temp. Abd.  
 Dry  Other \_\_\_\_\_  
(Core, WSW, Expl., Cathodic, etc.)

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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: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled Docket No.: \_\_\_\_\_  
 Dual Completion Docket No.: \_\_\_\_\_  
 Other (SWD or Enhr.?) Docket No.: \_\_\_\_\_  
12-30-2008 01-08-2009 04-01-2009  
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - 151-22324-00-00  
Spot Description: \_\_\_\_\_  
NW SE NW SE Sec. 15 Twp. 27 S. R. 12  East  West  
1920 Feet from  North /  South Line of Section  
1938 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Pratt  
Lease Name: John Hamm Well #: 3-15 Twin  
Field Name: unknown  
Producing Formation: Kansas City ~~LANISING~~  
Elevation: Ground: 1821 Kelly Bushing: 1833  
Total Depth: 4578 Plug Back Total Depth: 4280  
Amount of Surface Pipe Set and Cemented at: 317 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 AMINJ 7-13-09  
(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 No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**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.

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: Manager Date: 04-22-2009

Subscribed and sworn to before me this 22<sup>nd</sup> day of April, 2009.

Notary Public: Janis S. Parsons  
Date Commission Expires: 10-01-2011

**JANIS S. PARSONS**  
Notary Public - State of Kansas  
My Appt. Expires 10-01-2011

**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

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Operator Name: Iuka-Carmi Development, LLC Lease Name: John Hamm Well #: 3-15 Twin  
 Sec. 15 Twp. 27 S. R. 12  East  West County: Pratt

**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 copy of all Electric Wireline 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 <i>(Submit Copy)</i>  List All E. Logs Run: Borehole Compensated Sonic Log Cement Bond Log Dual Compensated Porosity Log Dual Induction Log Microresistivity Log	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum Sample Name <u>Top APR 22 2009</u> Borehole Compensated Sonic Log Cement Bond Log <b>KCC</b> Dual Compensated Porosity Log Dual Induction Log Microresistivity Log <b>CONFIDENTIAL</b> <u>APR 22 2009</u> <b>KCC</b>
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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"	10 3/4"	32.75#	317'	A-Serv Lite & Common	300	6% gel, 3% cc & .25 sx celloflake
Production	5 1/2"		15.5#	4522'	AA2	235	2% gel

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				

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
3	4432-4436	500 gal 15% MCA	
3	4314-4320	750 gal 15% MCA	
3	3845-3850	500 gal 15% MCA	

TUBING RECORD: Size: <u>2 3/8"</u> Set At: <u>3890'</u> Packer At: <u> </u> Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>KCC WICHITA</b>
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Date of First, Resumed Production, SWD or Enhr. <u>unknown not hooked up yet</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" 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 checked="" 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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) <u> </u>	PRODUCTION INTERVAL: <u> </u> <u> </u>
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Customer WIKKI CAROL DEVELOPMENT	Lease No.	Date
Lease TWIN HAWK	Well # 3-15 TWIN	1-8-08
Field Order # 10239	Station PRATT	Casing 3 1/2
Type Job CNW-L.S.	Depth 4522	County PRATT
	Formation	State KS
		Legal Description 15-27-12

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 3 1/2	Tubing Size	Shots/Ft		Acid 210SK. AAZ	RATE	PRESS	ISIP	
Depth 4522	Depth	From	To	Pre Pad 1,37ft <sup>3</sup>	Max	CONFIDENTIAL	5 Min.	
Volume 107.6	Volume	From	To	Pad	Min	AP 2 2 2005	10 Min.	
Max Press 1300	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection P.C.	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 4502	Packer Depth	From	To	Flush 107.5361	Gas Volume		Total Load	

