

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: Marc 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 #: \_\_\_\_\_  
5/13/2011    5/19/2011    5/20/2011  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 051-26,143-00-00  
Spot Description: 40'S & 20'E of  
SW SW Sec. 14 Twp. 13 S. R. 20  East  West  
620 Feet from  North /  South Line of Section  
680 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Ellis  
Lease Name: Calvert Well #: 4  
Field Name: Calvert  
Producing Formation: None  
Elevation: Ground: 2158 Kelly Bushing: 2166  
Total Depth: 3929 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 1505 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

(Data must be collected from the Reserve Pit)

Chloride content: 16,000 ppm Fluid volume: 320 bbls  
Dewatering method used: Haul free Fluids  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: Blackhawk Production Company  
Lease Name: Bruil # 2(SWD) License #: 32504  
Quarter NW/4 Sec. 30 Twp. 14 S. R. 18W  East  West  
County: Ellis Permit #: D-26,232

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 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: PLA Dog Date: 11/22/11

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Operator Name: Blackhawk Production Company Lease Name: Calvert Well #: 4

Sec. 14 Twp. 13 S. R. 20  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 <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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no. Submit Copy)</i>  List All E. Logs Run: <b>MR, Dual Ind, Radiation Guard</b>	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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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	1505	Common	480	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 (Amount and Kind of Material Used)	Depth

TUBING RECORD: Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR: \_\_\_\_\_ Producing Method:  Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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# QUALITY OILWELL CEMENTING, INC.

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

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

No. 4910

Date	5-14-11	Sec.	14	Twp.	13	Range	20	County	Ellis	State	Ks	On Location		Finish	12:00AM				
Lease	Calvest	Well No.	#4	Location Ellis, Ks - 15, 2 1/8 E. 1/4 into															
Contractor	Discovery #3	Owner										To Quality Oilwell Cementing, Inc.							
Type Job	Surface	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.																	
Hole Size	12 1/4"	T.D.	1505'	Charge To												Blackhawk Production			
Csg.	8 5/8" 23#	Depth	1565'	Street															
Tbg. Size		Depth		City												State			
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.															
Cement Left in Csg.	29.86'	Shoe Joint	29.86'	Cement Amount Ordered												480 SY Common 3% U 2% Gel			
Meas Line		Displace	94 BLS																

### EQUIPMENT

Pumptrk	1	No.	Cementer	Cisco	Common	480	
			Helper				
Bulktrk	2	No.	Driver	Doney	Poz. Mix		
			Driver				
Bulktrk	1	No.	Driver	Rick	Gel.	9	
			Driver				
JOB SERVICES & REMARKS							
Remarks:	Cement did Circulate					Calcium	17

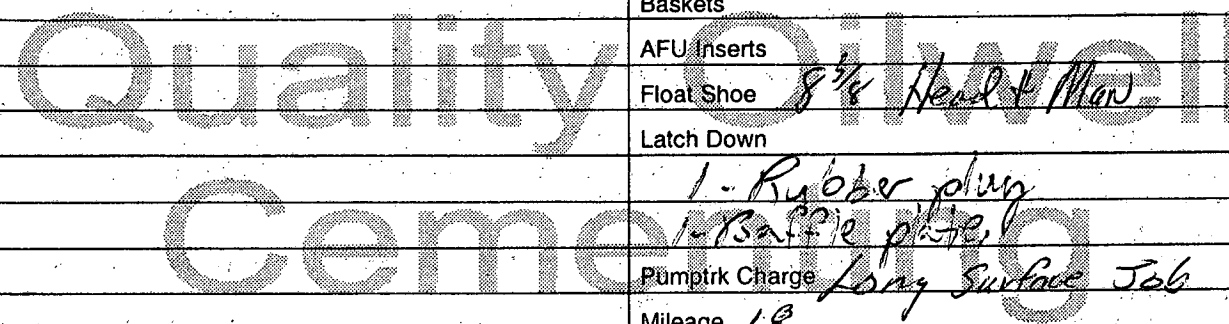
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	

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### FLOAT EQUIPMENT

Sand	
Handling	506
Mileage	
Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	8 3/8 Head & Man
Latch Down	
	1 - Rubber plug
	1 - Baffle plate
Pumptrk Charge	Long Surface Job
Mileage	18

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X Signature *John Gruber*

Tax  
Discount  
Total Charge

# QUALITY OILWELL CEMENTING, INC.

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

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

No. 6918

Date	Sec.	Twp.	Range	County	State	On-Location	Finish
S-20-11	14	13	20	Ellis	Ks		2:00PM
Lease	Well No.		Location				
Calvert	#4		Ellis, Ks - 1S, 2E, N1/4				
Contractor				Owner			
Discovery #3				To Quality Oilwell Cementing, Inc.			
Type Job				You are hereby requested to rent cementing equipment and furnish			
Plug				cementer and helper to assist owner or contractor to do work as listed.			
Hole Size		T.D.		Charge To			
2 7/8" <del>1 1/2"</del>		3929'		Blackhawk Production			
Csg.		Depth		Street			
4 1/2" D.I.		3818'		City			
Tbg. Size		Depth		State			
Tool		Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg.		Displace		Cement Amount Ordered			
		426/mud		205 sy 60/40 4% bcl 1/4" flow seal			

### EQUIPMENT

Pumptrk	No.	Cementer	Helper	Common
1		Cisco		
Bulktrk	No.	Driver	Driver	Poz. Mix.
3		Andy		
Bulktrk	No.	Driver	Driver	Gel.
1		Rick		

### JOB SERVICES & REMARKS

Remarks	Calcium
Cement did Circulate	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD-110 CAF-38
3818' - 255x	Sand
1520' - 255x	Handling
732' - 100.5x	Mileage
40' - 105x - w/D.H. Plug	FLOAT EQUIPMENT
Rathole - 30.5x	Guide Shoe
Mousehole - 15.5x	Centralizer
	Baskets
205 sy 60/40 4% bcl 1/4" flow seal	AFU Inserts
	Float Shoe
	Latch Down
	1 - Dry hole plug
	Pumptrk Charge
	Mileage
	Tax
	Discount
	Total Charge

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X Signature *John Doble*