

ORIGINAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
October 2008
Form Must Be Typed

3/10/10

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5056

Name: F.G. Holl Company, L.L.C.

Address 1: 9431 E. Central, Suite 100

Address 2: _____

City: Wichita State: KS Zip: 67206 + _____

Contact Person: Franklin R. Greenbaum

Phone: (316) 684-8481, Ext. 206

CONTRACTOR: License # 5929

Name: Duke Drilling Company Inc.

Wellsite Geologist: Rene Husted

Purchaser: NCRA

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.)

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.: _____

02/09/2010 02/19/2010 03/02/2010

Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 009-25,387-0000

Spot Description: 220' W. & 80' S. OF

____ NW SE Sec. 28 Twp. 20 S. R. 14 East West

1900 Feet from North / South Line of Section

2200 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Barton

Lease Name: MAUCH Well #: 1-28

Field Name: Jettie West

Producing Formation: Arbuckle

Elevation: Ground: 1901' Kelly Bushing: 1909'

Total Depth: 3750' Plug Back Total Depth: None

Amount of Surface Pipe Set and Cemented at: 863 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 AKINJ 3-23-10
(Data must be collected from the Reserve Pit)

Chloride content: 17,000 ppm Fluid volume: <100 bbls

Dewatering method used: Hauled off free fluids

Location of fluid disposal if hauled offsite:

Operator Name: Pauls Oilfield Service, INC.

Lease Name: Dipman SWD License No.: 31085

Quarter SW Sec. 34 Twp. 21 S. R. 16 East West

County: Pawnee Docket No.: D-03589

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 Moanje

Title: Petroleum Geologist Date: 03/17/2010

Subscribed and sworn to before me this 17th day of March 2010

20 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 **RECEIVED**
KANSAS CORPORATION COMMISSION
- Geologist Report Received
- UIC Distribution

MAR 17 2010

CONSERVATION DIVISION
WICHITA, KS

Operator Name: F.G. Holl Company, L.L.C. Lease Name: MAUCH Well #: 1-28
 Sec. 28 Twp. 20 S. R. 14 East West County: Barton

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: DIL/Microresistivity C/MLNL/CDL BHCS/CPI/Sector Bond/GR/CCL	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Herrington</td> <td>1767</td> <td>+142</td> </tr> <tr> <td>Red Eagle</td> <td>2332</td> <td>-423</td> </tr> <tr> <td>Topeka</td> <td>2906</td> <td>-997</td> </tr> <tr> <td>Heebner</td> <td>3174</td> <td>-1265</td> </tr> <tr> <td>Brown Lime</td> <td>3276</td> <td>-1367</td> </tr> <tr> <td>Lansing-Kansas City</td> <td>3284</td> <td>-1375</td> </tr> <tr> <td>Arbuckle</td> <td>3559</td> <td>-1650</td> </tr> </table>	Name	Top	Datum	Herrington	1767	+142	Red Eagle	2332	-423	Topeka	2906	-997	Heebner	3174	-1265	Brown Lime	3276	-1367	Lansing-Kansas City	3284	-1375	Arbuckle	3559	-1650
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Arbuckle	3559	-1650																							

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#	863'	A-Con	175sx	2% gel, 3%cc
					Common	150sx	
Production	7-7/8"	5-1/2"	15.5#	3749'	60/40Poz & AA-2	50 & 150sx	2% gel, 3%cc

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 <i>(Amount and Kind of Material Used)</i>	Depth
4 SPF	3558' - 3562' Arbuckle	Spotted 500 gal 10% acetic acid	

TUBING RECORD: Size: <u>2-7/8"</u> Set At: <u>3713'</u> Packer At: <u>None</u>		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or Enhr. <u>03/02/2010</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. <u>100</u>	Gas Mcf	Water Bbls. <u>13</u> 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: <u>3558' - 3562'</u>
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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** * @ **863** ft.
 Well **Mauch #1-28** Location _____ GPM **7.75** BPM _____ * @ _____ ft.
 Contractor **Duke #8** Sec **28** TWP **20S** RNG **14W** D.P. **4.5** in. **191** FT/MIN R.A. _____ * @ _____ ft.
 Stockpoint **Pratt, Ks.** Date **2/9/2010** Engineer **Rick Hughes** Collar **6.25** in. **495** ft. **348** FT/MIN R.A. _____ * @ _____ ft.
 Total Depth **3750** ft.

