

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION.

ORIGINAL

Form ACO-1  
October 2008  
Form Must Be Typed

2/19/10

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5056  
Name: F.G. Holl Company, LLC  
Address 1: 9431 E. Central - Suite 100  
Address 2: \_\_\_\_\_  
City: Wichita State: Kansas Zip: 67206 + 2563  
Contact Person: Franklin R. Greenbaum  
Phone: (316) 684-8481 ext.206  
CONTRACTOR: License # 5929 **CONFIDENTIAL**  
Name: Duke Drilling Co., Inc.  
Wellsite Geologist: Rene Husted FEB 19 2009  
Purchaser: NCRA **KCC**

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.: \_\_\_\_\_  
11-11-08 11-21-08 02/18/2009  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 009-25289-00-00  
Spot Description: 50' West of  
E2 NW SW SW Sec. 36 Twp. 19 S. R. 14  East  West  
990 Feet from  North /  South Line of Section  
610 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Barton County, Kansas  
Lease Name: Essmiller Well #: 1-36  
Field Name: Caskey  
Producing Formation: Lansing- Kansas City  
Elevation: Ground: 1867' Kelly Bushing: 1875'  
Total Depth: 3650' Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 779 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/ AI+I-Drg-4113/09 <sup>5x cmt.</sup>

Drilling Fluid Management Plan  
(Data must be collected from the Reserve Pit)  
Chloride content: 48,000 ppm Fluid volume: 500 bbls  
Dewatering method used: No free fluids  
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: Franklin R. Greenbaum  
Title: Exploration Manager Date: 02/20/2009  
Subscribed and sworn to before me this 20th day of February 2009  
20 The State of Kansas; Sedgwick County  
Notary Public: Betty H. Spotswood  
Date Commission Expires: 04/30/2010

Notary Public - State of Kansas  
BETTY H. SPOTSWOOD  
My Appointment Expires 4/30/2010

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

FEB 23 2009  
**RECEIVED**

JAMBOIRO

Side Two

Operator Name: F.G. Holl Company, LLC

Lease Name: Essmiller

Well #: 1-36

Sec. 36 Twp. 19 S. R. 14  East  West

County: Barton County, Kansas

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 (Attach Additional Sheets)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Herrington 1709 (+166)	Swope 3393 (-1518)
Electric Log Run (Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Ft Riley 1854 (+21)	BKC 3438 (-1563)
List All E. Logs Run:		Council Gr 2036 (-161)	Arbuckle 3510 (-1635)
DIL/CDL/CNL		Neva 2207 (-332)	RTD 3650 (-1775)
BHCS/CPI/Resistivity		Red Eagle 2263 (-388)	
		Stotler 2569 (-694)	
		Tarkio 2628 (-754)	
		Howard 2767 (-892)	
		Heebner 3099 (-1224)	
		Toronto 3114 (-1239)	
		Douglas Sh 3131 (-1256)	
		Brown Lime 3200 (-1325)	

CASING RECORD <input checked="" type="checkbox"/> New <input checked="" type="checkbox"/> Used LKC 3210 (-1335)							
Report all strings set-conductor, surface, intermediate, production, etc. LKC "H" 3338 (-1463)							
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#	779'	A-Con & Common	175 & 150	
Production	7-7/8"	4-1/2"	10.5#	3649'	AA2	175 & 75	

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 SPF	3396 - 3399, 3372' - 3378'	Spotted 500 gal 10% acetic acid	
4 SPF	3272' - 3277', 3255' - 3258'	200 gal 1 % acid	
	CIBP set @ 3392'	2550 gal 10% Mira acid	

TUBING RECORD:	Size: 2-3/8"	Set At: 3386'	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. 02/20/2009	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 (If vented, Submit ACO-18.)	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: 3255' - 3378' LKC
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# BASIC

energy services, L.P.

