

ORIGINAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
**WELL COMPLETION FORM**  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1  
September 1999  
Form Must Be Typed

Operator: License # 7383  
Name: Grady Bolding Corporation  
Address: PO Box 486  
City/State/Zip: Ellinwood, Kansas 67526  
Purchaser: Lumen  
Operator Contact Person: Grady Bolding  
Phone: (620) 564-2240  
Contractor: Name: D.S. & W. Well Servicing, Inc.  
License: 6901  
Wellsite Geologist: Rickey Popp

Designate Type of Completion:

☐ New Well ☐ Re-Entry ☒ Workover  
☐ Oil ☐ SWD ☐ SIOW ☐ Temp. Abd.  
☐ Gas ☐ ENHR ☐ SIGW  
☐ Dry ☐ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:

Operator: Grady Bolding Corporation  
Well Name: Rogers #1

Original Comp. Date: 1/7/04 Original Total Depth: 3547  
☐ 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. \_\_\_\_\_

12/31/03	1/7/04	1/16/04 to 1/27/04
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 009-24778-0001  
County: Barton  
SE SW NE Sec. 20 Twp. 19s S. R. 14 ☐ East ☒ West  
3220 feet from (S) / N (circle one) Line of Section  
1650 feet from (E) / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE (SE) NW SW  
Lease Name: Rogers Well #: 1

Field Name: Heizer SW  
Producing Formation: Arbuckle

Elevation: Ground: 1888 Kelly Bushing: 1893

Total Depth: 3547 Plug Back Total Depth: N/A

Amount of Surface Pipe Set and Cemented at 808 Feet

Multiple Stage Cementing Collar Used? ☒ Yes ☐ No

If yes, show depth set 1887 Feet

If Alternate II completion, cement circulated from 1887  
feet depth to surface w/ 150 sx cmt.

ARTI WHM 12-22-06  
Drilling Fluid Management Plan  
(Data must be collected from the Reserve Pit)

Chloride content 54000 ppm Fluid volume 1000 bbls

Dewatering method used allow to dry and backfill

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: Grady Bolding

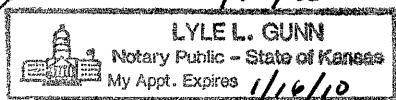
Title: President Date: 12/11/2006

Subscribed and sworn to before me this 12th day of December

20 06

Notary Public: [Signature]

Date Commission Expires: 1/16/10



KCC Office Use ONLY

N Letter of Confidentiality Received  
If Denied, Yes ☐ Date: \_\_\_\_\_  
☐ Wireline Log Received  
☐ Geologist Report Received  
☐ UIC Distribution

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Operator Name: **Grady Bolding Corporation** Lease Name: **Rogers** Well #: **1**  
 Sec. **20** Twp. **19s** 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 ☒ 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:

**Dual Comp. Porosity, Dual Induction, Micra & Bond**

☐ Log Formation (Top), Depth and Datum ☐ Sample  
 Name Top Datum

see attached

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#	808	common/pozmis	240	75 gel
						160 Poz.	125 sacks
production	7 7/8	5 1/2"	14#	3542	ASC	150	750# Kol Seal

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	1887	ASC	150	750# Ko Seal

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
	SEE COMPLETION REPORTS		
	cleaned up hole and drilled to T.D. of 3549'	500 Gals. 7 1/2% HCL	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 3/8th	3538'	None	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.		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
		non-commercial			

Disposition of Gas

METHOD OF COMPLETION

Production Interval

☐ Vented ☒ Sold ☐ Used on Lease  
 (If vented, Submit ACO-18.)

☒ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled  
☐ Other (Specify) \_\_\_\_\_

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## GRADY BOLDING CORPORATION

