

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

*ORIGINAL*

Operator: License # 33785  
Name: Energy Operations Kansas, LP  
Address: 9393 West 110th St., Ste 500  
City/State/Zip: Overland Park, KS 66210  
Purchaser: N/A  
Operator Contact Person: Gary L. Miller  
Phone: (918) 398-9976  
Contractor: Name: Warrick Drilling LLC  
License: 33719  
Wellsite Geologist: George Alcorn

Designate Type of Completion:  
 New Well     Re-Entry     Workover  
 Oil     SWD     SLOW     Temp. Abd.  
 Gas     ENHR     SIGW  
 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./SWD  
 Plug Back \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Docket No. \_\_\_\_\_  
 Dual Completion    Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?)    Docket No. \_\_\_\_\_

<u>7/13/2006</u>	<u>8/01/2006</u>	<u>10/23/2006</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 069-20291-0000  
County: Gray  
SW SW SW Sec. 10 Twp. 29 S. R. 30  East  West  
330 feet from S N (circle one) Line of Section  
330 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Copeland Well #: 1-10  
Field Name: Wildcat

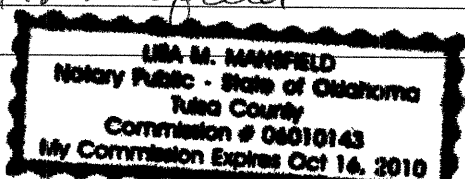
Producing Formation: NONE  
Elevation: Ground: 2810 Kelly Bushing: 2818  
Total Depth: 5574 Plug Back Total Depth: 4855  
Amount of Surface Pipe Set and Cemented at 1782 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 3176 Feet  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit) *ALT I WAN 3-7-07*  
Chloride content 1,482 ppm Fluid volume 11,500 bbls  
Dewatering method used evaporate  
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: *Gary L. Miller*  
Title: Operations Manager Date: 11/16/2006  
Subscribed and sworn to before me this 20 day of December,  
2006.  
Notary Public: *Risa M. Mansfield*  
Date Commission Expires: \_\_\_\_\_



**KCC Office Use ONLY**

Y Letter of Confidentiality Received  
If Denied, Yes  No  Date: 12-26-06  
PM 12-21-06 - Fed EP  
Wireline Log Received **RECEIVED**  
Geologist Report Received **KANSAS CORPORATION COMMISSION**  
UIC Distribution  
**DEC 21 2006**

CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Energy Operations Kansas, LP Lease Name: Copeland Well #: 1-10  
 Sec. 10 Twp. 29 S. R. 30  East  West County: Gray

**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  Yes  No  
 (Attach Additional Sheets)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy)

List All E. Logs Run:

ISAT, SDL/DSN, MICROLOG, ACRT

<input checked="" type="checkbox"/> Log		Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum	
Chase Group	2680	KB	
Council Grove	3031		
Neva	3185		
Topeka	3742		
Lansing Group	4256		
Morrow	5084		
St. Genevieve	5380		
St. Louis	5506		

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	24	1782	ACON	470	3%cc1
Production	7 7/8	5 1/2	15.5	5155	50/50 poz	400	10% SALT

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
4	5022-5030	1000 g gelled 15% fehcl	5022-5030
CIBP	5000	2 sks cement	5000
3	4886-4902	1600 G 15%HCL + 70 BS	4886-4902
CIBP	4870	2 SKS CEMENT	4870
3	2690-2700, 2720-2738	2800G 15% FEHCL;7416G 70%N2 +30000#	2690-2738

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 7/8	2655	n/a	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.		Producing Method			
SI		<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain) <i>SWAB TEST</i>			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	101	264	n/a	NO OIL

Disposition of Gas  Vented  Sold  Used on Lease (If vented, Submit ACO-18.)

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) SI WOO

Production Interval

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**TREATMENT REPORT**

Operator: *Gray Operating of Oklahoma* Lease No.: \_\_\_\_\_ Date: *8-03-06*  
 Station: *Capeland* Well #: *1-10*  
 Field Order #: *12896* Station: *Liberal* Casing: *5/2* Depth: *5158.85* County: *Gray* State: *KS*  
 Type Job: *1/2 2 stage longstring* (NW) Formation: \_\_\_\_\_ Legal Description: *10-29 S-30W*

