

**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

**ORIGINAL**

Operator: License # 7383  
 Name: Grady Bolding Corporation  
 Address: P.O. Box 486  
 City/State/Zip: Ellinwood, Kansas 67526  
 Purchaser: \_\_\_\_\_  
 Operator Contact Person: Grady Bolding  
 Phone: ( 620 ) 564-2240  
 Contractor: Name: Petromark Drilling, LLC  
 License: 33323  
 Wellsite Geologist: Jim Musgrove

API No. 15 - 165-21787-00-00  
 County: Rush  
 \_\_\_\_\_ N/2 \_\_\_\_\_ NE \_\_\_\_\_ NW Sec. 9 Twp. 19 S. R. 20  East  West  
430 feet from S / (N) (circle one) Line of Section  
2080 feet from E / (W) (circle one) Line of Section

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE SE (NW) SW  
 Lease Name: Frick Well #: 1  
 Field Name: McNamee

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. \_\_\_\_\_

Producing Formation: Cherokee Sand  
 Elevation: Ground: 2195 Kelly Bushing: 2200  
 Total Depth: 4228 Plug Back Total Depth: \_\_\_\_\_  
 Amount of Surface Pipe Set and Cemented at 410 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/ \_\_\_\_\_  
PP-Dlg - 4/17/09 <sup>5x cmt.</sup>

08/13/05 08/22/05 8-22-05  
 Spud Date or Date Reached TD Completion Date or  
 Recompletion Date Recompletion Date

**Drilling Fluid Management Plan**  
 (Data must be collected from the Reserve Pit)  
 Chloride content 72000 ppm Fluid volume 1000 bbls  
 Dewatering method used evaporation, backfill  
 Location of fluid disposal if hauled offsite: \_\_\_\_\_  
 Operator Name: \_\_\_\_\_ **RECEIVED**  
 Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_ **APR 17 2009**  
 Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. **KCC WICHITA**  
 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: \_\_\_\_\_  
 Title: Secretary/Treas. Date: 04/15/09  
 Subscribed and sworn to before me this 15<sup>th</sup> day of April 2009  
 20 09.  
 Notary Public: K. Grace Gunn  
 Date Commission Expires: Aug. 6, 2011

**KCC Office Use ONLY**

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

**NOTARY PUBLIC - State of Kansas  
K. GRACE GUNN  
My Appt. Exp. 08/06/11**

Operator Name: Grady Bolding Corporation Lease Name: Frick Well #: 1  
 Sec. 9 Twp. 19 S. R. 20  East  West County: Rush

**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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum  see attached
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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	410	com	250	3% cc, 2% gel

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	4228	60/40 com/poz mix	190	6% gel, 1/4# flo seal per sx

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

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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.			Producing Method <input type="checkbox"/> Flowing <input 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 \_\_\_\_\_

**JAMES C. MUSGROVE**

Petroleum Geologist  
P.O. Box 1162  
Great Bend, KS 67530

Office (620) 792-7716

Res. Claflin (620) 587-3444

Grady Bolding Corporation  
Frick #1  
100' South & 100' East N/2-NE-NW; Section 9-19s-20w  
Rush County, Kansas  
Page No. 1

**Dry and Abandoned**

**Contractor:** Petromark Drilling Company (Rig #1)  
**Commenced:** August 12, 2005  
**Completed:** August 22, 2005  
**Elevation:** 2200' K.B.; 2198' D.F.; 2195' G.L.  
**Casing Program:** Surface; 8 5/8" @ 410'  
Production; none.  
**Samples:** Samples saved and examined 3600' to the Rotary Total Depth.  
**Drilling Time:** One (1) foot drilling time recorded and kept 3500' to the Rotary Total Depth.  
**Measurements:** All depths measured from the Kelly Bushing.  
**Formation Testing:** There were two (2) Drill Stem Tests ran by Trilobite Testing Co.  
**Electric Log:** None.  
**Gas Detector:** None.

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<u>Formation</u>	<u>Sample Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	1430	+770
Heebner	3694	-1494
Toronto	3711	-1511
Lansing	3736	-1536
Base Kansas City	4060	-1860
Pawnee	4111	-1911
Cherokee Shale	4194	-1994
Cherokee Sand	4214	-2014
Rotary Total Depth	4228	-2028

—(All tops and zone determinations made from a correlation of Drilling Time Log and Sample Analysis).

**SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.**

**TOPEKA SECTION**

3640-3680' Limestone; tan, buff, granular, slightly fossiliferous, fair to good porosity, trace gray fossiliferous chert.

**TORONTO SECTION**

3711-3720' Limestone; cream, white, slightly fossiliferous, chalky, scattered intercrystalline type porosity, no shows.