Rogers #1

250' N SE SW NE Sec 20-19S-14W

Barton Co., Kansas

1888' GL

1893' KB

Report: Complete in Arb

- 01-16-04 MIRU DS&W Well Svc DD, pump & swivel. MI Beaver Lse Svc swab tank & level location. Pauls Oilfield Svc put 160 bbl SW in swab tank. SDFN & Weekend
- 01-19-04 Wildcat Pump MI 2-3/8" 8rd used tbg & tbg head. Kansas Fishing Tool MI 4 - 3 1/2" drill collars. TIH w/ Varel 4-7/8" tooth bit, 4 - 3 1/2" drill collars & 2-3/8" tbg. Drilled sluff cement from 1868' to 1888', then the D-V tool @ 1888'. Had to ream D-V tool to gauge. Pressure tested csg & D-V tool to 400#, held. TIH w/ bit to 3511' & started drilling on latch down plug & pump pressure went up to 900#. Reversed circulation to long way to unplug bit. Reversed circulation back to short way, circulated hole clean, pulled bit up 1 jt to 3484' & SDFN
- 01-20-04 Drilled latch down plug, 28.79' of cement in shoe jt & some metal of paker shoe. Circulate hole clean & TOH w/ tbg, drill collars & bit. RU Log Tech. Ran CBL from TD @ 3538' to 2600', TOC & 1950' to 1550'. Csg swab csg to 1700', SDFN
- 01-21-04 FL @ 700', start swabbing. W/ FL @ 2300', had show of oil(must have cracked pkr shoe). Made pull from 2500', let set 30 min, had 100' FU to 2400' & 12% oil. TIH w/ Kansas Fishing Tool bulldog bailer. Drilled out pkr shoe & cleaned up open hole to 3549'. Pulled bit up to 3505' & started swabbing. FL @ 2575'. Swabbed steady for 2 hrs pulling swab from 3300', 2.90 bbl 1<sup>st</sup> hr & 2.32 bbl 2<sup>nd</sup> hr, 5.20 bbl total w/ 115' pull on last pull & getting muddy oil. FL @ 3185'. SDFN
- 01-22-04 FL @ 2985', 200' FU w/ 110' oil (55%). TOH w/ tbg, bulldog bailer, drill collars & tbg. TIH w/ tbg to swab test as follows. 1<sup>st</sup> pull FL @ 3120', 400' FIH, 300' oil & 100' water. Swabbed steady for 2 hr, swabbing 9.50 bbl, w/ muddy oil & FL @ 3420', 100' FIH. RU Oilmans Acid. Acidize w/ 500 gal 7 1/2% MCA. Let set for 1 1/2 hr checking FL every 15 min to see if acid went out into formation. FL dropped 50' in that time. Worked tbg up & down to get acid down to OH. SDFN & Let acid soak over night. Tbg was landed as follows:

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Rogers #1

2-3/8" 8rd EUE TP MA	1jt	15.00'	set @ 3538.91'
2-3/8" 8rd SN	1jt	1.10'	3523.91'
2-3/8" 8rd EUE tbg	111jts	3520.81'	3522.81'
Below Zero		2.00'	

Landed tbg 12' off bottom.

01-23-04 FL @ 2300', 100' lower than were we left it. 2<sup>nd</sup> pull had live acid. Dump water from swab tank & load hole to surface. Displace fluid about 1 bbl water from swab tank. RU Pauls Oilfield. Pressured up to max 1000# @ 100# increases, displacing another 4 1/2 bbl. Release pressure & start swabbing. Swabbed steady for 1 1/2 hrs swabbing 48 bbl. FL @ 2700'. SDFN & Weekend.

01-26-04 FL @ 1800', 900' FU w/ no oil. Swabbed steady & w/ FL @ 2300', oil % was getting better. FL @ 2900', 21% oil. FL @ 3200', 8% oil. FL @ 3300', 14%. Swabbed back 71.20 bbl of a total 81 bbl load w/ FL @ 3350'. SD for noon, FL @ 3300' 50' FU w/ 25% oil. Swabbed steady, FL @ 3375' w/ 17% oil, FL @ 3450' w/ 17% oil, FL @ 3500' w/ 20% oil. 50' FIH. Let set 45 min, FL @ 3400', 100' FU w/ 100% oil. Let set 30 min, FL @ 3365', 185' FU w/ 100% oil. Let set 30 min, FL @ 3365', 185' FU w/ 100% oil. Let set 30 min, FL @ 3350', 200' FU w/ 100% oil. Swabbed 77 bbl of 81 bbl load. SDFN

01-27-04 FL @ 3300', 250' FIH w/ 100% oil. TIH w/ pump & rods as follows:

2"x 1 1/2"x 12' RWT w/ 6' gas anchor  
 3/4"x 2' pony rod  
 139 - 3/4"x 25' Axelson 67 sucker rods  
 3/4"x 2', 6', 8' pony rods  
 1 1/4"x 16' PR w/ 8' PRL

Longstroke well w/ good pump action. Space out pump 6" off bottom & clamp off. RDMO DD

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