

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

KCC

RECEIVED ORIGINAL
NOV 10 2010
KCC WICHITA
Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled
11/8/11

OPERATOR: License # 8914
Name: H & C Oil Operating, Inc. NOV 08 2010
Address 1: P.O. Box 86 CONFIDENTIAL
Address 2:
City: Plainville State: KS Zip: 67663 +
Contact Person: Charles R. Ramsay
Phone: (785) 434-7434
CONTRACTOR: License # 33493
Name: American Eagle Drilling LLC
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 #:

10/16/10	10/22/10	10/22/10
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 065-23683-00-00
Spot Description:
SE NE SW Sec. 22 Twp. 7 S. R. 23 East West
1,650 Feet from North / South Line of Section
2310 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Graham
Lease Name: GCL Well #: 22-1
Field Name: Wildcat
Producing Formation: none
Elevation: Ground: 2325 Kelly Bushing: 2330
Total Depth: 3843 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 264 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: ppm Fluid volume: bbls
Dewatering method used:
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. East West
County: Permit #:

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: Charles R Ramsay
Title: President Date: 11/8/10

KCC Office Use ONLY

Letter of Confidentiality Received
Date: 11/8/10 - 11/8/11
 Confidential Release Date:
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: MS Date: 11-16-10
PA

Operator Name: H & C Oil Operating, Inc. Lease Name: GCL Well #: 22-1
 Sec. 22 Twp. 7 S. R. 23 East West County: Graham

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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 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 Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Microresistivity log, dual induction log, dual compensated porosity log, borehole compensated sonic log,	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Datum</th> </tr> </thead> <tbody> <tr> <td>Top Anhydrite</td> <td>2005</td> <td>+326</td> </tr> <tr> <td>Base Anhydrite</td> <td>2037</td> <td>+294</td> </tr> <tr> <td>Topeka</td> <td>3362</td> <td>-1031</td> </tr> <tr> <td>Heebner</td> <td>3566</td> <td>-1235</td> </tr> <tr> <td>Toronto</td> <td>3592</td> <td>-1261</td> </tr> <tr> <td>LKC</td> <td>3604</td> <td>-1273</td> </tr> <tr> <td>BKC</td> <td>3802</td> <td>-1471</td> </tr> </tbody> </table>	Name	Top	Datum	Top Anhydrite	2005	+326	Base Anhydrite	2037	+294	Topeka	3362	-1031	Heebner	3566	-1235	Toronto	3592	-1261	LKC	3604	-1273	BKC	3802	-1471
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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"	24#	264	common	160	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				

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, 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 Bbbs.	Gas Mcf	Water Bbbs. 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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (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

KCC No. 4340

NOV 08 2010

Date	10-22-10	Sec.	22	Twp.	7	Range	23	County	Cherokee	State	KS	On Location	CONFIDENTIAL	Finish	2:30 p.m.
Lease	GCL		Well No.			22-1		Location Hillside Rd. T. 14 N. R. 14 W. S. 23 E.							

Contractor	American Energy Services	Owner	To Quality Oilwell Cementing, Inc.
Type Job	Rat Hole Plug	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	7 7/8	T.D.	3543
Csg.		Depth	
Tbg. Size		Depth	
Tool		Depth	
Cement Left in Csg.		Shoe Joint	
Meas Line		Displace	
		Cement Amount Ordered	205 6/16 4 1/2 6 1 1/2 1 1/2

EQUIPMENT

Pumptrk	5	No.	Cement Helper	Common	123
Bulktrk		No.	Driver	Poz. Mix	82
Bulktrk	4	No.	Driver	Gel.	7

JOB SERVICES & REMARKS

Remarks:	Calcium
Rat Hole	Hulls
Mouse Hole	Salt
Centralizers	Flowseal 50#
Baskets	Kol-Seal
D/V or Port Collar	Mud CLR 48
157 Plug 2083 25SK	CFL-117 or CD110 CAF 38
20 122.5 100SK	Sand
30 31.3 40SK	Handling 212
40 40 102SK	Mileage
	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts 3 3/8 wear on plug
	Float Shoe
	Latch Down

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Thanks!
Bradford Parker
Signature

Pumptrk Charge	plug
Mileage	37
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

KCC

No. 4356

NOV 08 2010

Date	10-16-16	Sec.	22	Twp.	7	Range	23	County	Grant	State	Kansas	Finish	30pm
Lease	G.C.L.	Well No.	22-1		Location Hill City 3N 1W 14 SW Ninto								
Contractor	American Eagle Drilling Rig 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	10 7/8	T.D.	264		Charge To H&C Oil								
Csg.	8 5/8	23lb	Depth 263		Street								
Tbg. Size	Depth		City		State								
Tool	Depth		City		State								
Cement Left in Csg.	10-15'		Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.								
Meas Line	Displace 15 3/4 Bbl		Cement Amount Ordered		160 Com 3 1/2" 28lb								

EQUIPMENT

Pumptrk	5	No.	Cement Helper	Steve	Common	160
Bulktrk	12	No.	Driver	Doug	Poz. Mix	
Bulktrk		No.	Driver		Gel.	3
			Driver		Calcium	3

JOB SERVICES & REMARKS

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
	Sand
	Handling 169
	Mileage

Cement did Circulate

FLOAT EQUIPMENT

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

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SWAGE

Pumptrk Charge	Surface Job	Tax
Mileage	37	Discount
Signature	<i>Bruce ...</i>	Total Charge