### LANSING SECTION

- 3736-3742' Limestone; tan, gray, white, fossiliferous, chalky in part, poor visible porosity.
- 3764-3772' Limestone; buff, beige, fossiliferous, sub oomoldic, scattered sub oomoldic and fossil cast porosity, trace gray chert.
- 3786-3804' Limestone; gray, tan, oolitic, oomoldic, fair to good oomoldic porosity, (barren).
- 3812-3818' Limestone; white, beige, highly oolitic, chalky in part, no shows.
- 3830-3841' Limestone; white, oolitic, chalky, plus gray and white chert.
- 3846-3854' Limestone; white, cream, granular, few fossiliferous, chalky.
- 3861-3873' Limestone; white, gray, finely oolitic, chalky in part, no shows.
- 3896-3904' Limestone; beige, buff, fossiliferous, chalky, increasingly cherty (dense).
- 3918-3928' Limestone; tan, beige, fossiliferous, fair fossil cast to vuggy type porosity, trace tan, oomoldic limestone, fair to good oomoldic porosity, no shows.
- 3944-3959' Limestone; tan, finely oomoldic, fair to good oomoldic porosity, plus gray and white chert.
- 3984-4007' Limestone; gray, tan, oolitic/oomoldic, good oomoldic and vuggy type porosity, no shows.
- 4025-4036' Limestone; white, gray, finely crystalline, fossiliferous, cherty, trace gray/white fossiliferous chert.

### MARMATON SECTION

- 4078-4090' Limestone; tan, gray, fossiliferous, plus tan and yellow chert.

### PAWNEE SECTION

- 4111-4140' Limestone; tan, gray, finely fossiliferous, chalky increasingly cherty (dense), trace iron pyrite.
- 4180-4194' Limestone; white, gray, chalky, trace pink/salmon colored chert.

### CHEROKEE SECTION

- 4214-4218' Sand; gray, white, medium grained, sub rounded, friable in part, fair to good sorting, spotty stain, show of free oil and no odor in fresh samples.

#### Drill Stem Test #1

4187-4218'

Times: 45-45-60-60  
Blow: Weak  
Recovery: 50' watery mud, few oil specked  
Pressures: ISIP 396 psi  
FSIP 389 psi  
IFP 17-27 psi  
FFP 28-38 psi  
HSH 2164-2093 psi

4223-4228' Sand; white, clear, sub rounded, friable, fair intergranular porosity, questionable stain, no show of free oil or odor, trace loose large sub rounded quartz grains.

Drill Stem Test #2 4187-4228'

Times: 45-45-60-60

Blow: Weak

Recovery: 45' mud  
62' thin watery mud

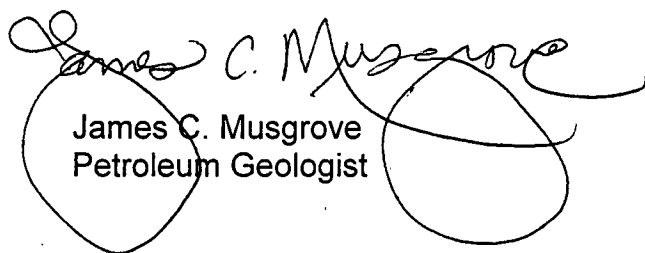
Pressures: ISIP 383 psi  
FSIP 379 psi  
IFP 24-45 psi  
FFP 52-68 psi  
HSH 2175-2100 psi

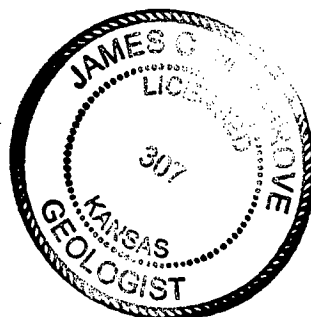
Rotary Total Depth 4228 (-2028)

**Recommendations:**

On the basis of the low structural position and the negative Drill Stem Tests, it was recommended by all parties involved that the Frick #1 be plugged and abandoned at the Rotary Total Depth 4228 (-2028).

Respectfully submitted;

  
James C. Musgrove  
Petroleum Geologist



# ALLIED CEMENTING CO., INC. 17248

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT: Wenatchee

DATE: <u>8-13-05</u>	SEC. <u>9</u>	TWP. <u>19</u>	RANGE <u>20</u>	CALLED OUT <u>8:00AM</u>	ON LOCATION <u>10:45AM</u>	JOB START <u>1:15pm</u>	JOB FINISH <u>1:45pm</u>
LEASE <u>Trick</u>			WELL # <u>1</u>	LOCATION <u>Alexander 35 1/2E 5.S.</u>		COUNTY <u>Rush</u>	STATE <u>KS</u>
OLD OR <u>(NEW)</u> (Circle one)							

CONTRACTOR Petromark Drilling #1

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 410

CASING SIZE 8 5/8 DEPTH 408

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 15

PERFS. \_\_\_\_\_

DISPLACEMENT 25 3/4

OWNER \_\_\_\_\_

CEMENT AMOUNT ORDERED 250s Com 3% cc 2% Dal.