DATE	DEPTH	WEIGHT	VISCOSITY			GELS	pH	FILTRATION/IRTRATION ANALYSIS					SAND	RETORET			L.C.M.	Pump	CUMULATIVE	REMARKS AND TREATMENT
			Sec API	PV	Yp			10 sec / 10 min.	Strip Meter	ml API	Cake 32nds	Pres. #/BBL		Cl ppm	Ca ppm	%				
2/8	0																			
2/9	158	9.4	47													2			RURT	
2/11	1735	8.8	64	17	27	24/47	7.0	7.6	1		8,000	N/C	3.2		96.8				Drilling Starch displacment at 1675	
2/12	2390	9.4	37	5	19	17/23	7.0	18.6	3		20M	Hvy	6.2		93.8				Drilling	
2/13	3028	8.8	56	18	13	25/53	11.0	7.6	1		4,900	20	3.3		96.7				Drilling Displace at 2487	
2/14	3324	9.4	64	22	25	23/68	10.0	8.0	1		6,200	20	7.4		92.6				Drilling	
2/15	3365	9.0	57	19	15	15/48	11.5	7.6	1		4,900	20	4.7		95.3				DST #1 DST #2 @ 3365	
2/16	3438	9.4	50	14	14	23/49	9.0	8.8	1		7,900	70	7.4		92.6				CCH DST #3 @ 3420	
2/17	3515	8.8	62	11	23	45/73	10.0	8.4	1		7,800	60	3.2		96.8				TO w/DST #4 DST #5 @ 3495	
2/18	3565	9.1	75	15	30	54/87	11.0	10.0	1		9,000	40	5.2	1.0	93.8				CFS DST #6 @ 3540	
2/19	3750	8.3	50	13	12	17/38	11.0	8.0	1		8,900	40	3.5	2.0	94.5	1/2			TI w/Bit DST #7 @ 3565	
2/20	3750																		17-34 CCH f/Log Unable to reverse oil	
																			18 Final: after DST #7. Added	
																			2nd LTD - 3753'. 2 1/2 premixes to improve	
																			8 DST's. pump pressure	
																			Run Pipe. DST #8 @ 3574	
																			Log stopped @ 3342	
																			Added 1 premix & spotted	
																			another, 2nd LTD 3753	
																			Reserve Pit, Chl content ppm: 17,000	
																			Estimated Volume: <100 bbls	
																			free fluids	

RECEIVED
KANSAS CORPORATION COMMISSION

MAR 17 2010

CONSERVATION DIVISION
WICHITA

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	60		SUPER LIG	16	448.00	
CAUSTIC SODA	22					
DESCO	3					
DRILL PAK	9					
LIME	5					
MIL-GUARD	2					
PREMIUM GEL	435					
SALT CLAY	45					
SODA ASH	32					
STARCH	68					
						Total Mud Cost
						Trucking Cost
						Trucking Surcharge
						Taxes
						TOTAL COST

Customer E.G. Holl Co LLC	Lease No. r	Date 2-10-10
Lease mauch	Well # 1-28	
Field Order # 17181161A	Station Pratt KS	Casing " 8-5/8
Type Job 8-5/8 Surface	Formation CNW	Depth 865
		County Barton
		State KANS
		Legal Description 28-20-14

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
8-5/8			175 SKS	A-con @ 12 #			
Depth 865	Depth	From	To	Pre Pad	Max		5 Min.
			150 SKS	ES Com. 29.9 gal	39.0 CC	1/4 # cell Flake @ 15 #	
Volume 54 BBL	Volume	From	To	Pad	Min		10 Min.
Max Press	Max Press	From	To	Frac	Avg		15 Min.
Well Connection P.C.	Annulus Vol.	From	To	Flush	HHP Used		Annulus Pressure
Plug Depth 245	Packer Depth	From	To	Diap. Fresh water	Gas Volume		Total Load