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft	<i>1 3'</i>	Acid	<i>200 sk 50/50 Pot</i>	RATE	PRESS	ISIP #
Depth	Depth	From	To	Pre Pad	<i>.6% FLA-30</i>	Max		<i>5 Min.</i>
Volume	Volume	From	To	Pad	<i>200 sk 50/50 Pot</i>	Min		<i>10 Min.</i>
Max Press	Max Press	From	To	Frac	<i>100 sk ACon 3%</i>	Avg	<i>1/4" Cell Floe</i>	<i>15 Min.</i>
Well Connection	Annulus Vol.	From	To		<i>11.4 PPG - 3.06 G<sup>3</sup></i>	High Used		Annulus Pressure
Plug Depth	Becker Depth	From	To	Flush	<i>Water/Mud</i>	Gas Volume		Total Load

Customer Representative: \_\_\_\_\_ Station Manager: *Serry Bennett* Treater: *Kirby Harper*

Service Units	<i>126</i>	<i>227</i>	<i>325</i>	<i>575</i>				
Driver Names	<i>Hagan</i>	<i>Hagan</i>	<i>Ragan</i>					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>1000</i>					<i>Op location - spot &amp; rig up</i>
<i>1030</i>					<i>losing on bottom - Break Circulation</i>
<i>1144</i>	<i>100</i>		<i>5</i>	<i>4</i>	<i>Pump 5 bbl of water</i>
<i>1147</i>	<i>100</i>		<i>12</i>	<i>4</i>	<i>Pump 500 Gal of Mud flush</i>
<i>1152</i>	<i>100</i>		<i>5</i>	<i>4</i>	<i>Pump 5 bbl of water</i>
<i>1154</i>	<i>100</i>		<i>50</i>	<i>4.5</i>	<i>Mix 200 sk 50/50 Pot @ 13.8 PPG</i>
<i>1207</i>					<i>Shut down - drop plug - clean lines</i>
<i>1212</i>	<i>100</i>		<i>0</i>	<i>4.5</i>	<i>Start displacing</i>
<i>1226</i>	<i>100</i>		<i>50</i>	<i>5</i>	<i>Start pumping 1/2 bbl of mud</i>
<i>1236</i>	<i>100</i>		<i>112</i>	<i>2</i>	<i>Slow Rate</i>
<i>1243</i>	<i>500-1200</i>		<i>122</i>		<i>Bump plug</i>
<i>1243</i>	<i>1200-0</i>				<i>Release pressure - Florts Held</i>
<i>1315</i>	<i>0</i>				<i>Open D/I Tool - Break Circ</i>
<i>1712</i>	<i>100</i>		<i>5</i>	<i>4</i>	<i>Pump 5 bbl water</i>
<i>1714</i>	<i>100</i>		<i>12</i>	<i>4</i>	<i>Pump 500 Gal Mud flush</i>
<i>1719</i>	<i>100</i>		<i>5</i>	<i>4</i>	<i>Pump 5 bbl water</i>
<i>1722</i>	<i>100</i>		<i>54</i>	<i>5</i>	<i>Mix 100 sk ACon @ 11.4</i>
<i>1735</i>	<i>100</i>		<i>25</i>	<i>5</i>	<i>Mix 100 sk 50/50 Pot @ 13.8</i>
<i>1742</i>					<i>Shutdown - drop plug clean lines</i>
<i>1746</i>	<i>100</i>		<i>0</i>	<i>5</i>	<i>Start displacing</i>
<i>1806</i>	<i>600-2200</i>		<i>76</i>		<i>Bump plug - Close tool</i>
<i>1808</i>	<i>2200-0</i>				<i>Release Pressure - Tool Closed</i>

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KANSAS CORPORATION COMMISSION

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CONSERVATION DIVISION  
WICHITA, KS



**FIELD ORDER** 12896

Subject to Correction

Date: 8-3-06	Customer ID	Lease: Coal land	Well #: 1-10	Legal: 10-295-306
Energy Operations of Oklahoma		County: Gray	State: KS	Station: Liberal
C H A R G E		Depth	Formation	Shoe Joint: 44'
		Casing: 5 1/2	Casing Depth: 5155	TD
		Customer Representative		Treater: Kirby Harper
APE Number		PO Number		Materials Received by: X

Station Code	Product Code	QUANTITY	MATERIALS, EQUIPMENT, and SERVICES USED	UNIT PRICE	AMOUNT
L	D104	300 SK	50/50 Poz		
L	D101	100 SK	A-Con Blend		
L	C195	152 lb	FLA-322		
L	C140	809 lb	KCL		
L	C311	120 lb	Cal Set		
L	C321	1512 lb	Carlsonite		
L	C194	24 lb	Cellulose		
L	C310	282 lb	Calcium Chloride		
L	F251	1 EA	Two Stage Cement Collar, 5 1/2"		
L	F181	1 EA	Weatherford Latch Down Plug + Baffle sk		
L	E100	186 MI	Heavy Vehicle Mileage 1-way		
L	E107	400 SK	Cement Service Charge		
L	E104	1073 TM	Proppant + Bulk Delivery 100 mile/100 mi		
L	E101	62 MI	Car, Pickup or Van Mileage 1 way		
L	R211	1 EA	Casing Cement Pumper, 3001-5500		
L	CH1	6 Gal	CC-1		
L	Q302	1000 Gal	Mud Flush		
Discounted Total Plus Tax					18,212. <sup>4</sup>