**FIELD ORDER**

19242

Subject to Correction

Date <b>11-22-08</b>	Customer ID	Lease <b>ESMILLER</b>	Well # <b>1-36</b>	Legal <b>36-19-14</b>
<b>EG HOLL</b>		County <b>BARTON</b>	State <b>KS</b>	Station <b>BRAN, KS</b>
C H A R G E		Depth <b>2340</b>	Formation <b>DUTOO</b>	Shoe Joint <b>13'</b>
		Casing <b>4 1/2</b>	Casing Depth <b>3649</b>	TD <b>3650</b>
		Customer Representative <b>Rob</b>	Treater <b>GORDLEY</b>	Job Type <b>CNW-LS</b>
AFE Number	PO Number	Materials Received by <b>X Rob Long</b>		

Station Code	Product Code	QUANTITY	MATERIALS, EQUIPMENT, and SERVICES USED	UNIT PRICE	AMOUNT
P	CP105	175 SK	AAZ CEMENT		
	CP105	100 SK	AAZ CEMENT		
	CC102	69 lb.	CELLULOSE		
	CC105	65 lb.	DEFOAMER		
	CC111	132 lb.	SALT		
	CC115	94 lb.	GAS BLOK		
	CC129	259 lb.	FLA-322		
	CC201	270 lb.	GILSONITE		
	CC154	1000 gal.	SUPERFLUSH		
	CF400	1 EA.	4 1/2 TWO STAGE CEMENT COLLAR		
	CF600	1 EA.	4 1/2 LATCH DOWN PLUG		
	CF1250	1 EA.	4 1/2 APN PUMP SHOES		
	CF1650	13 EA.	4 1/2 TURBOLIZER		
	CF1900	2 EA.	4 1/2 BASKET		
	CF2002	51 EA	ROTATING SCRAPER		
	E101	110 mile	TRUCK MILEAGE		
	E113	712 TM	BULK DELIVERY		
	E100	55 mile	PICKUP MILEAGE		
	CE240	275 SK	BLENDING CHARGE		
	S003	1 EA.	SERVICE SUPERVISOR		
	CE504	1 EA.	PLUG CONTAINER		
	CE501	1 EA.	CASING SWIVEL		
	CE204	1 EA.	PUMP CHARGE		

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Customer	FG Holl	Lease No.		Date	11-22-08
Lease	ESSMORER	Well #	1-36		
Field Order #	1742	Station	Pratt, KS	Casing	4 1/2
Type Job	CNW-L.S.	Depth	3649	County	BRAYTON
		Formation	D-3650	State	KS
		Legal Description	36-19-14		

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	4 1/2	Tubing Size		Acid	RATE	PRESS	ISIP
Depth	3649	Shots/Ft		Pre Pad	Max		5 Min. FEB 23 2009
Volume	57.8	From		Pad	Min		10 Min. RECEIVED
Max Press	2340	To		Frac	Avg		15 Min.
Well Connection		Annulus Vol.			HHP Used		Annulus Pressure
Pipe Depth	2636	From		Flush	Gas Volume		Total Load
Packer Depth		To					

Customer Representative	ROB	Station Manager	SCOTT	Treater	CONDLEY
Service Units	19997	19959-20920	19832-21010		
Driver Names	KG	PAUL	LACHANCE		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2130					ON LOCATION 11/21/08
					RUN 3649 4 1/2 CASG - 87 FT
					HEAVY SHTG, LIFT BASKET 12' FROM
					CENT-5-7-8-9-10-11-12-13 30-33-34-35
					BASKET - 6-32
					DU TOOL-TOP 32 AT 2340'
					SEARCHERS
2300					TRG BOTTOM-DROP BACK - care.
					ROTATE CASING
					BOTTOM STAGE
0100	400		12	6	PUMP 12 GAL SUPERFLUSH
	400		3	6	PUMP 3 GAL H <sub>2</sub> O
	300		45	6	MIX 175K AAZ CEMENT
					SUP-WASH LINE - DROP PNC
	0		0	6	START DISP. W/ H <sub>2</sub> O
	150		25	6	START MIN DISP.
	250		35	6	LIFT CEMENT
	500		53	4	SLOW RATE
0130	1500		57.8	3	PUNG DOWN - HELD

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## TREATMENT REPORT

Customer <b>FGHOLL</b>		Lease No.		Date <b>11-22-08</b>	
Lease <b>ESMILLER</b>		Well # <b>1-36</b>			
Field Order # <b>19042</b>	Station <b>PRATT, KS.</b>	Casing <b>4 1/2</b>	Depth <b>3649</b>	County <b>BROWN</b>	State <b>KS.</b>
Type Job <b>CAVU - LIS.</b>	Formation			Legal Description <b>36-19-14</b>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <b>4 1/2</b>	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
Depth <b>3649</b>	Depth	From	To	Pre Pad	Max			5 Min.
Volume <b>DU</b>	Volume <b>2340</b>	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 <b>3650</b>	Packer Depth	From	To	Flush	Gas Volume			Total Load

