

CONFIDENTIAL

ORIGINAL

3/11/10

Handwritten initials and date: 3/27/09

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

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
CONTRACTOR: License # 33843
Name: Terra Drilling, LLC
Wellsite Geologist: Dave Williams
Purchaser: _____

Designate Type of Completion:
____ New Well ____ Re-Entry ____ Workover
 Oil ____ SWD SLOW
 Gas ____ ENHR SIGW
____ CM (Coal Bed Methane) ____ Temp. Abd.
____ Dry ____ Other _____
(Core, WSW, Expl., Cathodic, 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: _____ Plug Back Total Depth
____ Commingled Docket No.: _____
____ Dual Completion Docket No.: _____
____ Other (SWD or Enhr.?) Docket No.: _____

<u>1-14-2009</u>	<u>1-23-2009</u>	<u>2-25-2009</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 151-22325-00-00
Spot Description: _____
NE SE NW NE Sec. 23 Twp. 26 S. R. 11 East West
735 Feet from North / South Line of Section
1565 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Pratt
Lease Name: Schwertfeger Well #: 1-23
Field Name: _____
Producing Formation: Viola
Elevation: Ground: 1821 Kelly Bushing: _____
Total Depth: 4520 Plug Back Total Depth: 4477
Amount of Surface Pipe Set and Cemented at: 546 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 *AKINS 1-25-10*
(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: March 11, 2009
Subscribed and sworn to before me this 11th day of March
20 09
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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MAR 25 2009
CONSERVATION DIVISION
WICHITA, KS

Operator Name: Iuka-Carmi Development, LLC Lease Name: Schwertfeger Well #: 1-23
 Sec. 23 Twp. 26 S. R. 11 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: Cement Bond Log Borehole Compensated Sonic Log Dual Induction Resistivity Log Micro Log	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Cement Bond Log Borehole Compensated Sonic Log Dual Induction Resistivity Log Micro Log
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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
Surface	12 1/4"	8 5/8"	23#	546'	60/40 poz	375	2%gel 3%cc
Production		5 1/2"	15.5#	4477'	A serv lite & AA2	225	

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	4294-4298 <i>CONFIDENTIAL</i> <i>MAR 2 2009</i> <i>KCC</i>	300 gal 15% MCA	

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TUBING RECORD: Size: <u>2 3/8"</u> Set At: <u>4424</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
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 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) _____	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. 2010

Date	1-14-09	Sec.	23	Twp.	26	Range	11	Called Out		On Location		Job Start		Finish	9:00	
Lease	Schweert F Edge	Well No.	1-23			Location	Hwy 61 NM 15			Pratt County	KS State					
Contractor	TERKA Dels					Owner	1 1/2 E Sinto									
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 1/4		T.D.	550		Charge To	TUKA-CARMI DEVE.									
Csg.	8 5/8 23"		Depth	546		Street										
Tbg. Size			Depth			City	State									
Drill Pipe			Depth			The above was done to satisfaction and supervision of owner agent or contractor.										
Tool			Depth			CONFIDENTIAL										
Cement Left in Csg.			Shoe Joint	15		PART 1 2009										
Press Max.			Minimum			CEMENT										
Meas Line			Displace	33.8												
Perf.																
EQUIPMENT						Amount Ordered	375 sx 60/40 P02									
Pumptrk	5	No.	Cementer	JOE		Consisting of	2% GEL 3% CL 1/4" FLUORSEAL									
Bulktrk	7	No.	Driver	Bobby		Common	2250	12 ⁰⁰	2700 ⁰⁰							
Bulktrk	PV	No.	Driver	TOO		Poz. Mix	1500	6 ⁵⁰	925 ⁰⁰							
JOB SERVICES & REMARKS						Gel.	7	20 ⁰⁰	140 ⁰⁰							
Pumptrk Charge	SURFACE		500 ⁰⁰		Chloride	12	50 ⁰⁰	600 ⁰⁰								
Mileage	10 @ 6 ⁰⁰		60 ⁰⁰		Hulls											
Footage					Salt											
Total						Flowseal	94 #	2 ⁰⁰	188 ⁰⁰							
Remarks:	Run 12 #s 8 5/8 23" Csg															
MIX: Pump 375 sx 60/40 P02						Handling	394	82 ⁰⁰	315 ²⁰							
2% GEL 3% CL 1/4" C.F.						Mileage	.08 PER SX PER MILE			500 ⁰⁰						
14.7" GAL 1.25 FT ³						Sub Total										
SHUT DOWN RELEASE Plug						Total										
33.8 Bbls total DISP						Floating Equipment & Plugs	1 Wooden Plug			69 ⁰⁰						
Close Value on Csg 200 ⁰⁰						Squeeze Manifold										
Thanks						Rotating Head	RECEIVED									
TOOO JOE						KANSAS CORPORATION COMMISSION										
Bobby						MAR 25 2009										
Signature						CONSERVATION DIVISION WICHITA, KS										
PLEASE CALL AGAIN						Tax										
						15% Discount										
						Total Charge										

284.34
1950.00
5679.54

Pratt - 2 1/2 NE on Hwy 61 + 90th - 1 1/2 E - State

BASIC

energy services, L.P.