Customer Representative BOB MIDHEAD	Station Manager SCOTTY	Treater BOBBY
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Service Units 19866 19959 20920 19831 19862	Driver Names DRAKE PAUL SHANLINE AUL FRIEMAN BILLY SHIELDS
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1730					ON LOCATION w/ FLOAT & QPT.
1830					TRKS. ON LOCATION - SAFETY MEETING
2200					RUN 112 JTS. 15.5" CMT. - 1, 2, 3, 4, 7, 9, 10, 11, 13, 16, 18, 21
0140					CSG. ON BOTTOM
0145					HOOK UP TO CSG. - BREAK CIRC. w/ RIG
0233	1300				SET PACKER SEAL
0240	300		24	4.0	SUPERFLUSH - II
0246	300		5	4.0	H2O SPACER
0248	400		55	5.5	MIX CMT. @ 15, 3" / GAL.
0304					RELEASE PLUG - CLEAR. PUMP + LINES
0307	200			6.5	START DISP.
0324	400		79	6.3	LIFT PRESSURE
0330	1500		107		PLUG DOWN
0345			4/3		PLUG RAT + MOUSE HOLE
					CIRCULATION THRU JOB
					JOB COMPLETE

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THANKS, BOBBY  
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Customer <b>Ultra-Garmi Development</b>	Lease No. <b>3-15 Turn</b>	Date <b>12-30-08</b>
Lease <b>John Hamm</b>	Well # <b>3-15 Turn</b>	
Field Order <b>9267</b>	Station <b>Pratt</b>	Casing <b>10 3/4</b>
	Depth <b>311 Feet</b>	County <b>Pratt</b>
Type Job <b>C.N.W. - Surface</b>	Formation <b>13-2 PS-12W</b>	State <b>KS</b>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size <b>10 3/4</b>	Tubing Size	Shots/Ft	<b>2005</b>	<b>sacks</b>	<b>A-Serv Lite</b>	RATE	PRESS
Depth <b>311 Feet</b>	Depth	From	To	<b>68 Gal.</b>	<b>38 Calcium Chloride</b>	<b>.25 Lb/sk</b>	<b>5 Min.</b>
Volume <b>3.3 Bbl.</b>	Volume	From	To	<b>13.57</b>	<b>Gal. 8.21</b>	<b>Gal/sk</b>	<b>1.61 CU.F</b>
Max Press <b>300 PSI</b>	Max Press	From	To	<b>1005</b>	<b>sacks common</b>	<b>with 38 Calcium Chloride</b>	<b>.25 Lb/sk Cell-</b>
Well Connection <b>10 3/4 collar</b>	Annulus Vol.	From	To	<b>15.6 Lb/Gal.</b>	<b>5.65 Gal/sk</b>	<b>1.23 CU.FT/sk</b>	<b>Annulus Pressure</b>
Plug Depth <b>30 Feet</b>	Racker Depth	From	To	<b>Flush</b>	<b>30 Bbl. Fresh Water</b>		<b>Total Load</b>

Customer Representative <b>Everett Higdon</b>	Station Manager <b>David Scott</b>	Treater <b>Clarence R. Messick</b>
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Service Units	19,870	19,903	19,905	19,831	19,862				
Driver Names	<b>Messick</b>	<b>Shields</b>	<b>Freeman</b>						
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log				
<b>3:30</b>					<b>Trucks on location and hold safety meeting.</b>				
<b>4:15</b>					<b>Terra Drilling start to run 7 Joints new Limited Service 10 3/4 casing.</b>				
<b>6:15</b>					<b>Casing in well. Circulate for 10 minutes</b>				
<b>6:30</b>	<b>300</b>			<b>5</b>	<b>Start Fresh Water Pre-Flush.</b>				
			<b>10</b>	<b>5</b>	<b>Start Mixing 200 sacks A-Serv Lite.</b>				
			<b>67</b>	<b>5</b>	<b>Start Mixing 100 sacks common.</b>				
<b>6:46</b>			<b>89</b>	<b>5</b>	<b>Start Fresh Water Displacement.</b>				
<b>6:55</b>	<b>300</b>		<b>119</b>		<b>Plug down. Shut in Well.</b>				
					<b>Circulated 15 sacks cement to pit.</b>				
					<b>Wash up pump truck.</b>				
<b>7:30</b>					<b>Job Complete.</b>				
					<b>Thank You.</b>				
					<b>Clarence, Billy, Neil</b>				

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