Customer Representative **RSP** Station Manager **SEARBY** Treater **CORDLEY**

Service Units

Driver Names

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0140					DROP DU. OPEN PLUG
0155	900				OPEN DU TOOL AT 2340
0200					CARE W/ REG. PUMP 2 HOURS
0400	200		12	6	TOP STAGE
	200		3	6	PUMP 12 bbl. SUPERFLUSH
	100		19	6	PUMP 3 bbl. H <sub>2</sub> O
					MIX 75 SEC AA 2 CEMENTS
					W/ GAS BLOK
	0		0	6	STOP - WASH LINE - DROP PLUG
	200		29	6	START DESP. W/ H <sub>2</sub> O
0620	1500		37.2	4	LIFT CEMENT
					PLUG DOWN - DU CLOSED

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PLUG RAT & WASTE HOLE  
75 SEC AA 2 CEMENTS

JOB COMPLETE  
THANKS - KEVIN

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**FIELD ORDER**

18899

Subject to Correction

Date	11-12-08	Customer ID		Lease	Essmiller	Well #	1-36	Legal	36-195-14W	
				County	Barton	State	KS	Station	Pratt	
C H A R G E	F.G. Holl Company, LLC.			Depth		Formation		Shoe Joint	15 Feet	
				Casing	8 7/8"	Casing Depth	779 FT. TD	781 Feet	Job Type	C.N.W. - Surface
				Customer Representative	Steve Stephens	Treater	Clarence R. Messick			

AFE Number		PO Number		Materials Received by	X <i>Alvin Alps</i>		KG.
------------	--	-----------	--	-----------------------	---------------------	--	-----

Station Code	Product Code	QUANTITY	MATERIALS, EQUIPMENT, and SERVICES USED	UNIT PRICE	AMOUNT
P	CP101	175 sk	A-CON		
P	CP100	150 sk	Common		
P	CC102	82 Lb	Cellflake		
P	CC109	918 Lb	Calcium Chloride		
P	CC200	282 Lb	Cement Gel		
P	CF105	1 ea	Top Rubber Plug, 8 5/8"		
P	CC131	200 Lb	Sugar		
P	E101	110 mi	Heavy Equipment Mileage		
P	E113	842 tm	Bulk Delivery		
P	E100	55 mi	Pickup Mileage		
P	CE240	325 sk	Blending and Mixing Service		
P	5003	1 ea	Service Supervisor		
P	CE201	1 ea	Pump Charge: 50 Feet To 1,000 Feet		
P	CE504	1 Job	Plug Container		
			Discounted Price =		
			Plus Taxes		

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TREATMENT REPORT

Customer E.G. Holl Company, LLC	Lease No.	Date 11-12-08
Lease Essmiller	Well # -36	
Field Order # 8899	Station Pratt	County Barton
Type Job C.N.W. - Surface	Formation 8 5/8" 23lb. 779ft.	State KS.
		Legal Description 36-195-14W

PIPE DATA		PERFORATING DATA		CEMENT USED		TREATMENT RESUME		
Casing Size 8 5/8" 23lb.	Tubing Size 2 3/8"	Shots/Ft 175	From 25 lb./sk	Cell flake	Max	DATE	PRESS	ISIP
Depth 779ft.	Depth	From	12 lb./Gal.	15.46 Gal./sk	Min	2.56	cu. FT./sk	10 Min.
Volume 41.8 Bbl.	Volume	From	150	sacks common with 28 Gal.	Avg	38	Calcium Chloride	15 Min.
Max Press 300 P.S.I.	Max Press	From	25 lb./sk	Cell flake : 15 lb./Gal.	HHF Used	6.50	Gal./sk	Annulus Pressure
Well Connection 1 1/2" Container	Annulus Vol.	From	To	Flush	49 Bbl. Fresh Water	Gas Volume		Total Load
Pipe Depth 704 Feet	Backer Depth	From	To	Flush	49 Bbl. Fresh Water	Gas Volume		Total Load

Customer Representative Steve Stephens	Station Manager David Scott	Treater Clarence R. Messick
Service Units 19,870	19,959	20,920
Driver Names Messick	Shields	Piper
19,831	19,862	

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
3:45					Cementer on location.
4:30					Trucks on location and hold safety meeting.
5:45					Dulite Drilling start to run 18 Joints new 23lb./Ft. 8 5/8" casing.
7:00					Casing in well Circulate for 15 minutes.
7:10	300			5	Start Fresh Water Pre-Flush.
7:15			10	5	Start mixing 175 sacks A-con.
	200		90	5	Start mixing 150 sacks common.
	-0-		126		Stop pumping. Shut in well. Release Top Rubber Plug. Open Well.
7:35	100			5	Start Fresh Water Displacement.
7:45	250		49		Plug down.
					Shut in well. Circulated 5 sacks cement to pit
					Wash up pump truck
8:30					Job Complete.
					Thank You.
					Clarence, Billy, Harry

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# Mud-Co / Service Mud Inc.