**EQUIPMENT**

PUMP TRUCK CEMENTER MIKE

# 224 HELPER J. Weighous

BULK TRUCK DRIVER Terry

# 341 DRIVER \_\_\_\_\_

COMMON	<u>250</u>	@	<u>8.70</u>	<u>2175.00</u>
POZMIX		@		
GEL	<u>5</u>	@	<u>14.00</u>	<u>70.00</u>
CHLORIDE	<u>8</u>	@	<u>38.00</u>	<u>304.00</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>263</u>	@	<u>1.60</u>	<u>420.80</u>
MILEAGE	<u>23.6</u>			<u>263</u>
				<u>362.94</u>
				<u>3332.94</u>
			<b>TOTAL</b>	

REMARKS:

used  
Aband. #23

circ 8 5/8 w/ pump mix  
cent disp plug w/ 25 3/4 BBL  
cent disp

Thanks

**SERVICE**

DEPTH OF JOB	<u>408</u>		
PUMP TRUCK CHARGE			<u>670.00</u>
EXTRA FOOTAGE	<u>108</u>	@	<u>.55</u> <u>59.40</u>
MILEAGE	<u>23</u>	@	<u>5.00</u> <u>115.00</u>
		@	
		@	
		@	

CHARGE TO: Grady Bolding Corp.

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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TOTAL 844.40

**KCC WICHITA OAT EQUIPMENT**

MANIFOLD		@		
<u>8 5/8 2cup wood</u>		@		<u>55.00</u>
		@		
		@		
		@		
		@		
			<b>TOTAL</b>	<u>55.00</u>

To Allied Cementing Co., Inc.

You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX \_\_\_\_\_

TOTAL CHARGE \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

SIGNATURE Kenneth G. Boach

KENNETH G. BOACH  
PRINTED NAME

# ALLIED CEMENTING CO., INC.

17967

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

*Great Bend*

DATE <b>8-22-05</b>	SEC. <b>9</b>	TWP. <b>19</b>	RANGE <b>20</b>	CALLED OUT <b>2:00 PM</b>	ON LOCATION <b>4:45 PM</b>	JOB START <b>6:15 PM</b>	JOB FINISH <b>8:15 PM</b>
LEASE <b>Frick</b>	WELL # <b>1</b>	LOCATION <b>Alexander 3 1/4 south</b>			COUNTY <b>Rush</b>	STATE <b>Ka</b>	
<input checked="" type="radio"/> OLD <input type="radio"/> NEW (Circle one)			<b>1/2 east, south into.</b>				

CONTRACTOR **Petromark**

TYPE OF JOB **Rotary Plug**

HOLE SIZE **7 7/8** T.D. **4228'**

CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE **4 1/2 x H** DEPTH **1450'**

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. \_\_\_\_\_

PERFS. \_\_\_\_\_

DISPLACEMENT \_\_\_\_\_

OWNER **Grady Bolding**

CEMENT

AMOUNT ORDERED **190 cu 60/40 6% gel**

**1/4" flo seal per cu**

COMMON	<b>114</b>	@	<b>8.70</b>	<b>991.80</b>
POZMIX	<b>76</b>	@	<b>4.70</b>	<b>357.20</b>
GEL	<b>11</b>	@	<b>14.00</b>	<b>154.00</b>
CHLORIDE		@		
ASC		@		
<b>Flo seal</b>	<b>48*</b>	@	<b>1.70</b>	<b>81.60</b>
		@		
		@		
		@		
		@		
		@		
HANDLING	<b>202</b>	@	<b>1.60</b>	<b>323.20</b>
MILEAGE	<b>23 x 202 x .016</b>			<b>278.26</b>
TOTAL				<b>2186.56</b>

**EQUIPMENT**

**HB**

PUMP TRUCK CEMENTER **J.P.**

# **120** HELPER **Burr**

BULK TRUCK

# **341** DRIVER **Steve T.**

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

**REMARKS:**

**1st** 50 cu - 1450'

**2nd** 50 cu - 730'

**3rd** 50 cu - 430'

**4th** 20 cu - 80'

**SERVICE**

DEPTH OF JOB	<b>1450'</b>		
PUMP TRUCK CHARGE			<b>665.00</b>
EXTRA FOOTAGE		@	
MILEAGE	<b>23</b>	@	<b>5.00</b>
		@	
		@	
		@	
TOTAL <b>780.00</b>			

CHARGE TO **Grady Bolding Corp.**

STREET **P.O. Box 486**

CITY **Ellinwood** STATE **Kansas** ZIP **67526**

**PLUG & FLOAT EQUIPMENT**

MANIFOLD		@	
<b>1. 8 7/8 Dry hole</b>		@	<b>35.00</b>
		@	
		@	
		@	
TOTAL <b>35.00</b>			

**RECEIVED**

**APR 17 2009**

**KCC WICHITA**

TAX \_\_\_\_\_

TOTAL CHARGE \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

To Allied Cementing Co., Inc.

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SIGNATURE **Kenneth G. Roach**

**Kenneth G. Roach**  
PRINTED NAME

*Thank you!*