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System: Energy Operating of Oklahoma Lease No.: \_\_\_\_\_ Date: 7-15-06  
 Lease: Corland Well #: 1-10  
 Field Order #: \_\_\_\_\_ Station: Liberal Casing: 8 5/8 Depth: 1185.93 County: Gray State: KS  
 Type Job: 8 5/8" Surface (NW) Formation: \_\_\_\_\_ Legal Description: 10-245-30W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size	Tubing Size	Shots/Ft		Rate	Press	ISIP	
<u>8 5/8</u>				<u>475 SK A Con</u>	<u>3.06</u>	<u>11.4</u>	<u>5 Min.</u>
Depth	Depth	From	To	Pre Pad #	Max		
				<u>11.4</u>	<u>3.06</u>	<u>11.4</u>	<u>10 Min.</u>
Volume	Volume	From	To	Pad	Mid		
				<u>200 SK Class A</u>	<u>2.9</u>	<u>11.4</u>	<u>15 Min.</u>
Max Press	Max Press	From	To	Frac #	Avg		
				<u>15</u>	<u>1.33</u>	<u>6.34</u>	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth	Pecker Depth	From	To	Flush	Gas Volume		Total Load
				<u>Water</u>			

Customer Representative: Red Anderson Station Manager: Jerry Bennett Treater: Kirby Harper  
 Service Units: 176 227 338 575 344 502  
 Driver Names: Harper Helms Regan Ortiz

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<u>0700</u>					<u>On Location - Spot + Rig up</u>
					<u>Start Running</u>
<u>1530</u>					<u>Casing on Bottom - Break Circulation</u>
<u>1611</u>	<u>100</u>	<u>100</u>	<u>259</u>	<u>5</u>	<u>Start mixing 475 SK A Con @ 11.4</u>
<u>1712</u>	<u>100</u>		<u>47</u>	<u>4</u>	<u>Start mixing 200 SK Class A @ 15</u>
<u>1730</u>					<u>Shut down = drop top plug</u>
<u>1735</u>	<u>100</u>		<u>0</u>	<u>5</u>	<u>Start displacing</u>
<u>1858</u>	<u>200</u>		<u>101</u>	<u>2</u>	<u>Slow Rate</u>
<u>1803</u>	<u>300-1100</u>		<u>111</u>		<u>Bump plug</u>
<u>1804</u>	<u>1100-0</u>				<u>Release Pressure - Float Held</u>
					<u>Circulate cement to the pit</u>
					<u>Job Complete</u>

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**FIELD ORDER 12806**

Subject to Correction

Date **7-15-06** Customer ID

Lease <b>Copeland</b>	Well # <b>1-10</b>	Legal <b>10-295-300</b>
County <b>Grady</b>	State <b>KS</b>	Station <b>Liberal</b>
Depth <b>7785.93'</b>	Formation	Shoe Joint <b>42</b>
Casing <b>8 5/8"</b>	Casing Depth <b>1783'</b>	TD
Customer Representative <b>Red Madson</b>	Treater <b>Kirby Harper</b>	Job Type <b>8 5/8" Surface to</b>

Energy Operations of Oklahoma

AFE Number PO Number

Materials Received by **X**

Station Code	Product Code	QUANTITY	MATERIALS, EQUIPMENT, and SERVICES USED	UNIT PRICE	AMOUNT
L	D100	200 SK	Common		
L	D101	475 SK	A-Con Blend		
L	C310	1715 LB	Calcium Chloride		
L	C194	159 LB	Cellflake		
L	F193	1 EA	Guide Shoe - Reg, 8 5/8"		
L	F233	1 EA	Flapper Type Insert float		
L	F103	0 EA	Centralizer		
L	F123	0 EA	Basket, 8 5/8"		
L	F145	1 EA	Top Rubber Cement Plug		
L	F800	1 EA	Threadlock Compound Kit		
L	E100	186 MI	Heavy Vehicle Mileage		
L	E101	675 SK	Cement Service Charge		
L	E104	1969 TM	Bulk delivery		
L	E101	62 MI	Pickup Mileage		
L	R204	1 EA	Casing Cement Pumping, 1501-2000		
L	R701	1 EA	Cement Head Rental		
L	R402	7 hr	Additional Hours		
			Discounted Total		19453.10
			Plus Tax		

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TOTAL

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