Operator **FG Holl** County **Barton** State **Kansas** Pump **6** X **14** X **60** SPM Casing Program **8 5/8" @ 779** ft.  
 Well **Essmiller #1-36** Location \_\_\_\_\_ GPM **7.75** BPM \_\_\_\_\_ " @ \_\_\_\_\_ ft.  
 Contractor **Duke Drilling #8** Sec **36** TWP **19S** RNG **14W** D.P. **4.5** in. **191** FT/MIN R.A. \_\_\_\_\_ " @ \_\_\_\_\_ ft.  
 Stockpoint **Pratt, Ks.** Date **11/11/2008** Engineer **Rick Hughes** Collar **6.25** in. **482** ft. **348** FT/MIN R.A. Total Depth **3650** ft.

DATE	DEPTH feet	WEIGHT lb/gal	VISCOSITY			GELS 10 sec / 10 min.	pH Strip _ Meter _	FILTRATION ANALYSIS					SAND %	RETORT			L.C.M.	Pump Press: PSI	CUMULATIVE COST	REMARKS AND TREATMENT	
			Sec API @ _ F	PV @ _ F	Yp			ml API	Cake 32nds	Pres. #/BBL	Cl ppm	Ca ppm		Solids %	Oil %	Water %					
11/11	0																				
11/13	1740	8.8	42	9	14	13/21	12.0	10.4	1			27M	360		1.3		98.7				RURT CFS Starch at 1647'
11/14	2208	9.6	50	12	32	35/48	11.0	9.6	2			53M	Hvy		6.2		93.8				Drilling DST #1 @ 1740
11/15	2357	9.8	44	12	22	28/45	10.5	9.4	2			63M	Hvy		6.5		93.5				Drilling DST #2 @ 2293
11/15	2581	8.8	44	12	11	13/32	12.0	6.2	1			6,600	20		3.3		96.7				Drilling Displace at 2560'
11/16	3013	9.2	45	12	15	18/53	11.5	7.2	1			6,800	40		5.6		94.4				Drilling Bit trip 3010
11/17	3250	9.3	49	14	15	23/68	11.5	7.6	1			6,300	20		6.8		93.2				CFS DST #3 @ 3131
11/18	3282	9.1	42	14	13	16/36	11.0	7.6	1			6,700	60		5.4		94.6				Clean rig/DST 5 DST #4 @ 3250
11/19	3358	9.1	44	11	12	16/36	11.5	8.8	1			5,900	40		5.0		95.0				CCM after DST6 DST #7 @ 3388
11/20	3480	9.0	51	13	18	21/45	11.0	7.2	1			7,300	40		4.6		95.4				CFS DST #8 @ 3510
11/21	3650	9.1	48	16	11	16/36	11.5	9.2	1			7,200	20		4.9		95.1	2			Logging Final: LTD - 3644'. 8 DST's. Run pipe
11/22	3650																				

Reserve Pit, Chl content ppm: **48000**

Estimated Volume: **500** bbls

Offsite reserve pit. Steel pits with centrifugal transfer pump

**MUD-CO / SERVICE MUD INC.**

100 S. Main Suite #310  
Wichita, Ks. 67202  
316/264-2814 Fax: 316/264-5024

**DRILLING MUD RECAP**

Materials	Sacks	Amount	Materials	Sacks	Amount	Amount
C/S HULLS	64		SUPER LIG	14	392.00	
CAUSTIC SODA	30		X-CIDE 102W	2	670.00	
DESCO	2					
DRILL PAK	12					
LIME	1					
MIL-GUARD	3					
PREMIUM GEL	951					
SALT CLAY	102					
SODA ASH	29					
STARCH	188					
						Total Mud Cost
						Trucking Cost
						Trucking Surcharge
						Taxes
						<b>TOTAL COST</b>

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