

ORIGINAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
June 2009

Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 32504  
Name: Blackhawk Production Company  
Address 1: 1607 Oakmont  
Address 2: \_\_\_\_\_  
City: Hays State: KS Zip: 67601 + \_\_\_\_\_  
Contact Person: Aaron Werth  
Phone: ( 785 ) 625-2041  
CONTRACTOR: License # 31548  
Name: Discovery Drilling Co., Inc.  
Wellsite Geologist: Alan Downing  
Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well     Re-Entry     Workover  
 Oil     WSW     SWD     SIOW  
 Gas     D&A     ENHR     SIGW  
 OG     GSW     Temp. Abd.  
 CM (Coal Bed Methane)  
 Cathodic     Other (Core, Expl., 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  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_

3/28/2011	4/2/2011	4/3/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 051-26,122-00-00  
Spot Description: 40'N & 30'W of  
S/2 NE NW Sec. 20 Twp. 14 S. R. 18  East  West  
950 Feet from  North /  South Line of Section  
1,950 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Ellis  
Lease Name: Pfannenstiel Well #: 3  
Field Name: Experiment South  
Producing Formation: None  
Elevation: Ground: 2047 Kelly Bushing: 2055  
Total Depth: 3744 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 1294 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/ **RECEIVED** cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 16,000 ppm Fluid volume: 320 bbls  
Dewatering method used: Evaporation  
Location of fluid disposal if hauled offsite:  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Permit #: \_\_\_\_\_

NOV 18 2011  
KCC WICHITA

**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.

AFFIDAVIT

I am the affiant and I hereby certify that 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: Aaron J. Werth  
Title: Owner Date: 8-15-11

KCC Office Use ONLY

- Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: PJA Dlg Date: 11/24/11

Operator Name: Blackhawk Production Company Lease Name: Pfannenstiel Well #: 3

Sec. 20 Twp. 14 S. R. 18  East  West County: Ellis

**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 complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets)  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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If no, Submit Copy)  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
--	---

CASING RECORD <input checked="" 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 Pipe	12 1/4	8 5/8	23	1294	Common	450	2%Gel&3%CC

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose: ___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed 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: <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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
--	---	--

# QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 4945

Date	3-29-11	Sec.	20	Twp.	14	Range	18	County	Ellis	State	KS	On Location		Finish	3:00pm	
Lease	FADNBUSTEL			Well No.	3			Location	Hays 5 M. Pleasant Rd W to 230 Sinto							
Contractor	Discovery #3							Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Type Job	Surface							Hole Size	12 1/4	T.D.	1295					
Csg.	8 5/8							Depth	1295							
Tbg. Size								Charge To	Black Hawk Production							
Tool								Street								
Cement Left in Csg.	40'							Shoe Joint	40'							
Meas-Line								Displace	79 3/4 BBL							
								Cement Amount Ordered	450000 3 1/2 2 1/2 1							

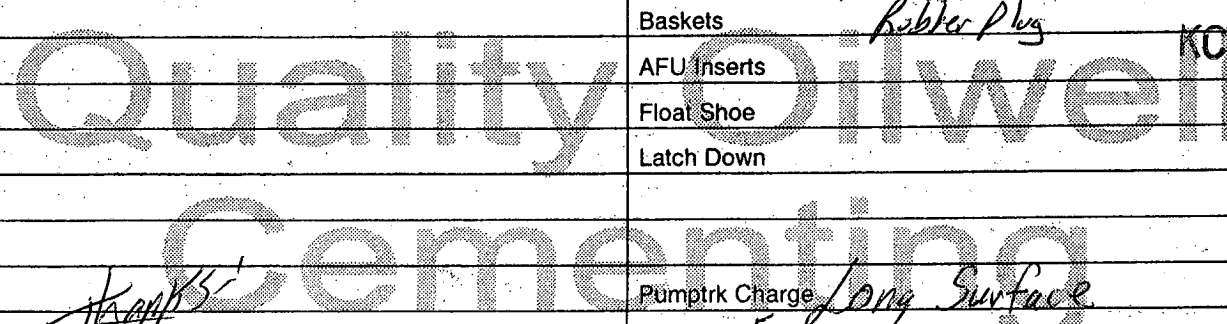
**EQUIPMENT**

Pumptrk	9	No.	Cement	raig	Common	450	
			Helper				
Bulktrk		No.	Driver	Paul	Poz. Mix		
			Driver				
Bulktrk	4	No.	Driver	Randy	Gel.	9	
			Driver				
	<b>JOB SERVICES &amp; REMARKS</b>					Calcium	16

Remarks:	Hulls	
Rat Hole	Salt	
Mouse Hole	Flowseal	
Centralizers	Kol-Seal	
Baskets	Mud CLR 48	
D/V or Port Collar	CFL-117 or CD110 CAF 38	
8 5/8 on Bottom. Est. Circulation.	Sand	
Mix 425K & Displace Plug.	Handling	475
Baffle size 1255.	Mileage	
Cement Circulated!		

**FLOAT EQUIPMENT**

Guide Shoe	Head Man Sold	RECEIVED NOV 18 2011 KCC WICHITA
Centralizer	8 5/8 Baffle Plate	
Baskets	Rubber Plug	
AFU Inserts		
Float Shoe		
Latch Down		



Pumptrk Charge	Long Surface	Tax	
Mileage	5	Discount	
		Total Charge	
Signature: Helen Baehler			

# QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67065

No. 5054

Date <u>4-3-11</u>	Sec. <u>20</u>	Twp. <u>14</u>	Range <u>18</u>	County <u>Ellis</u>	State <u>Kansas</u>	On Location	Finish <u>3:00 PM</u>
Lease <u>Pharmaceutical</u>	Well No. <u>3</u>		Location <u>Traps 2.5 2.5W Sinter</u>				
Contractor <u>Discovery Drilling Rig 3</u>				Owner			
Type Job <u>Plug</u>	Hole Size <u>7 7/8</u>			To: Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Csg.	T.D. <u>3745</u>		Charge To <u>Blackhawk Production Co</u>				
Tbg. Size	Depth		Street				
Tool	Depth		City State				
Cement Left in Csg.	Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.				
Meas Line	Displace		Cement Amount Ordered <u>185 gal/yr 48hr</u>				

### EQUIPMENT

Pumptrk <u>5</u>	No.	Cement Helper <u>Steve</u>		Common
Bulktrk <u>3</u>	No.	Driver <u>Randall</u>		Poz. Mix
Bulktrk	No.	Driver <u>Mike</u>		Gel.

### JOB SERVICES & REMARKS

Remarks:	Calcium
Rat Hole	Hulls
Mouse Hole	Salt
Centralizers	Flowseat
Baskets	Kol-Seal
D/V or Port Collar	Mud CLR 48
<u>1st Plug @ 3650 25sx</u>	CFL 117 or CD110 CAF 38
<u>2nd " " 1204 25sx</u>	Sand
<u>3rd " " 600 80sx</u>	Handling
<u>4th " " 40 10sx</u>	Mileage
<u>Kat Hole 30sx</u>	
<u>Mouse Hole 15sx</u>	

### FLOAT EQUIPMENT

Guide Shoe	RECEIVED NOV 18 2011 KCC WICHITA
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch-Down	
<u>8 3/8 Wood Plug</u>	
Pumptrk Charge	
Mileage	

X Signature [Signature]

Tax	
Discount	
Total Charge	