

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

4/24/10

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 5056
Name: F.G. Holl Company, L.L.C.
Address: 9431 E. Central, Suite 100
City/State/Zip: Wichita, Kansas 67206
Purchaser: NCRA
Operator Contact Person: Franklin R. Greenbaum
Phone: (316) 684-8481, Ext. 206
Contractor: Name: Duke Drilling Company Inc. Rig #8
License: 5929
Wellsite Geologist: Rene Husted **APR 24 2009**

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. _____

03/02/2009	03/09/2009	04/10/2009
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 145-21,581-0000

County: Pawnee

_____ N/2 _____ NE _____ SE _____ Sec. 2 _____ Twp. 20 S. R. 16 East West

2310 feet from (S) N (circle one) Line of Section

660 feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE (SE) NW SW

Lease Name: OETKEN Well #: 1-2

Field Name: Ryan

Producing Formation: Arbuckle

Elevation: Ground: 1977 Kelly Bushing: 1985

Total Depth: 3881' Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at 993' 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.

Alt 1 - Dig - 6/16/09

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content 53,000 ppm Fluid volume 1,000 bbls

Dewatering method used Hauled free fluids to SWD

Location of fluid disposal if hauled offsite:

Operator Name: Pauls Oilfield Service, INC.

Lease Name: MILLER #1 License No.: 31085

Quarter NW Sec. 6 Twp. 19 S. R. 15 East West

County: Barton Docket No.: 21,324

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: Loveness Manje

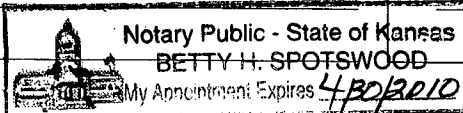
Title: Petroleum Geologist Date: 04/24/2009

Subscribed and sworn to before me this 24th day of April 2009

20 State of Kansas; Sedgwick County

Notary Public: Betty H. Spotswood

Date Commission Expires: 04/30/2010



KCC Office Use ONLY
 Letter of Confidentiality Received
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
KANSAS CORPORATION COMMISSION
UIC Distribution

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Operator Name: F.G. Holl Company, L.L.C. Lease Name: OETKEN Well #: 1-2
 Sec. 2 Twp. 20 S. R. 16 East West County: Pawnee

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:

DIL, ML, CPI
 BHCS
 CDL/CNL

Log Formation (Top), Depth and Datum Sample
 Name Top Datum
 See attachment

CASING RECORD <input checked="" type="checkbox"/> New <input checked="" 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#s	993'	A-Con	195sx	
					Common	200sx	
Production	7-7/8"	5-1/2"	14#	3865'	AA-2 & Scavenger	125 & 25sx	

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
2 SPF	3697' - 3699'		
	3699' - 3702'	250 gal 15% DSFE	

TUBING RECORD		Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. Waiting on SWD		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 Vented Sold Used on Lease (If vented, Submit ACO-18.)

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

Production Interval 3697' - 3702' Arbuckle

OETKEN #1-2
PAWNEE COUNTY, KANSAS

Formation	Sample	Datum	E-Log	Datum
Anhydrite	996	+989	999	+936
Herrington	1915	+70	1924	+61
Winfield	1955	+30	1975	+10
Towanda			2036	-51
Fort Riley			2074	-89
B/Florence			2173	-177
Kinney Ls			2188	-203
Wrefold			2220	-235
Council Grove			2240	-255
Crouse			2278	-293
Neva	2410	-425	2415	-430
Red Eagle	2474	-489	2478	-493
Onaga Shale			2626	-641
Wabaunsee			2648	-663
Root Shale	2700	-715	2700	-715
Stotler	2756	-771	2760	-775
Tarkio	2816	-831	2818	-833
Howard	2954	-989	2957	-972
Severy Shale			3017	1032
Topeka	3040	-1055	3036	-1051
Heebner	3206	-1301	3290	-1305
Toronto	3302	-1317	3307	-1322
Douglas Sh.	3316	-1331	3320	-1335
Brown lime	3365	-1380	3370	-1385
LKC	3373	-1388	3379	-1394
LKC "H"			3508	-1523
Stark Shale			3567	-1582
BKC	3604	-1619	3607	-1622
Arbuckle	3639	-1654	3643	-1658
RTD	3875	-1886	3875	-1890