Customer Representative	Station Manager scotty	Treater Allen F. Worth
Service Units 28443 27463 19826 19860		
Driver Names A. Worth Lesly Mike McGraw		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2:00 AM					on loc. Discuss Safety, Setup, Plan Job
2:30 AM					Rig Running Drill Pipe Back in Hole
3:30 AM					Back on Bottom CIA w/ Rig
4:15 AM					Start out of Hole w/ Bit
4:45 AM					out of Hole w/ Bit
5:15 AM					Rig up to Run 8-5/8 casing 23 #
5:45 AM					Start casing in 12 1/4 hole
6:30	200 #		80	5	CASING @ 865' Hookup & CIA. w/ Rig.
			36	5	Start mix 175 SKS ACON @ 12 # / gal
					Start mix 150 SKS Com. w/ 29.9 gal
					39.0 CC, 1/4 # cell Flake @ 15 # / gal
07:00				4 1/2	Finish mix - Release Top Rubber
07:20	300 #		54		Plug. 8-5/8 - Start Disa cap 54 #
	0 #				Plug down - shut in well
					Release PST
					washup & Back up Equip
					Job complete.
					Cement CIA To P.I.
					THANKS Allen Kouran
					M. Ke McGraw

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KANSAS CORPORATION COMMISSION
MAR 17 2010
CONSERVATION DIVISION
WICHITA, KS

Customer FG Hull Co. LLC	Lease No.	Date 10-20-10
Lease Mauch	Well # 1-28	
Field Order # 17181167A	Station Pratt Ks	Casing 5 1/2"
Type Job 5 1/2" L.S.	Formation TP 3753'	Depth 3751'
		County Barton
		State KANS.
		Legal Description 28-20-14

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size 5 1/2"	Tubing Size 8 1/2"	Shots/Ft 12 BBS	Acid mucl Flush	Pre Pad 60/40 Poz	Max SCAVENGER @ 12 #/gal	RATE	ISIP
Depth 3751'	Depth	From	To	Pad AA2 @ 15 #/gal	Avg Plus RH + MH		5 Min.
Volume 89 BBS	Volume	From	To	Frac 60/40 Poz	HHP Used		10 Min.
Max Press 1500 #	Max Press	From	To	Flush Freshwater	Gas Volume		15 Min.
Well Connection P.C.	Annulus Vol.	From	To				Annulus Pressure
Plug Depth 3737'	Packer Depth	From	To				Total Load

Customer Representative Bob Long	Station Manager Scotty	Treater Allen F. Wirth
Service Units 28443 19959 20920 19831 19862		
Driver Names Wirth Joe Nelson Chris Veach		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
11:5 am					Duke # 8
9:30					on hoc. Discuss Safety, Setup, Plan Job Rig Laying Down Drill Pipe out of Hole w/ Drill Pipe Rig up to Run 5 1/2" casing. 15.5 # Shoe Joint 14.05 w/ Float Shoe + Latch Down Baffle. Cent # 3-4-5-6-7-8-9-10-11-12-Basket scratches 3540 - down to 3660 + 3270 - 3490 Start casing TAG Bottom @ 3753 Hookup + CIR + Rotate Pipe - Good CIR Pump 12 BBS ^{Super} Flush Pump 5 BBL 11" spacer mix + Pump 50s 60/40 Poz scavenger @ 12 # mix + Pump 150s AA2 cent @ 15 # Finish mix. Wash out Pump + Line Drop: Rubber Plug. 5 1/2" Latch down Start Disp. cap. 89 BBS. Lift PST w/ 63 BBS out Plug down - Release PST - OK. Thanks Allen Joe Chris. Plus RH + MH w/ 50s 60/40 Poz.
5:10					
7:00					
9:00	200 #		12	5	
			5	5	
			12	5	
			5	5	
			38	5	
9:23				6	
	400 #				
9:40	1500 #		89		