

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

AMENDED

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

**ORIGINAL**

OPERATOR: License # 32798  
Name: Hart Energies LLC  
Address 1: 7122 S. Sheridan Road  
Address 2: Suite 2-363  
City: Tulsa State: OK Zip: 74133 + 2 7 4 8  
Contact Person: William G. Hart, Member **RECEIVED**  
Phone: (918) 633-4161  
CONTRACTOR: License # 33793 **MAY 18 2012**  
Name: H2 Drilling LLC **KCC WICHITA**  
Wellsite Geologist: William G. Hart  
Purchaser: GAS=West Wichita Gas Gathering LLC OIL=Pamom Gathering LLC

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 #: \_\_\_\_\_

3/12/10 3/23/10 4/9/10 (W.O.P.L.)  
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 007-23507-00-00

Spot Description: \_\_\_\_\_  
C SE NE Sec. 28 Twp. 34 S. R. 10 ☐ East ☒ West

3,310 Feet from ☐ North / ☒ South Line of Section  
810 Feet from ☒ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:

☐ NE ☐ NW ☒ SE ☐ SW

County: Barber

Lease Name: Stranathan Well #: 1

Field Name: Wildcat

Producing Formation: Maquoketa

Elevation: Ground: 1,323' Kelly Bushing: 1,332'

Total Depth: 5,194' Plug Back Total Depth: 5,152'

Amount of Surface Pipe Set and Cemented at: 220' 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: Unknown ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: Vacuum clear liquids - Air Dry

Location of fluid disposal if hauled offsite:

Operator Name: N/A

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: William G. Hart

Title: Member Date: May 16, 2012 Amended

**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: Dg Date: 5/22/12

Operator Name: Hart Energies LLC Lease Name: Stranathan Well #: 1  
 Sec. 28 Twp. 34 S. R. 10 ☐ East ☒ West County: Barber

**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 ☒ Yes ☐ No  
 (Attach Additional Sheets)

Samples Sent to Geological Survey ☒ Yes ☐ No

Cores Taken ☐ Yes ☒ No

Electric Log Run ☒ Yes ☐ No

Electric Log Submitted Electronically ☐ Yes ☒ No  
 (If no, Submit Copy)

List All E. Logs Run:

CNL, CDL, MEL, CBL--CCL

Originals filed as attachments to initial ACO-1

☒ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Mississippian	4,690'	-3,358'
Kinderhook	4,922'	-3,590'
Chattanooga	5,006'	-3,674'
Maquoketa	5,035'	-3,703'
Viola	5,098'	-3,766'

### CASING RECORD ☒ New ☐ 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	220'	Class A	105	Common, Pozmix, Gel, Chloride
Production	7 7/8"	5 1/2"	15.5	5,152'	Class A	15	Common, Pozmix, Gel, Chloride
Casing Liner	None	2 7/8"	6.5	5,024'	N/A	N/A	N/A

### 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	None			

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MAY 18 2012

KCC WICHITA

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
6	4,698' - 4,708' & 4,744-50' Mississippian	Behind 2 7/8" Liner	
1	4,920-24' & 4,928-32' {4,960-96' = 6Shts/Ft} Kinderhook	Behind 2 7/8" Liner	
2	5,026-34' Chattanooga	(Tight Formation) 1,000 Gal 15% HCL	5,026-34'
4	5,044-54' Maquoketa	2,500 Gal 15% HCL; 500 Gal NE/FE; 2,000 Gal Gelled Acid	5,044-54'
6	5,038-44' and 5,054-64' Maquoketa	1,000 Gal 15%HCL	5,054-64'
TUBING RECORD: Size: 1 1/2" Set At: 5,042' Packer At: None Liner Run: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First, Resumed Production, SWD or ENHR. 01/12/12		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls. 3	Gas Mcf 2	Water Bbls. 6 Gas-Oil Ratio Gravity 39.4

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
<input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	<u>Maquoketa - 5,038' - 5,064'</u>

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202