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TREATMENT REPORT

Customer: F. J. Hall Company Lease No. _____ Date: _____
 Lease: OSTKEN Well #: 1-2
 Field Order #: 19527 Station: PRATT Casing: 8 5/8 Depth: 993 County: Pawnee State: KS
 Type Job: CNW 8 5/8 surface Formation: _____ Legal Description: 2-20-16

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
<u>8 5/8</u>								
Depth <u>993'</u>	Depth	From	To	Pre Pad	Max			5 Min.
Volume <u>62</u>	Volume	From	To	Pad	Min			10 Min.
Max Press <u>580</u>	Max Press	From	To	Frac	Avg			15 Min.
Well Connection <u>P.C.</u>	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth <u>970'</u>	Packer Depth	From	To	Flush	Gas Volume			Total Load

Customer Representative: _____ Station Manager: DAVE SCOTT Treater: Robert Sullivan

Service Units	<u>19867</u>	<u>19959</u>	<u>20920</u>	<u>19932</u>	<u>21010</u>				
Driver Names	<u>Sullivan</u>	<u>Roush</u>		<u>Lachance</u>					

Time	Casing Pressure	Tubing Pressure	Bbls: Pumped	Rate	Service Log
<u>1040</u>					<u>ON loc safety meeting</u>
					<u>Run 23 STS ^{HL} 23 CASING 8 5/8</u>
<u>1235</u>					<u>CASING ON BOTTOM</u>
<u>1245</u>					<u>Hook Break circ.</u>
<u>1255</u>			<u>5</u>	<u>5</u>	<u>Start H²O SPACER</u>
			<u>89</u>	<u>5.5</u>	<u>Mix 195 sk A-con cmt</u>
			<u>48</u>	<u>5.5</u>	<u>Mix 200 sk Common 3% cc 2% gel</u>
<u>0120</u>				<u>5.5</u>	<u>Shut down O Release Plug</u>
				<u>5.5</u>	<u>Start Disp</u>
<u>0130</u>	<u>400</u>		<u>62</u>	<u>3.5</u>	<u>Plug down</u>
					<u>circulated 20 BBL cmt to pit</u>
					<u>job complete</u>
					<u>Thank you!</u>

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energy services, L.P.

TREATMENT REPORT

Customer: A. G. HOLL company Lease No. _____ Date: _____
 Lease: OETKEN Well # 1-2
 Field Order # 19531 Station PRATT Casing 5 1/2 Depth 3865 County PAWNEE State KS
 Type Job CNW. 5 1/2 Long Strip Formation _____ Legal Description 2-20-16

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<u>5 1/2</u>								
Depth <u>3865</u>	Depth	From	To	Pre Pad	Max		5 Min.	
Volume <u>94</u>	Volume	From	To	Pad	Min		10 Min.	
Max Press <u>2,000</u>	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection <u>PC</u>	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth <u>3875</u>	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative _____ Station Manager DAVE SCOTT Treater Robert Sullivan
 Service Units 19867 19959 20920 19826-19860
 Driver Names Sullivan Roush gonzalez

Time	Casing Pressure	Tubing Pressure	Bbls Pumped	Rate	Service Log
<u>2030</u>	<u>200</u>				<u>ON loc Salty meety</u>
					<u>Run 93 sts #14 5 1/2 CASING</u>
					<u>cont. 1, thru 10 Baskets 4, 6</u>
<u>2315</u>					<u>CASING ON BOTTOM</u>
<u>2330</u>	<u>0m</u>				<u>Hook Rig to Break Circ</u>
<u>0135</u>			<u>12</u>		<u>Start Super Flush</u>
			<u>3</u>	<u>4</u>	<u>Run 4" spacer</u>
	<u>200</u>		<u>9</u>		<u>MIX 25 SK SQUANGER cont @ 12 1/2 GAL</u>
			<u>32</u>	<u>5.5</u>	<u>MIX 125 SK AA-2 cont @ 15 1/2 GAL</u>
<u>0147</u>					<u>shut down & wash pump & line</u>
					<u>Release plug</u>
<u>0150</u>	<u>150</u>			<u>6</u>	<u>Start Disp</u>
	<u>300</u>				<u>lift PS</u>
	<u>500</u>				<u>slow rate</u>
<u>0210</u>	<u>1800</u>		<u>94</u>	<u>4</u>	<u>Plug down</u>
<u>0217</u>			<u>9</u>	<u>3</u>	<u>Plug RH a MH w/25 sk</u>
<u>0230</u>					<u>job complete</u>
					<u>Thank you</u>

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