

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

KCC WICHITA

APR 14 2014

Form ACO-1
August 2013

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

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

RECEIVED

OPERATOR: License # 32798

Name: Hart Energies LLC

Address 1: 7122 S Sheridan Rd Ste 2-363

Address 2: _____

City: Tulsa State: OK Zip: 74133 +

Contact Person: William G. Hart

Phone: (918) 633-4161

CONTRACTOR: License # 33843

Name: Terra Drilling

Wellsite Geologist: William G. Hart

Purchaser: West Wichita Gas Gathering/JP Energy Products Supply

Designate Type of Completion:

- New Well
- Re-Entry
- Workover
- Oil
- WSW
- SWD
- SLOW
- 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: Hart Energies LLC

Well Name: Tucker #1

Original Comp. Date: 6-30-09 Original Total Depth: 5030

- Deepening
- Re-perf.
- Conv. to ENHR
- Conv. to SWD
- Plug Back
- Conv. to GSW
- Conv. to Producer
- Commingled
- Permit #: _____
- Dual Completion
- Permit #: CO101106
- SWD
- Permit #: _____
- ENHR
- Permit #: _____
- GSW
- Permit #: _____

5-22-11

Spud Date or Recompletion Date Date Reached TD ~~Completion~~ Date or Recompletion Date

API No. 15 - 007-23438-00-00 601

Spot Description: _____

SE NE Sec. 1 Twp. 34 S. R. 10 East West

2,030 Feet from North / South Line of Section

660 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: Barber

Lease Name: Tucker Well #: 1

Field Name: Salty Creek

Producing Formation: Mississippian

Elevation: Ground: 1325 Kelly Bushing: 1338

Total Vertical Depth: 5030 Plug Back Total Depth: 4955

Amount of Surface Pipe Set and Cemented at: 227 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: 9300 ppm Fluid volume: _____ bbls

Dewatering method used: vacuum clear liquids air dry

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

INSTRUCTIONS: The original 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. If confidentiality is requested and approved, side two of this form will be held confidential for a period of 2 years. Rules 82-3-130, 82-3-106 and 82-3-107 apply. Drill Stem Test, Cement Tickets and Geological Well Report must be attached.

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: Manager Date: 4/7/14

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

ALT I II III Approved by: DLG Date: 4/15/14

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

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 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 List All E. Logs Run: CNL/CDL, DIL, MEL	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Heebner Shale</td> <td>3495</td> <td>-2157</td> </tr> <tr> <td>Mississippian Unc</td> <td>4540</td> <td>-3202</td> </tr> <tr> <td>Chattanooga Shale</td> <td>4841</td> <td>-3503</td> </tr> <tr> <td>Maquoketa Shale</td> <td>4882</td> <td>-3544</td> </tr> <tr> <td>Simpson Sandstone</td> <td>4986</td> <td>-3648</td> </tr> </table>	Name	Top	Datum	Heebner Shale	3495	-2157	Mississippian Unc	4540	-3202	Chattanooga Shale	4841	-3503	Maquoketa Shale	4882	-3544	Simpson Sandstone	4986	-3648
Name	Top	Datum																	
Heebner Shale	3495	-2157																	
Mississippian Unc	4540	-3202																	
Chattanooga Shale	4841	-3503																	
Maquoketa Shale	4882	-3544																	
Simpson Sandstone	4986	-3648																	

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		227	Common	105	Pozmix 70, Gel 3, Chloride 5
Production	7 7/8	5 1/2	15.5	4955	Class A	200	Kol-seal 1000, FI-160, Mudclean 500, Clapso 13

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	n.a.			

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 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)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
	4540-49 2spf; 4549-54 6spf; 4554-55 2spf. Gas gun 4549-53	Acid 1000 gal 1515 HCl	
	4559-60 2spf; 4560-62 6spf; 4562-63 2spf. Gas gun 4560-62	Acid 1500 gal 15% HCl	
	4883-99 2spf; 4890-94 6spf; Gas gun 4891-4893	Acid 5000 gal 15% HCl	

TUBING RECORD: Size: 2.875 Set At: 4899 Packer At: n.a. Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. 5/22/11
 Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____
 Estimated Production Per 24 Hours: Oil trace Bbls. Gas 31 Mcf Water 150 Bbls. Gas-Oil Ratio n.a. Gravity n.a.

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input checked="" 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 checked="" type="checkbox"/> Perf. <input checked="" type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: <u>Mississippian 4540-4562</u> <u>Maquoketa 4883-4899</u>
--	--	--