FIELD ORDER 19088

Subject to Correction

Date	1-24-09	Customer ID		Lease	Schwartzberg	Well #	1-23	Legal	23-26-11	
				County	Pratt	State	KS	Station	Pratt	
C H A R G E	Juka Comm. Development			Depth	4518	Formation		Shoe Joint	20.58	
	Casing		5 7/8 15.5'	Casing Depth		4524	TD	Job Type		CNW-5 1/2 L.S
	Customer Representative				Treater		Steve Orlando			

AFE Number		PO Number		Materials Received by	X <i>David W. Jones</i>
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Station Code	Product Code	QUANTITY	MATERIALS, EQUIPMENT, and SERVICES USED	UNIT PRICE	AMOUNT
P	CP106	75SK	A Soru Lite		975.00
P	CP105	150SK	AA2 Cement		2550.00
P	CC102	19Lb	Cellulose		70.30
P	CC105	36Lb	De-foamer		144.00
P	CC111	218Lb	Salt		359.00
P	CC112	43Lb	Cement Friction Reducer		258.00
P	CC115	106Lb	Gas Blok		545.90
P	CC129	71Lb	FLA-322		532.50
P	CC201	750Lb	Gilsonite		502.50
P	CC155	500Gal	Superflush II		765.00
P	CF607	1ea	Latch Down Plug Baffle 5 1/2"		400.00
P	CF1001	1ea	Cement Packer Shoe 5 1/2"		3700.00
P	CF1651	5ea	Turboliner 5 1/2"		550.00
P	CF1901	1ea	Basket 5 1/2"		290.00
P	E101	30mi	Heavy Equipment mileage		210.00
P	E113	155hr	Bulk Delivery		248.00
P	E100	15mi	Pickup Mileage		63.75
P	CE240	22SSA	Cement Service Charge		315.00
P	S003	1ea	Service Supervisor		175.00
P	CE205	1ea	Depth Charge 4001-5000		2520.00
P	CE504	1ea	Plug Container		250.00
P	CE503	1ea	Derrick Charge Over 6'		300.00
			Discounted price plus taxes		

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Customer Luka Carmi Development		Lease No.		Date 1-24-09	
Lease Schwerfeger		Well # 1-23			
Field Order # 19088	Station Pratt	Casing 571155	Depth 4524	County Pratt	State KS
Type Job CNW-5 1/2 L.S.			Formation	Legal Description 23-26-11	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size #	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
571155			1505ks	AA2	1.37 yield			
Depth 4524	Depth	From	To 755ks	Pre Pad	Aserv Lite 1.73 yield	Max		5 Min.
Volume 107.7	Volume	From	To	Pad		Min		10 Min.
Max Press	Max Press	From	To	Frac		Avg		15 Min.
Well Connection	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth 4500	Packer Depth	From	To	Flush	107	Gas Volume		Total Load

Customer Representative Gerald Fackler			Station Manager Dave Scott			Treater Steve Orlando		
Service Units	27283	19889/19847	19831	21010				
Driver Names	Orlando	Koslay	Lachance					

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
3:30 AM					On location - Safety meeting
					Run 107 JTs 5 1/2 casing
					Centralizers 1-3-5-7-9 Basket #3
					Packer Shoe on Bottom - casing on Bottom
					Hook up to Rig Break Circ w/Rig
12:08	350		12	5	Superflush III
12:11	350		3	5	H2O
12:12	350		15	5	Mix 505ks Aserv Lite @ 1.3 #/Gal
12:15	300		36.5	5	Mix 1505ks AA2 @ 15.5 #/Gal
					Shut Down - Clear pump & line
					Release plug
12:30	0		0	7	Start Displacement
12:37	400		50	6	Lost pressure
12:40	800		95	5	Slow Rate - Switch to mud
12:45	1500		107	4	Plug Down - Held
					Circulation thru job
					plug KH-mill w/ 255ks Aserv
					Job Complete
					Steve

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NATURAL GAS ANALYSIS REPORT
GPA 2145-09

Sampled by:
Trilobite Testing, Inc.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 785-625-5620

Analyzed by:
Caraway Analytical, Inc
P. O. Box 2137
Liberal, Kansas 67905
Phone: 620-624-5389
Fax: 620-626-7108

Lab Number: 20090230
Sample From: Schwetfeger 1-23
Producer: Iuka/Carmi
Date:
Time:
Sampler:
Source: DST 4

Analyzed: 01/27/09
Pressure:
Temperature:
Location: 23-26-11
County: Pratt
State: Kansas
Formation: Viola

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	Mole %	GPM
Helium	He: 0.290	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 6.427	0.000
Carbon Dioxide	CO2: 0.254	0.000
Methane	C1: 81.082	0.000
Ethane	C2: 4.810	1.804
Propane	C3: 3.222	1.208
Iso Butane	iC4: 0.540	0.165
Normal Butane	nC4: 1.636	0.520
Iso Pentane	iC5: 0.401	0.110
Normal Pentane	nC5: 0.466	0.129
Hexanes Plus	C6+: 0.872	0.200

TOTAL: 100.000 4.137
Z Fact: 0.9998
SP.GR.: 0.7083
BTU (SAT): 1138.3 @ 14.73 psia
BTU (DRY): 1158.4 @ 14.73 psia
OCTANE RATING: 116.2

COMMENTS:

0.000

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