

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

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 EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Recompletion Date _____ Date Reached TD _____ Completion Date or Recompletion Date _____

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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 #: _____

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.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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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

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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
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 <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>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Castle Resources, Inc.
Well Name	HARTWICH 1
Doc ID	1746422

All Electric Logs Run

Dual Induction
Dual Comp Porosity
Microresistivity
Borehole Compensated Sonic

FRANKS Oilfield Service

◆ 815 Main Street Victoria, KS 67671 ◆ 24 Hour Phone (785) 639-7269
 ◆ Office Phone (785) 639-3949 ◆ Email: franksoilfield@yahoo.com

TICKET NUMBER 1158
 LOCATION Victoria
 FOREMAN Proctor

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY																
1-6-24		Hartwich #1	12	115	10E	Lebanon																
CUSTOMER <u>Castle Resources, Inc</u>			<table border="1"> <tr> <th>TRUCK #</th> <th>DRIVER</th> <th>TRUCK #</th> <th>DRIVER</th> </tr> <tr> <td># 103</td> <td>Kenner D</td> <td></td> <td></td> </tr> <tr> <td># 201</td> <td>Mason Y</td> <td></td> <td></td> </tr> <tr> <td># 301</td> <td>Ratner D</td> <td></td> <td></td> </tr> </table>				TRUCK #	DRIVER	TRUCK #	DRIVER	# 103	Kenner D			# 201	Mason Y			# 301	Ratner D		
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# 103	Kenner D																					
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# 301	Ratner D																					
MAILING ADDRESS																						
CITY	STATE	ZIP CODE																				

JOB TYPE surface HOLE SIZE 12 1/4" HOLE DEPTH 307' CASING SIZE & WEIGHT 5 3/8" 23"
 CASING DEPTH 307' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Slurry meeting. Ran up on white knicks. Ran casing, 272 200 sacks with 45 sacks of Hulls. Displace w/ 18.5 Blis of H2O. Cement did not circulate let set 5 hrs. Ran 1" down to 200' to cement at 50'. Mix 100 sacks of cement 3% CC w/ 2% gel w/ 1/2" G-bore. Circulate cement to surface

Thank you!
R & C

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
P1007	1	PUMP CHARGE	\$1150 ⁰⁰	\$1150 ⁰⁰
m001	165	MILEAGE	\$6 ⁵⁰	\$1072 ⁵⁰
m003	141.81 tons	Tax mileage Delivery	\$3,465 ⁴⁸	\$3,465 ⁴⁸
C0004	300 sacks	Class A 3% CC + 2% gel	\$25 ⁵⁰	\$7,650 ⁰⁰
CP016	2,250 ⁰⁰	center seal hulls	\$1 ⁰⁰	\$2,250 ⁰⁰
CP006	50 ⁰⁰	Floccul	\$3 ⁰⁰	\$150 ⁰⁰
CP005	200 ⁰⁰	salt	\$0 ⁵⁰	\$100 ⁰⁰
			sub total	\$16,037 ⁹⁸
			less 5% disc.	\$801 ⁸⁹
			sub total	\$15,236 ⁰⁹
			SALES TAX	626.76
			ESTIMATED TOTAL	15862.85

AUTHORIZATION  TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY **CASTLE RESOURCES INC.**
ELEVATIONS

LEASE **HARTWICH #1**
KB 1251.

FIELD **WILDCAT**
DF

LOCATION **2070' FNL 3880' FEL**
GL 1246.

SEC **12** TWP **11S** RGE **10E**
Measurements Are All

COUNTY **WABUNSEE** STATE **KS.**
From

CONTRACTOR **WHITE KNIGHT DRILLING**
SURFACE @ 307

SPUD **1-5-24** COMP **1-28-24**
PRODUCTION

RTD **2845** LTD **2844**
ELECTRICAL SURVEYS

MUD UP **2100'** TYPE MUD **CHEM.**
STACK/MICROSONIC

SAMPLES SAVED FROM **1400'**
TO TD.

DRILLING TIME KEPT FROM **1400'**
TO TD.

SAMPLES EXAMINED FROM **1400'**
TO TD.

GEOLOGICAL SUPERVISION FROM **1400'**
TO TD.

FORMATION TOPS LOG SAMPLES

BKG: 1710-459 1710-459
CHER: 1892-643 1888-637
MISS: 2354-103 2350-1099
HUNTON: 2754-1503 2756-1505
RTD: 2844-1893 2845-1599

REMARKS: This well was 40-50 lower than nearest dry holes with no commercial shows. All parties involved recommended that this well be plugged respectfully submitted

LEGEND: Anhydrite, Salt, Sandstone, Shale, Carb sh, Limestone, Ool/Lime, Chert, Dolomite

